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Zool. Surv. India
Fauna of Maharashtra, State Fauna Series, 20(Part-3) : 1-4, 2019.

PORIFERA : MARINE SPONGES

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INTRODUCTION

Sponges are exclusively aquatic invertebrate found in almost all aquatic environments, with their greatest diversity in the marine biome.

Marine sponges are sedentary, filter feeding Metazoans with a cellular grade of construction, without organs, mouth or nervous tissue, with a body permeated with pores, canals and chambers and involving unidirectional water current through the body propelled by random beating of flagella occurring on a single layer of flagellated choanocytes cells.

Sponges have survived largely unchanged since the late Cambrian. They were important reef builders during the Phanerozoic. Although most of the older groups became extinct during the late Devonian, sponges have radiated and diversified in recent seas, with representatives found in all aquatic habitats—from quasi-terrestrial ones to the marine abyssal zones. Sponges have an economic importance beyond their fundamental roles in the marine ecological processes. These include commercial 'bath sponges', important since early Greek civilization, and more recently as potential sources of therapeutic drugs.

To date, 8,553 species are considered valid worldwide (Van Soest *et al.*, 2012). At present only 451 species of marine sponge recorded from India (Pattanayak and Manna, 2001). The major taxonomic works on Indian sponges made by Ali (1956), Burton (1930, 1937), Burton and Rao (1932), Carter (1880, 1881), Dendy (1887, 1889, 1905, 1916), Pattanayak (1999, 2006 & 2011), Pattanayak and Manna (2001), Rao (1941) and Thomas (1979, 1980a, 1980b & 1985).

There are only a few reports of marine sponges from Maharashtra coast. Perulekar (1981) reported *Tetilla dactyloides* (Carter) and *Tethya lynerium* Linnaeus from Malvan coast, Boobathy *et al.* (2009) collected *Callyspongia diffusa* from Khardhanda beach, near Juhu, Mumbai coast; Goankar *et al.* (2010) reported *Suberites carnosus, Prostylyssa foetida* and *Haliclona* sp. from Mumbai harbor; Moushmi S. Kumar *et al.* (2012) collected *Spongosorites halichondriodes* (Dendi, 1905) from Khardhanda beach, near Juhu, Mumbai coast.

To update the sponge fauna of Maharashtra coast, surveys were made during 2010 and 2011. This work describes 5 species, 5 genera and 4 families of sponges and all of which are new record from Maharashtra coast. All the specimens were deposited in National Zoological Collection at ZSI, Kolkata. The present communication deals with a brief description of those five species with their distribution in India and aborad.

MATERIAL AND METHODS

Sponge specimens were collected from Malvan coast, Maharashtra, during surveys made in 2010 and 2011.

For the study of the skeletal architecture two microscopical sections were prepared from the specimens preserved in 70% ethanol or dry specimens. One section was of the surface to obtain a tangential view of the ectosomal skeleton and the other section was perpendicular to the surface to examine the choanosomal skeleton. The sections were dried and mounted in Canada balsam on a microscopical slide.

For the study of different categories of spicules fragments of both ectosomal and choanosomal regions were boiled directly on a glass slide in concentrated nitric acid, mounted in Canada balsam and examined under light microscope.

For the study of spongin fibres thick hand cut sections were made perpendicular to the surface, soaked in saturated solution of phenol and xylene, mounted either in water or in glycerine and studied under light microscope.

While studying the spicules, measurements were made with the aid of micrometer and are given in mm. Figures were drawn with the aid of a camera lucida, Photographs of the specimens are given in the plates.

SYSTEMATIC ACCOUNT

Phylum PORIFERA Grant, 1836

Class DEMOSPONGIAE Sollas, 1885

Subclass CERACTINOMORPHA Levi, 1953

Order POECILOSCLERIDA Topsent, 1928

Suborder MYXILLINA Hajdu, van Soest & Hooper, 1994

Family TEDANIIDAE Ridley and Dendy, 1886

Genus ***Tedania*** Gray, 1867

Subgenus ***Tedania*** Gray, 1867

1. ***Tedania (Tedania) anhelans*** (Vio in Olivi, 1792)

1792. *Spongia anhelans* Vio in Olivi, pp. xixxxi.

1859. *Halichondria anhelans* Lieberkuhn, p. 365.

1887. *Tedania nigrescens* Vosmaer, p. 338; Burton & Rao, 1932, p. 353; Burton, 1937, 27, pl. 3, fig. 22.

1963. *Tedonia anhelans* Levi, p. 32, fig. 33; Thomas, 1985, p. 262, pl. III, fig. 1.

2002. *Tedania (Tedania) anhelans* Hooper and Van soest, p. 629, fig. 2A-F.

Material examined : P 3654/1, 3 ex., Gouriwada near Malvan (Lat. N 16°28′08.2″) Distt, Sindhudurg, Maharashtra, 25.08.2011, Coll. J.G. Pattanayak & Party.

Distribution : In India : Andamans, Gulf of Mannar and Palk Bay, Minicoy Island. Karnataka and Maharashtra. *Elsewhere* : Cosmopolitan.

Remarks : *Tedania (Tedania) anhelans* (Lieberkuhn, 1859) is recorded for the first time from Maharashtra coast.

Order HALICHONDRIDA Gray, 1867

Family AXINELLIDAE Carter, 1875

Genus ***Axinella*** Schmidt, 1862

2. ***Axinella donnani*** (Bowerbank, 1873)

1873. *Isodictya donnani* Bowerbank, p. 28, pl. 6.

1905. *Phaketia donnani,* Dendy, p. 190.

1937. *Axinella donnani,* Burton, p. 35, pl. 6, fig. 32; thomas, 1970, p. 207.

Material examined : P 3657/1, 2 ex., Malvan beach (Lat. N 16°03′21.1″, Long F. 73°27′37.9″) Distt, Sindhudurg, Maharashtra, 22.08.2011, Coll. J.G. Pattanayak & Party.

Distribution : In India : Gulf of Mannar, Palk Bay, Kanyakumari, Tamilnadu and Maharashtra. *Elsewhere*: Atlantic Ocean and Red sea.

Remarks : *Axinella donnani* (Bowerbank, 1873) is recorded for the first time from Maharashtra coast.

Genus ***Auletta*** Schmidt, 1870

3. ***Auletta elongata*** Dendy, 1905

1905. *Auletta elongata* Dendy, p. 195, pl. 13, fig. 7.

1937. *Acanthella elongata* Burton, p. 37, pl. 7, fig. 42; Thomas, 1985, p. 302, Pl. V, fig. 19.

Material examined : P 3655/1, 4 ex., Gouriwada near Malvan (Lat. N 16°02′58.4″, Long. E 73°28′ 08.2″) Distt, Sindhudurg, Maharashtra, 25.08.2011, Coll. J.G. Pattanayak & Party.

Distribution : In India : Gulf of Mannar, Karnataka and Maharashtra. *Elsewhere* : Widely distributed in the Indian Ocean.

Remarks : *Auletta elongata* Dendy, 1905 is recorded for the first time from Maharashtra coast.

Order HAPLOSCLERIDA Topsent, 1928

Suborder HAPLOSCLERINA Topsent, 1928

Family CHALINIDAE Gray, 1867

Genus ***Haliclona*** Grant, 1836

Subgenus ***Gellius*** Gray, 1867

4. ***Haliclona (Gellius) cellaria*** (Rao, 1941)

1941. *Callyspongia cellaria* var *fuscal* Rao, p. 437, Pl. XII, fig. 8 and 9.

2012. *Haliclona (Gellius) cellaria,* Van Soest RWM *et al.* (2012).

Material examined : P 3656/1, 3 ex., Gouriwada near Malvan (Lat. N 16°02′58.4″, Long. E 73°28′08.2″) Distt, Sindhudurg, Maharashtra, 25.08.2011, Coll. J.G. Pattanayak & Party.

Distribution : In India : Gulf of Mannar, Kodiakkarai, Karnataka and Maharashtra.

Remarks : *Haliclona (Gellius) cellaria* (Rao, 1941) is recorded for the first time from Maharashtra coast.

Family CALLYSPONGIIDAE de Laubenfels

Genus ***Callyspongia*** Duchassaing & Michelotti, 1864

Subgenus ***Cladochalina*** Schmidt, 1870

5. ***Callyspongia (Cladochalina) fibrosa*** (Ridley & Dendy, 1886)

1886. *Callyspongia fibrosa* Ridley & Dendy, p; Thomas, 1985, p. 248, Pl. II, fig. 14.

1905. *Pachychalina spinilamella,* Dendy, p. 149, pl. 7, fig. 4.

Sclerochalina spinilamella, Burton, 1930, p. 669.

Callyspongia (Cladochalina) fibrosa Hooper and Van Soest, 2002, p. 258 (subgenus).

Material examined : P 3657/1, 1 ex., Dandiwada (Lat. N 16°02′49.2″, Long. E 73°28′07.8″ Distt, Sindhudurg, Maharashtra, 25.08.2011, coll. J.G. Pattanayak & Party.

Distribution : In India : Gulf of Mannar, Palk Bay, Kodiakkarai and Maharashtra. *Elsewhere* : Indo-Australian region.

Remarks : *Callyspongia (Cladochalina) fibrosa* Ridley & Dendy, 1886 is recorded for the first time from Maharashtra coast.

SUMMARY

The present paper deals with the diagnostic features of 5 species of marine sponges available in the coast of Maharashtra State, all of which are new record from Maharashtra coast.

ACKNOWLEDGEMENTS

The authors wish to express their deep felt gratitude and thanks to the Director, Dr. Kailash Chandra and Dr. K. Venkataraman, Ex-Director, Zoological Survey of India, Kolkata, for providing facilities to complete this work. All staffs of General Non-Chordata section and Publication division of Zoological Survey of India also acknowledged for their sincere help.

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NEMATODE PARASITES OF ARTHROPODS

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INTRODUCTION

The work on parasitic nematodes of arthropods was initiated in India by Basir in 1940. Extensive works have been reported by him (1942, 1948 & 1956). This was followed by Rao (1965), Farooqui (1967), Kumari (1967), Rao (1980 & 1982), Rao and Rao (1965), Rao and Reddy (1980), Reddy *et al.* (1982), Parveen and Jairajpuri (1981, 1984 & 1985), Siddiqi (1986), Reddy and Rao (1987), Singh and Kaur (1988), Singh and Singh (1989), Duggal and Aulakh (1989), Devi *et al.* (1991), Rizvi and Jairajpuri (1995 & 2000), Ganguly (2000), Rizvi *et al.* (1998 & 2002), Ali (2005), Gantait and Chatterjee (2005) and many others. They have contributed a lot to the taxonomic studies on arthropod parasitic nematodes. Gantait and Chatterjee (2007) reported 30 species from Andhra Pradesh. Gantait (2015) reported 10 species belonging to 8 genera from Uttar Pradesh state.

Amongst the arthropods, Diplopoda, the insects of the families Blattidae, Gryllidae, Scarabidae, Passalidae and Hydrophilidae are recorded as important hosts which harbor the nematode parasites. In the present study, the parasites were collected from millipedes (*Spirobolus* sp.) and the insects of the families Blattidae and Gryllidae. Among those hosts, particularly the millipedes and the insects of the family Blattidae, the infection was found to be almost total. The location of the parasites was found to be invariably in the hind gut of the hosts.

During Faunistic survey tours to Maharashtra from April 2012 to March 2015 the first author had collected 12 species of parasitic nematodes from different arthropod hosts from different districts of the state. All the species are reported for the first time from Maharashtra.

MATERIAL AND METHODS

After collection, the hosts were made inactive by little amount of chloroform. They were dissected and the alimentary canals were separated. The gut was opened in a Petri dish with normal saline by means of needles and was observed under a binocular microscope with low magnification. The nematodes collected were fixed, dehydrated and then mounted in anhydrous glycerin and studied under Olympus BX 41 microscope with drawing tube attachment.

SYSTEMATIC INDEX

Class NEMATODA

Order I OXYURIDA

Superfamily I THELASTOMATOIDEA

Family I THELASTOMATIDAE Travassos, 1929

Subfamily I BINEMATINAE Travassos, 1929

Genus 1 ***Binema*** Travassos, 1925

1. *Binema chouhani* Singh & Singh, 1989

Subfamily II BLATICOLINAE Chitwood, 1932

Genus 2 ***Johnstonia*** Basir, 1956

2. *Johnstonia indica* Kumari, 1967

Subfamily III CAMERONONAE Kloss, 1959

Genus 3 ***Cameronia*** Basir, 1948

3. *Cameronia biovata* Basir, 1948

Subfamily IV HAMMERSCHMIDTIELLINAE Chitwood, 1932

Genus 4 ***Hammerschmidtiella*** Chitwood, 1932

4. *Hammerschmidtiella basiri* Singh & Kaur, 1988

Subfamily V THELASTOMATINAE Travassos, 1929

Genus 5 ***Cephalobellus*** Cobb, 1920

Dulhoesia Schwenk, 1926

Scarabanema Christie, 1931

5. *Cephalobellus singhi* Singh & Singh, 1989

Genus 6 ***Gryllophila*** Basir, 1942

6. *Gryllophila basiri* Parveen & Jairajpuri, 1981

Genus 7 ***Isobinema*** Rao, 1958

7. *Isobinema dimorphicaudata* Parveen & Jairajpuri, 1982

Genus 8 ***Leidynema*** Schwenk (in Travassos, 1929)

Subgenus 1 ***Leidynema*** Farooqui, 1967

8. *Leidynema (Leidynema) corydium* Rao, 1970

Genus 9 ***Thelastoma*** Leidy, 1849

Schwenkiella Basir, 1956

9. *Thelastoma atheri* Parveen & Jairajpuri, 1983
10. *T. kherai* Duggal & Aulakh, 1989
11. *T. periplaneticola* Parveen & Jairajpuri, 1981

Order II RHABDITIDA

Suborder I RHABDITINA

Superfamily II RHIGONEMATOIDEA

Family II CEPHALOBIDAE Artigos, 1929

Genus 10 ***Cephalobium*** Cobb, 1920

Subgenus 2 ***Denticum*** Gantait & Chatterjee, 2007

12. *Cephalobium (Denticum) microvata* Rao & Rao, 1965

SYSTEMATIC ACCOUNT

Class NEMATODA

Order I OXYURIDA

Superfamily I THELASTOMATOIDEA

Family I THELASTOMATIDAE Travassos, 1929

Subfamily I BINEMATINAE Travassos, 1929

Genus 1 ***Binema*** Travassos, 1925

1. ***Binema chauhani*** Singh & Singh, 1989

1989. *Binema chauhani* Singh & Singh. *Dr. B.S. Chauhan Commemoration Volume*, 149-153.

Material examined: ♀♀ 6; Host: *Periplaneta americana* L.; Hab: Intestine; Loc: Ahmadnagar Forest Rest House Campus, Ahmadnagar; Coll: V.V. Gantait; Reg. No. WN 1469.

Distribution: India: Uttar Pradesh (Meerut), Maharashtra (Ahmadnagar).

Remarks: Present specimens resembles with the type species. It is endemic to India.

Subfamily II BLATICOLINAE Chitwood, 1932

Genus 2 ***Johnstonia*** Basir, 1956

2. ***Johnstonia indica*** Kumari, 1967

1967. *Johnstonia indica* Kumari. *Rivista Di Parassitologia*, **28**(4): 279-282.

Material examined: ♀3; Host: *Spirobolus* sp.; Hab: Intestine; Loc: Amaravati; Coll: V.V. Gantait; Reg. No. WN 1472.

Distribution: India: Andhra Pradesh (Vishakhapatnam), Uttar Pradesh (Moradabad) and Maharashtra (Amaravati).

Remarks: Present specimens fit well with the original measurements and description of the species. Gantait & Chatterjee (2007) reported this species from Andhra Pradesh. It is endemic to India.

Subfamily III CAMERONONAE Kloss, 1959

Genus 3 ***Cameronia*** Basir, 1948

3. ***Cameronia biovata*** Basir, 1948

1948. *Cameronia biovata* Basir. *Canadian Journal of Research,* **26**: 201-203.

Material examined: ♀9; Host: *Gryllotalpa africana;* Hab: Rectum; Loc: Raigarh Forest Rest House, Raigarh; Coll: V.V. Gantait; Reg. No. WN 1471.

Distribution: India: Uttar Pradesh (Aligarh), Andhra Pradesh (Vishakhapatnam), Maharashtra (Raigarh).

Remarks: Gantait and Chatterjee (2007) reported this species from Andhra Pradesh. It is endemic to India.

Subfamily IV HAMMERSCHMIDTIELLINAE Chitwood, 1932

Genus 4 ***Hammerschmidtiella*** Chitwood, 1932

4. ***Hammerschmidtiella basiri*** Singh & Kaur, 1988

1988. *Hammerschmidtiella basiri* Singh & Kaur. *Indian J. Parasitol.*, **12**: 187-189.

Materials examined: ♀ 4; Host: *Periplaneta americana* L.; Hab: Intestine; Loc: Satara PWD Bunglow, Satara; Coll: V.V. Gantait; Reg. No. WN 1470.

Distribution: India: Uttar Pradesh (Meerut, Agra), Maharashtra (Satara).

Remarks: Present specimens fit well with the original description of the species. It is endemic to India.

Subfamily V THELASTOMATINAE Travassos, 1929

Genus 5 ***Cephalobellus*** Cobb, 1920

5. ***Cephalobellus singhi*** Singhi & Singhi, 1989

1989. *Cephalobellus singhi* Singh & Singh. *Dr. B. S. Chauhan Commemoration Volume,* 149-153.

Material examined: ♀ 11; Host: *Periplaneta americana* L.; Hab: Intestine; Loc: ZSI Regional Centre Campus, Pune; Coll: V.V. Gantait; Reg. No. WN 1473.

Distribution: India: Uttar Pradesh (Meerut), Maharashtra (Pune). *Elsewhere:* United States of America and England.

Remarks: Present specimens resemble with the type species.

Genus 6 ***Gryllophila*** Basir, 1942

Synonyms ***Thelastomum*** Leidy, 1850

Neyraiella Serrano Sánchez, 1947

6. ***Gryllophila basiri*** Parveen & Jairajpuri, 1981

1981. *Gryllophila basiri* Parveen & Jairajpuri. *Rivista di Parassitologia.* **XLII** (2): 261-266.

Material examined : ♀ 8, ♂♂ 1; Host: *Gryllotalpa africana*; Hab: Rectum; Loc: Jalna, Maharashtra; Coll: V.V. Gantait; Reg. No. WN 1476.

Distribution: India: Uttar Pradesh (Aligarh), Maharashtra (Jalna).

Remarks: Collected specimens resemble with the type species. It is endemic to India.

Genus 7 ***Isobinema*** Rao, 1958

7. *Isobinema dimorphicaudata* Parveen & Jairajpuri, 1982

1982. *Isobinema dimorphicaudata* Parveen & Jairajpuri. *Rivista di Parassitologia.* **XLIII** (1):113-115.

Material examined: ♀4, ♂1; Host: *Gryllotalpa africana*; Hab: Intestine; Loc: Sangli, Maharashtra; Coll: V.V. Gantait; Reg. No. WN 1474.

Male: Body 0.35 mm long and 0.043 mm wide. Head end 6.9 µm wide. Oesophagus 0.103 mm long; corpus 0.07 mm x 0.010 mm; isthmus 0.007 mm x 0.006 mm and posterior bulb 0.028 mm x 0.026 mm. Nerve ring and excretory pore at 0.036 mm and 0.115 mm from anterior end. Spicule 23 mm long. Tail 0.092 mm long.

Distribution: India: Uttar Pradesh (Aligarh), Maharashtra (Sangli).

Remarks: Present species resembles with the original description of the species, described from Aligarh, Uttar Pradesh. It is endemic to India.

Genus 8 ***Leidynema*** Schwenk, 1929

Subgenus 1 ***Leidynema*** Farooqui, 1967

8. ***Leidynema (Leidynema) corydium*** Rao, 1970

1970. *Leidynema (Leidynema) corydium* Rao. Ph. D. Thesis, Andhra University, Andhra Pradesh: 125 pp.

Material examined: ♀3; Host: *Blatta orientalis*; Habitat: Intestine; Loc: Ahmadnagar Forest Rest House Campus, Ahmadnagar; Coll: V. V. Gantait; Reg. No. WN 1475.

Distribution: India: Andhra Pradesh (Vishakhapatnam), Uttar Pradesh (Kanpur) and Maharashtra (Ahmadnagar).

Remarks: The present specimens fit well with the original description of the species. Gantait (2015) reported the species from Uttar Pradesh. It is endemic to India.

Genus 9 ***Thelastoma*** Leidy, 1849

Synonym: ***Schwenkiella*** Basir, 1956

9. ***Thelastoma atheri*** Parveen and Jairajpuri, 1983

1983. *Thelastoma atheri* Parveen and Jairajpuri. *Indian Journal of Nematology*, **13**(2): 209-212.

Material examined: ♀5, ♂2; Host: *Periplaneta americana*; Hab: Intestine; Loc: Kolapur, Maharashtra; Coll: V.V. Gantait; Reg. No. WN 1477.

Distribution: India: Uttar Pradesh (Siddharth Nagar), Maharashtra (Kolapur).

Remarks: Present specimens fit well with the original description of the type species, described from Uttar Pradesh. It is endemic to India.

10. ***Thelastoma kherai*** Duggal & Aulakh, 1989

1989. *Thelastoma kherai* Duggal & Aulakh. *Research Bulletin (Science) of the Panjab University*, **40**, Parts I-II: 95-98.

Material examined: ♀9; Host: *Periplaneta americana*; Habitat: Intestine; Loc: Nasik; Coll: V. V. Gantait; Reg. No. WN 1479.

Distribution: India: Delhi, Andhra Pradesh (Nandyal, Karnool), Uttar Pradesh (Agra) and Maharashtra (Nasik).

Remarks: Measurements and description based on the present collection. The present specimens fit well with the original description of the species. Gantait & Chatterjee (2007) reported this species from Andhra Pradesh. Gantait (2015) also reported it from Uttar Pradesh. It is endemic to India.

11. ***Thelastoma periplaneticola*** Parveen & Jairajpuri, 1981

1981. *Thelastoma periplaneticola* Parveen & Jairajpuri. *Rivista di Parassitologia.* **XLII**(2): 261-266.

Material examined: ♀8, ♂3; Host: *Periplaneta americana*; Habitat: Rectum; Loc: Solapur market, Solapur, Maharashtra; Coll: V.V. Gantait; Reg. No. WN 1478.

Distribution: India: Uttar Pradesh (Aligarh) and Maharashtra (Solapur). *Elsewhere:* North America, South America, Europe, China and USSR.

Remarks: Collected specimens resembles with the original description of the species, described from Uttar Pradesh.

Order II RHABDITIDA

Suborder I RHABDITINA

Superfamily II RHIGONEMATOIDEA

Family II CEPHALOBIDAE Artigos, 1929

Genus 10 ***Cephalobium*** Cobb, 1920

Subgenus 2 ***Denticum*** Gantait and Chatterjee, 2007

12. ***Cephalobium* (*Denticum*) *microvata*** Rao & Rao, 1965

1980. *Cephalobium* (*Denticum*) *microvata* Rao & Rao. *Annals and Magazine of Natural History*, **VIII**: 360-364.

Material examined: ♀ 6, ♂ 2; Host: *Gryllodes* sp.; Habitat: Intestine; Loc: Raigarh, Maharashtra; Coll: V. V. Gantait; Reg. No. WN 1480.

Distribution: India: Andhra Pradesh (Hyderabad), Uttar Pradesh (Banda) and Maharashtra (Raigarh).

Remarks: The present specimens fit well with the original description of the species. Gantait (2015) also reported it from Uttar Pradesh. It is endemic to India.

SUMMARY

The present work deals with an account of 12 species of arthropod parasitic nematodes of Maharashtra state. The species belong to 2 subgenera, 10 genera, 5 subfamilies, 2 families, 2 superfamilies, one suborder and 2 orders. The systematic list of the species prepared following Poinar (1972). All the species are being reported for the first time from Maharashtra.

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SOIL AND PLANT PARASITIC NEMATODES (ORDERS: DORYLAIMIDA AND TYLENCHIDA)

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INTRODUCTION

Among the soil-borne pests, soil free-living and plant-parasitic nematodes are generally overlooked due to their hidden nature and microscopic size. They multiply in millions and spread from place to place by different agricultural practices, causing great damage to the agricultural crops. They inhibit root growth, growth of plants affecting crop production and are thus responsible for massive yield losses. Due to this lack of awareness in common people and farmers, the importance of nematodes in agriculture is overlooked (Jairajpuri and Ahmad, 1992).

Extensive studies on occurrence, distribution and taxonomy of soil and plant parasitic nematodes belonging to Dorylaimida and Tylenchida associated with different economically important agricultural crops were done and several new species from Maharashtra were described by different nematologists (Suryanwanshi, 1971a & b, 1972; Ali and Joshi, 1971; Ali *et al.*, 1973; Ali, *et al.*, 1973; Darekar and khan, 1978a, b & c; Khan and Darekar, 1978a & b; Darekar and khan, 1980; Darekar and khan, 1981b & c; Patil, 1998; Distribution of economically important plant parasitic nematodes has been observed and reported by Khan *et al.*, 2010 and so on.

Nematodes associated with different fruit plants in Maharashtra have been studied by several workers (Siddiqi, 1964; Darekar and khan, 1980; 1981a; Darekar *et al.*, 1990b; Singh, 1999). The nematodes, associated with sugarcane ecosystem were also observed (Darekar and Pokharkar, 1981; Sundararaj and Mehta, 1994). Extensive work has been done on the nematodes associated with groundnut and cotton which are the important cash crops of Maharashtra (Darekar *et al.*, 1990a; Darekar *et al.*, 1992). Nematode constraints to pigeon pea and chickpea in Vidarbha region of Maharasgtra was reported by Varaprasad *et al.*, 1997. Some important observations related to Tylenchida were done by Dhawan *et al.*, 2004.

The present study includes two systematic lists of soil and plant-parasitic nematodes belonging to the orders Dorylaimida Pearse, 1942 and Tylenchida Thorne, 1949 from Maharashtra. 32 species under 21 genera and 11 families of Dorylaimida and 49 species under 22 genera and 11 families of Tylenchida have been compiled and reported in this communication. Two dorylaimid species are newly recorded from India. Six dorylaimid and 2 tylenchid species are recorded first time from Maharashtra. All the specimens examined, are deposited to the National Zoological Collection with registration number. The classification proposed by Jairajpuri and Ahmad (1992) and by Siddiqi (2000) have been followed to arrange the available genera and species of Dorylaimida and Tylenchida respectively from Maharashtra and to indicate their present taxonomic status.

MATERIAL AND METHODS

Soil samples were collected from different agricultural fields of different districts of Maharashtra state. The collected soil samples were processed by 'Cobb's sieving and decantation technique' (Cobb, 1918) followed by 'modified Bearmann's funnel technique' (Christie and Perry, 1951) for extraction of nematodes. The extracted nematodes were fixed following 'Seinhorst's method' (Seinhorst, 1966). Then permanent slides were prepared. The specimens were identified following the identification key of Jairajpuri and Ahmad (1992) in case of the order Dorylaimida and Siddiqi (2000) for the order Tylenchida. Measurements of the specimens were

taken with the help of an ocular micrometer using Olympus research microscope, model No. BX 41. Dimensions were presented in accordance with 'De Man's formula' (De Man, 1884). All the Specimens were deposited to the National Zoological Collections of Zoological Survey of India, Kolkata.

SYSTEMATIC INDEX TO THE SPECIES OF ORDER DORYLAIMIDA

Phylum NEMATODA Rudolphi, 1808
(Lankester, 1977)

Class SECERNENTIA Von Linstow, 1905

Syn. PHASMIDA Chitwood & Chitwood, 1973

Order DORYLAIMIDA Pearse, 1942

Suborder DORYLAIMINA, Pearse, 1936

Superfamily DORYLAIMOIDEA De Man, 1876

Family DORYLAIMIDAE De Man, 1876

Subfamily DORYLAIMINAE De Man, 1876

Genus ***Dorylaimus*** Dujardin, 1845

1. *Dorylaimus innovatus* Jana and Baqri, 1982

Subfamily LAIMYDORINAE Andrássy, 1969

Genus ***Prodorylaimus*** Andrássy, 1959

2. *Prodorylaimus sukuli* Baksi and Baqri, 1985

Genus ***Laimydorus*** Siddiqi, 1969

3. *Laimydorus siddiqii* Baqri and Jana, 1982

Subfamily THORNENEMATINAE Siddiqi, 1969

Genus ***Thornenema*** Andrássy, 1959

4. *Thornenema garhwalicum* Srivastava *et al.*, 2003

Family APORCELAIMIDAE Heyns, 1965

Subfamily APORCELAIMINAE Heyns, 1965

Genus ***Aporcelaimellus*** Heyns, 1965

5. *Aporcelaimellus conicaudatus* (Altherr, 1953) Monteiro, 1970
6. *A. heynsi* Baqri and Jairajpuri, 1968
7. *A. macropunctatus* Heyns, 1995

Subfamily SECTONEMATINAE Siddiqi, 1969

Genus ***Sectonema*** Thorne, 1930

8. *Sectonema procta* Jairajpuri and Baqri, 1966

Family QUDSIANEMATIDAE Jairajpuri, 1965

Subfamily QUDSIANEMATINAE Jairajpuri, 1965

Genus ***Labronema*** Thorne, 1939

9. *Labronema glandosum* Rahman *et al.*, 1986

Genus ***Thonus*** Thorne, 1974

10. *Thonus garhwaliensis* Ahmad *et al.*, 1986
11. *T. confusus* Jana & Baqri, 1982

Genus ***Indokochinema*** Darekar & Khan, 1979

12. *Indikochinema conicauda* Darekar & Khan, 1979

Subfamily DISCOLAIMINAE Siddiqi, 1969

Genus ***Discolaimium*** Thorne, 1939

13. *Discolaimium asji* Mehdi, Ali & Suryawanshi, 1973
14. *D. bulbiferum* (Cobb, 1906) Timm & Bhuiyan, 1963
15. *D. mazhari* Baqri & Jairajpuri, 1968
16. *D. oostenbrinki* Mehdi, Ali & Suryawanshi, 1973
17. *D. parweizi* Siddiqi, 2003
18. *D. upum* Baqri & Jairajpuri, 1968

Genus ***Discolaimoides*** Heyns, 1963

19. *Discolaimoides teres* Khan and Laha, 1982

Family NORDIIDAE Jairajpuri and Siddiqi, 1964

Subfamily ACTINOLAIMOIDINAE Jairajpuri and Ahmad, 1992

Genus ***Oriverutus*** Siddiqi, 1971

Syn. ***Mammillonema*** Darekar & Khan, 1982

20. *Oriverutus lobatus* Siddiqi, 1971
21. *O. mammilatus* Darekar & Khan, 1982

Superfamily ACTINOLAIMOIDEA Thorne, 1939

Family ACTINOLAIMIDAE Thorne, 1939

Subfamily PARACTINOLAIMINAE Thorne, 1967

Genus ***Paractinolaimus*** Meyl, 1957

22. *Paractinolaimus aruprus* Khan *et al.*, 1994

Superfamily LONGIDOROIDEA Thorne, 1935

Family LONGIDORIDAE Thorne, 1935

Subfamily LONGIDORINAE Thorne, 1935

Genus ***Paralongidorus*** Siddiqi, Hooper and Khan, 1963

23. *Paralongidorus microlaimus* Siddiqi, 1964

Superfamily BELONDIROIDEA Thorne, 1939

Family BELONDIRIDAE Thorne, 1939

Subfamily BELONDIRINAE Thorne, 1939

Genus ***Belondira*** **Thorne, 1939**

24. *Belondira golden* Suryawanshi, 1972

25. *B. paraclava* Jairajpuri, 1964
26. *B. rafiqi* Suryawanshi, 1972
27. *B. sacchari* Suryawanshi, 1972
28. *B. syedi* Suryawanshi, 1972
29. *Belondira thornei* Suryawanshi, 1972

Superfamily TYLENCHOLAIMOIDEA Filipjev, 1934

Family MYDONOMIDAE Thorne, 1964

Subfamily MYDONOMINAE Thorne, 1964

Genus ***Dorylaimoides*** Thorne and Swanger, 1936

Subgenus ***Longidorylaimoides*** Jairajpuri and Ahmad, 1992

30. *Dorylaimoides (Longidorylaimoides) parvus* Thorne and Swanger, 1936

Family AULOLAIMOIDIDAE Jairajpuri, 1964

Genus ***Oostenbrinkia*** Ali, Suryawanshi & Ahmad, 1973

31. *Oostenbrinkia oostenbrinkia* Ali, Suryawanshi & Ahmad, 1973

Suborder NYGOLYMINA Ahmad and Jairajpuri, 1979

Superfamily NYGOLAIMOIDEA Thorne, 1935

Family NYGOLAIMIDAE Thorne, 1935

Subfamily NYGOLAIMINAE Thorne, 1935

Genus ***Laevides*** Heyns, 1968

32. *Laevides laevis* (Thorne, 1939) Thorne, 1974

SYSTEMATIC INDEX TO THE SPECIES OF TYLENCHIDA

Order TYLENCHIDA Thorne, 1949

Suborder TYLENCHINA Chitwood in Chitwood and Chitwood, 1950

Infraorder TYLENCHATA Sidiqi, 2000

Superfamily TYLENCHOIDEA Örley, 1880

Family TYLENCHIDAE Örley, 1880

Subfamily TYLENCHINAE Örley, 1880

Genus ***Polenchus*** Andrássy, 1980

1. *Polenchus shamimi* Baqri, 1991

Genus ***Sakia*** Khan, 1964

2. *Sakia alii* Suryawanshi, 1971
3. *S. indica* (Husain and Khan, 1965) Khan, Mathur, Nand & Prasad, 1968

Syn. *Basiliophora indica* Husain and Khan, 1965

4. *S. propora* (Husain and Khan, 1967) Suryawanshi, 1971

Syn. *Basiliophora propora* Husain and Khan, 1967

Subfamily BOLEODORINAE Khan, 1964

Genus ***Basiria*** Siddiqi, 1959

5. *Basiria gramminophila* Siddiqi, 1959
6. *B. nasikensis* Darekar and Khan, 1978

Family ECPHYADOPHORIDAE Skarbilovich, 1959

Subfamily ECPHYADOPHORINAE Skarbilovich, 1959

Genus ***Ecphyadophora*** de Man, 1921

7. *Ecphyadophora quadralata* Corbett, 1964

Infraorder ANGUINATA Siddiqi, 2000

Superfamily ANGUINOIDEA Nicoll, 1935

Family ANGUINIDAE Nicoll, 1935

Subfamily ANGUININAE Nicoll, 1935

Genus ***Ditylenchus*** Filipjev, 1936

8. *Ditylenchus angustus* (Butler, 1913) Filipjev, 1936

Syn. *Tylenchus angustus* (Butler, 1913)

Genus ***Nothotylenchus*** Thorne, 1941

9. *Nothotylenchus hexaglyphus* Khan and Siddiqi, 1968

Suborder HOPLOLAIMINA Chizhov and Berezina, 1988

Superfamily HOPLOLAIMOIDEA Filipjev, 1934 (Paramonov, 1967)

Family HOPLOLAIMIDAE Filipjev, 1934 (Wieser, 1953)

Subfamily HOPLOLAIMINAE Filipjev, 1934

Genus ***Hoplolaimus*** von Daday, 1905

Subgenus ***Basirolaimus*** Shamsi, 1979

10. *Hoplolaimus (Basirolaimus) indicus* Sher, 1963
11. *H. (B.) senhorsti* (Luc, 1958) Shamsi, 1979

Syn. (= *H. (B.) sheri* Syryawanshi, 1971)

Syn. *Hoplolaimus senhorsti* Luc, 1958

Subgenus ***Ethiolaimus*** Siddiqi, 2000

12. *Hoplolaimus (Ethiolaimus) pararobustus* (Sch. Stekh. and Teun., 1938) Sher, 1963

Syn. *Tylenchorhynchus pararobustus* Sch. Stekh. and Teun., 1938

Genus ***Aorolaimus*** Sher, 1963

13. *Aorolaimus intermedius* Surwanshi, 1971

Subfamily ROTYLENCHOIDINAE Whitehead, 1958

Genus ***Helicotylenchus*** Steiner, 1945

14. *Helicotylenchus crenacauda* Sher, 1966
15. *H. dihystera* (Cobb, 1893) Sher, 1961
16. *H. eletropicus* Darekar and Khan, 1980
17. *H. girus* Saha, Chawla and Khan, 1974
18. *H. hydrophilus* Sher, 1966.
    Syn. (= *H. incisus* Darekar & Khan, 1978)
19. *H. indicus* Siddiqi, 1963
20. *H. morasii* Darekar and Khan, 1980
21. *H. multicinctus* (Cobb, 1893) Goden, 1956
    Syn. *Tylenchus multicinctus* Goden, 1956
22. *H. obtusicaudatus* Darekar & Khan, 1978
23. *H. paradihysteroides* Darekar & Khan, 1978

Family ROTYLENCHULIDAE Husain and Khan, 1967 (Husain, 1976)

Subfamily ROTYLENCHULINAE Husain and Khan, 1967

Genus ***Rotylenchulus*** Linford and Oliveira, 1940

24. *Rotylenchulus reniformis* Linford and Oliveira, 194

Family PRATYLENCHIDAE Thorne, 1949 (Siddiqi, 1963)

Subfamily PRATYLENCHINAE Thorne, 1949

Genus ***Pratylenchus*** Filipjev, 1936

25. *Pratylenchus coffeae* (Zimmermann, 1898) Filipjev and Schuurmans Stekhoven, 1941
    Syn. *Tylenchus coffeae* Zimmermann, 1898
26. *P. thornei* Sher and Allen, 1953
27. *P. zeae* Graham, 1951

Subfamily HIRSCHMANNIELLINAE Fotedar and Handoo, 1978

Genus ***Hirschmanniella*** Luc and Goodey, 1964

28. *Hirschmanniella gracilis* (De man, 1880) Luc and Goodey, 1964
    Syn. *Tylenchus gracilis* De man, 1880
29. *H. oryzae* (van Breda de Hann, 1902) Luc and Goodey, 1964
    Syn. *Tylenchus oryzae* van Breda de Hann, 1902

Subfamily RADOPHOLINAE Allen and Sher, 1967

Genus ***Radopholus*** Throne, 1949

30. *Radopholus similis* (Cobb, 1893) Throne, 1949
    Syn. *Tylenchus similis* Cobb, 1893

Family MELOIDOGYNIDAE Skarbilovich, 1959 (Wouts, 1973)

Subfamily MELOIDOGYNINAE Skarbilovich, 1959

Genus ***Meloidogyne*** Goeldi, 1892

31. *Meloidogyne arenaria* (Neal, 1889) Chitwwod, 1914
    Syn. *Anguinnula arenaria* Neal, 1889
32. *M. incognita* (Kofoid and White, 1919) Chitwood, 1949

Family HETERODERIDAE Filipjev and Sch. Stekhoven, 1941

Subfamily HETERODERINAE Filipjev and Sch. Stekhoven, 1941

Genus ***Heterodera*** Schmidt, 1871

33. *Heterodera cajani* Koshy, 1967

Superfamily DOLICHODOROIDEA Chitwood and Chitwood, 1950 (Siddiqi, 1986)

Family TELOTYLENCHIDAE Siddiqi, 1960

Subfamily TELOTYLENCHINAE Siddiqi, 1960

Genus ***Telotylenchus*** Siddiqi, 1960

34. *Telotylenchus teres* Khan and Darekar, 1978
35. *T. impar* Khan and Darekar, 1978
36. *T. housei* Raski, Prasad and Swarup, 1964

Genus ***Truphurus*** Loof, 1956

37. *Truphurus marathwadensis* Suryawanshi, 1971

Genus ***Tylenchorhynchus*** Cobb, 1913

38. *Tylenchorhynchus brassicae* Siddiqi, 1961
39. *T. coffeae* Siddiqi and Basir, 1959
40. *T. elegans* Siddiqi, 1961
41. *T. mashhoodi* Siddiqi and Basir, 1959
42. *T. punensis* Khan and Darekar, 1978

Subfamily MERLINIINAE Siddiqi, 1971

Genus ***Merlinius*** Siddiqi, 1970

43. *Merlinius macrophasmidus* Khan and Darekar, 1978

Suborder CRICONEMATINA Siddiqi, 1980

Superfamily CRICONEMATOIDEA Taylor, 1936 (Geraert, 1966)

Family CRICONEMATOIDE Taylor, 1936

Subfamily MACROPOSTHONINAE Skarbilovich, 1959

Genus ***Criconemoides*** Taylor, 1936

44. *Criconemoides mongomorgum* Darekar and Khan, 1978

Subfamily HEMICRICONEMOIDINAE Andrassy, 1979

Genus ***Hemicriconeodes*** Chitwwod and Birchfield, 1957

45. *Hemicriconeodes mangiferae* Siddiqi, 1961

46. *H. mehdii* Surwanshi, 1971

Superfamily HEMICYCLIOPHOROIDEA Skarbilovich, 1959 (Siddiqi, 19800)

Family HEMICYCLIOPHORIDAE Skarbilovich, 1959 (Geraert, 1966)

Subfamily HEMICYCLIOPHORINAE Skarbilovich, 1959

Genus ***Hemicycliophora*** de Man, 1921

47. *Hemicycliophora ekdavici* Darekar and Khan, 1981

48. *H. punensis* Darekar and Khan, 1981

Superfamily TYLENCHULOIDEA Skarbilovich, 1947 (Raski and Siddiqi, 1975)

Family TYLENCHULIDAE Skarbilovich, 1947 (Kirjanova, 1955)

Subfamily TYLENCHULINAE Skarbilovich, 1947

Genus ***Tylenchulus*** Cobb, 1913

49. *Tylenchulus semipenetrans* Cobb, 1913

SYSTEMATIC ACCOUNTS

Genus ***Dorylaimus*** Dujardin, 1845

1. ***Dorylaimus innovatus*** Jana and Baqri, 1982

1982. *Dorylaimus innovatus* Jana & Baqri. *Indian J. Nematol.,* **12**(2): 263–271.

Material examined: Female 17, Male 6; Coll. V. V. Gantait; Reg No.: WN 1392.

Location: Chapra, Ahmadnagar and Murarai, Jalna.

Habitat: Collected from soil around the roots of rose and onion.

Distribution: Maharashtra (Ahmadnagar, Jalna dist.), West Bengal (Burdwan dist.)

Remark: Present specimens closely resembles with the type species, described from soil around the roots of paddy from Burdwan district of West Bengal.

Genus ***Prodorylaimus*** Andrássy, 1959

2. ***Prodorylaimus sukuli*** Baksi and Baqri, 1985

1985. *Prodorylaimus sukuli* Baksi and Baqri. *Bull. Zool. Surv. India,* **7**(2-3): 199-202.

Material examined: Females 6; Coll. D. Sen and V. V. Gantait; Reg. No. WN 1393.

Location: Khetravari, Raigarh and Pilani, Solapur.

Habitat: Collected from soil around the roots of banana, chili and maize Raigarh and Solapur districts of Maharashtra.

Distribution: India: Maharashtra (Raigarh and Solapur dist.), West Bengal (Burdwan and Paschim Medinipur dist.)

Remarks: The present specimens fit very well with the type species, described from soil around roots of an insectivorous plant *Drosera burmani* at the gullies of the bad land, Santiniketan of Birbhum district, West Bengal, India. This is the first report from Maharshtra.

Genus ***Laimydorus*** Siddiqi, 1969

3. ***Laimydorus siddiqii*** Baqri and Jana, 1982

1982. *Laimydorus siddiqii* Baqri and Jana. *Nematologica*, **28**: 192-205.

Material examined: Females 7; Coll. D. Sen and V.V. Gantait., Reg. No. WN 1396.

Location: Chandrapura, Jalna and Taherati, Solapur.

Habitat: Collected from soil around the roots of sugarcane and banana Jalna and Solapur district of Maharashtra.

Distribution: India: Maharashtra (Jalna and Solapur dist.), West Bengal (Coochbihar and Paschim Medinipur dist.)

Remarks: The present specimens agree well with the described species. Cardia conoid in the present forms but tongue-shaped in the type specimens. The species was reported from Coochbihar district of West Bengal, India; collected from rhizospheric soil of paddy. Gantait, Bhattacharya and Chatterjee (2010) reported the species also from West Bengal, associated with banana. This is the first report from Maharshtra.

Subfamily THORNENEMATINAE Siddiqi, 1969

Genus ***Thornenema*** Andrássy, 1959

4. ***Thornenema garhwalicum*** Srivastava *et al.*, 2003

2003. *Thornenema garhwalicum* Srivastava *et al. Indian Journal of Nematology*, **30**(1): 46-52.

Material examined: Females 4; Coll. V.V. Gantait; Reg. No. WN 1481.

Location: Bhasurguri, Thane.

Habitat: Collected from soil around the roots of tomato and cotton Thane district, Maharashtra.

*Distribution***:** India: Uttar Pradesh, West Bengal and Maharashtra (Thane dist.).

Remarks: The present specimens match perfectly well with the original dimensions and descriptions of the described species, recorded from soil around the roots of *Litchi chinensis*, from Dehradun district of Uttar Pradesh. Gantait, Bhattacharya and Chatterjee (2010) reported it from West Bengal, associated with banana. This is the first report from Maharshtra

Genus ***Aporcelaimellus*** Heyns, 1965

5. ***Aporcelaimellus conicaudatus*** (Altherr, 1953) Monteiro, 1970

1953. *Aporcelaimellus caudatus* Altherr, 1953. *Bulletin de la Sociéte Vaudoise des Sciences naturelles,* **65:** 429-460.

1970. *Aporcelaimellus conicaudatus* Monteiro. *Thesis, Escola superior de Agriculture "Luizde Querioz"*, Sao Paulo. 137 pp.

Material examined: Females 6; Coll. V.V. Gantait; Reg. No. WN 1399.

Location: Jiaguri, Thane.

Habitat: Collected from soil around the roots of cotton, maize and paddy.

Distribution: India: West Bengal, Maharashtra. *Elsewhere*: Switzerland, Mauritius, Brazil, Germany, Comoros (Anjouan).

Remarks: The species was originally described by Altherr (1953) from Switzerland, based on a single female and one juvenile specimen, as *Aporcelaimus conicaudatus*. Altherr (1974) further reported a female specimen from Germany. Heyns (1995) described two females from Anjouan in the Comoros; seem to be in complete agreement with the Mauritian specimens.

The present specimens fit well with the dimensions and descriptions, made by Heyns (1995), only differ in the values of V and odontophore length (*vs.* V= 54-55; odontophore = 31-34 µm). Gantait, Bhattacharya and Chatterjee (2010) reported it from West Bengal, associated with banana. This is the first report from Maharshtra.

6. ***Aporcelaimellus heynsi*** Baqri and Jairajpuri, 1968

1968. *Aporcelaimellus heynsi* Baqri and Jairajpuri. *Journal of Helminthology*, **42** (3/4): 243-256.

Material examined: Females 11; Coll. D. Sen and V.V. Gantait; Reg. No. WN 1397.

Location: Khetisal, Akola.

Habitat: Collected from soil around the roots of onion and wheat from Akola district, Maharashtra.

Distribution: India: Uttar Pradesh, Gujarat, Rajasthan and West Bengal and Maharashtra (Akola dist.).

Remarks: The present specimens agree well with the original illustration and description made by Baqri and Jairajpuri (1968). They reported the species from soil around roots of cotton from Uttar Pradesh, India. Jana and Baqri (1981) recorded the species from Burdwan district of West Bengal, India. This is the first report from Maharshtra.

7. ***Aporcelaimellus macropunctatus*** Heyns, 1995

1995. *Aporcelaimellus macropunctatus* Heyns. *Nematologica*, **41**: 422-434.

Material examined: Females 6; Coll. V.V. Gantait; Reg. No. WN 1398.

Location: Mahergunj, Ahmednagar.

Habitat: Collected from soil around the roots of sugarcane from Ahmednagar district, Maharashtra.

Distribution: India: Maharashtra (Ahmednagar) *Elsewhere*: Madagascar (Nosi-Komba Island).

Remarks: The present specimens fit well with the type species described by Heyns (1995), collected from soil under grasses in a rainforest of Nosi-Komba Island of Madagascar. This is the first report from India.

Genus ***Sectonema*** Thorne, 1930

8. ***Sectonema procta*** Jairajpuri and Baqri, 1966

1966. *Sectonema procta* Jairajpuri and Baqri. *Nematologica*, **12**: 396-402.

Material examined: Females 3; Coll. V.V. Gantait. Reg. No. WN 1404.

Location: Kherai, Raigarh.

Habitat: Collected from soil around the roots of brinjal.

Distribution: India: Uttar Pradesh, West Bengal and Maharashtra (Raigarh).

Remarks: The present specimens agree well with the types, described by Jairajpuri and Baqri, 1966. Only the eggs are slightly larger than the types. They described the species from soil around roots of citrus and cotton plants from Moradabad district of Uttar Pradesh, India. Sen *et al.* (2012a) reported this species from West Bengal, India. This is the first report from Maharshtra.

Genus ***Labronema*** Thorne, 1939

9. ***Labronema glandosum*** Rahman *et al.*, 1986

1986. *Labronema glandosum* Rahman, Jairajpuri, Ahmad and Ahmad. *Nematologica*, **32**: 367-373.

Material examined: Females 4; Coll. V. V. Gantait & D. Sen. Reg. No. WN 1401.

Location: Dhaligoda, Nagpur.

Habitat: Collected from soil around the roots of Mandarin orange (*Citrus reticulata*) from Nagpur district, Maharashtra.

Distribution: India: Arunachal Pradesh, West Bengal and Maharashtra (Nagpur).

Remarks: The present specimens agree well with the types, described by Rahman *et al.* (1986). They reported the species from soil around roots of fig from Kimin, Arunachal Pradesh, India. Gantait, Bhattacharya and Chatterjee (2010) reported the species from West Bengal, associated with banana. This is the first report from Maharshtra.

Genus ***Thonus*** Thorne, 1974

10. ***Thonus garhwaliensis*** Ahmad *et al.*, 1986

1986. *Thonus garhwaliensis* Ahmad *et al. Indian Journal of Nematology,* **15**(2): 152-154.

Material examined: Females 3; Coll. V.V. Gantait & D. Sen, Reg. No. WN 1405.

Location: Sangliwadi, Sangli.

Habitat: Collected from soil around the roots of sugarcane.

Distribution: India: Uttar Pradesh and West Bengal and Maharashtra (Sangli dist.).

Remarks: The present specimens fit well with the dimensions and descriptions of the types, except c and V values (vs. c = 60; V = 56-59). The types were reported from soil around roots of pine tree, from Garhwal district of Uttar Pradesh, India.This is the first report from Maharshtra.

11. ***Thonus confusus*** Jana & Baqri, 1982

1982. *Thonus confusus* Jana & Baqri. *Indian J. Nematol.,* **12**(2): 263–271.

Material examined: Females 6; Coll. D. Sen and V. V. Gantait; Reg No.: WN 1482.

Location: Badnera, Amaravati.

Habitat: Collected from soil around roots of cotton and ladies finger.

Distribution: India: West Bengal (Coochbehar) and Maharashtra (Amaravati dist.).

Remark: The present specimens fit well with the types, described from West Bengal, associated with paddy. This is the first report from Maharshtra.

Genus ***Indokochinema*** Darekar & Khan, 1979

12. ***Indikochinema conicauda*** Darekar & Khan, 1979

1979. *Indikochinema conicauda* Darekar & Khan. *Indian J. Nematol.,* **8**(2): 140-143.

Material examined: Nil.

Habitat: Darekar & Khan (1979c) reported this species from Soil around roots of banana from Uruli-Kanchan, Pune district, Maharashtra.

Distribution: India: Maharashtra (Pune dist.).

Remark: Darekar & Khan (1979) described *Indikochinema conicauda* as new genus and new species from Maharashtra.

Genus ***Discolaimium*** Thorne, 1939

13. ***Discolaimium asji*** Ali, Suryawanshi and Prabha, 1973

1973. *Discolaimium asji* Ali, Suryawanshi and Prabha. *Nematologica,* **19**: 195-204.

Material examined: Nil.

Habitat: Soil around roots of sugar beet (*Beta vulgaris* L.) from Aurangabad, Maharashtra.

Distribution: India: Maharashtra (Aurangabad dist.).

14. ***Discolaimium bulbiferum*** (Cobb, 1906) Timm & Bhuiyan, 1963

1963. *Discolaimium bulbiferum* Timm & Bhuiyan. *Biologia Lahore*, **9:** 53-56.

Material examined: Nil.

Disribution: India: Maharashtra. *Elsewhere*: Pakistan.

Remarks: Ali, Suryawanshi and Prabha (1973) reported the species collected from soil around roots of French bean (*Phaseolus vulgaris* L.) from Aurangabad district and from soil around roots of sugarcane (*Saccharum officinarum* L.) from Osmanabad district of Maharashtra.

15. ***Discolaimium mazhari*** Baqri & Jairajpuri, 1968

1968. *Discolaimium mazhari* Baqri & Jairajpuri. *Journal of Helminthology,* **XLII**(3/4): 243-256.

Material examined: Females 13; Coll. D. Sen and V.V. Gantait; Reg. No. WN 1483.

Location: Kurduwadi, Solapur.

Habitat: Soil around roots of tomato (*Solanum lycopersicum*) and turmeric (*Curcuma longa*).

Distribution: India: Uttar Pradesh (Bijnor dist.), West Bengal, Maharastra (Solapur dist.).

Remarks: The present specimens closely resemble the types, described by Baqri and Jairajpuri (1968) from Disond Hakimpur, Bijnor district of Uttar Pradesh, from soil around roots of cotton. Sen *et al.* (2012b) reported this species from West Bengal. This is the first report from Maharashtra.

16. ***Discolaimium oostenbrinki*** Ali, Suryawanshi and Prava, 1973

1973. *Discolaimium oostenbrinki* Ali, Suryawanshi and Prava. *Nematologica,* **19**: 195-204.

Material examined: Nil.

Habitat: Soil around roots of cotton (*Gossypium herbaceum* L.).

Distribution: India: Maharastra (Osmanabad dist.).

17. ***Discolaimium parweizi*** Siddiqi, 2003

2003. *Discolaimium parweizi* Siddiqi. *International Journal of Nematology*, **13**(1): 87-92.

Material examined: Females 3; Coll. D. Sen & V. V. Gantait; Reg. No. WN 1484.

Location: Akot, Akola and Chiplun, Ratnagiri.

Habitat: Soil around roots of Arhar *(Cajanus cajan)* and Ridged gourd (*Luffa sp.*)

Distribution: India: West Bengal, Maharastra (Akola and Ratnagiri dists.). *Elsewhere*: U.S.A.,

Remarks: The present specimens closely resemble the type species, described from Texas, U.S.A., from soil around roots of grass and weeds.

18. ***Discolaimium upum*** Baqri & Jairajpuri, 1968

1968. Baqri & Jairajpuri, *Journal of Helminthology,* **XLII** (3/4): 243-256.

Distribution: India: Uttar Pradesh (Etah dist.) and Maharashtra.

Remark: Baqri and Jairajpuri (1968) described the species from Sanna, Etah district of Uttar Pradesh, collected from soil around roots of cotton. Mehdi Ali, Suryawanshi and Prabha (1973) reported the species from Marathwada region of Maharashtra.

Genus ***Discolaimoides*** Heyns, 1963

19. ***Discolaimoides teres*** Khan and Laha, 1982

1982. *Discolaimoides teres* Khan and Laha. *Indian Journal of Nematology,* **12**(2): 232-249.

Material examined: Females 11; Coll. V.V. Gantait & D. Sen; Reg. No. WN 1484.

Location: Miraj, Sangli.

Habitat: Soil around roots of banana *(Musa paradisiacal* L.*)* and maize (*Zea maze*).

Distribution: India: Delhi, West Bengal and Maharashtra.

Remarks: The present specimens fit well with the original descriptions and illustrations made by Khan and Laha (1982). They reported the species from soil around roots of mango, collected from the Farm of I.A.R.I., New Delhi, India.

Genus ***Oriverutus*** Siddiqi, 1971
Syn. *Mammillonema* Darekar & Khan, 1982

20. ***Oriverutus lobatus*** Siddiqi, 1971

1971. *Oriverutus lobatus* Siddiqi. *Nematologica*, **16**: 483-491.

Material examined: Females; Coll. V.V. Gantait & D. Sen; Reg. No. WN 1406.

Location: Sangliwadi, Sangli.

Habitat: Soil around roots of onion *(Allium cepa)*.

Distribution: India: Sikkim, West Bengal and Maharashtra (Sangli). *Elsewhere*: Nigeria

Remarks: The species was described by Siddiqi (1971) from Ibadan, Nigeria. The present specimens slightly smaller than the type species and the value of 'a' also different (L = 0.74-0.79 mm; a = 29-37 in types). Baqri (1991) reported the species from Sikkim.

21. ***Oriverutus mammilatus*** (Darekar & Khan, 1981) Jairajpuri and Ahmad, 1982

1981. *Mammillonema mammillatus* Darekar & Khan. *Indian J. Nematol.*, **11**(2): 176-179.

1982. *Oriverutus mammilatus* Jairajpuri and Ahmad. *Dorylaimida*: *Free-living, Predaceous and Plant Parasitic Nematodes*. Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi, India, 458 pp.

Material Examined : Nil

Remarks: Darekar & Khan (1981b) described *Mammillonema mammilatus* as a new genus and new species from the rhizosphere of *Punica granatum* from Ahmednagar, Maharashtra. It differs from *Oriverutus* Siddiqi, 1971 in having mammillate papillae, spear extension zig-zag anteriorly, longer basal oesophageal bulb, amphidelphic gonads and mammillated ventromedian supplements. But Jairajpuri and Ahmad (1982) placed the species under the genus *Oriverutus*.

Genus ***Paractinolaimus*** Meyl, 1957

22. ***Paractinolaimus aruprus*** Khan *et al.*, 1994

1994. *Paractinolaimus aruprus* Khan, Ahmad and Jairajpuri. *Nematologica*, **40**: 494-502.

Material examined: Females 7, Males 2; Coll. V.V. Gantait; Reg. No. WN 1485.

Location: Patur, Akola and Chamunda, Beed.

Habitat: Soil around roots of brinjal (*Solanum melongena*) and onion *(Allium cepa)*.

Distribution: India: Arunachal Pradesh, West Bengal and Maharashtra (Akola and Beed districts).

Remarks: Both the present male and female specimens fit well with the dimensions and descriptions of the types, described by Khan *et al.* (1994). They recorded the species from Itanagar, Arunachal Pradesh, India; collected from soil around roots of banana.

Genus ***Paralongidorus*** Siddiqi, Hooper and Khan, 1963

23. ***Paralongidorus microlaimus*** Siddiqi, 1964

1964. *Paralongidorus microlaimus* Siddiqi. *Proc. Helminthol. Soc. Washington*, **31**(2): 133-137.

Material examined: Females 4; Coll. V.V. Gantait; Reg. No. WN 1485.

Location: Khetrabari, Pune.

Habitat: Soil around roots of banana (*Musa paradisiaca* L.).

Distribution: India: Maharashtra (Pune dist).

Remarks: Siddiqi (1964) described the species from Vadgaon of Pune district of Maharashtra, collected from soil around roots of banana.

Genus ***Belondira* Thorne, 1939**

24. ***Belondira goldeni*** Suryawanshi, 1972

1972. *Belondira golden* Suryawanshi. *Nematologica*, **18**: 44-58.

Material examined: Nil.

Habitat: Soil around roots of grass (*Bothriochloa pertusa*).

Distribution: India: Maharashtra (Osmanabad dist).

25. ***Belondira paraclava*** Jairajpuri, 1964

1964. *Belondira paraclava* Jairajpuri. *Proc. Helminth. Soc. Wash.*, **31:** 173-187.

Material examined: Nil.

Habitat: Soil around roots of sugarcane (*Saccharum officinarum* L.).

Distribution: India: Maharashtra (Aurangabad dist).

26. ***Belondira rafiqi*** Suryawanshi, 1972

1972. *Belondira rafiqi* Suryawanshi. *Nematologica*, **18**: 44-58.

Material examined: Nil.

Habitat: Soil around roots of grass (*Bothriochloa pertusa*).

Distribution: India: Maharashtra (Osmanabad dist).

27. ***Belondira sacchari*** Suryawanshi, 1972

1972. *Belondira sacchari* Suryawanshi. *Nematologica*, **18**: 44-58.

Material examined: Nil.

Habitat: Soil around roots of sugarcane (*Saccharum officinarum* L.).

Distribution: India: Maharashtra (Aurangabad dist).

28. ***Belondira syedi*** Suryawanshi, 1972

1972. *Belondira syedi* Suryawanshi. *Nematologica*, **18**: 44-58.

Material examined: Nil.

Habitat: Soil around roots of grass (*Cynodon dactylon*).

Distribution: India: Maharashtra (Aurangabad dist).

29. ***Belondira thornei*** Suryawanshi, 1972

1972. *Belondira thornei* Suryawanshi. *Nematologica*, **18**: 44-58.

Material examined: Nil.

Habitat: Soil around roots of grass.

Distribution: India: Maharashtra (Osmanabad dist).

Genus ***Dorylaimoides*** Thorne and Swanger, 1936

Subgenus ***Longidorylaimoides*** Jairajpuri and Ahmad, 1992

30. ***Dorylaimoides (Longidorylaimoides) parvus*** Thorne and Swanger, 1936

1936. *Dorylaimoides (Longidorylaimoides) parvus* Thorne and Swanger. *Capita Zool*, **36**: 223 pp.

Material examined: Females 6, Males 2; Coll. V.V. Gantait; Reg. No. WN 1486.

Location: Jalna and Nagpur.

Habitat: Soil around roots of tomato (*Solanum lycopersicum*) and onion (*Allium cepa*).

Distribution: India: West Bengal (South 24-Parganas and Burdwan dist.) and Maharashtra (Jalna and Nagpur). *Elsewhere*: Italy.

Remarks: Jana and Baqri (1981) and Sen *et al.* (2014) reported the species from West Bengal associated with paddy and guava respctively. This is the first report from Maharashtra.

Genus ***Oostenbrinkia*** Ali, Suryawanshi & Ahmad, 1973

31. ***Oostenbrinkia oostenbrinki*** Ali, Suryawanshi & Ahmad, 1973

1973. *Oostenbrinkia oostenbrinki* Ali, Suryawanshi & Ahmad. *Nematologica*, **19**: 190-204.

Material examined: Nil.

Habitat: Soil around roots of a grass, *Cynodon dactylon* Pers.

Distribution: India: Maharashtra (Aurangabad dist).

Genus ***Laevides*** Heyns, 1968

32. ***Laevides laevis*** (Thorne, 1939) Thorne, 1974

1939. *Laevides laevis* Thorne. *Capita Zool.*, **8**: 261 pp.

1974. Thorne. *Dakota State Univ. Agr. Exp. Sta. Tech. Bull.*, **41**: 120 pp.

Material examined: Males 3; Coll. D. Sen and V.V. Gantait; Reg. No. WN 1403.

Location : Kotherkhal, Ahmadnagar and Balughati, Ratnagiri.

Habitat: Soil around roots of a grass, *Cynodon dactylon* Pers and Flat bean (*Vicia faba*).

Distribution: India: Uttar Pradesh, Himachal Pradesh, Manipur, West Bengal and Maharashtra (Ahmadnagar and Ratnagiri dists.). *Elsewhere*: U.S.A.

Remarks: The present specimens agree well the male types, described by Thorne (1939). Sen (2017) reported this species from soil around the roots of guava in West Bengal.

Order TYLENCHIDA Thorne, 1949

Genus ***Polenchus*** Andrássy, 1980

1. ***Polenchus shamimi*** Baqri, 1991

1991. *Polenchus shamimi* Baqri. *Records of the Zoological Survey of India*, *Occasional paper* No. **128**: 103 pp.

Material examined: Females 9; Coll. V.V. Gantait and D. Sen; Reg. No. WN 1417.

Location: Katkhed, Akola and Havetibari, Raigarh.

Habitat: Soil around roots of sugarcane (*Saccaharum* sp.) and tomato (*Solanum lycopersicum*).

Distribution: India: Sikkim and West Bengal and Maharashtra (Akola and Raigarh dist.).

Remarks: The present specimens are quite similar with the types described by Baqri (1991), collected around roots of citrus from Sikkim. Gantait, Bhattacharya and Chatterjee (2010) reported the species from West Bengal, associated with banana. This is the first report from Maharshtra.

Genus ***Sakia*** Khan, 1964

2. ***Sakia alii*** Suryawanshi, 1971

1971. *Sakia alii* Suryawanmshi. *Acta Parasitologica Polonica*, **19**(29/41): 369-373.

Material examined: Nil.

Habitat: Suryawanshi (1971) reported the species from Soil around the Roots of grass (*Bothriochloa pertusa*) in Maharashtra State, India.

Distribution: India: Maharashtra.

Remark: Suryawanshi (1971) described *Sakia alii* from Maharashtra, India.

3. *Sakia indica* (Husain and Khan, 1965) Khan *et al.,* 1968

Syn. *Basiliophora indica* Husain and Khan, 1965

1965. *Basiliophora indica* Husain & Khan. *Proc. Helminthol. Soc. Wash*., **32**: 7–15.

1968. *Sakia indica* Khan, Mathur, Nand and Prasad. *Labdev J. Sci. Technol.*, **6B**: 186–189.

Material examined: Nil.

Habitat: Suryawanshi (1971) reported the species from Soil around the Roots of grass (*Bothriochloa pertusa*) in Maharashtra, India.

Distribution: India: Uttar Pradesh, Maharashtra.

Remark: Husain and Khan (1965) first described the species under the *Basiliophora,* a new genus from soil around the roots of *Justicea gendarussa* Burm. Later it was transferred to the genus *Sakia* by Khan *et al.* (1968).

4. ***Sakia propora*** (Husain and Khan, 1967) Suryawanshi, 1971

Syn. *Basiliophora propora* Husain and Khan, 1967

1967. *Basiliophora propora* Husain & Khan. *Nematologica,* **13**: 493–500.

1971. *Sakia propora* Suryawanshi. *Acta Parasitol. Polonica*, **19**: 369–173.

Material examined: Nil.

Habitat: Suryawanshi (1971) reported the species from Soil around the Roots of grass (*Bothriochloa pertusa*) in Maharashtra State, India.

Distribution: India: Uttar Pradesh, Maharashtra.

Remark: Husain & Khan (1967) first described this species under the genus *Basiliophora* from soil around the roots of *Raphanus sativus* L. from Barabanki district and from *Saccharum officinarum* L. from Bulandshahr, Uttar Pradesh. Suryawanshi (1971) transferred the species to the genus *Sakia* Khan, 1964 from Marathawada.

Genus ***Basiria*** Siddiqi, 1959

5. ***Basiria graminophila*** Siddiqi, 1959

1959. *Basiria graminophila* Siddiqi. *Nematologica*, **4**: 217- 222.

Material examined: Nil.

Habitat: Singh (1999) reported the species from Soil around the Roots of mandarin orange *(Citrus reticulata)* in Nagpur and Vidarbha region of Maharashtra, India.

Distribution: India: Uttar Pradesh, Maharashtra

Remark: Siddiqi (1959) first described the genus with its type species *Basiria graminophila* from the

soil around the roots of grasses at Aligarh district, U. P. Rashid *et al*., (1973) reported the species from the rhizosphere of fruit plantations like *Mangifera indica, Musa paradisiaca, Psidium guajava, Litchi chinensis* etc. from Bulandshahr, Bijnor, Aligarh, Agra and Rampur districts of U. P. Singh (1999) reported the species from Nagpur and Vidarbha region of Maharashtra, India.

6. ***B. nasikensis*** Darekar and Khan, 1978

1978. *Basiria nasikensis* Darekar & Khan. *Indian Journal of Nematology*, **7**(2): 148-153

Material examined: Nil.

Habitat: Darekar and Khan (1978a) reported the species from soil around the roots of wheat (*Triticum* sp.) in Maharashtra, India.

Distribution: India: Maharashtra.

Remark: Darekar and Khan (1978) described the species from Maharashtra.

Genus ***Ecphyadophora*** de Man, 1921

7. ***Ecphyadophora quadralata*** Corbett, 1964

Syn. *E. acuta* Husain and Khan, 1968

1964. *Ecphyadophora quadralata* Corbett. *Nematologica*, **10**: 121–130.

1968. *E. acuta* Husain & Khan. *Nematologica*, **14**: 377–384.

Material examined: Nil.

Habitat: Suryawanshi (1971) reported this species to be associated with different plants in Marathwada region, Maharashtra State, India

Distribution: India: Uttar Pradesh, Maharashtra.

Remark: Husain and Khan (1968) described this species as *E. acuta* from soil around the roots of *Prunus persica* L. from Rampur district, U.P. Rashid *et al.* (1973) further reported the species from varieties of vegetable and fruit trees from Bijnor, Lucknow, Rampur, Saharan, Gorakhpur districts of U.P.

Genus ***Ditylenchus*** Filipjev, 1936

8. ***Ditylenchus angustus*** (Butler, 1913) Filipjev, 1936

Syn. *Tylenchus angustus* Butler, 1913

1913. *Tylenchus angustus* Butler. *Agric. Res. Inst*., Pusa, India, Bul., **34**: 37pp.

1936. *Ditylenchus angustus* Filipjev. *Proc. Helminth. Soc. Wash*., **3**: 80-82.

Material examined: Nil.

Habitat: Patil (1998) reported the species from Soil around the Roots of paddy (*Oryza sativa*).

Distribution: India: Assam, West Bengal, Uttar Pradesh and Maharashtra.

Remark: Patil (1998) reported for the first time the occurrence of 'ufra' disease of rice in Maharashtra, India. *Ditylenchus angustus* is a potential pest of rice in Assam, India causing 'Ufra' disease. Hasan and Jain (1998) reported the species as a pest of rice in Eastern and Western part of Uttar Pradesh.

Genus ***Nothotylenchus*** Thorne, 1941

9. ***Nothotylenchus hexaglyphus*** Khan and Siddiqi, 1968

1968. *Nothotylenchus hexaglyphus* Khan & Siddiqi. *Nematologica*, **14**: 369-376.

Material examined: Females 3; Coll. V.V. Gantait; Reg. No. WN 1486.

Location: Bhandra, Thane.

Habitat: Soil around roots of arahar (*Cajanus cajani*) from Thane district, Maharashtra.

Distribution: India: Uttar Pradesh, Sikkim and West Bengal and Maharashtra (Thane dist.).

Remarks: The present specimens agree fairly well with the original description provided by Khan and Siddiqi (1968) described from Uttar Pradesh. Baqri (1991) reported the species from Sikkim. Gantait, Bhattacharya and Chatterjee (2010) reported the species from West Bengal, associated with banana.

Genus ***Hoplolaimus*** von Daday, 1905

Subgenus ***Basirolaimus*** Shamsi, 1979

10. ***Hoplolaimus* (*Basirolaimus*) *indicus*** Sher, 1963

1963. *Hoplolaimus* (*Basirolaimus*) *indicus* Sher. *Nematologica*, **9**: 267-295.

Material examined: Females 7; Coll. D. Sen; Reg. No. WN 1407.

Location: Barbadi and Gharod of Wardha district, Badnera of Amaravati and Nagpur of Nagpur district.

Habitat: Soil around roots of paddy (*Oryza sativa*) and tomato (*Solanum lycopersicum*). Darekar, Shelke and Mhase (1990) reported this species from soil

around the roots of Ground nut (*Arachis hypogaea*) in Maharashtra. Sen *et al.* (2012a) reported this species from West Bengal.

Distribution: India: Rajasthan, West Bengal, Delhi, Himachal Pradesh, Bihar, Punjab, Haryana, Sikkim, Uttar Pradesh, Andhra Pradesh, Tripura and Maharashtra). Cosmopolitan in distribution.

Remarks: Khan and Chawla (1975) have provided detailed description of the species.

11. ***H. (B.) senhorsti*** (Luc, 1958) Shamsi, 1979

Syn. (= *H. (B.) sheri* Syryawanshi, 1971)

Syn. *Hoplolaimus senhorsti* Luc, 1958

1958. *Hplolaimus seinhorsti* Luc. *Cotton et Fibres Tropicales*, **13**(2): 139-256.

1971. *Hplolaimus sheri* Suryawanshi. *Nematologica,* **18**: 393-406.

Material examined: Nil.

Habitat: Suryawanshi (1971) observed his species to be associated with plants in Marathwada region, Maharashtra.

Distribution: India: Marthwada region of Maharashtra, Uttar Pradesh.

Remark: Suryawanshi (1971) described *Hplolaimus sheri* as a new species from Maharashtra. Singh & Misra (1974) reported this species to be associated with sugarcane from five localities of Uttar Pradesh.

Subgenus ***Ethiolaimus*** Siddiqi, 2000

12. ***Hoplolaimus (Ethiolaimus) pararobustus*** Schuurman. Stekhoven & Teunissen, 1938

Syn. (= Hoplolaimus pararobustus Schuur. Stekhoven & Teunissen, 1938)

1938. *Hplolaimus pararobustus* Schuurmans Stekhoven & Teunissen. *Prac. Nat. Albert, Mission de Witte* (1933 – 1935), **22**: 229 pp.

Material examined: Nil.

Habitat: Suryawanshi (1971) observed his species to be associated with various plants in Marathwada region, Maharashtra.

Distribution: India: Marthwada region of Maharashtra, Uttar Predesh, West Bengal.

Genus ***Aorolaimus*** Sher, 1963

13. ***Aorolaimus intermedius*** Surwanshi, 1971

1971. *Aorolaimus intermedius* Suryawanshi. *Nematologica,* **18**: 393–406.

Material examined: Nil.

Habitat: Suryawanshi (1971) observed his species to be associated with plants in Marathwada region, Maharashtra.

Distribution: India: Marthwada region of Maharashtra.

Remark: Suryawanshi (1971) described *Aorolaimus intermedius* as a new species from Maharashtra.

Genus ***Helicotylenchus*** Steiner, 1945

14. ***Helicotylenchus crenacauda*** Sher, 1966

1966. *Helicotylenchus crenacauda* Sher. *Nematologica*, **12**: 1-56.

Material examined: Females 17; Coll. D. Sen & V.V. Gantait; Reg. No. WN 1410.

Location: Patur, Akola and Chiplun, Ratnagiri.

Habitat: Soil around roots of brinjal (*Solanum melongena*) and rose (*Rosa* sp.).

Distribution: India (West Bengal, Tripura, Rajasthan, Maharashtra, Andaman and Nicobar Islands). *Elsewhere*: U.S.A. and Bangladesh.

Remarks: The species is cosmopolitan in distribution.

15. ***Helicotylenchus dihystera*** (Cobb, 1893) Sher, 1961

1893. *Tylenchus dihystera* Cobb. *Macleay Mem*. Vol. Linn. Soc. NSW, 252-308.

1961. *Helicotylenchus dihystera* Sher. *Nematologica*, **6**: 155-169.

Material examined: Females 4; Coll. D. Sen & V.V. Gantait; Reg. No. WN 1411.

Location: Badnera, Amaravati.

Habitat: Soil around roots of sugarcane (*Saccaharum* sp.).

Distribution: India: Gujarat, Himachal Pradesh, West Bengal, Karnataka, Orissa, Sikkim, Madhya Pradesh, Andaman and Nicobar Islands, Haryana, and Maharastra. *Elsewhere:* Australia, Malaysia,

Senegal, Ivory Coast, Nigeria, South Africa, Morocco, California, Java, Fiji Islands, Mauritius.

Remarks: Baqri and Ahmad (1983) had discussed variations in different populations of *Helicotylenchus dihystera* from India. Baqri (1991) revealed that it is a widely distributed and highly variable species. Sen *et al.* (2012a) reported this species from West Bengal.

16. ***Helicotylenchus eletropicus*** Darekar and Khan, 1980

1980. *Helicotylenchus eletropicus* Darekar and Khan. *Nematol. Medit.* **8**: 1-7.

Material examined: Nil.

Habitat: Darekar and Khan (1980) reported this species from soil around the roots of coconut (*Cocos mucifera*) at Regional Fruit Research Station, Pune, Maharashtra.

Distribution: India: Maharashtra.

Remark: Darekar and Khan (1980) described *H. eletropicus* from Maharashtra.

17. ***Helicotylenchus girus*** Saha, Chawla and Khan, 1974

Syn. (= *H. incisus* Darekar & Khan, 1978)

1974. *Helicotylenchus girus* Saha, Chawla and Khan. *Indian J. Nematol.*, **3**: 83-87.

1978. *Helicotylenchus incisus* Darekar & Khan. *Indian Journal of Nematology,* **8**(2): 132-139

Material examined: Nil.

Habitat: Darekar & Khan (1978) reported *Helitylenchus incisus* from soil around the roots of sugar cane (*Saccharum officinarum*) at the Grape Research Station, Nasik District, Maharashtra, India.

Distribution: India: Maharashtra, Himachal Pradesh.

Remark: Darekar & Khan (1978) described *Helitylenchus incisus* as a new species from Maharashtra. This species was synonymised with *H. girus* by Siddiqi (2000).

18. ***Helicotylenchus hydrophilus*** Sher, 1966

Syn. (= *H. incisus* Darekar & Khan, 1978)

1966. *Helicotylenchus hydrophilus* Sher. *Nematologica*, **12**: 1-56.

1978. *Helicotylenchus incisus* Darekar & Khan. *Indian J. Nematol.,* **8**(2): 132-139.

Location: Panhala, Kolhapur.

Material examined: Females 3; Coll. D. Sen & V.V. Gantait; Reg. No. WN 1412.

Habitat: Soil around roots of ridged gourd (*Luff* sp.).

Distribution: India: West Bengal, Maharashtra. *Elsewhere*: U.S.A. (Florence, South Carolina).

Remarks: The present specimens agree well with the types, described by Sher (1966).

19. ***Helicotylenchus indicus*** Siddiqi, 1963

1963. *Helicotylenchus indicus* Siddiqi. *Z. Parasitenkunde*, **23**(3): 239-244.

Material examined: Nil.

Habitat: Darekar *et al.* (1992) reported this species from the cotton (*Gossypium* sp.) growing regions of Maharashtra, India.

Distribution: India: Cosmopolitan. Maharashtra, Uttar Pradesh, west Bengal etc.

20. ***Helicotylenchus morasii*** Darekar and Khan, 1980

1980. *Helicotylenchus morasii* Darekar and Khan. *Nematol. Medit.* **8**: 1-7.

Material examined: Nil.

Habitat: Darekar and Khan (1980) reported this species from soil around the roots of *Sorghum vulgare* Pers. in Solapur district of Maharashtra.

Distribution: India: Maharashtra.

Remark: Darekar & Khan (1978) described *Helitylenchus morasii* as a new species from Maharashtra.

21. ***Helicotylenchus multicinctus*** (Cobb, 1893) Goden, 1956

Syn. *Tylenchus multicinctus* Goden, 1956

1839. *Tylenchus multicinctus* Cobb. *Agric. Gaz. N. South Wales*, **4**: 808-833.

1956. *Helicotylenchus multicinctus* Golden. *Univ Maryland Agric. Exp. Sta. Bull.*, **A-85**: 28 pp.

Material examined: Nil.

Habitat: Suryawanshi (1971) observed his species to be associated with plants in Marathwada region, Maharashtra.

Distribution: India: Maharashtra, Uttar Pradesh.

Remark: Suryawanshi (1971) observed variation in the shape of the basal knobs of the spear in this species.

22. ***Helicotylenchus obtusicaudatus*** Darekar & Khan, 1978

1978. *Helicotylenchus obtusicaudatus* Darekar and Khan. *Indian Journal of Nematology*, **8**(2): 132-139

Material examined: Nil.

Habitat: Darekar & Khan (1978) reported this species from the rhizosphere of *Cynodon dactylon* at Pune district, and with sugarcane at another location of Maharashtra, India.

Distribution: India: Maharashtra.

Remark: Darekar & Khan (1978) described *Helicotylenchus obtusicaudatus* as a new species from Maharashtra.

23. ***Helicotylenchus paradihysteroides*** Darekar & Khan, 1978

1978. *Helicotylenchus paradihysteroides* Darekar and Khan. *Indian Journal of Nematology*, **8**(2): 132-139

Material examined: Nil.

Habitat: Darekar & Khan (1978) reported this species from the rhizosphere of sugarcane (*Saccharum officinarum*) at Pune district of Maharashtra, India.

Distribution: India: Maharashtra.

Remark: Darekar & Khan (1978) described *Helicotylenchus paradihysteroides* as a new species from Maharashtra.

Genus ***Rotylenchulus*** Linford and Oliveira, 1940

24. ***Rotylenchulus reniformis*** Linford and Oliveira, 1940

1940. *Rotylenchulus reniformis* Linford & Oliveira. *Proc. Helminth. Soc. Wash.*, **7**: 35-42.

Material examined: Females 2; Juvenile females 4; Coll. V.V. Gantait; Reg. No. WN 1414.

Location: Miraj, Sangali and Mahabaleswar, Satara.

Habitat: Soil around roots of ladies finger.

Distribution: India: Andhra Pradesh, Delhi, Gujarat, Haryana, Karnataka, Kerala, Orissa, Punjab, Maharashtra and West Bengal. *Elsewhere*: Tropical and Subtropical countries.

Remarks: Bohra and Baqri (1997) reported that *R. reniformis* found throughout Tropical and Subtropical countries and parasitizes a large number of cultivated plants and fruit trees. It is a sedentary and semi-endoparasitic nematode attacking several crops and fruit plants in India (Bohra, 2008).

Genus ***Pratylenchus*** Filipjev, 1936

25. ***Pratylenchus coffeae*** (Zimmermann, 1898) Filipjev and Schuurmans Stekhoven, 1941

Syn. *Tylenchus coffeae* Zimmermann, 1898

1898. *Tylenchus coffeae* Zimmermann. *Meded. Landb. Voor. Dienst. Buitenz*, **27**: 1-64.

1941. *Pratylenchus coffeae* Filipjev and Schuurmans Stekhoven. *A manual of Agricultural Helminthology.* Leiden, Netherlands, E.J. Brill. 878 pp.

Material examined: Females 12; Coll. V. V. Gantait; Reg. No. WN 1418.

Location: Lingamala, Satara and Kasba-Bavada, Kolapur.

Habitat: Soil around roots of paddy (*Oryza sativa*), chili (*Capsicum* sp.) and turmeric (*Crucuma longa*).

Distribution: India: West Bengal, Gujarat, Tripura and Maharashtra. *Elsewhere*: Bangladesh.

Remarks: *P. coffeae* is a widely distributed species in Pan tropical and Subtropical countries including India and Bangladesh (Jairajpuri and Baqri, 1991).

26. ***Pratylenchus thornei*** Sher and Allen, 1953

1953. *Pratylenchus thornei* Sher & Allen. *Univ. Calif. Publ. Zool.*, **57**: 441–470.

Material examined: Nil.

Habitat: Darekar, Shelke and Mhase (1990a) reported this species from soil around the roots of Ground nut (*Arachis hypogaea*) in Maharashtra.

Distribution: India: Uttar Pradesh, Maharashtra.

27. ***Pratylenchus zeae*** Graham, 1951

1951. *Pratylenchus zeae* Graham. *Agr. Exp. Stn. Bull*., **390**: 25 pp.

Material examined: Nil.

Habitat: Sundararaj and Mehta (1994) reported this species from sugar cane (*Saccharum officinarum*) growing areas of Maharashtra.

Distribution: India: Uttar Pradesh, Himachal Pradesh, Maharashtra and other sugar cane growing states.

Genus ***Hirschmanniella*** Luc and Goodey, 1964

28. ***Hirschmanniella gracilis*** (De man, 1880) Luc and Goodey, 1964

Syn. *Tylenchus gracilis* De man, 1880

1880. *Tylenchus gracilis* De Man, *Tijdschr. Nederal. Dierk. Ver.*, **5**: 1-104.

1964. *Hirschmanniella gracilis* Luc & Goodey, *Nematologica,* **7**: 471.

Location: Mohal and Bale of Solapur district, Katkhed, Akola.

Materials examined: Females 14, males 8; Coll. D. Sen & V.V. Gantait; Reg No. WN 1408.

Habitat: Soil around roots of paddy (*Oryza sativa*), sugarcane (*Saccaharum* sp.) and maize (*Zea mays*).

Distribution: India: West Bengal, Bihar, Tripura, Orissa, Gujarat and Maharashtra. *Elsewhere*: U.S.A., Canada, Neatherlands, Germany and many other countries.

Remarks: Baqri *et al.* (1983) reported this species is a key pest in West Bengal. Sen *et al.* (2012a) reported the species from soil around the roots of guava in West Bengal. It is cosmopolitan in distribution.

29. ***Hirschmanniella oryzae*** (van Breda de Hann, 1902) Luc and Goodey, 1964

Syn. *Tylenchus oryzae* van Breda de Hann, 1902

1902. *Tylenchus oryzae* Breda de Hann, Van J. *Meded. Lds. Pltuin, Batavia*, **53**: 1-65.

1964. *Hirschmanniella oryzae* Luc & Goodey. *Nematologica*, **9** (1963): 471.

Material examined: Nil.

Habitat: Suryawanshi (1971) observed his species to be associated with plants in Marathwada region, Maharashtra.

Distribution: India: Uttar Pradesh, Andhra Pradesh, Himachal Pradesh, West Bengal, Maharashtra and other paddy (*Oryza sativa*) growing states.

Remark: Sen *et al.* (2012a) reported the species from soil around the roots of guava and litchi in West Bengal.

Genus ***Radopholus*** Thorne, 1949

30. ***Radopholus similis*** (Cobb, 1893) Thorne, 1949

Syn. *Tylenchus similis* Cobb, 1893

1839. *Tylenchus similis* Cobb. *Agric. Gaz. N. South Wales*, **4**: 808-833.

1949. *Radopholus similis* Thorne. *Proc. Helminth. Soc. Wash.*, **16:** 37-73.

Material examined: Nil.

Habitat: Darekar *et al.* (1990) reported this species for the first time in Maharashtra from soil around the roots of banana (*Musa* sp.).

Distribution: India: Uttar Pradesh, Maharashtra and most of the banana growing states.

Genus ***Meloidogyne*** Goeldi, 1892

31. ***Meloidogyne arenaria*** (Neal, 1889) Chitwwod, 1914

Syn. *Anguillula arenaria* Neal, 1889

1892. *Anguillula arenaria* Neal. *U.S. Dept. Agr. Div. Ent. Bull.*, **20**.

1949. *Meloidogyne arenaria* Chitwood. *Proc. Helminth. Soc. Wash.*, **16**(2): 90-104.

Material examined: Nil.

Habitat: Darekar, Shelke and Mhase (1990) reported the occurrence of this species in association with groundnut (*Arachis hypogaea*) in Maharashtra, India.

Distribution: India: Cosmopolitan. Himachal Pradesh, Uttar Pradesh, Andhra Pradesh, Maharashtra, West Bengal etc.

Remark: Darekar *et al.* (1990) observed *Meloidogyne arenaria* as a predominant species of ground nut with heavy occurrence in Maharashtra.

32. ***Meloidogyne incognita***
(Kofoid & White, 1919) Chitwood, 1949

1919. *Oxyuris incognita* Kofoid & White. *J. Amer. Med. Assoc.*, **72**: 567–569.

1949. *Meloidogyne incognita* Chitwood. Proc. *Helminth. Soc. Wash.*, **16**(2): 90–104.

Material examined: Nil.

Habitat: Soil around roots of tomato (*Solanum lycopersicum*) and brinjal (*Solanum melongena*).

Distribution: India: West Bengal, Delhi, Karnataka, Himachal Pradesh, Assam, Rajasthan, Gujarat, Kerala, Uttar Pradesh, Tamil Nadu, Assam, Haryana, Orissa, Bihar, Maharastra, Madhya Pradesh and Tripura. *Elsewhere*: worldwide in distribution.

Genus ***Heterodera*** Schmidt, 1871

33. ***Heterodera cajani*** Koshy, 1967

1967. *Heterodera cajani* Koshy. *Indian Phytopathology*, **20**: 272–274.

Material examined: Nil.

Habitat: Varaprasad, Sharma and Loknathan (1997) reported *Heterodera cajani* to be associated with pigeonpea (*Cajanus cajani*) and chickpea (*Cicer arietinum*) in Maharashtra.

Distribution: Cosmopolitan. Uttar Pradesh, Maharashtra etc.

Remark: Varaprasad *et al.* (1997) observed *Heterodera cajani* to be associated with pigeonpea (*Cajanus cajan*) and chickpea (*Cicer arietinum*) in Akola, Amravati, Buldhana, Yavatmal and Wardha districts in Vidarbha region of Maharashtra and reported that population densities and extent of occurrence of *Heterodera cajani* were maximum on pigeonpea.

Genus ***Telotylenchus*** Siddiqi, 1960

34. ***Telotylenchus teres*** Khan and Darekar, 1978

1978. *Telotylenchus teres* Khan & Darekar. *Indian Journal of Nematology*, **8**(1): 13-18.

Material examined: Nil.

Habitat: Khan and Darekar (1978) reported this species from soil around the roots of sugarcane (*Saccharum officinarum*) from Nasik district, Maharashtra.

Distribution: India: Maharashtra.

Remark: Khan and Darekar (1978) described *Telotylenchus teres* as a new species from Maharashtra, India.

35. ***Telotylenchus impar*** Khan and Darekar, 1978

1978. *Telotylenchus impar* Khan & Darekar. *Indian Journal of Nematology*, **8**(1): 13-18.

Material examined: Nil.

Habitat: Khan and Darekar (1978) reported this species from soil around the roots of grape (*Vitis vinifera*) from Ahmednagar district, Maharashtra.

Distribution: India: Maharashtra.

36. ***Telotylenchus housei*** Raski, Prasad and Swarup, 1964

1964. *Telotylenchus housei* Raski, Prasad and Swarup. *Nematologica*, **10**: 83-86.

Material examined: Nil.

Habitat: Suryawanshi (1971) reported *Telotylenchus housei to be* associated with various plants in Marathwada region of Maharashtra.

Distribution: India: Maharashtra, Karnataka.

Remark: Raski *et al.* (1964) described *Telotylenchus housei* from soil around the roots of sorghum (*sorghum vulgare*) and maize (*Zea mays*) as a new nematode species from Karnataka (formerly Mysore state), India

Genus ***Truphurus*** Loof, 1956

37. ***Truphurus marathwadensis*** Suryawanshi, 1971

1971. *Truphurus marathwadensis* Suryawanshi. *Nematologica,* **18***:* 393-406.

Material examined: Nil.

Habitat: Suryawanshi (1971a) observed this species to be associated with plants in Marathwada region, Maharashtra.

Distribution: India: Maharashtra.

Remark: Suryawanshi (1971a) described *Truphurus marathwadensis* as a new species from Maharashtra.

Genus ***Tylenchorhynchus*** Cobb, 1913

38. ***Tylenchorhynchus brassicae*** Siddiqi, 1961

1961. *Tylenchorhynchus brassicae* Siddiqi. *Parasitekunde*, **21**: 46–64.

Material examined: Nil.

Habitat: Ali and Joshi (1971) reported the species from soil around the roots of *Lycopersicon esculentum* from the Fruit Research Centre, Aurangaba district.

Distribution: India: Cosmopolitan. Uttar Pradesh, Maharashtra, West Bengal etc.

39. ***Tylenchorhynchus coffeae*** Siddiqi and Basir, 1959

1959. *Tylenchorhynchus coffeae* Siddiqi and Basir. *Proc. 46*th *Indian Science Congress*: **35**.

Material examined: Female 7; coll. V. V. Gantait; Reg No. WN 1283.

Location: Tejpura, Ratnagiri district.

Distribution: India: Uttar Pradesh, West Bengal, Maharashtra (Ratnagiri and Jalna districts) and Bihar. *Elsewhere*: Tropical and Subtropical countries.

Remarks: Siddiqi *et al*. (1982) reported that *T. coffeae* is very common in West Bengal, India.

40. ***Tylenchorhynchus elegans*** Siddiqi, 1961

1961. *Tylenchorhynchus elegans* Siddiqi. Z. *Parasitenkunde*, **21**: 46–64.

Material examined: Nil.

Habitat: Ali and Joshi (1971) reported the species from soil around the roots of *Amaranthus spinosus* from Aurangabad district.

Distribution: India: Uttar Pradesh, Maharashtra.

41. ***Tylenchorhynchus mashhoodi*** Siddiqi and Basir, 1959

1959. *Tylenchorhynchus mashhoodi* Siddiqi & Basir, 1959. *Proc. 46*th *the Indian Science Congress* : **35.**

Material examined: Female 11. Coll. V. V. Gantait, Reg. No. WN 1284.

Location: Beed and Nagpur distrcts.

Distribution: Widely distributed in India.

Remarks: Baqri and Jairajpuri (1970) have redescribed *T. mashhoodi* along with its intraspecific variations. Jairajpuri and Baqri (1991) revealed that the species has a wide range of hosts and distribution. They also stated that it was widely distributed in paddy fields and was regarded as a potential pest.

42. ***Tylenchorhynchus punensis*** Khan and Darekar, 1978

1978. *Tylenchorhynchus punensis* Khan & Darekar. *Indian Journal of Nematology*, **8**(1): 43-48.

Material examined: Nil.

Habitat: Khan and Darekar (1978b) observed this species from soil around the roots of *Solanum melongena* at Pune, Maharashtra.

Distribution: India: Maharashtra.

Remark: Khan and Darekar (1978) described *Tylenchorhynchus punensis* as new species from Maharashtra.

Genus ***Merlinius*** Siddiqi, 1970

43. ***Merlinius macrophasmidus*** Khan and Darekar, 1978

1978. *Merlinius macrophasmidus* Khan & Darekar. *Indian Journal of Nematology*, **8** (1): 43-

Material examined: Nil.

Habitat: Khan and Darekar (1978) reported this species from the rhizosphere of grapevine (*Vitis vinifera*) at Pune district, Maharashtra.

Distribution: India: Maharashtra.

Remark: Khan and Darekar (1978) described *Merlinius macrophasmidus* as new species from Maharashtra.

Genus ***Criconemoides*** Taylor, 1936

44. ***Criconemoides mongomorgum*** Darekar and Khan, 1978

1978. *Criconemoides mongomorgum* Darekar & Khan. *Indian Journal of Nematology,* **7**(2): 148-153.

Material examined: Nil.

Habitat: Darekar and Khan (1978a) the species described from the root zone of cotton (*Go ssypium hirsutum* L.) at Agricultural Research Station, Ahmednagar district, Maharashtra.

Distribution: India: Maharashtra.

Remark: Darekar and Khan (1978) described *Criconemoides mongomorgum* as a new species from Maharashtra.

Genus ***Hemicriconemoides*** Chitwood and Brichfield, 1957

45. ***Hemicriconemoides mangiferae*** Siddiqi, 1961

1961. *Hemicriconemoides mangiferae* Siddiqi. *Proc. Helminth. Soc. Wash*., **28**: 19–34.

Material examined: Nil.

Habitat: Suryawanshi (1971) reported this species from soil around the roots of plants.

Distribution: Cosmopolitan. Uttar Pradesh, Himachal Pradesh, West Bengal, Maharashtra and other fruit growing states.

46. ***Hemicriconemoides mehdii*** Surwanshi, 1971

1971. *Hemicriconeodes mehdii* Suryawanshi . *Nematologica*, **18**: 393–406.

Material examined: Nil.

Habitat: Suryawanshi (1971) reported this species from soil around the roots of plants.

Distribution: India: Maharashtra.

Remark: Suryawanshi (1971) described *Criconemoides mongomorgum* as a new species from Maharashtra.

Genus ***Hemicycliophora*** de Man, 1921

47. ***Hemicycliophora ekdavici*** Darekar and Khan, 1981

1981. *Hemicycliophora ekdavici* Darekar & Khan. *Indian J. Nematol.,* **11**(1): 35–41.

Material examined: Nil.

Habitat: Darekar and Khan (1981) collected this species from the rhizosphere of *Zizyphus jujuba* Mill.

Distribution: India: Maharashtra.

Remark: Darekar and Khan (1981) described *Hemicycliophora ekdavici* as a new species from Maharashtra.

48. ***Hemicycliophora punensis*** Darekar and Khan, 1981

1981. *Hemicycliophora punensis* Darekar & Khan. *Indian J. Nematol.,* **11**(1): 35–41.

Material examined: Nil.

Habitat: Darekar and Khan (1981) collected this species from the rhizosphere of *Eugenia jambolina*.

Distribution: India: Maharashtra.

Remark: Darekar and Khan (1981) described *Hemicycliophora punensis* as a new species from Maharashtra.

Genus ***Tylenchulus*** Cobb, 1913

49. ***Tylenchulus semipenetrans*** Cobb, 1913

1913. *Tylenchulus semipenetrans* Cobb. *J. Wash. Acad. Sci*., **3**: 432–444.

Material examined: Nil.

Habitat: Darekar *et al.* (1990) reported this species for the first time in Maharashtra from soil around the roots of grapes (*Vitis vinifera*).

Distribution: India: Uttar Pradesh, Himachal Pradesh, Andhra Pradesh, Maharashtra and other fruit and citrus growing states.

SUMMARY

The present study includes two systematic lists of soil and plant-parasitic nematodes belonging to the orders Dorylaimida Pearse, 1942 and Tylenchida Thorne, 1949 from Maharashtra. 32 species under 21 genera and 11 families of Dorylaimida and 49 species under 22 genera and 11 families of Tylenchida have been compiled and reported in this communication. Two dorylaimid species are newly recorded from India. Six dorylaimid and 2 tylenchid species are recorded first time from Maharashtra.

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ANNELIDA: HIRUDINEA (Leeches)

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INTRODUCTION

Leeches or Hirudinea are recognized as a very important or significant Annelid group of versatile habitat. Leeches do not destroy crops, fruits and vegetation's. They are both terrestrial and aquatic. Aquatic species are found in fresh water, brackish water and sea water. Ponds, lakes, streams, paddy fields are the sources of fresh water. Rivers are the source of brackish water. Leeches are found sometimes attached with the animal body surface and sometimes with the plants. Lower leaf of plant, stem and root of the floating plants are the favourite habitat of leeches. (Harding and Moore, 1927). In Maharashtra, water hyacinth, valisnaria and grasses etc. are the main aquatic plants. Ducks and divers are the enemies of fresh water leeches, because they are swallowed by the enemies at the attached condition with the molluscs and insects. Soos, 1965 worked on Indentification key to the leech (Hirudinoidea) genera of the World. Harding and Moore, 1927 worked on Indian leeches. *Haemadipsa zeylanica cochiniana* (Terrestrial) have been recorded from Maharashtra (Chandra, 1991). Ghosh, 1998; Bandyopadhyay and Mandal, 2004; Mandal *et al.*, 2015; Soota and Ghosh 1977 contributed much in taxonomy of some Indian Leeches which is valuable in leech taxonomy of Maharashtra. Sanjeeva Raj 1954 worked on a new species of Marine leech of the genus *Branchellion* (Family Echthyobdellidae) from the Indian coast.

Eleven species of leeches *Branchellion plicobranchus, Glossiphonia annandalei, Glossiphonia weberi, Batracobdella reticulata, Hemiclepsis marginata marginata, Paraclepsis praedatrix, Paraclepsis vulnifera, Placobdella emydae, Herpobdelloidea lateroculata, Hirudo birmanica* (Aquatic) and *Haemadipsa zeylanica cochiniana* (Terrestrial) have been recorded from Maharashtra (Chandra, 1991). During Maharashtra survey authors have collected 212 examples of leeches from four districts of the state and found 5 species under 5 genera and 2 families. Four leeches (*Helobdella nociva, Hemiclepsis marginata asiatica, Nematobdella indica, Barbronia weberi*) are new from the state and one *Placobdella godavariensis* is new to science. Sixteen species of leeches are reported from the state of Maharashtra.

SYSTEMATIC ACCOUNT

Phylum ANNELIDA

Class HIRUDINEA

Order RHYNCHOBDELLAE

I. Family PISCICOLIDAE

1. Genus ***Branchellion*** Savigny, 1822

1. *Branchellion plicobranchus* Sanjeeva Raj, 1954

II. Family GLOSSIPHONIDAE

1. Genus ***Batracobdella***, Viguer, 1879

2. *Batracobdella reticulata* (Kaburaki, 1921)

2. Genus ***Glossiphonia*** Johnson, 1816

3. *Glossiphonia annandalei* Oka, 1921

4. *Glossiphonia weberi* Blanchard, 1897

4. Genus ***Helobdella*** Blanchard, 1896

5. **Helobdella nociva* Harding, 1924

5. Genus ***Hemiclepsis*** Vejdovsky, 1883

6. *Hemiclepsis marginata marginata* (Muller, 1774)

7. **Hemiclepsismarginata asiatica* Moore, 1924

6. Genus ***Paraclepsis*** Harding, 1924

8. *Paraclepsis praedatrix* Harding, 1924

9. *Paraclepsis vulnifera* Harding, 1924

7. Genus ***Placobdella*** Blanchard, 1893

10. *Placobdella emidae* Harding, 1920

11. *Placobdella godavariensis* Mandal *et al*. 2015

Order ARHYNCHOBDELLAE

III. Family ERPOBDELLIDAE

8. Genus ***Barbronia,*** Johansson, 1918

14. **Barbronia weberi* (Blanchard, 1897)

9. Genus ***Herpobdelloidea*** Kaburaki, 1921.

12. *Herpobdelloidea lateroculata* Kaburaki 1921

10. Genus ***Nematobdella*** Kaburaki, 1921

13. **Nematobdella indica* Kaburaki, 1921

IV. Family HIRUDIDAE

11. Genus ***Hirudo*** Linnaeus, 1758

15. *Hirudo birmanica* (Blanchard, 1894)

V. Family HAEMADIPSIDAE

12. Genus ***Haemadipsa*** Tennent, 1859

16. *Haemadipsa zeylanica cochiniana* Moore, 1927

AQUATIC LEECH OF MAHARASHTRA

Family PISCICOLIDAE

1. ***Branchellion plicobranchus*** Sanjeeva Raj, 1954

Distribution: Madras (Tamil Nadu); Vizagapatam (Andhra Pradesh); Quilon (Kerala) and Bombay (Maharashtra).

2. ***Batracobdella reticulata*** Kaburaki, 1921

1921. *Glossiphonia reticulata* Kaburaki, *Rec. Indian Mus.*, **22(5)**: 689. (Type –Locality: Julundhar, Punjab; Type-Deposited: Z.S.I.).

1983. *Batracobdella reticulata* Chandra, *Rec. zool. Surv. India*, **80**: 275.

Distribution: India: Jallandhar (Punjab); Sirmour, Bilaspur (Himachal Pradesh.); Jammu (Jammu and Kashmir); Murshidabad (West Bengal); Satara, Kolhapur (Mahrashtra). *Elsewhere*: Soochow (China); Chikubushima (Japan); Myitkyina Dist. (Myanmar).

3. ***Glossiphonia annandalei*** Oka, 1921

1921. *Glossiphonia annandalei* Oka, *Rec. Indian Mus.*, **24**(4): 521. (Type–Locality: Inle, Lake, Myanmar; Type-Deposited: Not known).

1983. *Glossiphonia annandalei* Chandra, *Rec. zool. Surv. India*, **80**: 273.

Distribution: India: Jaisalmer, (Rajasthan); Chilka Lake (Orissa); Malda (West Bengal); Satara, Kolhapur, (Maharashtra).

4. ***Glossiphonia weberi*** Blanchard, 1897

1897. *Glossiphonia weberi* Blanchard, *Zool. Ergeb.* Einer Reise in Niederlan dische Ost-Indian, Max Weber, 4:332. (Type-Locality: Sumatra; Type-Deposited; Not known).

1983. *Glossiphonia weberiweberi,*Chandra, *Rec. zool. Surv. India*, **80**: 274.

2004. *Glossiphoniaweberi*. Mandal, *Rec. zool. Surv. India:* **102** (Part1-2): 41-46.

Distribution: India: Widely distributed throughout India. West Bengal; Bihar; Uttar Pradesh; Andhra Pradesh; Assam; Tamil Nadu; Orissa; Madhya Pradesh; Jammu and Kashmir; Maharashtra. *Elsewhere :* Pakistan, Nepal, Myanmar and Sumatra.

5. ***Helobdella nociva*** Harding, 1924

1924. *Helobdella nociva Harding. Ann. mag. nat. Hist., Ser.* 9, **14**: 489. (Type-Locality: Sumatra; Type-Deposited; Not known).

1983. *Helobdella nociva,* Chandra, *Rec. zool. Surv. India*, **80**: 276.

Material examined: 1 ex. Gangaghat, Godavari River, Nasik, Maharashtra 18.12.2012. Coll. Dr. C.K. Mandal and party. Reg. No.3818/1.

Distribution: India: Solan (Himachal Pradesh); Puri (Orissa); Mysore (Karnataka); Poonch, Udhampur, (Jammu and Kashmir) Bankura, Calcutta, Howrah, Midnapur, Purulia, South 24 Parganas, Murshidabad, Jalpaiguri (West Bengal); Nasik (Maharashtra).

6. ***Hemiclepsis marginata marginata*** (Muller, 1774)

1774. *Hirudo marginata* Muller, Vermiumterrestriumet flaviatilium, 1, pars 2.4R". Havinaeet lipsiae.

1983. *Hemiclepsis marginata marginata,* Chandra, *Rec. zool. Surv. India*, **80**: 279.

Material examined : 1 ex. Gangaghat Godavari River, Nasik, Maharashtra 21.12.2012. Coll. Dr. C. K. Mandal and party. Reg. No. An 3814/1.

Distribution : India: Bihar; Orissa; Rajasthan; Uttar Pradesh; Maharashtra; Madhya Pradesh; Karnataka; Andhra Pradesh; Tamil Nadu; West

Bengal; Nasik, Maharashtra. *Elsewhere*: Europe, Western Asia and Nepal.

Remarks : *Hemiclepsis marginata marginatahas* been recorded from Andhra Pradesh and Tamil Nadu for the first time.

7. ***Hemiclepsis marginata asiatica*** Moore, 1924

1924. *Hemiclepsis marginata asiatica* Moore, Proc. Acad. Nat.Sci. Philad., **76**: 343-368 (Type-Locality: Srinagar; Type-Deposited; Z.S.I.).

1983. *Hemiclepsis marginata asiatica,* Chandra, *Rec. zool. Surv. India*, **80**: 278.

Material examined : 1 ex. Gangaghat, Godavari River, Nasik, Maharashtra 18.12.2012. Coll. Dr. C. K. Mandal and party. Reg. No. An3815/1.

Distribution : India: Sirmour (Himachal Pradesh); Srinagar (Jammu and Kashmir); Sirmour (Himachal Pradesh); Kashmir; Meghalaya; Uttar Pradesh; Howrah, Hooghly, Birbhum, Purulia, Malda, Coochbihar, Burdwan, Calcutta, Jalpaiguri, South 24 Parganas (West Bengal); Nasik (Maharashtra). *Elsewhere*: Canada; U.S.A; Paraguay; Andes; and western Asia.

8. ***Paraclepsis praedarix*** Harding, 1924

1924. *Paraclepsis praedarix* Harding, *Ann. & Mag. Nat. Hist*., *Ser.* 9, **14**: 489. (Type-Locality and Type-Deposited; Not known).

2004. *Paraclepsis praedarix,* Mandal, *Rec. zool. Surv. India:* **102** (Part1-2): 41-46.

Material examined : 1 ex. Gangaghat, Godavari River, Nasik, Maharashtra 18.12.2012. Coll. Dr. C. K. Mandal and party. Reg. No. An3818/1.

Distribution : India: Sirmour, Solan, Bilaspur (Himachal Pradesh); Kalka (Hariana); Chota Nagpur (Bihar) Mangaldai (Assam); Jodhpur, Nagaur, Jaisalmer, Jaipur, Bikaner, Sikar (Rajasthan);Igatpuri, Kolhapur, Satara (Maharashtra); Andhra Pradesh; Assam; Himachal Pradesh; Rajasthan; Shimoga, Karnataka. Bankura; Burdwan; Howrah; Midnapur, Murshidabad, Purulia (West Bengal); Igatpuri, Kolhapur, Satara (Maharashtra).

Distribution **:** India:Maharashtra.

9. ***Paraclepsis vulnifera*** Harding, 1924

1924. *Paraclepsis vulnifera,*Harding, *Ann. & Mag. Nat. Hist.*, *Ser.* 9, **14**: 489. (Type-Locality: Tanjore, Tamil Nadu; Type-Deposited; Not known).

2004. *Paraclepsis vulnifera* Mandal, *Rec. zool. Surv. India:* **102** (Part1-2): 41-46.

Distribution: India: Himachal Pradesh ; Rajasthan ; Nasik (Maharastra); Tamil Nadu; Jammu and Kashmir.

10. ***Placobdella emydae*** Harding, 1920.

1920. *Placobdella emydae Harding, Mem. Indian Mus.,* **5***:* 510. (Type-Locality: and Type-Deposited; Not known).

2004. Mandal, *Rec. zool. Surv. India:* **102** (Part1-2): 41-46.

Distribution: India: Calcutta, Hooghly, Jalpaiguri, Purulia, 24 Parganas (N), 24 Parganas (S), Howrah, Nadia (West Bengal); Solan (H.P.); Chota Nagpur (Bihar); Sambalpour, Chilka Lake (Orissa); Hoshangabad, Nagpur, Satara (Maharastra).

11. ***Placobdella godavariensis*** Mandal and Dhani 2015

2015. *Placobdella godavariensis* Mandal and Dhani, *Rec. zool. Surv. India:* **115** (Part1-3):237-240). (Type-Locality: Nasik, Maharashtra; Type-Deposited; Z.S.I.).

Diagnostic characters : Eyes single pair and almost round shaped. Mouth opening sub terminal.Caeca is seven pairs, single branched. Five chain stripes with black papillae on the dorsal region. Male gonopore between rings 27-28. Total rings 72.

Distribution: India: Nasik (Maharastra).

12. ***Barbronia weberi*** (Blanchard, 1897)

1897. *Dina weberi Blanchard, Zool. Ergeb. Riese in Neiderlandish Ost-India,* **4:** 332-355. (Type-Locality: Java; Type-Deposited; Not known).

2004. *Barbronia weberi* Mandal, *Rec. zool. Surv. India:* **102** (Part1-2): 41-46.

Material examined : 2exs. Gangaghat, Godavari River, Nasik, Maharashtra 18.12.2012. Coll. Dr. C.K. Mandal and party. Reg. No. An3811/1.

Distribution : India: Malda, (West Bengal); West Godabari, Mehbubnagar, Anantapur (Andhra Pradesh); Kathua, Udhampur, Poonch, Rajour (Jammu and Kashmir); Sirmour, Solan, Bilashpur, Shimla, (Himachal Pradesh); Hoshangabad, (Madhya Pradesh); Nainital Uttar Anchal; Nasik (Maharashtra).

13. ***Herpobdelloidea lateroculata*** Kaburaki 1921

1921. *Herpobdelloidea lateroculata* Kaburaki, *Rec. Indian Mus.*, **22**: 689-719, 7 text-figs. (Type-Locality: Saugar, Madhya Pradesh; Type-Deposited: Z.S.I.).

2004. *Herpobdelloidea lateroculata* Mandal, *Rec. zool. Surv. India:* **102**(Part1-2): 41-46.

Material examined : 10exs. Gangaghat, Godavari River, Nasik (Maharashtra), 18.12.2012. Coll. Dr. C.K. Mandal and party. Reg. No. An3809/1.

Distribution : India: Rajasthan; Madhya Pradesh; Manipur; West Bengal; Assam; Uttar Pradesh; Orissa; Nasik (Maharashtra).

14. ***Nematobdella indica*** Kaburaki, 1921

1921. *Nematobdella indica* Kaburaki, *Rec. Indian Mus*., **22**: 689-719. (Type-Locality: Dharampur, Himachal Pradesh; Type-Deposited: Z.S.I.).

2004. *Nematobdella indica* Mandal, *Rec. zool. Surv. India:* **102**(Part1-2): 41-46.

Material examined : 2exs. Gangaghat, Godavari River, Nasik (Maharashtra), 18.12.2012. Coll. Dr. C.K. Mandal and party. Reg. No.An 3810/1.

Distribution : West Bengal; Himachal Pradesh; Madhya Pradesh; Rajasthan; Uttar Pradesh; Himachal Pradesh; Punjab; Nasik (Maharashtra).

Remarks : Feeding and breeding behaviour have been recorded.

15. ***Hirudo birmanica*** (Blanchard, 1894).

1894. *Haemopis birmanica Blanchard, Annuli. Mus. Civ. Stornat Giacomo Doria*, **2**(14): 113-118. (Type-Locality: Kareni Mountains, Myanmar; Type-Deposited: Genova Museum).

1927. *Hirudo birmanica*, Moore, Fauna Brit. India, Hirudinea, 192-199.

2004. *Hirudo birmanica* Mandal, *Rec. zool. Surv. India:* **102**(Part1-2): 41-46.

Distribution: India: Dehradun and Bilaspur (H.P); Bhowali and Mukteswar, Nainital (U.P.); Sikkim; Manipur; Bhubaneswar (Orissa); Assam; Naga Hills (Nagaland); Darjeeling, Bunkura, Calcutta, Coochbihar, South 24 Parganas, Calcutta (West Bengal); Chikmagalur, Mysore, (Karnataka); Jammu; Lohardanga, Chotanagpur (Bihar); Andhra Pradesh; Satara (Maharashtra). *Elsewhere*: Srilanka; Thailand; Bankok; Pakisthan; Nepal.

16. ***Haemadipsa zeylanica cochiniana*** Moore, 1927

1927. *Haemadipsa zeylanica cochiniana Moore, Fauna Brit. India,* Hirudinea, 265-266. (Type-Locality: Kochin, Kerala; Type-Deposited: Z.S.I.).

1983. *Haemadipsazeylanicacochiniana*Chandra, *Rec. zool. Surv. India*, **80**: 286.

Distribution : Nilgiri Hills (Tamil Nadu); Kochin (Karala) and North Kanara (Maharashtra).

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Soota, T.D. and Ghosh, G.C. 1977. On some Indian Leeches. *Newsl. Zool. Surv. India,* **3**(6): 359-360.

Table I: District-wise distribution of Leeches in Maharashtra

Leeches	Bombay	Nasik	Satara	Kolhapur	Igatpuri	Hoshangabad	Nagpur	N. Kanara	Jalgaon
Branchellion plicobranchus	+	-	-	-	-	-	-	-	-
Glossiphonia annandalei	-	-	+	+	-	-	-	-	-
Glossiphonia weberi	-	-	+	+	-	-	-	-	-
Batracobdella reticulata,	-	-	+	+	-	-	-	-	-
Hemiclepsis marginata marginata	-	+	+	-	+	-	-	-	-
Hemiclepsis marginata asiatica	-	+	-	-	-	-	-	-	-
Paraclepsis praedatrix	-	+	+	+	+	-	-	-	-
Paraclepsis vulnifera	-	-	+	-	-	-	-	-	-
Placobdella emydae	-	-	+	-	-	+	+	-	-
Placobdella godavariensis		+							
Herpobdelloidea lateroculata	-	+	+	-	-	-	-	-	-
Nematobdella indica	-	+	-	-	-	-	-	-	-
Helobdella nociva	-	+	-	-	-	-	-	-	-
Barbronia weberi	-	+	-	-	-	-	-	-	+
Hirudo birmanica	-	-	+	-	-	-	-	-	-
Haemadipsa zeylanica cochiniana	-	-	-	-	-	-	-	+	-

Zool. Surv. India
Fauna of Maharashtra, State Fauna Series, 20(Part-3) : 41-87, 2019.

INSECTA : HEMIPTERA: HETEROPTERA

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INTRODUCTION

Heteroptera, or true bugs constitute a monophyletic clade of hemimetabolous insects presenting a worldwide distribution. They have been recorded from all vegetation strata in all ecozones and bioregions of the world. Member of the suborder heteroptera can be recognised by having porrect head, gular region sclerotized and base of rostrum not tuching anterior coxae. Wings are folded flat over the abdomen, forewing divided into a coriaceous anterior portion and a membranous posterior portion. About 42,347 species of Heteroptera are known all over the world (Henry, 2009).

The members of the family Reduviidae are commonly known as "Assassin bugs" and are the largest predaceous terrestrial bugs. It includes about 6878 species and subspecies under 981 genera belonging to 25 subfamilies from the world (Henry, 2009). Of which 465 species under 144 genera belonging to 14 subfamilies are recorded from India. Prior to study 11 species under 9 genera belonging to 6 subfamilies *viz.* Tribelocephalinae, Harpactorinae, Stenopodainae, Ectrichodiinae, Peiratinae and Reduviinae are recorded from Maharashtra (Biswas, Hassan and Mukherjee, 2013), of which 5 species under 5 genera *viz. Tribelocephala indica* (Walker), *Rhynocoris marginatus* (Fabricius), *Oncocephalus schioedtei* Reuter, *Scadra annulipes* Reuter and *Cleptocoris atromaculatus* Stal were recorded for the first time from the state. This group is characterized by having head more or less elongate, eyes usually well separated from anterior margin of the pronotum; rostrum usually stout, bent or curved at base and three-segmented; forelegs somewhat raptorial, tarsi 1-3-jointed with claws.

The pentatomids are recognised by having shield shaped large triangular scutellum, not longer than corium and usually not reaching the apex of the abdomen, 5 segmented antennae which gives its family name as in greek "penta" means five and "tomos" means section. Majority of these bugs are plant sucking except the members of the family Asopinae which are wholly or partially predaceous in nature. Pentatomoidea is one of the largest superfamilies of Heteroptera comprising of 1301 genera and 7182 species distributed in sixteen families all over the world (Henry, 2009). Of these, family Pentatomidae alone represents 896 genera and 4722 species. Azim & Nayyar (2011) contributed on Taxonomy of Stink bugs (Pentatomidae) of India. About 590 species of the Superfamily Pentatomoidea are being reported from India.

The superfamily Coreoidea comprising of 2376 species from the world (Henry 2009), of these, about 200 species under 60 genera are so far known from India including 78 endemic species. Member of the superfamily Coreoidea can easily be recognized by having forewings with numerous veins, ocelli present, head narrower and most often shorter than pronotum and antennae four segmented. They are principally phytophagous in nature.

Member of the family Lygaeidae are small to medium sized, oval or elongated in shape, ranging from 4-20 mm in length, usually brown, red or black in colour, sometimes brightly coloured. This group is recognized by having antennae 4-segmented, a pair of ocelli present between the compound eyes,membrane with few irregular veins (4-5 veins) arising from a transverse basal vein and absence of cuneus in hemelytra, front part of their forewings slightly sclerotised and the remaining portion membranous and hind wings always membranous.

Most of the Lygaeidae bugs are phytophagous and feed on plant juices, some feed on plant seeds but some are predators of other insects (subfamily Geocorinae), comprises of about 4000 species under

500 genera all over the world (Henry, 2009). More than 292 species belonging to 112 genera are known from the India).

The Pyrrhocoroidea are of moderate size, generally brightly coloured with red, yellow, white and black markings which differs from its allied group, Lygaeidae by having more branched veins and cells in the hemelytra and absence of ocelli. Pyrrhocoroidea of the world estimates to about 400 species under 65 genera (Schaefer and Ahmed, 2000). Indian Pyrrhocoridae is represented by 45 species under 15 genera (Sen *et al*. 1994).

SYSTEMATIC LIST

Suborder HETEROPTERA

Infraorder I. CIMICOMORPHA

Superfamily I. REDUVIOIDEA

Family I. REDUVIIDAE

Subfamily I. TRIBELOCEPHALINAE

Genus 1. ***Tribelocephala*** Stal, 1853

1. *Tribelocephala indica* (Walker, 1873)

Subfamily II. HARPACTORINAE

Genus 2. ***Polididus*** Stal, 1858

2. *Polididus armatissimus* Stal, 1859

Genus 3. ***Rhynocoris*** Kolenati, 1857

3. *Rhynocoris costalis* (Stal, 1866)
4. *Rhynocoris marginatus* (Fabricius,1794)
5. *Rhynocoris squalus* Distant, 1904*

Genus 4. ***Cosmoslestes*** Stal, 1806

6. *Cosmoslestes annulipes* Distant, 1879

Genus 5. ***Coranus*** Curtis, 1833

7. *Coranus fuscipennis* Reuter, 1881

Subfamily III. STENOPODAINAE

Genus 6. ***Thodelmus*** Stal, 1859

8. *Thodelmus falleni* Stal, 1859

Genus 7. ***Oncocephalus*** Klug, 1830

9. *Oncocephalus impudicus* Reuter,1882
10. *Oncocephalus schioedtei* Reuter,1882

Genus 8. ***Sastrapada*** Amyot and Serville, 1843

11. *Sastrapada baerensprungi* (Stal, 1859)

Subfamily IV. ECTRICHODIINAE

Genus 9. ***Scadra*** Stal, 1859

12. *Scadra fuscicrus* Stal, 1859
13. *Scadra annulipes* Reuter, 1889

Subfamily V. PEIRATINAE

Genus 10. ***Sirthenea*** Spinola, 1840

14. *Sirthenea flavipes* (Stal, 1855)*

Genus 11. ***Catamiarus*** Amyot and Serville, 1843

15. *Catamiarus brevipennis* (Serville, 1831)

Genus 12. ***Ectomocoris*** Mayr, 1865

16. *Ectomocoris tibialis* Distant, 1904
17. *Ectomocoris quadriguttatus* (Fabricius, 1781)

Genus 13. ***Cleptocoris*** Sal, 1866

18. *Cleptocoris atromaculatus* Stal, 1870

Genus 14. ***Lestomerus*** Amyot and Serville, 1843

19. *Lestomerus sanctus* (Fabricius, 1787)*

Subfamily VI. REDUVIINAE

Genus 15. ***Acanthaspis*** Amyot and Serville, 1843

20. *Acanthaspis micrographa* Walker, 1873*

Genus 16. ***Reduvius*** Lamarck, 1801

21. *Reduvius angiportus* Distant,1904

Genus 17. ***Gerbelius*** Distant, 1903

22. *Gerbelius ornatus* Distant, 1903

Infraorder II. PENTATOMORPHA

Superfamily II. PENTATOMOIDEA

Family II. PENTATOMIDAE

Subfamily VII. PENTATOMINAE

Tribe **Antestiini**

Genus 18. ***Plautia*** Stal, 1867

23. *Plautia crossota* (Fabricius, 1787)

Tribe **Agonoscelidini**

Genus 19. ***Agonoscelis*** Spin, 1837

24. *Agonoscelis nubilis* (Fabricius, 1775)

Tribe **Carpocorini**

Genus 20. ***Tolumnia*** Stal, 1867

25. *Tolumnia latipes* (Dallas, 1857)*

Genus 21. ***Codophila*** Mus. and Rey, 1866

26. *Codophila macullicolis* (Dallas, 1851)

Genus 22. ***Aeliomorpha*** Stal, 1858

27. *Aeliomorpha lineaticollis* (Westwood, 1837)

Genus 23. ***Dolycoris*** Mus and Rey, 1866

28. *Dolycoris indicus* Stal, 1876

Genus 24. ***Menida*** Motsch., 1861

29. *Menida versicolor* (Gmelin, 1790)*

Tribe **Cappaeini**

Genus 25. ***Halyomorpha*** Mayr, 1864

30. *Halyomorpha picus* (Fabr., 1794)

Tribe **Eysarcorini**

Genus 26. ***Hermolaus*** Distant, 1902

31. *Hermolaus typicus* Distant, 1902

Genus 27. ***Adria*** Stal, 1876

32. *Adria parvula* Dallas, 1851

Genus 28. ***Carbula*** Stal, 1864

33. *Carbula insocia* Walker, 1868

34. *Carbula biguttata* Fabricius, 1794

35. *Carbula scutellata* Distant, 1887

Genus 29. ***Neocarbula*** Distant, 1918

36. *Neocarbula capitata* Distant, 1918*

Genus 30. ***Eysarcoris*** Hahn, 1834

37. *Eysarcoris guttiger* (Thunberg, 1787)

38. *Eysarcoris montivagus* (Distant, 1902)

39. *Eysarcoris ventralis* (Westwood, 1837)

Tribe **Halyini**

Genus 31. ***Halys*** Fabricius,1803

40. *Halys dentatus* (Fabricius, 1775)

Genus 32. ***Erthesina*** Spin., 1837

41. *Erthesina fullo* (Thunberg, 1783)

Genus 33. ***Dalpada*** Amyot. and Serville, 1843

42. *Dalpada versicolor* (Herr.-Schaeff., 1839)*

43. *Dalpada nigricollis* (Westwood, 1837)*

Tribe **Menidini**

Genus 34. ***Apines*** Dall. 1851

44. *Apines concinna* Dall, 1851

Tribe **Nezarini**

Genus 35. ***Palomena*** Muls. Rey, 1866

45. *Palomena viridissima* (Poda, 1761)*

Genus 36. ***Acrosternum*** Fieber, 1860

46. *Acrosternum graminea* Kirkaldy, 1787

Genus 37. ***Nezara*** Amy. and Serv. 1843

47. *Nezara viridula* (Linnaeus, 1758)

Tribe **Catacanthini**

Genus 38. ***Catacanthus*** Spinola, 1837

48. *Catacanthus incarnates* (Drury, 1773)

Tribe **Pentatomini**

Genus 39. ***Placosternum*** Amy. and Serv., 1843

49. *Placosternum taurus* (Fabr., 1781)

Tribe ***Piezodorini***

Genus 40. ***Piezodorus*** Fieber, 1861

50. *Piezodorus hybneri* Gmelin, 1790

Tribe **Sciocorini**

Genus 41. ***Menedemus*** Distant, 1899

51. *Menedemus hieroglyphicus* Distant, 1899

Genus 42. ***Sciocoris*** Fallen, 1829

52. *Sciocoris indicus* Dallas, 1851

Tribe **Sephelini**

Genus 43. ***Niphe*** Stal, 1867

53. *Niphe subferruginea* (Westwood, 1837)

Tribe ***Strachiini***

Genus 44. ***Bagrada*** Stal, 1862

54. *Bagrada hilaris* Burmeister, 1835

Tribe **Axiagastini**

Genus 45. ***Axiagastus*** Dallas, 1851

55. *Axiagastus rosmarus* Dallas, 1851*

Subfamily VIII. ASOPINAE

Genus 46. ***Eocanthecona*** Amy. and Serv. 1843

56. *Eocanthecona furcellata* (Wolff., 1801)

Subfamily IX. PODOPINAE

Genus 47. ***Melanophara*** Stal, 1867

57. *Melanophara dentata* Hagl., 1868*

Family III. CYDNIDAE

Genus 48. ***Adrisa*** Amyt and Serv., 1843

58. *Adrisa magna* (Uhler, 1843)*

Genus 49. ***Macroscytus*** Fieber, 1861

59. *Macroscytus brunneus* (Fabricius, 1803)

60. *Macroscytus subaeneus* (Dallas, 1851)

Genus 50. ***Cydnus*** Fabricius, 1803

61. *Cydnus indicus* Westwood, 1837

Genus 51. ***Geotomus*** Muls. & Rey., 1866

62. *Geotomus pygmaeus* (Dallas, 1851)

Family IV. DINIDORIDAE

Genus 52. ***Coridius*** Illiger 1807

63. *Coridius brunneus* (Thunberg, 1783)

64. *Coridius ianus* (Fabricius, 1775)

Genus 53. ***Cyclopelta*** Amy. and Serv. 1843

65. *Cyclopelta sccifolia* (Westwood, 1837)

Genus 54. ***Megymenum*** Laporte, 1832

66. *Megymenum brevicorne* Fabricius, 1787*

Family V. SCUTELLERIDAE

Genus 55. ***Chrysocoris*** Hahn, 1843

67. *Chrysocoris purpureus* (Westwood, 1837)

68. *Chrysocoris simplex* Atkinson, 1889*

Genus 56. ***Scutellera*** Lam., 1801

69. *Scutellera fasciata* (Panz., 1798)

Genus 57. ***Fitha*** Walker 1867

70. *Fitha ardens* Walker, 1867*

Family VI. TESSARATOMIDAE

Genus 58. ***Tessaratoma*** Lep. and Serv., 1825

71. *Tessaratoma javanica* (Thunberg, 1783)

Family VII. PLATASPIDAE

Genus 59. ***Megacopta*** Hsiao and Jen, 1977

72. *Megacopta cibraria* (Fabr., 1798)

73. *Megacopta ceylonicum* (Dohrn, 1860)*

Superfamily III. COREOIDEA

Family VIII. COREIDAE

Subfamily X. COREINAE

Division 1. **Mictaria**

Genus 60. ***Anoplocnemis*** Stal, 1873

74. *Anoplocnemis phasiana* (Fabricius, 1781)

Division 2. **Petascelaria**

Genus 61. ***Petillopsis*** Hsiao, 1963

75. *Petillopsis calcar* (Dallas, 1852)

Division 3. **Brachytaria**

Genus 62. ***Brachytes*** Westwood, 1842

76. *Brachytes bicolor* Westwood, 1842

Division 4. **Homeoceraria**

Genus 63. ***Homoeocerus*** Burmeister, 1835

77. *Homoeocerus picturatus* Distant, 1918*

78. *Homoeocerus laevilineus* Stal, 1873

79. *Homoeocerus albiguttulus* Stal, 1873*

80. *Homoeocerus signatus* (Walker, 1871)

Genus 64. ***Aschistocoris*** Bergroth, 1909

81. *Aschistocoris brevicornis* (Dallas 1852)*

Genus 65. ***Physomerus*** Burmeister, 1835

82. *Physomerus grossipes* (Fabricius, 1794)

Genus 66. ***Petalocnemis*** Stal, 1854

83. *Petalocnemis obscura* (Dallas, 1852)

Genus 67. ***Acanthocoris*** Amyot & Serville, 1843

84. *Acanthocoris scabrator* (Fabricius, 1803)

Division 6. **Gonoceraria**

Genus 68. ***Cletus*** Stal, 1860

85. *Cletus bipunctatus* (Westwood, 1840)

86. *Cletus punctulatus* (Westwood, 1842)*

87. *Cletus punctiger* (Dallas, 1852)*

Genus 69. ***Cletomorpha*** Mayar,1866

88. *Cletomorpha hastata* (Fabricius,1787)

Subfamily XI. HYDARINAE

Genus 70. ***Hydarella*** Bergroth, 1925

89. *Hydarella orientalis* (Distant, 1902)*

Subfamily XII. PSUDOPHLOCINAE

Genus 71. ***Clavigralla*** Spinola, 1837

90. *Clavigralla gibbosa* Spinola, 1837

Genus 72 ***Gralliclava*** Dolling,1978

91. *Gralliclava horrens* Dohrn, 1860*

Genus 73. ***Neohoplolomia*** Distant, 1913

92. *Neohoplolomia typica* Distant, 1913*

Family IX. STENOCEPHALIDAE

Genus 74. ***Dicranocephalus*** Hahn, 1826

93. *Dicranocephalus lateralis* (Signoret, 1879)

Family X. ALYDIDAE

Subfamily XIII. MICRELYTERINAE

Genus 75. ***Leptocorisa*** Latreille, 1829

94. *Leptocorisa oratoria* (Fabr., 1794)

95. *Leptocorisa acuta* (Thunberg, 1783)

Subfamily XIV. ALYDINAE

Genus 76. ***Nariscus*** Stal, 1866

96. *Nariscus fisheri* (Distant, 1908)

Genus 77. ***Tenosius*** Stal, 1859

97. *Tenosius proletarius* (Schaum, 1853)*

Genus 78. ***Riptortus*** Stal, 1860

98. *Riptortus pedestris* (Fabricius, 1775)

99. *Riptortus linearis* (Fabricius, 1775)*

Family XI. RHOPHALIDAE

Subfamily XV. RHOPHALINAE

Genus 79. ***Liorhyssus*** Stal, 1870

100. *Liorhyssus rubicundus* (Signoret, 1859)

101. *Liorhyssus hyalinus* (Fabricius, 1794)*

Subfamily XVI. SERINATHINAE

Genus 80. ***Leptocrios*** Hahn, 1831

102. *Leptocoris augur* (Fabricius, 1781)

Superfamily IV. LYGAEOIDEA

Family XII. LYGAEIDAE

Subfamily XVII. RHYPAROCHROMINAE

Tribe **Rhyparochromini**

Genus 81. ***Metochus*** Scott, 1874

103. *Metochus uniguttatus* (Thunberg, 1922)

Genus 82. ***Elasmolemus*** Stål, 1872

104. *Elasmolemus sordidus* (Fabricius, 1787)

105. *Elasmolemus paralineosus* Mukhopadhyay, 1988*

Genus 83. ***Rhyparothesus*** Scudder, 1962

106. *Rhyparothesus orientalis* (Distant, 1904)*

107. *Rhyparothesus sparsus* (Distant, 1904)

108. *Rhyparothesus kangricus* (Kirkaldy, 1907)

109. *Rhyparothesus dudgeoni* (Distant, 1909)

Genus 84. ***Dieuches*** Dohrn, 1860

110. *Dieuches insignis* (Distant, 1904)

111. *Dieuches femoralis* (Distant, 1904)*

112. *Dieuchus leucocerus* (Walker, 1872)

113. *Dieuchus coloratus* (Distant, 1909)

Genus 85. ***Lachnesthus*** Scudder, 1962

114. *Lachnesthus singalensis* (Dohrn, 1860)

Tribe **Myodocini**

Genus 86. ***Pseudopachybrachius*** Malipatil, 1978

115. *Pseudopachybrachius guttus* (Dallas, 1852)

Genus 87. ***Horridipamera*** Malipatil, 1978

116. *Horridipamera nietneri* (Dohrn, 1860)

Genus 88. ***Paraeucosmetus*** Malipatil, 1978

117. *Paraeucosmetus pallicornis* (Dallas, 1852)

Genus 89. ***Paromius*** Fieber, 1860

118. *Paromius exiguous* (Distant, 1883)*

Tribe **Lethaeini**

Genus 90. ***Adauctus*** Distant, 1909

119. *Adauctus cupres* Distant, 1909

Tribe **Antillocorini**

Genus 91. ***Lamproceps*** Reuter 1882

120. *Lamproceps indica* (Dall, 1852)

Subfamily XVIII. ORSILLINAE

Genus 92. ***Nysius*** Dallas, 1852

121. *Nysius ceylanicus* (Motschulsky, 1863)

122. *Nysius minor* Distant

123. *Nysius laucustrinus* Distant, 1909

124. *Nysius inconspicuous* Distant, 1902

Subfamily XIX. LYGAEINAE

Genus 93. ***Spilostethus*** Stål, 1868

125. *Spilostethus pandurus militaris* (Fabricius, 1775)

126. *Spilostethus hospes* (Fabricius, 1794)

Genus 94. ***Graptostethus*** Stål, 1868

127. *Graptostethus servus* (Fabricius, 1787)

128. *Graptostethus maculatus* (Dallas, 1852)*

129. *Graptostethus argentatus* (Fabricius, 1803)

130. *Graptostethus trisignatus* Distant, 1904*

Subfamily XX. HETEROGASTRINAE

Genus 95. ***Epibomius*** Distant, 1909

131. *Epibomius pusa* Distant, 1909

Genus 96. *Lygaeosoma* Spin.,1840

132. *Lygaeosoma pusillum* (Dallas, 1852)

Genus 97. ***Aspilocoryphus*** Stal 1894

133. *Aspilocoryphus mendicus* Fabricius, 1775*

Subfamily XXI. **OXYCARENINAE**

Genus 98. *Oxycarenus* Fieber, 1837

134. *Oxycarenus laetus* Walker, 1872

Subfamily XXII. **GEOCORINAE**

Genus 99. ***Geocoris*** Fallen, 1814

135. *Geocoris ochropterus* Fieber, 1844

136. *Geocoris jucundus* Fieber, 1861*

Subfamily XXIII. **CYMINAE**

Genus 100. ***Cymus*** Stal, 1874

137. *Cymus tabidus* Stal 1874*

Subfamily XXIV. BLISSINAE

Genus 101. ***Blissus*** Stal 1872

138. *Blisus gibbus* Fabricius 1794

Superfamily V PYRRHOCOROIDEA

Family XIII LARGIDAE

Genus 102. ***Iphita*** Stal, 1870

139. *Iphita limbata* Stal, 1870*

Genus 103. ***Macroceroea*** Spinola, 1837

140. *Macroceroea grandis* (Gray)*

Genus 104. ***Physopelta*** Amy. & Serv., 1843

141. *Physopelta gutta* (Burmister, 1834)*

142. *Physopelta schlansbuschi* (Fabricius)*

Family XIV PYRRHOCORIDAE

Genus 105. ***Antilochus*** Stal, 1863

143. *Antilochus coqueberti* (Fabricius)

144. *Antilochus russus* Stal*

Genus 106. ***Dysdercus*** Amy. & Serv., 1843

145. *Dysdercus evanescens* Distant

146. *Dysdercus koenigii* (Fabricius)

147. *Dysdercus olivaceus*, Fabricius 1798*

Genus 107. ***Euscopus*** Stal 1870

148. *Euscopus indecorus* (Walker)*

149. *Euscopus albatus* Distant 1909

Genus 108. ***Pyrrhopeplus*** Stal, 1870

150. *Pyrrhopeplus posthumus* Horvath*

Genus 109. ***Melamphaus*** Stal 1868

151. *Melamphaus rubrocinctus* Stal *

Genus 110. ***Odontopus*** Laporte, 1832

152. *Odontopus nigricornis* Stal

Genus 111. ***Sanctius*** Stal 1865

153. *Scantius forsteri* Gerstacker*

154. *Scantius volucris* Gerataeck 1873

SYSTEMATIC ACCOUNT

Key to the Infraorder of the suborder HETEROPTERA

1. Hemelytra often with costal fracture and cuneus; hind wings with R and M joining distally; abdominal venter without trichobotheria .... Cimicomorpha

– Hemelytra without costal fracture and cuneus; hind wings with R and M seperate distally; abdominal venter usually with trichobotheria ..... Pentatomomorpha

Infraorder CIMICOMORPHA

Family REDUVIIDAE

Key to the subfamilies of the family REDUVIIDAE

1. Ocelli present 2

– Ocelli absent ..... TRIBELOCEPHALINAE

2. Hemelytra with a quadrangular areolet or cell at interior area of corium near base of membrane .....HARPACTORINAE

– Hemelytra without a quadrangular areolet or cell at interior area of corium near base of membrane 3

3. Hemelytra with a discoidal areolet or cell somewhat hexangular and touching base of membrane or largely triangular ....STENOPODANIAE

– Hemelytra without a discoidal areolet or cell. 4

4. Scutellum with its apex broad and 2 or 3 spined.....ECTRICHODIINAE

– Scutellum with its apex triangular or subtriangular..... 5

5. Pronotum constricted behind middle..... ..... PEIRATINAE

– Pronotum constricted before or near middle. .....REDUVIINAE

Subfamily I. TRIBELOCEPHALINAE

Genus 1. ***Tribelocephala*** Stal, 1853

1853. *Tribelocephala* Stal, *Ofv. Vet.-Ak. Forh.,* p. 220.

1. ***Tribelocephala indica*** (Walker, 1873) (Fig. 1)

1873. *Opistoplatys indica* Walker, *Cat. Het.*, **8** : 20.

2006. *Tribelocephala indica* : Ambrose, *Zoos' Print Journ.*, **21**(9): 27.

Material examined: 1ex., Bhor, Dist. Pune, 28.X.2012, coll. K. Chandra, B. Mitra and party; 1ex., Bihamasankar W.L.S., Dist. Pune,1.X.2012, coll. K. Chanrdra, B. Mitra and party; 1ex., Kumbharwada, Ambehally ghat, Dist. Raigad, 1.VI.1982, coll. B. Dutta; 2exs., Tadoba National Park, Tadoba and around, Dist. Chandrapur, 29.IX.1994, coll. R.M. Sharma and party.

Distribution: India: Maharashtra (Chandrapur, Pune, Raigad), Chhattisgarh, West Bengal. *Elsewhere*: Sri Lanka.

Subfamily II. HARPACTORINAE

Key to the genera of the Subfamily HARPACTORINAE

1. Anterior femora always spinous .... ***Polididus*** Stål

– Anterior femora not spinous.....2

2. Femora nodulose 3

– Femora unarmed and flat ....***Rhynocoris*** Kolenati

3. Second segment of rostrum longer than head and first segment; first segment of antennae about as long as anterior femora..... .....***Cosmolestes*** Stål

– Rostrum with first and second segments variable in length, usually shorter; first segment of antennae almost as long as head..... ..... ***Coranus*** Curtis

Genus 2. ***Polididus*** Stål, 1858

1858. *Polididus* Stål, *Ofv. Vet.-Ak. Forh.,* : 448.

2. ***Polididus armatissimus*** Stål, 1859
(Fig. 2)

1859. *Polididus armatissimus* Stal, *Ofv. Vet.-Ak. Forh.,* : 376.

2006. *Polididus armatissimus* : Ambrose, *Zoos' Print Journ.*, **21**(9): 11

Material examined: 2exs., Bhor, Dist. Pune, 28.X.2012, coll. K.Chandra, B. Mitra and party;1ex., Bihamasankar W.L.S., Dist. Pune,1.X.2012, coll. K. Chanrdra, B. Mitra and party; 4exs., Radhanagiri, Dist. Kolhapur, 23.IV.2014, coll. M.E. Hassan and party; 1ex., Mardi, Dist. Sholapur, 17.VI.2014, coll. M.E. Hassan and party; 1ex., Ukshi, Dist. Ratnagiri, 1.VII.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Pune, Kolhapur, Sholapur, Ratnagiri), Chhattisgarh Tamil Nadu, West Bengal. *Elsewhere*: China, Japan, Sri Lanka.

Genus 3. ***Rhynocoris*** Kolenati, 1857

1857. *Rhynocoris* Kolenati, *Fascia Bulletin Moscou*, **29** : 419-502.

Key to the species of the genus *Rhynocoris* Kolenati

1. Posterior lobe of pronotum distinctly sculptured and corium rugulose 2

– Posterior lobe of pronotum not or very obscurely sculptured and corium not rugulose..... ..... ***costalis*** (Stal)

2. Body sanguineous; labium with basal segment equals to anteocular; anterior lobe of pronotum without discal tubercles..... . .....***marginatus*** (Fabricius)

3. Body black; labium with basal segment longer than anteocular; anterior lobe of pronotum with two small discal tubercles..... ***squalus*** Distant

3. ***Rhynocoris costalis*** (Stål, 1866)
(Fig. 3)

1866. *Reduvius costalis* Stål, *Ofv. K. Vet. Ak. Forh.*, **23** : 285.

2006. *Rhynocoris costalis,* Ambrose, *Zoos' Print Journal,* **21**(9) : 11.

Material examined: 1ex., Yavatmal, Dist Yavatmal, 19.III.2006, coll. Dr. R.H. Kamble.

Distribution: India: Maharashtra (Yavatmal), Assam, West Bengal, Andhra Pradesh. *Elsewhere*: Celebes, Myanmar, Malay Peninsula.

4. ***Rhynocoris marginatus*** (Fabricius, 1794)
(Fig. 4)

1794. *Reduvius marginatus* Fabricius, *Ent. Syst.,* **4 :** 196.

2010. *Rhynocoris marginatus*: Biswas and Bal, *Fauna of Uttarakhand, State Fauna Series*, **18** : 260.

Material examined: 2exs.Viladghat, Dist. Ahmednagar, 8.XI.2012, coll. M.E. Hassan and party; 9exs., Koregaon, Dist. Pune, 11.I.1968, coll. R.N. Chopra; 1ex., Empress garden, Dist. Pune, 26.VIII.1963, coll. R.N. Chopra; 5exs., Kundkhud, Dist. Buldhana, 15.XI.2005, coll. Dr. S.N. Patil; 1ex., Katraj road, Dist. Pune, 15.III.2006, coll. R.H. Kamble; 5exs., Tadoba National Park, Ramdegi and around, Dist. Chandrapur, 7.XII.1996, coll. Dr. R.M. Sharma and party; 2exs., Dhadtank and around, Dist. Buldhana, 22.XI.2005, coll. Dr. S.N. Patil and party; 4exs., Pimprigarvadi site, Nalganga Dam, Dist. Buldhana, 16.XI.2005, coll. S.G. Patil and party; 1ex., Pandhen Kawada, Dist. Yavatmal, 16.III.2006, coll. R.H. Kamble; 1ex., Paud village, Dist. Pune, 25.XI.1964, coll. B.S. Lamba; 2exs., Kalhar, Dist. Thane, 11.VI.1982, coll. B. Dutta.

Distribution: India: Maharashtra (Ahmednagar, Buldhana, Chandrapur, Pune, Thane, Yavatmal), Andhra Pradesh, Chhattisgarh, Delhi, Uttar Pradesh, Uttarakhand. *Elsewhere*: China, Sri Lanka.

*5. ***Rhynocoris squalus*** Distant, 1904
(Fig. 5)

1904. *Rhynocoris squalus* Distant, *Fauna Brit. India*, *Rhynchota*, **2** : 333.

2006. *Rhynocoris squlus,* Ambrose, *Zoos' Print Journal,* **21**(9) : 12.

Material examined: 3exs., Fulzari and around, Dist. Nagpur, 13.XII.1995, coll. Dr. R.M. Sharma and party;12exs., Panchadara, Dist. Thane, 10.VIII.1995, coll. Dr. S.G. Patil; 3exs., Tadoba National Park, Ramdegi and around, Dist. Chandrapur, 7.XII.1996, coll. Dr. R.M. Sharma and party.

Distribution: India: Maharashtra (Channdrapur, Nagpur), Kashmir, Punjab, Sikkim. *Elsewhere*: Bangladesh, Pakistan.

Genus. 4. ***Cosmoslestes*** Stål, 1866

1866. *Cosmoslestes* Stål, *Ofv. Vet.-Ak. Forh.,* : 285.

6. ***Cosmoslestes annulipes*** Distant, 1879
(Fig. 6)

1879. *Cosmoslestes annulipes* Distant, *A.M.N.H.,*(5)3: 132.

1904. *Cosmoslestes annulipes* Distant, *Fauna of Brit. India, Rhynchota,* **2** : 346.

Material examined: 1ex.,Viladghat, Dist. Ahmednagar, 8.XI.2012, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Ahmednagar), Assam, Meghalaya: *Elsewhere*: Myanmar.

Genus 5. ***Coranus*** Curtis, 1833

1833. *Coranus* Curtis, *Brit. Ent.,* **10** : 453.

7. ***Coranus fuscipennis*** Reuter, 1881
(Fig. 7)

1881. *Coranus fuscipennis* Reuter, *Acta Soc. Sci. Fenn.*, **12** : 275.

1904. *Coranus fuscipennis*, Distant, *Fauna Brit. India*, *Rhynchota*, **2**: 381.

2006. *Coranus fuscipennis*, Ambrose, *Zoos' Print Journal,* **21** (9) : 7.

Material examined: 1ex., Hivra wardha, Dist. Yavatmal, 8.III.2006, coll. R.H. Kamble; 1ex., Bodhal zeera and around, Dist. Ratnagiri, 2.XII.1995, coll. Dr. R.M. Sharma; 2exs., Kutrewadi, Dist. Sholapur, 18.VI.2014, M.E. Hassan and party.

Distribution: India: Maharashtra (Yavatmal, Sholapur), Tail Nadu. *Elsewhere*: China, Indonesia.

Subfamily III. STENOPODAINAE

Key to the genera of the Subfamily STENOPODINAE

1. Apical spine to scutellum laterally produced, nither erect nor suberect : anterior femora incrassated or spined beneath..... 2
– Apical spine to scutellum erect or suberect : anterior femora neither incrassated nor spined beneath ..... ***Thodelmus*** Stål
2. Anterior femora with a single series of small spines beneath..... ***Oncocephalus*** Klug
– Anterior femora with two series of small spines beneath .....***Sastrapada*** Amyot and Serville

Genus 6. ***Thodelmus*** Stål, 1859

1859. *Thodelmus* Stål, *Ofv. Vet.-Ak. Forh.*: 377.

8. ***Thodelmus falleni*** Stål, 1859
(Fig. 8)

1859. *Thodelmus falleni* Stål, *Ofv.Vet.-Ak.Forh.*: 378.

1904. *Thodelmus falleni* Distant, *Fauna Brit. India, Rhynchota,* **2**: 236.

Material examined: 1ex., Bhor, Dist. Pune, 28.X.2012, coll. K.Chandra, B. Mitra and party.

Distribution: India: Maharashtra (Pune), Tamil Nadu. *Elsewhere*: Myanmar, Sri Lanka.

Genus 7. ***Oncocephalus*** Klug, 1830

1830. *Oncocephalus* Klug, *Symb. Phys.* 2[e].

Key to the species of the Genus *Oncocephalus* Klug

1. Anteocular portion of head longer, but not twice the length of postocular are. .... ***impudicus*** Reuter
– Anteocular portion of head twice the length of postocular area..... ***schioedtei*** Reuter

9. ***Oncocephalus impudicus*** Reuter, 1882
(Fig. 9)

1882. *Oncocephalus impudicus* Reut., *Act. Soc. Sc. Fenn.*, **12** : 715.

2006. *Oncocephalus impudicus*: Ambrose, *Zoos' Print Journ.*, **21**(9) : 25.

Material examined: 1 ex., Hislop college campus, Dist. Nagpur, 18.IX.2013, coll. M.E. Hassan and party; 1ex., Mardi, Dist. Sholapur, 17.VI.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Nagpur), Chhattisgarh, West Bengal. *Elsewhere*: China, Indonesia, Sri Lanka, Philippines, Myanmar.

10. ***Oncocephalus schioedtei*** Reuter, 1882
(Fig. 10)

1882. *Oncocephalus schioedtei* Reut., *Act. Soc. Sc. Fenn.*, **12** : 702.

2006. *Oncocephalus schioedtei* : Ambrose, *Zoos' Print Journ.*, **21**(9) : 25.

Material examined: 1ex., Bhor, Dist. Pune, 28.X.2012, coll. K. Chandra, B. Mitra and party; 1ex., R.H. Totladoh and around, Dist. Nagpur, 18.IX.1995, coll. Dr. R.H. Kamble.

Distribution: India: Maharashtra (Nagpur, Pune), Chhattisgarh, West Bengal, Tamil Nadu. *Elsewhere*: Myanmar.

Genus 8. ***Sastrapada*** Amyot and Serville, 1843

1843. *Sastrapada* Amyot & Serville, *Histoire Naturelle des Insects Hemipteres Libraire Encyclopedique de Roret*, Paris: Fain et Thunot., 388 pp

11. ***Sastrapada baerensprungi*** (Stål, 1859)
(Fig. 11)

1859. *Harpagochares baerensprungi* Stål, *Ofv. K. Vet. Ak. Forh.*, **16** : 381.

1904. *Sastrapada baerensprungi*, Distant, *Fauna Brit. India*, *Rhynchota*, **2**: 224-225.

2006. *Sastrapada baerensprungi*, Ambrose, *Zoos' Print Journal,* **21**(9) : 25.

Material examined: 1ex., Hathigota tunnel, Dist. Gadchiroli, 17.IX.1995, R.H. Kamble.

Distribution: India: Maharashtra (Gadchiroli), Tamil Nadu. *Elsewhere*: Algeria, Australia, Ethiopia, Greece, Italy, Israel, Madagascar, Malayan Archipelago, Sri Lanka, Timor.

Subfamily IV. ECTRICHODIINAE

Genus 9. ***Scadra*** Stål, 1859

1859. *Scadra* Stål, *Ofv. Vet.–Ak. Forh.*: 176 & 182.

Key to the species of the Genus *Scadra* Stal

1. Neither antennae nor tibiae annulated..... .....***fuscicrus*** Stål
– Both antennae and tibiae annulated..... .....***annulipes*** Reuter

12. ***Scadra fuscicrus*** Stal, 1859
(Fig. 12)

1859. *Scadra fuscicrus* Stål, *Ofv. Vet.–Ak. Forh.*: 183.

2007. *Scadra fuscicrus*: Biswas *et al.*, *Fauna of Andhra Pradesh, State Fauna Series*, **5**(Part-3) : 340.

Material examined: 1ex., Hislop college campus, Dist. Nagpur, 18.IX.2013, coll. M.E. Hassan and party; 2exs., Totladoh forest rest house, Dist Nagpur, 10.X.1996, coll. Dr. A.S. Mahabal and party.

Distribution: India: Maharashtra (Nagpur), Andhra Pradesh, Chhattisgarh, Meghalaya. *Elsewhere*: Sri Lanka.

13. ***Scadra annulipes*** Reuter, 1881
(Fig. 13)

1881. *Scadra annulipes* Reuter, *Act. Soc. Sc. Fenn.,* **12**: 309.

2006. *Scadra annulipes*: Ambrose, *Zoos' Print Journ.*, **21**(9) : 4.

Material examined : 1ex., Bhor, Dist. Pune, 28.X.2012, coll. K. Chandra, B. Mitra and party.

Distribution: India: Maharashtra (Pune), Chhattisgarh, Kerala, Tamil Nadu, West Bengal.

Subfamily V. PEIRATINAE

Key to the genera of the Subfamily PEIRATINAE

1. Antennae inserted near or not remote from eyes; intermediate tibiae usually provided with a spongy furrow..... 2
– Antennae inserted remotely from eyes; intermediate tibiae without spongy furrow..... ..... ***Sirthenea*** Spinola
2. Pronotum smooth, or with posterior lobe finely granulate..... 3
– Pronotum tuberculously granulate..... .....***Catamiarus*** Amyot and Serville
3. Anterior tibiae ampliated and incrassated..... 4
– Anterior tibiae normal, not ampliated and incrassated..... ***Ectomocoris*** Mayr

4. Pronotum transversely constricted at about one-third from the base ..... ***Cleptocoris*** Stål
– Pronotum transversely constricted near middle ..... ***Lestomerus*** Amyot and Serville

Genus 10. ***Sirthenea*** Spinola, 1840

1840. *Sirthenea* Spinola, *Ess. Hem.,* 100 pp.

*14. ***Sirthenea flavipes*** (Stål, 1855)
(Fig. 14)

1855. *Rasahus flavipes* Stål, *Ofv. K. Vet. Ak. Forh.*, **12** : 187.
1904. *Sirthenea flavipes,* Distant, *Fauna Brit. India*, *Rhynchota*, **2** : 303-304.
2006. *Sirthenea flavipes,* Ambrose, *Zoos' Print Journal,* **21**(9): 18.

Material examined: 1ex., Rest House, Tadoba National Park, Dist. Chandrapur, 21.III.1999, Dr. R.M. Sharma.

Distribution: India : Maharashtra (Chandrapur), Nagaland, Tamil Nadu. *Elsewhere*: China, Hongkong, Indonesia, Japan, Philippines, SriLanka,

Genus 11. ***Catamiarus*** Amyot and Serville, 1843

1843. *Catamiarus* Amyot and Serville, *Histoire Naturelle des Insects Hemipteres Libraire Encyclopedique de Roret*, Paris: Fain et Thunot., 323 pp.

15. ***Catamiarus brevipennis*** (Serville, 1831)
(Fig. 15)

1831. *Peirates brevipennis* Serville, *Ann. Sc. Nat.*, **23** : 217.
1904. *Catamiarus brevipennis*, Distant, *Fauna Brit. India*, *Rhynchota*, **2** : 302-303.
2006. *Catamiarus brevipennis*, Ambrose, *Zoos' Print Journal,* **21**(9) : 15.

Material examined: 1ex., small hill near Saswad road, Dist. Pune, 4.I.1964, coll. R.N. Chopra; 2exs., Chikhali ghats and around, Dist. Beed, 15.IX.2006, coll. Dr. D.B. Bastawade.

Distribution: India : Maharashtra (Beed, Pune), Cutch, Bangalore, Haridwar, Mysore, Tamil Nadu.

Genus 12. ***Ectomocoris*** Mayr, 1865

1865. *Ectomocoris* Mayr, *Verh. Zool. Bot. Ges. Wien.*, **15** : 438.

Key to the species of the genus *Ectomocoris* Mayr

1. Body elongate; head anteriorly produced and as long as anterior lobe of pronotum; pronotum unicolorous ..... ***tibialis*** Distant
– Body moderately elongate; head not distinctly produced and not as long as anterior lobe of pronotum; pronotum bicolorous .... ***quadriguttatus*** (Fabricius)

16. ***Ectomocoris tibialis*** Distant, 1904
(Fig. 16)

1904. *Ectomocoris tibialis* Distant, *Fauna Brit. India*, *Rhynchota*, **2**: 293.
2006. *Ectomocoris tibialis*, Ambrose, *Zoos' Print Journal,* **21**(9) : 17.

Material examined: 2exs., 3kms from Sinhagad, Dist. Pune, 23.V.1979, coll. Dr. M.S. Pradhan.

Distribution: India : Maharashtra (Pune), Punjab, Sikkim, Tamil Nadu.

17. ***Ectomocoris quadriguttatus*** (Fabricius, 1781)
(Fig. 17)

1781. *Reduvius quadriguttatus* Fabricius, *Spec. Ins.*, **2** : 380.
1904. *Ectomocoris quadriguttatus*, Distant, *Fauna Brit. India*, *Rhynchota*, **2**: 293-294.
2006. *Ectomocoris quadriguttatus*, Ambrose, *Zoos' Print Journal,* **21**(9) : 16-17.

Material examined: 1ex., on the way to Udgir vilarga, Dist. Latur, 27.IX.06, coll. Dr. D.B. Bastawade.

Distribution: India : Maharashtra (Latur), Puducherry, West Bengal.

Genus 13. ***Cleptocoris*** Sal, 1866

1866. *Cleptocoris* Stål, *Ofv. Vet.-Ak. Forh.*, p.262**.**

18. ***Cleptocoris atromaculatus*** Stål, 1870
(Fig. 18)

1870. *Cleptocoris atromaculatus* Stål, *Ofv. Vet.-Ak. Forh.*, p. 692.
2006. *Cleptocoris atromaculatus* **:** Ambrose, *Zoos' Print Journ.*, **21**(9): 15.

Material examined: 1ex., Bhor, Dist. Pune, 28.X.2012, coll. K. Chandra, B. Mitra and party; 2exs, Bodhal Zeera and around, Dist. Ratnagiri, 2.XII.1995, coll. Dr. R.M. Sharma.

Distribution: India: Maharashtra (Pune), Assam, Chhattisgarh Meghalaya, Nagaland. *Elsewhere*: Sri

Lanka, Myanmar, Indonesia, China, Hong Kong, Japan and Philippines.

Genus 14. ***Lestomerus*** Amyot and Serville, 1843

1843. *Lestomerus* Amyot & Serville, *Histoire Naturelle des Insects Hemipteres Libraire Encyclopedique de Roret*, Paris: Fain et Thunot., 322 pp.

*19. ***Lestomerus sanctus*** (Fabricius, 1787) (Fig. 19)

1787. *Reduvius sanctus* Fabricius, *Mantissa Insectorum*, **2** : 310.

2006. *Lestomerus sanctus*, Ambrose, *Zoos' Print Journal,* **21**(9) : 17.

Material examined: 2exs., Sanjoy Gandhi National Park, Borivelli, Tebipada, Dist. Mumbai, 30.V.1996, coll. Dr. P.D. Pane and party.

Distribution: India : Maharashtra (Mumbai), Punjab, Tamil Nadu, West Bengal. *Elsewhere*: Myanmar, Sri Lanka.

Subfamily VI REDUVIINAE

Key to the genera of the Subfamily REDUVIINAE

1. Anteocular and postocular area of head are variable in length.....2
– Anteocular area and postocular area of head are equal in length .... ***Acanthaspis*** Amyot and Serville
2. Anteocular area of head longer than postocular area; anterior femora unarmed..... ..... ***Reduvius*** Fabricius
– Anteocular area of head shorter than postocular area; anterior femora spinous..... ..... ***Gerbelius*** Distant

Genus 15. ***Acanthaspis*** Amyot and Serville, 1843

1843. *Acanthaspis* Amyot & Serville, *Histoire Naturelle des Insects Hemipteres Libraire Encyclopedique de Roret*, Paris: Fain et Thunot., 336 pp.

*20. ***Acanthaspis micrographa*** Walker, 1873 (Fig. 20)

1873. *Acanthaspis micrographa*Walker, *Catalogue of the specimens of Hemiptera: Heteroptera in the collection of the British Museum,* Part VII : 177.

2006. *Acanthaspis micrographa*, Ambrose, *Zoos' Print Journal,* **21**(9) : 19.

Material examined: 1ex., Anudh, Dist. Pune, 27.VI.1963, coll. R.N. Chopra.

Distribution: India : Maharashtra (Pune), North India.

Genus 16. ***Reduvius*** Lamarck, 1801

1801. *Reduvius* Lamarck, *Syst.,*: 204.

21. ***Reduvius angiportus*** Distant, 1904 (Fig. 21)

1904. *Reduvius angiportus* Distant, *Fauna of Brit.. India, Rhynchota,* **2** : 253.

Material examined: 1ex., Bihamasankar W.L.S., Dist. Pune, 1.x.2012, coll. K. Chanrdra, B. Mitra and party.

Distribution: India: Maharashtra (Pune)

Genus 17. ***Gerbelius*** Distant, 1903

1903. *Gerbelius* Distant, *Ann. Soc. Ent. Belg.*, 59 pp.

22. ***Gerbelius ornatus*** Distant, 1903 (Fig. 22)

1903. *Gerbelius ornatus* Distant, *Ann. Soc. Ent. Belg.*, 59 pp.

2006. *Gerbelius ornatus,* Ambrose, *Zoos' Print Journal,* **21** (9) : 21.

Material examined: 1ex., Devrukh, Patan village, Dist. Satara, 10.I.1963, coll. Dr. B.K. Tikader.

Distribution: India : Maharashtra (Satara). *Elsewhere:* Sri Lanka.

Infraorder II PENTATOMORPHA

Key to the superfamilies of the Infraorder PENTATOMORPHA

1. Antennae usually five-segmented; meso-scutellum large reaching atleast to middle of the abdomen, sometimes covering the entire abdomen.....PENTATOMOIDEA
– Antennae with four segments; meso-scutellum small, not reaching the middle of the abdomen....2
2. Membrane with more than five branch longitudinal veins; legs usually strong..... ..... COREOIDEA

– Membrane with atmost five unbranched longitudinal veins; legs slender..... 3

3. Ocelli absent; antennae inserted below a line through middle of eyes..PYRRHOCOROIDEA

– Ocelli present in winged forms; antennae inserted above a line running through center of eyes..... LYGAEOIDEA

Superfamily II PENTATOMOIDEA

Key to the families of the superfamily PENTATOMOIDEA

1. Primary and subcostal veins of the wings remote, including a central broad area; humus present 2

– Primary and subcostal veins of the wings usually conterminal and diverging at apex, somewhat parallel: humus usually absent..... 3

2. Scutellum covering the whole of the hemelytra, excepting the extreme base of outer margin... .....SCUTELLERIDAE

– Scutellum of moderate size, corium always exposed, basal ventral segment almost completely covered by the metasternum; scutellum variable in size and shape. .....CYDNIDAE

3. Spiracle of basal ventral segment hidden by posterior margin of metasternum 4

– Spiracle of basal ventral segment not hidden by metasternum..... TESSARATOMIDAE

4. Scutellum extending to about or beyond middle of the abdomen, rarely shorter, if shorter the apex narrowed and only slightly produced behind the frena, membrane moderate or small. .....PENTATOMIDAE

– Scutellum never extending beyond middle of the abdomen, its apex broad, membrane very large..... DINIDORIDAE

Family II **PENTATOMIDAE**

Key to the subfamilies of the family PENTATOMIDAE

1. Basal labial segment thickened not concealed between bucculae..... ASOPINAE

– Basal labial segment not much thickened concealed between bucculae.....2

2. Tibiae sulcate on outer surface; tricobothria paired; first labial segment longer than bucculae; frena long; scutellum not reaching apex of abdomen.....PENTATOMINAE

– Tibiae not sulcate on outer surface; tricobothria single; frena short; scutellum U shaped reaching apex of abdomen. ..... PODOPINAE

Subfamily VII PENTATOMINAE

Tribe **Antestiini**

Genus 18. ***Plautia*** Stal, 1867

1867. *Plautia*, Stal*, Ofv. Vet.-Ak. Forh.*,:514.

23. ***Plautia crossota*** (Fabrricius, 1787) (Fig. 23)

1787. *Cimex fimbriata* Fabr., *Mant. Ins.*, **2** : 295.

1902. *Plautia fimbriata*: Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 181.

2002. *Plautiacrossota*: Rider *et al., ZOOSYST ROSSICA,* **2**: 144.

Material examined: 2 exs., Ecopoint, Khandala, Dist. Pune, 8.11.1963, B.K. Tikader; 1 ex., Babulgaon, Dist. Washim, N: 20.09012, E: 77.24936, 06.xi.2014, coll. M.E. Hassan and party; 3 eexs., Dagdumra, Dist. Washim, N: 19.93722, E: 77.40454, 06.xi.2014, coll. M.E. Hassan and party; 7 exs., Hatheri, Dist. Buldhana, N: 20.45751, E: 76.11568, 30.x.2014, coll. M.E. Hassan and party; 1 ex., Jamrunphata, Dist. Washim, N: 20.26851, E: 76.96403, 05.xi.2014, coll. M.E. Hassan and party; 7 exs., Kathoda, Dist. Amravati, N: 21.11332, E: 77.88556, 08.xi.2014, coll. M.E. Hassan and party; 1 ex., Lalkheri, Dist. Amravati, N: 20.94183, E: 77.60953, 10.xi.2014, coll. M.E. Hassan and party; 1 ex., Lohara, Dist. Osmanabad, N: 17.977580, E: 17.977580, 04.03.2015, coll. M.E. Hassan and party; 2 exs., Nidana, Dist. Jalna, N: 20.00408, E: 75.61889, 01.xi.2014, coll. M.E. Hassan and party; 5 exs., Pipalkhuta, Dist. Amravati, N: 20.87256, E: 77.93775, 09.xi.2014, coll. M.E. Hassan and party; 2 exs., Ramgaon, Dist. Amravati, N: 21.17508, E: 77.97894, 08.xi.2014, coll. M.E. Hassan and party; 2 exs., Tandarwadi, Dist. Buldhana, N: 20.84035, E: 76.16546, 30.x.2014, coll. M. E. Hassan and party; 1 exs., Aundha, Dist. Hingoli, N: 19.503146, E: 77.047806, 11.iii.2015, coll. M.E. Hassan and party; 2 exs., Chincholi, Dist. Nanded, N: 18.815981, E: 77.149035, 24.ii.2015, coll. M.E. Hassan and party; 1 ex., Ter, Dist. Osmanabad,

N: 18.321361, E: 76.135082, 02.iii.2015, coll. M.E. Hassan and party; 1 ex., Datara, Dist. Chandrapur, 6.ix.2013, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Amravati, Buldhana, Chandrapur, Hingoli, Jalna, Nanded, Osmanabad, Washim), Chhattisgarh, Sikkim, Himachal Pradesh, West Bengal. *Elsewhere*: Sri Lanka, Myanmar, Bhamo, Teinzo, Karennee, Malay Peninsula and Malayan Archipelago, Madagascar.

Tribe **Agonoscelidini**

Genus 19. ***Agonoscelis*** Spin., 1837

1837. *Agonoscelis* Spin., *Ess.,*: 327.

24. ***Agonoscelis nubilis*** (Fabricius, 1775)
(Fig. 24)

1775. *Cimex nubile* Fabr., *Syst. Ent*., 712.

1851. *Agonoscelis nubila*: Dall., *List. Hem*., **1**: 179.

1902. *Agonoscelis nubila*: Distant, *Fauna Brit. India*, *Rhynchota*, **1:** 189.

2002. *Agonoscelis nubilis*: Rider *et al.,* Rider *et al., Zoosyst Rossica*, **2**: 136.

Material examined: 2 exs.,on the way to Zolambi, Chandoli N.P., Dist Chanderpur, 05.iii.08, coll. D.B. Baswade; 1 ex., Bor WLS, Dist. Wardha, 13.ix.2013, Coll. M.E. Hassan and Party; 1 ex., Kathoda, Dist. Amravati, N: 21.11332, E: 77.88556, 08.xi.2014, coll. M. E. Hassan and party; 1 ex., Tandarwadi, Dist. Buldhana, N: 20.84035, E: 76.16546, 30.x.2014, coll. M. E. Hassan and party; 1 ex., Shirur, Dist. Latur, N: 18.323546, E: 76.716843, 28.ii.2015, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Amravati, Buldhana, Chanderpur, Latur, Wardha), Chhattisgarh, Jammu and Kashmir, Karnataka, Meghalaya, Nagaland, Tamil Nadu, Uttar Pradesh, West Bengal; *Elsewhere*: China, Japan, Malayan Peninsula, Myanmar, Pakistan, Sri Lanka.

Tribe **Carpocorini**

Key to genera of the tribe Carpocorini

1. Head large, convex and deflected downwards, narrowing at apex ; antennae sexually dimorphic-second antennal segment of male half the length of second antennal segment in female, first joint slender, incrassate, not reaching apex of head. .....*Aeliomorpha*

– Head medium, sometime little narrowed in front, rounded, lobes are of equal length or lateral slightly longer than the central and never meeting.....2

2. Odoriferous orifices on metasternum long, acuminate; margins of pronotum elevated or callous.....*Tolumnia*

– Odoriferous orifices on metasternum short, abruptly abbreviated.....3

3. Body glabrous, frena not extending beyond middle of scutellum; anterior lateral margin of pronotum not acutely reflexed; apex of mandibular plates not reflexed, clypeus equal to madibular plates apically..... *Codophila*

– Body withlongerect pilosity; frena extending beyond middle of scutellum; apex of mandibular plates slightly reflexed upwards, clypeus slightly shorter than mandibular plates.....*Dolycoris*

Genus 20. ***Tolumnia*** Stal, 1867

1867. *Tolumnia* Stal, *Ofv. Vet.-Ak. Forh*.,: 515.

*25. ***Tolumnia latipes*** (Dall.)
(Fig. 25)

1857. *Pentatoma latipes* Dallas, *List. Hem.,* **1**: 238.

2002. *Tolumnia latipes: Rider et al. ZOOSYST ROSSICA,* **2**: 145.

Material examined: 1ex., Kondhanpur, Falta, Satara road, Dist. Pune, 4.6.82, R.H. Kumble and party; 1 ex., Safepur, Dist. Beed, N: 18.610417, E: 75.897675, 06.iii.2015, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Beed, Pune), Assam, Karnataka, Kerala, Meghalaya, Nagaland, Sikkim, Tamil Nadu, Uttarakhand. *Elsewhere*: Hong Kong, Java, Malaya, Siam, Sumatra.

Genus 21. ***Codophila*** Muls. Rey, 1866

1866. *Codophila* Muls. and Rey, *Pun. France, Pent*., : 237.

26. ***Codophila macullicolis*** (Dallas, 1851)
(Fig. 26)

1851. *Codophila macullicolis* Dallas, *List. Hem.,* **1**: 234

1902. *Codophila macullicolis* Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 158.

Material examined: 1ex., Samsawadi, on the way to Telegaon, Dhandhare, Dist. Pune, 14.vi.1982, coll. D.B. Bastawade.

Distribution: India: Maharashtra (Pune), N. India, *Elsewhere*: Arabia and Abyssinia.

Genus 22. ***Aeliomorpha*** Stal, 1858.

1858. *Aliomorpha* Stal, *Ofv. Vet.- Ak. Forh*., 313.

27. ***Aeliomorpha lineaticollis*** (Westwood, 1837) (Fig. 27)

1837. *Pentatoma lineatocollis* Westwood *in Hope Cat*., **1**: 36.

1902. *Aliomorpha lineatocollis*: Distant, *Fauna Brit. India*, *Rhynchota*, **1** : 139.

Material examined: 1 ex., Govt. Agri. College, Dist. Nagpur; 1 ex., Kondwe, Dist. Satara, 16.ix.2012, Coll. M.E. Hassan and Party; 2 ex., Kayajungal, Kusumba, Dist. Dhule, 7.iii.2013, Coll. M.E. Hassan and Party; 1 ex., Hatheri, Dist. Buldhana, N: 20.45751, E: 76.11568, 30.x.2014, coll. M.E. Hassan and party; 1 ex., Pipalkhuta, Dist. Amravati, N: 20.87256, E: 77.93775, 09.xi.2014, coll. M.E. Hassan and party; 1 ex., Mirkala, Dist. Beed, N: 19.163634, E: 75.664902, 07.iii.2015, coll. M.E. Hassan and party; 1 ex., Kuruli, Dist. Pune, 21.ix.2012, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Amravati, Beed, Buldhana, Dhule, Nagpur, Pune), Bihar, Karnataka, Tamil Nadu, Uttar Pradesh, West Bengal. *Elsewhere*: Afghanistan, China, Israel, Syria, Pakistan, Sri Lanka.

Genus 23. ***Dolycoris*** Stal, 1872

1872. *Dolycoris* Stal, *Ofv. Vet.-Ak. Forh*., **3**: 38.

28. ***Dolycoris indicus*** Stal, 1876 (Fig. 28)

1876. *Dolycoris indicus* Stal, *En. Hem*., **5**: 76.

1902. *Dolycoris indicus*: Distant, *Fauna Brit. India*, **1**: 160.

2010. *Dolycoris indicus*: Biswas and Bal, *Fauna of Uttarakhand: State Fauna Series,* **18**(2): 234.

Material examined: 1 ex., Sawaryatel, Dist. Kholapur, 25.xii.2011, Coll. S.I Kazmiand party.

Distribution: India: Maharashtra (Kolhapur), Himachal Pradesh, Uttar Pradesh, Maharashtra, Nagaland, West Bengal, Karnataka.

Genus 24. ***Menida*** Motsch., 1861

1861. *Menida* Motsch, *Et. Ent*., **10**: 23

*29. ***Menida versicolor*** (Gmelin, 1790) (Fig. 29)

1787. *Cimex histrio* Fabr., *Mant. Ins.,* **2:** 296**.**

1902. *Menida histrio:* Distant**,** *Fauna Brit. India*, *Rhynchota*, **1**: 228.

2002. *Menida versicolor* : Rider *et al.*, *ZOOSYSTROSSICA*, **2**: 143

Material examined : 1 ex., Pipalkhuta, Dist. Amravati, N: 20.87256, E: 77.93775, 09.xi.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Amravati), Karnataka, Tamil Nadu, West Bengal. *Elsewhere*: China, Myanmar.

Tribe **Cappaeini**

Genus 25. ***Halyomorpha*** Mayr, 1864

1864. *Halyomorpha* Mayr, *Verh. z.–b. Ges. Wien*, **14**: 911.

30. ***Halyomorpha picus*** (Fabr.) (Fig. 30)

1794. *Cimex picus* Fabr., *Ent. Syst*., **4** :115.

1902. *Halyomorpha picus:* Distant, *Fauna Brit. India Rhynchota*, **1**: 152

Material examined: 1 ex., Govt. Agr. College, Dist. Nagpur, 16.ix.2013, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Nagpur), Himachal Pradesh, Khasi Hills, West Bengal, Karnataka, Kerala. *Elsewhere*: Sri Lanka, Karennee, Palon, Malayana, China, Japan.

Tribe **Eysarcorini**

Key to genera of the Tribe Eysarcorini

1. Apex of scutellum broadly rounded and passing beyond the middle of the abdomen *Eysarcoris*
– Apex of scutellum not broadly rounded, reaching about middle of the abdomen 2
2. Head acuminated towards apex, central lobe raised and prominent, apex slightly projecting beyond the lateral lobes, head and propleura devoid of short hairs..... *Hermolaus*
– Head broad not acuminate..... 3
3. Body elongated, more than 2 times as long as broad, sternum sucated ..... *Adria*
– Body elongated, more than two times as long as broad. 4

4. Head with central and lateral lobes about equal in length, scutellum a little longer than broad at base..... *Carbula*

– Head with lateral lobes a little longer than the central lobe but not meeting in front, scutellum about as long as broad at base.....*Neocarbula*

Genus 26. ***Hermolaus*** Distant, 1902

1902. *Hermolaus* Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 169.

31. ***Hermolaus typicus*** Distant, 1902
(Fig. 31)

1902. *Hermolaus typicus* Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 170.

Material examined: 2 exs., Babulgaon, Dist. Washim, N: 20.09012, E: 77.24936, 06.xi.2014, coll. M.E. Hassan and party; 1 ex., Dagdumra, Dist. Washim, N: 19.93722, E: 77.40454, 06.xi.2014, coll. M.E. Hassan and party; 3 exs., Tandarwadi, Dist. Buldhana, N: 20.84035, E: 76.16546, 30.x.2014, coll. M.E. Hassan and party; 1 exs., Aundha, Dist. Hingoli, N: 19.503146, E: 77.047806, 11.iii.2015, coll. M.E. Hassan and party; 1 ex., Digras, Dist. Hingoli, N:19.645477, E: 77.099991, 11.iii.2015, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Buldhana, Hingoli, Washim), Tamil Nadu.

Genus 27. ***Adria*** Stal, 1876

1876. *Adria* Stal, *En. Hem.*, **5:** 58.

32. ***Adria parvula*** Dallas, 1851
(Fig. 32)

1851. *Pentatoma parvula* Dallas, *List. Hem.*, **1:** 248.

1902. *Adria parvula*: Distant, *Fauna Brit. India, Rhynchota,* **1**: 139.

Material examined: 2exs., Ranidoh R.H., Pench National Park, Dist, Nagpur, 26.ix.1997, D.B. Bastawade and party; 1 ex., Mohagaon, Dist. Yawatmal, 11.ix.2013, Coll. M.E. Hassan and Party; 5 ex., Mohagaon, Dist. Yawatmal, 11.ix.2013, Coll. M.E. Hassan and Party; 1 ex., Agartakli, Dist. Nasik, 4.iii.2013, Coll. M.E. Hassan and Party; 1 ex., Gayanganga WLS, Dist. Buldhana, N: 20.63382, E: 76.39617, 29.x.2014, coll. M.E. Hassan and party; 1 ex., Hatheri, Dist. Buldhana, N: 20.45751, E: 76.11568, 30.x.2014, coll. M.E. Hassan and party; 3 exs., Nidana, Dist. Jalna, N: 20.00408, E: 75.61889, 01.xi.2014, coll. M.E. Hassan and party; 1 ex., Wagoli, Dist. Akola, N: 20.94067, E: 77.07046, 26.x.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Akola, Buldhana, Jalna, Nasik, Nagpur, Yawatmal), Chhattisgarh, Jharkhand, West Bengal. *Elsewhere*: Myanmar.

Genus 28. ***Carbula*** Stal, 1864

1864. *Carbula* Stal, *Hem. Afr.,* **1**: 140.

Key to the species of the genus *Carbula*

1. Lateral angles of pronotum sub-prominent, rounded, scutellum punctuate not transeversly wrinkled ..... *insocia*

– Lateral angles of pronotum strongly spinously produced 2

2. Scutellum with a small spot near each basal angle and the apical margin brown .... *.aspavia*

– Scutellum with a large spot at each basal angle and the apex impunctate..... *scutellata*

33. ***Carbula insocia*** (Walker, 1868)
(Fig. 33)

1868. *Eysarcoris insocia* Walker, *Cat. Het.,* **3 :** 556.

1902. *Carbula insocia* Distant, Fauna *Brit. India,* Rhynchota, **1**: 173.

Material examined: 1 ex., Loni, Dist. Pune, 1.2.82, R.H. Kamble and party; 7 ex., Bor WLS, Dist. Warda, 28.x.2012, Coll. M.E. Hassan and Party; 3 exs., Gayanganga WLS, Dist. Buldhana, N: 20.63382, E: 76.39617, 29.x.2014, coll. M.E. Hassan and party; 1 ex., Kathoda, Dist. Amravati, N: 21.11332, E: 77.88556, 08.xi.2014, coll. M.E. Hassan and party; 1 ex., Pipalkhuta, Dist. Amravati, N: 20.87256, E: 77.93775, 09.xi.2014, coll. M.E. Hassan and party; 2 exs. Antarwala, Dist. Jalna, N: 19.66691, E: 75.96359, 20.xi.2014, coll. M.E. Hassan and party; 1 ex., Lalkheri, Dist. Amravati, N: 20.94183, E: 77.60953, 10.xi.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Amravati, Buldhana, Jalna, Pune, Warda), Chhattisgarh, Karnataka, North West Himalayas.

34. ***Carbula biguttata*** Fabricius, 1794
(Fig. 34)

1794. *Coreusbiguttata* Fabricius, *Ent Syst*., **4**: 129.

1902. *Carbula biguttata* Distant, *Fauna Brit. India, Rhynchota,* **1**: 172.

Material examined: 1 ex., Jamrunphata, Dist. Washim, N: 20.26851, E: 76.96403, 05.xi.2014, coll. M.E. Hassan and party; 1 ex., Nidana, Dist. Jalna, N: 20.00408, E: 75.61889, 01.xi.2014, coll. M.E. Hassan and party

Distribution: India: Maharashtra (Jalna, Washim), N.W. Himalaya

35. ***Carbula scutellata*** Distant, 1887
(Fig. 35)

1887. *Carbula scutellata* Distant, *Tr. E.S.,*: 347.

1902. *Carbulascutellata* Distant, *Fauna Brit. India, Rhynchota,* **1** : 172.

Material examined: 1ex.,Artherseat, Mahabaleswar, Dist. Pune, 17.x. 1970, B.S. Lamba and party; 1 ex., Kalmeshwar, Dist. Nagpur, 18.ix.2013, Coll. M.E. Hassan and Party; 1 ex., Kondwe, Dist. Satara, 16.ix.2012, Coll. M.E. Hassan and Party; 1 ex., Gayanganga WLS, Dist. Buldhana, N: 20.63382, E: 76.39617, 29.x.2014, coll. M.E. Hassan and party; 1 ex., Kathoda, Dist. Amravati, N: 21.11332, E: 77.88556, 08.xi.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Amravati, Buldhana, Nagpur, Pune, Satara), Chhattisgarh, Meghalaya; *Elsewhere*: Myanmar.

Genus 29. ***Neocarbula*** Distant, 1918

1918. *Neocarbula* Distant, *Fauna Brit. India, Rhynchota,* **7**: 134.

*36. ***Neocarbula capitata*** Distant, 1918
(Fig. 36)

1918. *Neocarbula capitata* Distant, *Fauna Brit. India, Rhynchota,* **7**: 134.

Material examined: 1ex., Pipariytalav and around, Dist. Pune, 17.iii.1998, R.H. Kumble. 2 exs., Bhor WLS, Dist. Pune, 28.x.2012, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Pune), Uttarakhand.

Genus 30. *Eysarcoris* Hahn, 1834

1834. *Eysarcoris* Hahn, *Wanz.*, **11:** 66.

Key to the species of the genus *Eysarcoris*

1. Ventral disc of the abdomen completely black 2
– Ventral disc with its central angulated fascia black; apical joint of antennae brownish yellow; lateral angles of pronotum acutely prominent ..... *montivagus*
2. Pronotum with its anterior area without any spot; apical joint of antennae shiningly black; lateral angles of pronotum obtusely prominent*guttiger*
– Pronotum with its anterior area with two large brassy black spots, pronotal angles normal..... .....*ventralis*

37. ***Eysarcoris guttiger*** (Thunb.)
(Fig. 37)

1783. *Cimex guttiger* Thunb., *Nov. Ins. Sp*., **2**: 32.

1902. *Eusarcocoris guttiger*: Distant, *Fauna Brit. India, Rhynchota*,**1**: 165

1999. *Eysarcocoris guttiger*: Chakraborty and Ghosh, *Fauna of Meghalaya: State Fauna Series* **4**(4): 402.

Material examined: 1 ex., Ohergaon, Dist. Aurangabad, 1.iii.2013, Coll. M.E. Hassan and Party; 1 ex., Sangliwadi, Dist. Sangli, 6.xi.20123, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Aurangabad, Pune, Sangli), Chhattisgarh, Nagaland, Sikkim, Uttar Pradesh West Bengal; *Elsewhere*: China, Japan, Myanmar, Sri Lanka.

38. ***Eysarcoris montivagus*** (Distant, 1902)
(Fig. 38)

1902. *Eysarcocoris montivagus* Distant, *Fauna Brit. India, Rhynchota*, **1**: 166.

1999. *Eysarcocoris montivagus:* Chakraborty and Ghosh, *Fauna of Meghalaya: State Fauna Series* No. **4**: 402.

2002. *Eysarcoris guttiger*: Rider *et al. Zoosyst Rossica*, **2** : 144.

Material examined: 1ex., WRC campus,Akurdi, Dist. Pune, 21.10.2014, coll. D.Vasantha Kumar; 4 exs., Antarwala, Dist. Jalna, N: 19.66691, E: 75.96359, 20.xi.2014, coll. M.E. Hassan and party, 1 ex., Gayanganga WLS, Dist. Buldhana, N: 20.63382,

E: 76.39617, 29.x.2014, coll. M.E. Hassan and party; 3 exs., Hatheri, Dist. Buldhana, N: 20.45751, E: 76.11568, 30.x.2014, coll. M.E. Hassan and party; 7 exs., Kathoda, Dist. Amravati, N: 21.11332, E: 77.88556, 08.xi.2014, coll. M.E. Hassan and party; 1 ex., Lalkheri, Dist. Amravati, N: 20.94183, E: 77.60953, 10.xi.2014, coll. M.E. Hassan and party; 6 exs., Lohara, Dist. Osmanabad, N: 17.977580, E: 17.977580, 04.03.2015, coll. M.E. Hassan and party; 1 ex., Nidana, Dist. Jalna, N: 20.00408, E: 75.61889, 01.xi.2014, coll. M.E. Hassan and party; 4 exs., Pipalkhuta, Dist. Amravati, N: 20.87256, E: 77.93775, 09.xi.2014, coll. M.E. Hassan and party; 4 exs., Tandarwadi, Dist. Buldhana, N: 20.84035, E: 76.16546, 30.x.2014, coll. M.E. Hassan and party; 2 exs., Wagoli, Dist. Akola, N: 20.94067, E: 77.07046, 26.x.2014, coll. M.E. Hassan and party; 1 exs., Aundha, Dist. Hingoli, N: 19.503146, E: 77.047806, 11.iii.2015, coll. M.E. Hassan and party; 3 exs., Dharmapuri, Dist. Parbhani, N: 19.308575, E: 76.726646, 10.iii.2015, coll. M. E. Hassan and party; 2 exs., Mirkala, Dist. Beed, N: 19.163634, E: 75.664902, 07.iii.2015, coll. M.E. Hassan and party; 1 ex., Mudked, Dist. Nanded, N: 19.144722, E: 77.498875, 23.ii.2015, coll. M.E. Hassan and party; 3xs., Orwanti, Dist. Osmanabad, N: 18.071215, E: 75.888132, 03.iii.2015, coll. M.E. Hassan and party; 1 ex., Shirur, Dist. Latur, N: 18.323546, E: 76.716843, 28.ii.2015, coll. M.E. Hassan and party; 2 exs., Ter, Dist. Osmanabad, N: 18.321361, E: 76.135082, 02.iii.2015, coll. M.E. Hassan and party; 1 ex., Chirbandhnala, Kusumba, Dist. Dhule, 7.iii.2013, Coll. M.E. Hassan and Party; 1 ex., Kondwe, Dist. Satara, 16.ix.2012, Coll. M.E. Hassan and Party; 2 ex., Alibag, Dist. Raigad, 13.ix.2012, Coll. M.E. Hassan and Party.

Distribution: India: Maharshtra (Akola, Amravati, Beed, Buldhana, Dhule, Hingoli, Jalna, Latur, Nanded, Osmanabad, Parbhani, Pune, Raigad, Satara), Assam, Chhattisgarh, Meghalaya, Nagaland, Sikkim, Uttar Pradesh.

39. ***Eysarcoris ventralis*** (Westwood, 1837) (Fig. 39)

1837. *Pentatoma ventralis* Westwood, *In Hope Cat.*, **1** : 36.

1902. *Eusarcocoris ventralis*: Distant, *Fauna Brit. India*, *Rhynchota*, **1** : 167.

1999. *Eysarcocoris ventralis*: Chakraborty and Ghosh, *Fauna of Meghalaya, State Fauna Series* No. **4** : 402.

Material examined: 2exs.,Ranidoh R.H., Pench National Park, Dist, Nagpur, 26.ix.1997, D.B. Bastawade and party; 1 ex. Antarwala, Dist. Jalna, N: 19.66691, E: 75.96359, 20.xi.2014, coll. M.E. Hassan and party; 1 ex., Gayanganga WLS, Dist. Buldhana, N: 20.63382, E: 76.39617, 29.x.2014, coll. M.E. Hassan and party; 2 exs., Lohara, Dist. Osmanabad, N: 17.977580, E: 17.977580, 04.03.2015, coll. M.E. Hassan and party; 1 exs., Aundha, Dist. Hingoli, N: 19.503146, E: 77.047806, 11.iii.2015, coll. M. E. Hassan and party; 1 ex., Pali, Dist. Beed, N: 18.918773, E: 75.747324, 06.iii.2015, coll. M.E. Hassan and party; 1 ex., Ter, Dist. Osmanabad, N: 18.321361, E: 76.135082, 02.iii.2015, coll. M. E. Hassan and party; 6 ex., Agartakli, Dist. Nasik, 4.iii.2013, Coll. M.E. Hassan and Party; 5 ex., Bhor WLS, Dist. Pune, 28.x.2012, Coll. M.E. Hassan and Party; 1 ex., Hislop college, Dist. Nagpur, 18.ix.2013, Coll. M.E. Hassan andp.

Distribution: India: Maharashtra (Beed, Buldhana, Hingoli, Jalna, Nasik, Nagpur, Osmanabad, Pune), Chhattisgarh, Jaharkhand, Karnataka, Uttar Pradesh, West Bengal. *Elsewhere*: Myanmar.

Tribe **Halyini**

Key to the genera of the Tribe Halyini

1. Anterior and posterior tibiae dilated..... .....*Erthesina*
– Posterior tibiae simple, anterior tibiae sometimes dilated 2
2. Head elongated, tapering in front and longer than pronotum.....*Halys*
– Head rounded or truncated at apex,;lateral margins of head toothed near apex... *Dalpada*

Genus 31. ***Halys*** Fabr., 1803

1803. *Halys* Fabr., *Syst. Rhyng.*,: 180.

40. ***Halys dentatus*** (Fabricius, 1775) (Fig. 40)

1775. *Cimex dentatus* Fabr., *Syst. Ent.*, : 702.

1902. *Halys dentatus*: Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 119.

Material examined: 2exs., Kolad Vill., Dist. Raigad, 21.9.1981, M.S. Pradhan and party; 1 ex., Dharmapuri, Dist. Parbhani, N: 19.308575, E:

76.726646, 10.iii.2015, coll. M.E. Hassan and party; 1ex., Bhor wls, Dist. Pune, 28.x.2012, Coll. K. Chandra and P; 10 ex., Hislop college, Dist. Nagpur, 18.ix.2015, Coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Nagpur, Parbhani, Pune, Raigad), Assam, Andaman and Nicobar Islands, Andhra Pradesh, Chhattisgarh, Kerala, Meghalaya, Sikkim, Uttar Pradesh, West Bengal; *Elsewhere*: Bangladesh, China, Japan, Sri Lanka.

Genus 32. ***Erthesina*** Spin., 1837

1837. *Erthesina* Spin., *Ess.*,: 291.

41. ***Erthesina fullo*** (Thunberg, 1783)
(Fig. 41)

1783. *Cimex fullo* Thunberg, *Nov. Ins.Spec*,**2**:42.

1904. *Erthesina fullo*: *Distant, Fauna Brit. India*, *Rhynchota*, **1**: 117.

Material examined: 1ex., Kolad Vill.,Dist. Raigad, 21.9.1981, M.S. Pradhan and party; 5 ex., Sirsigaon, Dist. Bhandara, 2.ix.2013, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Bhandara, Raigad), Assam, Andhra Pradesh, Andaman and Nicobar Islands, Chhattisgarh, Kerala, Meghalaya, Sikkim, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere:* China, Japan.

Genus 33. ***Dalpada*** Amy. and Serv., 1843

1843. *Dalpada* Amy. and Serv., *Hem.,* :105.

Key to species of the genus *Dalpada*

1. Antennae with fifth joint luteous at base; rostrum reaching the apex of the fourth abdominal segment; body variegated with bronzy or dark greenmarkings.....*versicolor*
– Antennae with base of fourth and fifthjoints ochraceous; rostrum reaching the third abdominal segment; body greyish yellow, very thickly punctured with brassy black.*nigricollis*

42. ***Dalpada versicolor*** (Herr.-Schaeff., 1839)*
(Fig. 42)

1839. *Halysversicolor* Herr.-Schaeff, *Wanz. Ins.*, **5**: 76.

1902. *Dalpada versicolor* Distant, *Fauna Brit. India,* **1**: 114.

Material examined: 1ex., Kolad vill., Dist. Raigad, 21.9.1981, M.S. Pradhan and party.

Distribution: India: Maharashtra (Raigad), Tamilnadu, N. India.

43. ***Dalpada nigricollis*** (Westwood, 1837)*
(Fig. 43)

1837. *Halysnigricollis* Westwood, *in Hope Cat. Hem.*, **1**: 22.

1902. *Dalpada nigricollis* Distant, *Fauna Brit. India,* **1**: 111.

Material examined: 1ex.,Vengurba, Dist. Ratnagiri, 28.i.1963, B.K. Tikader and party; 1ex.,Vengurba cantonment, Dist. Ratnagiri, 28.i.1963, B.K. Tikader and party; 1ex., Devrukh Sadavli village, Dist. Ratnagiri, 9.i.1963, B.K. Tikader and party.

Distribution: India: Maharashtra (Ratnagiri), Paunjab, Srinagar, West Bengal. *Elsewhere*: China, Nepal.

Tribe **Menidini**

Genus 34. ***Apines*** Dallas, 1851

1851. *Apines* Dallas, *List Hem.* **1**: 232

44. ***Apines concinna*** Dallas, 1851
(Fig. 44)

1851. *Apines concinna* Dallas, *List Hem.*, **1**: 232

1902. *Apines concinna* Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 186.

Material examined: 1 ex., Ohergaon, Dist. Aurangabad, 1.iii.2013, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Aurangabad), Chhattisgarh, Uttarakhand.

Tribe **Nezarini**

Key to genera of the Tribe Nezarini

1. Head moderately rounded in front not sinuated at lateral margins; pronotal angles produced; abdomen not spined at base. .....*Palomena*
– Head is moderately narrowed to apex and more or less sinuated at the lateral margins, lobes are of equal length; pronotal angles are not produced but are rounded or sub-prominent;abdomen more or less distinctly spined atbase.....2
2. Peritreme long distinctly extending beyond middle of metapleuron; small bugs. .... *Acrosternum*

– Peritreme short, not extending beyond middle of metapleuron; large bugs. .....*Nezara*

Genus 35. ***Palomena*** Muls. Rey, 1866

1866. *Palomena,* Muls. and Ray, *Pun. France, Pent.,*: 271 and 277.

*45. ***Palomena viridissima*** (Poda, 1761)
(Fig. 45)

1761. *Cimex viridissima* Poda, I*ns. Muns. Graec*., : 56.

1902. *Palomena viridissima* Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 156.

Material examined: 8 ex., Kuruli, Dist. Pune, 21.ix.2012, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Pune), Punjab.

Genus 36. ***Acrosternum*** Fieber, 1860

1860. *Acrosternum* Fieber*, Eur. Hem.,: 79.*

46. ***Acrosternum graminea*** (Distant, 1787)
(Fig. 46)

1787. *Cimex graminea:* Fabricius, *Mant. Ins.*, **2**: 295.

1904. *Nezara graminea:* Distant*, Fauna Brit. India,* **1**: 221.

1909. *Acrosternumgraminea*: Kirkaldy, *Cat. Hem*., **1**: 115.

Material examined: 3 exs., Aurangabad road, Kaushi and around, Dist. Aurangabad, 29.ix.2006, D.B. Bastawade; 1 ex., Gayanganga WLS, Dist. Buldhana, N: 20.63382, E: 76.39617, 29.x.2014, coll. M.E. Hassan and party; 1 ex., Orwanti, Dist. Osmanabad, N: 18.071215, E: 75.888132, 03.iii.2015, coll. M.E. Hassan and party; 1 ex., Shirur, Dist. Latur, N: 18.323546, E: 76.716843, 28.ii.2015, coll. M.E. Hassan and party; 1 ex., Ter, Dist. Osmanabad, N: 18.321361, E: 76.135082, 02.iii.2015, coll. M.E. Hassan and party; 2 ex., Bhor WLS, Dist. Pune, 28.x.2012, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Aurangabad, Buldhana, Latur, Osmanabad, Pune), Chhattisgarh, Tamil Nadu, West Bengal, *Elsewhere*: Sri Lanka.

Genus 37. ***Nezara*** Amy. and Serv., 1843

1843. *Nezara* Amyand Serv., *Hem*.,: 143.

47. ***Nezara viridula*** (Linnaeus, 1758)
(Fig. 47)

1758. *Cimex viridula* Linn., *Syst. Ent. Nat*. ed **10:** 444.

1902. *Nezara viridula*: Distant, *Fauna Brit. India*, **1:** 220.

*Material examined:*1ex.,Hathigota,Pench National Park, Dist. Nagpur, 16.iii.1998, coll. R.H. Kamble and party; 9 ex., Ohergaon, Dist. Aurangabad, 1.iii.2013, Coll. M.E. Hassan and Party; 24 ex., Nirupar, Dist. Sindhudurg, 31.xii.2011, Coll. M.E. Hassan and Party; 6 ex., Kalsa, Dist. Sindhudurg, 31.xii.2011, Coll. S.I. Kazmi and party.; 5 EX., Barwa, Dist. Sindhudurg, 30.xii.2011, S.I. Kazmi and P; 2 ex., Bow, Dist. Sindhudurg, 29.xii.2011, Coll. S.I. Kazmi andP; 3 ex., Hislop college, Dist. Nagpur, 18.ix.2013, Coll. M.E. Hassan and p; 1 ex., Kathoda, Dist. Amravati, N: 21.11332, E: 77.88556, 08.xi.2014, coll. M.E. Hassan and party; 1 ex., Mudked, Dist. Nanded, N: 19.144722, E: 77.498875, 23.ii.2015, coll. M.E. Hassan and party; 1 ex., Orwanti, Dist. Osmanabad, N: 18.071215, E: 75.888132, 03.iii.2015, coll. M.E. Hassan and party; 2 exs., Safepur, Dist. Beed, N: 18.610417, E: 75.897675, 06.iii.2015, coll. M.E. Hassan and party; 1 ex., Ter, Dist. Osmanabad, N: 18.321361, E: 76.135082, 02.iii.2015, coll. M. E. Hassan and party.

Distribution: India: Maharashtra (Amravati, Aurangabad, Beed, Nagpur, Nanded, Osmanabad, Sindhudurg), Throughout whole of British India; *Elsewhere*: Australasian, Etheopian, Nearactic, Neotropical, Paleartic region.

Tribe **Catacanthini**

Genus 38. ***Catacanthus*** Spin,1837

1837. *Catacanthus* Spin, *Ess*. : 352.

48. ***Catacanthus incarnates*** (Drury, 1773)
(Fig. 48)

1773. *Cimexincarnates* Drury, *Ill*, 2: 67.

1902. *Catacanthus incarnates* Distant, *Fauna Brit. India*, **1:**218.

*Material examined:*1ex., Sanjay Gandhi National Park, Boriveli, Dist. Mumbai, 25.ii.1997, P.B. Bastawade and party; 1 ex., Mathram, Dist. Raigad, N: 18.66529, E: 72.98948, 19.x.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Mumbai, Raigad), Assam, Meghalaya, Sikkim, Pondicherry, West Bengal. *Elsewhere*: Japan, Koria, Myanmar, Pakistan, Sri Lanka.

Tribe **Pentatomini**

Genus 39. ***Placosternum*** Amy and Serv., 1843

1843. *Placosternum* Amy and Serv., *Hem.*,: 174.

49. ***Placosternum taurus*** (Fabr., 1781)
(Fig. 49)

1781. Cimex *taurus* Fabr., *Spec. Ins.* **2**: 344.

1902. *Placosternum taurus*Distant, *Fauna Brit. India*, **1:** 210.

Material examined: 1ex., Aurangabad, Dist. Aurangabad, 25.ii, 1868, B.S. Lamba and party.

Distribution: India: Maharashtra (Aurangabad), Meghalaya, Sikkim. *Elsewhere*: Myanmar, Siam.

Tribe **Piezodorini**

Genus 40. ***Piezodorus*** Fieber, 1861

1861. *Piezodorus* Fieb, Eur. Hem.,: 78 and 329.

50. ***Piezodorus hybneri*** (Gmelin, 1790)
(Fig. 50)

1790. *Cimex hybneri* Gmelin, *Linn. Syst. Nat.*,**1**(4): 1517-2224.

2002. *Piezodorus hybneri* : Rider *et al. Zoosyst Rossica*, **2**:144.

Material examined: 20 exs.,Vethagwadi, Dist. Pune, 9.iii.1979, coll. K. Mathew; 1 ex., Babulgaon, Dist. Washim, N: 20.09012, E: 77.24936, 06.xi.2014, coll. M.E. Hassan and party; 3 eexs., Dagdumra, Dist. Washim, N: 19.93722, E: 77.40454, 06.xi.2014, coll. M.E. Hassan and party; 7 exs., Hatheri, Dist. Buldhana, N: 20.45751, E: 76.11568, 30.x.2014, coll. M.E. Hassan and party; 1 ex., Jamrunphata, Dist. Washim, N: 20.26851, E: 76.96403, 05.xi.2014, coll. M.E. Hassan and party; 7 exs., Kathoda, Dist. Amravati, N: 21.11332, E: 77.88556, 08.xi.2014, coll. M.E. Hassan and party; 1 ex., Lalkheri, Dist. Amravati, N: 20.94183, E: 77.60953, 10.xi.2014, coll. M.E. Hassan and party; 1 ex., Lohara, Dist. Osmanabad, N: 17.977580, E: 17.977580, 04.03.2015, coll. M.E. Hassan and party; 2 exs., Nidana, Dist. Jalna, N: 20.00408, E: 75.61889, 01.xi.2014, coll. M.E. Hassan and party; 5 exs., Pipalkhuta, Dist. Amravati, N: 20.87256, E: 77.93775, 09.xi.2014, coll. M.E. Hassan and party; 2 exs., Ramgaon, Dist. Amravati, N: 21.17508, E: 77.97894, 08.xi.2014, coll. M.E. Hassan and party; 2 exs., Tandarwadi, Dist. Buldhana, N: 20.84035, E: 76.16546, 30.x.2014, coll. M.E. Hassan and party; 1 exs., Aundha, Dist. Hingoli, N: 19.503146, E: 77.047806, 11.iii.2015, coll. M.E. Hassan and party; 2 exs., Chincholi, Dist. Nanded, N: 18.815981, E: 77.149035, 24.ii.2015, coll. M.E. Hassan and party; 1 ex., Ter, Dist. Osmanabad, N: 18.321361, E: 76.135082, 02.iii.2015, coll. M.E. Hassan and party; 1 ex., Datara, Dist. Chandrapur, 6.ix.2013, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Amravati, Buldhana, Chandrapur, Hingoli, Nanded Osmanabad,Washim), Assam, Chhattisgarh, Sikkim, Uttar Pradesh, West Bengal. *Elsewhere*: Australasia, Japan, Malay peninsula, Myanmar, Sri Lanka.

Tribe **Sciocorini**

Key to genera of the Tribe Sciocorini

1. Scutellum sharply narrowed to apex . *Sciocoris*
– Scutellum broad, more evenly attenuated posteriorly ..... *Menedemus*

Genus 41. ***Menedemus*** Distant, 1899

1899. *Menedemus* Distant, *A.M.N.H.* (7) **4**: 430

51. ***Menedemus hieroglyphicus*** Distant, 1899
(Fig. 51)

1899. *Menedemus hierogylphicus* Distant,*A.M.N.H.* (7)**4**: 430.

1902. *Menedemus hierogylphicus* : Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 127

2011. *Menedemus hierogylphicus* :Azim, *Halteres,* **3**: 2.

Material examined: 2exs.,Vellu village, Dist. Pune, 3.x.1978, coll. R.H. Kumble and party.

Distribution: India: Maharashtra (Pune), Chhattisgarh, Tamil Nadu

Genus 42. ***Sciocoris*** Fallen, 1829

1829. *Sciocoris* Fallen, *Hem. Suec.*,: 20.

52. ***Sciocoris indicus*** Dallas, 1851
(Fig. 52)

1851. *Sciocoris indicus* Dallas. *List. Hem.*, **1**: 132.

2011. *Sciocoris indicus*: Azim, *Halteres,* **3**: 2.

Material examined: 4 ex., Near Satara railway station, Dist. Satara, 18.ix.2012, Coll. M.E. Hassan and Party; 1 ex.

Distribution: India: Maharashtra (Satara), Chhattisgarh, Kerala.

Tribe **Sephelini**

Genus 43. ***Niphe*** Stal, 1867

1867. *Niphe* Stal, Ofv. Vet.–Ak. Forh., 516.

53. ***Niphe subferruginea*** (Westwood, 1837) (Fig. 53)

1837. *Pentatoma subferruginea* Westwood, *In Hope Cat*., **1**: 35.

1902. *Niphe subferruginea*: Distant, *Fauna Brit. India, Rhynchota*, **1**: 151.

*Material examined:*1ex., Kandrantar, Central Phulbari, Pench National Park, dist. Nagpur, 29.ix.94, M.S. Pradhan and party; 5 ex., Dewar, Dist. Chandrapur, 6.ix.2013, Coll. M.E. Hassan and Party; 4 ex., Hislop college, Dist. Nagpur, 18.ix.2013, Coll. M.E. Hassan and party; 3 ex., Bhor WLS, Dist. Pune, 28.x.2012, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Chandrapur, Nagpur, Pune), Chhattisgarh, Kerala, Meghalaya. *Elsewhere*: Myanmar.

Tribe **Strachiini**

Genus 44. ***Bagrada*** Stal, 1862

1862. *Bagrada* Stal, *Stett. Ent. Ziet*., **23**: 105.

54. ***Bagrada hilaris*** Burmister, 1835 (Fig. 54)

1835. *Bagrada hilaris* Burmister, *Hand de Ent.,* **2** : 1-400.

2002. *Bagrada hilaris*: Rider, *Zoosyst. Rossica,* **2**: 137.

Material examined: 1ex., Loni, Dist. Pune, 1.ii.1982, R.H. Kamble and party; 1 ex., Banarasi, Dist. Amravati, N: 21.08357, E: 77.53785, 10.xi.2014, coll. M.E. Hassan and party, 2 ex., Dagdumra, Dist. Washim, N: 19.93722, E: 77.40454, 06.xi.2014, coll. M.E. Hassan and party; 2 exs., Kathoda, Dist. Amravati, N: 21.11332, E: 77.88556, 08.xi.2014, coll. M.E. Hassan and party; 1 ex., Wagoli, Dist. Akola, N: 20.94067, E: 77.07046, 26.x.2014, coll. M.E. Hassan and party; 3 exs., Dharmapuri, Dist. Parbhani, N: 19.308575, E: 76.726646, 10.iii.2015, Coll. M.E. Hassan and party; 2 exs., Geori, Dist. Beed, N: 19.264556, E: 75.737858, 07.iii.2015, coll. M.E. Hassan and party; 2 ex., Rakaswade, Kalyani Park, Dist. Nandurbar, 11.iii.2013, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Amravati, Akola, Beed, Nandurbar, Parbhani, Pune, Washim), Chhattisgarh, Uttarakhand, Uttar Pradesh, Manipur, West Bengal; *Elsewhere*: Sri Lanka.

Tribe **Axiagastini**

Genus 45. ***Axiagastus*** Dallas, 1851

1851. *Axiagastus* Dallas, *List. Hem*. **1**: 221.

55. ***Axiagastus rosmarus*** Dallas, 1851* (Fig. 55)

1851. *Axiagastus rosmarus* Dallas, *List. Hem*. **1**: 222.

Material examined: 1 ex., Maliwad, Dist. Ahmadnagar, 8.ix.2012, Coll. M.E. Hassan and Party.

Distribution: India: Maharashtra (Ahmadnagar), Meghalaya. *Elsewhere*: Philippines.

Subfamily VII ASOPINAE

Genus 46. ***Eocnthecona*** Bergroth, 1915

1915. *Eocanthecona* Bergroth, *Ann. Mag. Nat. Hist*. **8**(15) : 481.

56. ***Eocanthecona furcellata*** (Wolff, 1801) (Fig. 56)

1801. *Cimex furcellata* Wolff., *IC.,*: 182.

1902. *Canthecona furcellata*: Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 248.

1994. *Eocanthecona furcellata:* Thomas, *Insect Mundi*, **8**(3-4): 176.

Material examined: 2exs., Ecopoint,Khandala, Dist. Pune,8.xi.1963, coll. B.K. Tikader; 1 ex., Dist. Nagpur, 18.ix.2013, Coll. M.E. Hassan and Party; 1 ex., Datara, Dist. Chandrapur, 6.ix.2013, Coll. M.E. Hassan and Party; 1 exs., Gayanganga WLS, Dist. Buldhana, N: 20.63382, E: 76.39617, 29.x.2014, coll. M.E. Hassan and party; 6 exs., Hatheri, Dist. Buldhana, N: 20.45751, E: 76.11568, 30.x.2014, coll. M.E. Hassan and party; 3 exs., Jamrunphata, Dist. Washim, N: 20.26851, E: 76.96403, 05.xi.2014, coll. M.E. Hassan and party; 4 exs., Kathoda, Dist. Amravati, N: 21.11332, E: 77.88556, 08.xi.2014, coll. M.E. Hassan and party; 1 ex., Pipalkhuta, Dist. Amravati, N: 20.87256, E: 77.93775, 09.xi.2014, coll. M. E. Hassan and party; 2 exs., Wagoli, Dist. Akola, N: 20.94067, E: 77.07046, 26.x.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Amravati, Akola, Buldhana, Chandrapur, Nagpur, Pune Washim), Chhattisgarh, Jharkhand, Tamil Nadu, Uttar Pradesh, West Bengal; *Elsewhere*: Japan, Myanmar, Sri Lanka.

Subfamily IX PODOPINAE

Genus 47. ***Melanophara*** Stal, 1867

1867. *Melanophara* Stal, *Ofv. Vet.-Ak. Forh.*,: 503.

57. ***Melanophara dentata*** Hagl., 1868*
(Fig. 57)

1868. *Melanophara dentata* Hagl., *Stett. ent. Zeit.,* **29**: 152.

1902. *Melanophara dentata*Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 79.

Material examined: 1ex., Kalhar, Dist. Nagpur, 11.vi.1982, B. Dutta and party

Distribution: India: Maharashtra (Nagpur), Nagaland. *Elsewhere*: Myanmar

Family III CYDNIDAE

Key to the genera of the Family CYDNIDAE

1. Antennae four jointed; Posterior femora not spined.....*Adrisa*
– Antennae five jointed..... 2
2. Margin of the head spinulose, setose or ciliated..... *Cydnus*
– Margin of the head ciliated not spinulose.....3
3. Posterior femora usually spined ...*Macroscytus*
– Posterior femora not spined, smaller in size .. ..*Geotomus*

Genus 48. ***Adrisa*** Amyt and Serv., 1843

1843. *Adrisa*, Amt.and Serv., *Hem*., : 89.

*58. ***Adrisa magna*** (Uhler, 1843)
(Fig. 58)

1830. *Acatalectusmagna* Uhler., *Proc. Ac. X. S. Phil.*, : 222

1902. *Adrisamagna*: Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 89.

Material examined: 1ex., Hatheri, Dist. Buldhana, 30.x.2014, coll. M.E. Hassan and party; 1ex., Bhor Dist Pune, 28.x.2012, coll. K. Chandra andparty.

Distribution: India: Maharashtra (Buldhana, Pune), Nagaland; *Elsewhere:* Hong Kong, Myanmar

Genus 49. ***Macroscytus*** Fieber, 1861

1861. *Macroscytus*, Fieber, *Eur. Hem.*: **83**, 362.

Key to species of the genus *Macroscytus*

1. Body deep brown, tarsi yellow, membrane hyaline; sternum never contain any patch..... .....*brunneus*
– Body black, pronotum;a large opaque wrinkled patch occupying each side of meso-and mtasterna; tarsi castaneous, membrane brownish, darker at base and semitransparent at margin. .....*subaeneus*

59. ***Macroscytus brunneus*** (Fabricius, 1803)*
(Fig. 59)

1803. *Cydnus brunneus*, Fabr., *Syst. Rhyng.,* : 18.

1902. *Macroscytus brunneus* :Distant , *Fauna Brit. India*, *Rhynchota*, **1** : 95.

Material examined: 1ex., Bhor Dist Pune, 28.x.2012, coll. K. Chandra and party; 2exs., Maliwaral, Dist. Ahmadnagar, 6.xi.2012, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Ahmadnagar, Pune), All over India, *Elsewhere*: Africa, China, Myanmar, Sri Lanka and Europe.

60. ***Macroscytus subaeneus*** (Dallas, 1851)
(Fig. 60)

1851. *Aethus subaeneus* Dall., List. *Hem*., **1**: 116.

1902. *Macroscytussubaeneus*:Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 96.

Material examined: 1 ex., Ukshi, Dist. Ratnagiri, 1,vii.2014, coll. M.E. Hassan and party; 1ex., Sirsigaon, Dist. Bhandara, 21.ix.2013, coll. M.E. Hassan and party;

Distribution: India: Maharashtra (Bhandara, Ratnagiri), Deccan, *Elsewhere:* Myanmar.

Genus 50. ***Cydnus*** Fabricius, 1803

1803. *Cydnus* Fabricius, *Syst. Rhyng,*: 184.

61. ***Cydnus indicus*** Westwood, 1837
(Fig. 61)

1837. *Cydnus indicus* Westwood, *in Hope Cat.*, **1**: 19.

1902. *Cydnus indicus*: Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 90.

Material examined: 2exs., Maliwaral, Dist. Ahmadnagar, 6.xi.2012, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Ahmadnagar), North India, Sikkim.

Genus 51. ***Geotomus*** Muls. & Rey., 1866

1866. *Geotomus* Muls. & Rey., *Pun. France, Pent.,:* 34.

62. ***Geotomus pygmaeus*** (Dallas, 1851)
(Fig. 62)

1851. *Aethus pygmaeus* Dallas, *List. Hem.,* **1**: 120.

1902. *Geotomus pygmaeus* Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 98

Material examined: 7exs., Maliwaral, Dist. Ahmadnagar, 6.xi.2012, coll. M.E. Hassan and party; 6 exs., Ukshi, Dist. Ratnagiri, 1.vii.2014, coll. M.E. Hassan and party; 5 exs., Sirsigaon, Dist. Bhandara, 21.ix.2013, coll. M.E. Hassan and party; 22 exs., Bhor Dist Pune, 28.x.2012, coll. K. Chandra and party; 9 exs., Hatheri, Dist. Buldhana, 30.x.2014, coll. M.E. Hassan and party;

Distribution: India: Maharashtra (Ahmadnagar, Bhandara, Buldhana, Pune, Ratnagiri), *Elsewhere:* China, Japan, Myanmar, Sri Lanka

Family IV DINIDORIDAE

Key to genera of family DINIDORIDAE

1. Antennaefivesegmented ..... *Coridius*
– Antennae four segmented..... 2
2. Head small, lateral lobes a little longer than central lobe .....*Cyclopelta*
– Head large, lateral lobes much longer than central lobe, pronotal margins angularly sinuate, abdominal margin lobately dentate..... .....*Megymenum*

Genus 52. ***Coridius*** Illiger, 1807

1807. *Coridius Illiger*, *Fauna Etrusca*., **2**: 361.

Key to the species of the genus *Coridius*

1. Antennae black, body beneath and legs black .....*ianus*
– Antennae fuscous, body beneath and legs more or less infuscated, abdomen above red, third joint of antennae longer than the second..... .....*brunneus*

63. ***Coridius brunneus*** (Thunberg, 1783)
(Fig. 63)

1783. *Cimex brunneus* Thunberg, *Nov. Ins. Sp.,* **2**: 45.

1902. *Aspongopus brunneus*: Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 281

1992. *Coridius brunneus*: Lis., *Ann. Upper Silesian Mus. Ent*., **3:** 38(R).

Material examined: 1 ex., Beyond banaspati point, Ambegaon, Dist. Pune, coll. P.P. Kulkarni and party; 1 ex., Mathram, Dist. Raigad, N: 18.66529, E: 72.98948, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Pune, Raigad), Chhattisgarh, Assam, Jharkhand, Meghalaya, Nagaland, West Bengal. *Elsewhere*: Myanmar.

64. ***Coridius ianus*** (Fabricius, 1775)
(Fig. 64)

1775. *Cimex ianus* Fabr., *Syst. Ent*., : 714.

1902. *Aspongopus janus*: Distant, *Fauna Brit. India*, *Rhynchota,* **1**: 281.

1992. *Coridius ianus* : Lis., *Ann. Upper Silesian Mus. Ent*., **3:** 38(R).

Material examined: 1ex., Dhadgaon, Akranitaluk, dist. Nandurbar,23.i.1986, coll. B.S Lamba and party.

Distribution: India: Maharashtra (Nandurbar), Chhattisgarh, Karnataka, Kerala, Meghalaya, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Myanmar, Sri Lanka.

Genus 53. ***Cyclopelta*** Amyot. and Serville, 1843

1843. *Cyclopelta* Amyot. and Serville, *Hem*., : 172.

65. ***Cyclopelta siccifolia*** (Westwood, 1837)
(Fig. 65)

1837. *Aspangopus siccifolia* Westwood, *Hope Cat*.,: 26.

1902. *Cyclopelta siccifolia*: Distant, *Fauna Brit. India*, **1**: 280.

2010. *Cyclopelta siccifolia*: Biswas and Bal, *Fauna of Uttarakhand: State Fauna Series,* **18**(2): 238.

Material examined: 1ex., Dehuvillage, Dist. Pune, 28.v.1963, coll. S.M. Ketkar.

Distribution: India: Maharashtra (Pune), Andhra Pradesh, Meghalaya, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: Myanmar.

Genus 54. ***Megymenum*** Laporte, 1832

1832. *Megymenum* Laporte, *Ess. Hem.*,: 52.

*66. ***Megymenum brevicorne*** (Fabricius, 1787)
(Fig. 66)

1787. *Cimex brevicorne* Fabricius, *Mant. Ins.,* **2**: 294.

1902. *Megymenum brevicorne* Distant, *Fauna Brit. India*, *Rhynchota,* **1**: 286.

Material examined: 1 ex. Ambad, Dist. Jalna, 2.xi.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Jalna), Meghalaya, West Bengal; *Elsewhere*: China, Myanmar.

Family V SCUTELLERIDAE

Key to genera of the family SCUTELLERIDAE

1. Antennae of four joints; abdomen not furrowed ..... *Fitha*
– Antennae of five joints 2
2. Abdomen distinctly longitudinally furrowed beyond middle; body elongated..... *Scutellera*
– Abdomen not longitudinally furrowed; body oval; scutellum completely covering abdomen except at base ..... *Chrysocoris*

Genus 55. ***Chrysocoris*** Hahn, 1843

1843. *Chrysocoris*, Hahn, *Wanz. Ins.*,: 38.

Key to the speies of the genus *Chrysocoris*

1. Pronotum with two spots near anterior margin..... *simplex*
- Pronotum with five spots on, two anterior and three on posterior disk, seven spots on scutellum, six arranged in pairs and one elongate spot on anterior disk ..... *purpureus*

67. ***Chrysocoris purpureus*** (Westwood, 1837)
(Fig. 67)

1837. *Callideapurpureus*, Westw. In *Hope Cat.*, **1**: 15

1902. *Chrysocoris purpureus*:Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 58.

Material examined: 2 exs., Sheogaon, Dist. Nagpur, 28.ix.1997, R.M. Sharma and party

Distribution: India: Maharashtra, (Nagpur), Andhra Pradesh, Chhattisgarh, Himachal Pradesh, Karnataka, Tamil Nadu.

68. ***Chrysocoris simplex*** Atkinson, 1889*
(Fig. 68)

1889. *Chrysocoris simplex* Atkinson, J.A.S.B. **57**: 343

1902. *Chrysocoris simplex* Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 59.

Material examined: 1ex.,Danoli, Dist.Ratnagiri, 22.ii.1965, coll. B.K.Tikader and party.

Distribution: India: Maharashtra (Ratnagiri), Tamilnadu.

Genus 56. ***Scutellera*** Lam., 1801

1801. *Scutellera* Lam., *Syst.:* 293.

69. ***Scutellera fasciata*** (Panzer, 1798)
(Fig. 69)

1798. *Cimex fasciata* Panzer, *Voet Col.,* **4**: 108.

1902. *Scutellera fasciata*: Distant, *Fauna Brit. India*, **1**: 50.

Material examined: 1ex., Aurangabad, 18.xii.1968, coll. B.S. Lamba and party.

Distribution: India: Maharashtra (Aurangabad), Himachal Pradesh, Sikkim, Karnataka. *Elsewhere*: Myanmar, Pegu, Malayan Archipelago, Java, Celebes, Amboina.

Genus 57. ***Fitha*** Walker 1867

1867. *Fitha* Walker *Cat. Het*., **1**: 45.

70. ***Fitha ardens*** Walker, 1867*
(Fig. 70)

1867. *Fitha ardens* Walker, *Cat. Het*., **1** : 45.

1904. *Fitha ardens* Distant *Fauna Brit India*, **1**: 64.

Material examined : 1 ex., Baparya, Dist. Kholapur, 25.xii.2011, Coll. S.I. Kazmi and party

Distribution : India : Maharashtra (Kholapur), Uttar Pradesh, All over India.

Family VI. TESSARATOMIDAE

Genus 58. ***Tessaratoma*** Lep. and Serv., 1825

Key to species of the genus *Tessaratoma*

1. Male with the anal appendage is truncate at its apex ..... *javanica*
– Male with the anal appendage is sinuate at the apex, the apical angles acute ..... *papillosa*

71. ***Tessaratoma javanica*** (Thunberg, 1783)
(Fig. 71)

1783. *Cimex javanica* Thunb., *Nov. Ins. Spec.,* **2**: 45.

1902. *Tessaratoma javanica*: Distant, *Fauna Brit. India*, *Rhynchota*, **1**: 259.

Material examined: 1ex., Naniwale, Radhanagri, dist. Kolhapur, 28.ix.1997coll. S.S. Talmale and party.

Distribution: India: Maharashtra (Kolhapur), Chhattisgarh, Andhra Pradesh, Assam, Sikkim. *Elsewhere*: Myanmar.

Family VII. PLATASPIDAE

Genus 59. ***Megacopta*** Hsiao and Jen, 1977

1977. *Megacopta* Hsiao and Jen, *in Handb. det. Chin. Hem*: *Het*, *Scien. Publ. Co., Beijing*: 23.

Key to species of the genus *Megacopta*

1. Scutellum with a well-defined very slightly elevated basal callosity, the whole surface covered with smooth, reddish, elevated spots, with theinterstices thickly punctured..... ..... *cibraria*
– Scutellum with the margins of the basal callosity, a short central longitudinal basal fascia, and the lateral and apical margins, black. .... *cylonicum*

72. ***Megacopta cribraria*** (Fabr., 1798)
(Fig. 72)

1798. *Cimex cribraria* Fabr., *Ent. Syst. Suppl.,* : 531.

1977. *Megacopta cibraria:* Hsiao and Jen,. *in Handb. det. Chin. Hem*: *Het*, *Scien. Publ. Co., Beijing*: 21 & 22.

Material examined: 1ex., Loni, Dist. Pune, 1.ii.1982, coll. R.H. Kumble and party; 1 ex., Tandarwadi, Dist. Buldhana, N: 20.84035, E: 76.16546, 30.x.2014, coll. M.E. Hassan and party; 1 ex., Dharmapuri, Dist. Parbhani, N: 19.308575, E: 76.726646, 10.iii.2015, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Buldhana, Parbhani, Pune) Karnataka, Nagaland, Tamil Nadu, West Bengal. *Elsewhere*: China, Myanmar.

73. ***Megacopta ceylonicum*** (Dohrn, 1860)*
(Fig. 73)

1860. *Coptosoma ceylonicum* Dohrn, *Stett. ent. Zeit*. **21**: 399.

Material examined: 1 ex., Mahapur, Dist. Latur, N: 18.469461, E: 76.585666, 27.ii.2015, coll. M.E. Hassan and party; 2 exs., Safepur, Dist. Beed, N: 18.610417, E: 75.897675, 06.iii.2015, coll. M.E. Hassan and party.

Distribution: India: Maharashtra(Beed, Latur). *Elsewhere*: Sri Lanka

Superfamily III COREOIDEA

Key to the families of the superfamily COREOIDEA

1. Abdominal spiracle dorsal 2
– Abdominal spiracle ventral..... 3
2. Metathoracic scent gland auricles absent or greatly reduced..... RHOPALIDAE
– Metathoracic scent gland auricles large and conspicuous, never bristly, ovipositor usually flattened and plate like, if laciniate then tibiae not sulcate and abdominal pore bearing organs lacking.....COREIDAE
3. Interocular distance greater than width of anterior margin of scutellum, ovipositor plate like ..... ALYDIDAE
– Interocular distance less than width of anterior margin of scutellum, ovipositor laciniate ....STENOCEPHALIDAE

Family VIII COREIDAE

Key to the subfamilies of family COREIDAE

1. Apices of the antennal basal joint and femora clavate .....HYDARINAE
– Apices of the basal joints of antennae and femora not clavate 2
2. Length variable; tibiae sulcata (sometimes shallowly sulcate); head longitudinally impressed near central lobe; posterior angles of dorsal surface of sixth abdominal segment in male rounded, obtuse, or straight, or somewhat prominently recurved; tibiae above generally sulcate or dilated..... COREINAE
– Member of the subfamily not more than 12 mm long; tibiae not sulcate; head not impressed near central lobe metathoracic scent gland orifices with a single large or two nearly fussed disc, posterior angles of dorsal surface of sixth abdominal segment in both sexes prominently

recurved, slightly dentate, or spinose; meso and meta sterna sulcte, male with a bi-lobed genital capsule opening, filled by the clearly visible parameres; tibiae rounded, not sulcate..... ..... PSEUDOPHLOCINAE

Subfamily X COREINAE

Key to the Division of the Subfamily COREINAE

1. Lateral margin of abdomen broadly dialated.. .....BRACHYTARIA
– Lateral margin of abdomen not much dialated.....2
2. Abdominal spiracles placed near the middle of basal and apical margin of respective segments but close to the lateral margins of abdomen .. ..GONOCERARIA
– Abdominal spiracles not placed at the middle but either towards apical or basal subsequent segmental margin 3
3. Lateral lobes of head widely separated at their apices; the posterior coxae remote from each other; the abdominal spiracles large and transverse ..... PETASCELARIA
– Lateral lobes of head not widely separated at their apices.....4
4. Anterior area of head impressed on each side of the central lobe of pronotumwith its posterior margin in front of scutellum truncate..... .....PHYSOMERARIA
– Anterior area of head not impressed on each side of central lobe.....5
5. Abdomen not ampliated; pronotal angles not acutely produced..... HOMOECERARIA
– Abdomen much ampliated; posterior femora spinosa,generally incrassated, in male profoundly thickened..... MICTARIA

Division 1. MICTARIA

Genus 60. ***Anoplocnemis*** Stal, 1873

1873. *Anoplocoemis* Stal, *En. Hem*., **3**: 47.

74. ***Anoplocnemis phasiana*** (Fabricius, 1781) (Fig. 74)

1781. *Lygaeus phasiana* Fabricius, *Spec. Ins*., **2**: 361.

1902. *Anoplocnemis phasiana:* Distant *Fauna Brit. India, Rhynchota,* **1**: 346.

Material examined: 2exs., Ecopoint, Khandala, Dist. Pune, 8.xi.1963, coll. B.K. Tikader; 1 ex., Ukshi, Dist. Ratnagiri, 1.vii.2014, M.E. Hassan and party.

Distribution: India: Maharashtra (Pune, Ratnagiri), Assam, Chhattisgarh, Himachal Pradesh, Karnataka, Kerala, Meghalaya, Nagaland, Sikkim, Uttarakhand. *Elsewhere*: Sri Lanka, Myanmar, Malay Archipelago, Malay Peninsula.

Division 2. PETASCELARIA

Genus 61. ***Petillopsis*** Hsiao, 1963

1963. *Petillopsis* Hsiao, *Act. Zool. Sinica,* **15**: 622.

75. ***Petillopsis calcar*** (Dallas, 1852) (Fig. 75)

1852. *Mictis calcar* Dallas *List. Hem*., **2**: 397.

1902. *Petillia calcar* : Distant, *Fauna Brit. India, Rhynchota,* **1**: 351.

2006. *Petillopsis calcar*: Dolling, *Cat. Het. Palae. Reg.,* **5**: 97.

Material examined: 1ex., Khandala Ghat, Dist. Pune, 14.xi.1963, coll. B.K. Tikader and party

Distribution: India: Maharashtra (Pune), Chhattisgarh, Sikkim, Meghalaya, Nagaland, *Elsewhere*: Myanmar, Philippine Islands, Sri Lanka.

Division 3. BRACHYTARIA

Genus 62. ***Brachytes*** Westwood, 1842

1842. *Brachytes* Westwood, *in Hope Cat*., **2**: 8.

76. ***Brachytes bicolor*** Westwood, 1842 (Fig. 76)

1842. *Brachytes bicolor* Westwood, *in Hope Cat*., **2**: 8.

1902. *Brachytes bicolor:* Distant, *Fauna Brit. India, Rhynchota,* **1**: 354.

Material examined: 1ex., Sighagad, Dist. Pune. 28.v.1982, coll. B. Dutta.

Distribution: India: Maharashtra (Pune), Assam, Himachal Pradesh, Sikkim. *Elsewhere*: Thailand, Sri Lanka, Japan.

Division 4. HOMEOCERARIA

Key to the genera of the Division HOMEOCERARIA

1. Central lobe of head distinctly deflected between the lateral lobes; anal abdominal segment of

female nearly three times as broad as long..... .....*Homeocerus*

– Central lobe of head not deflected between lateral lobes; anal abdominal segment of female about twice as long as broad.....*Aschistocoris*

Genus 63. ***Homoeocerus*** Burmeister, 1835

1835. *Homoeocerus* Burmeister, *Handb.*, **2**: 316

Key to the species of the genus *Homoeocerus*

1. Rostrum with the third joint longer than the fourth .....*signatus*
– Rostrum with either the third and fourth joint equally long or the third joint a little shorter than fourth.....2
2. Corium with a small pale yellowish spot broadly margined posteriorly with black near inner angle.....*albiguttulus*
– Corium without spot at the inner angle.....3
3. Pronotum with the basal area and basal two third of corium and antennae with first, second and third joints carmine red, fourth joint black; lateral margin of corium finely serrate..... .....*picturatus*
– Pronotum and scutellum with a central pale longitudinal line; antennae brownish, margin of the abdomen unspotted; pronotal angle less prominent and more rounded; anterior lateral margin of corium distinctly clay colour ....*laevilineus*

77. ***Homoecerus picturatus*** Distant, 1918*
(Fig. 77)

1918. *Homoecerus picturatus* Distant, *Fauna Brit. India, Rhynchota,* **7** : 155.

Material examined: 1 ex., Agartakli, Dist. Nasik, 4.iii.2013, coll. M.E. Hassan and party; 1 ex., Salsura, Dist. Wardha, 13.ix.2013, coll. M.E. Hassan and party; 3 exs., Arjuna, Dist. Yavatmal, 10.iii.2013, coll. M.E. Hassan and party; 1 ex., Bor WLS, Dist. Wardha, 13.ix.2013, coll. M.E. Hassan and party; 2 exs., 1 ex., Pawnar, Dist. Wardha, 14.ix.2013, coll. M.E. Hassan and party;

Distribution: India: Maharashtra (Nasik, Wardha), Karnataka

78. ***Homoecerus laevilineus*** Stal, 1873
(Fig. 78)

1873. *Homoecerus laevilineus* Stal, *En. Hem.,* **3**: 60.

1902. *Homoecerus laevilineus* Distant, *Fauna Brit. India, Rhynchota,* **1**: 367.

Material examined: 2 exs., Paladi, Dist. Bhandara, 3.ix.2013, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Bhandara), Meghalaya. *Elsewhere*: Myanmar, Sri Lanka.

*79. ***Homoecerus albiguttulus*** Stal, 1873
(Fig. 79)

1873. *Homoecerus albiguttulus* Stal, *En.* Hem., **3***:* 61.

1902. *Homoecerus albiguttulus* Distant, *Fauna Brit. India, Rhynchota,* **1**: 361.

Material examined: 1 ex., Nasi, Dist. Raigad, 2.vii.2012, coll. S. I. Kazmi and party; Satara Rly. Stn., Dist. Satara, 18.ix.2012, coll. M.E. Hassan and party;

Distribution: India: Maharashtra (Raigad, Satara), Assam, Meghalaya, Sikkim. *Elsewhere*: Myanmar.

80. ***Homoeocerus signatus*** (Walker, 1871)
(Fig. 80)

1871. *Prismatocerus signatus* Walker, *Cat. Het.* **4**(92): 97.

1871. *Homceocerus signatus* Walk..*Cat. Het*., **4**: 97.

1902. *Homceocerus signatus*: Distant, *Fauna Brit. India, Rhynchota,* **1**: 356.

Material examined: 5exs., Lion Safari Park, Sanjay Gandhi National Park, Boriveli, Dist. Mumbai, coll. P.P. Kulkarni and party;1ex., Modern nurseries, Dist. Dhule, 14.viii.14, coll. K. Chandra and party; 1ex., Dewari, Gayanganga WLS, Dist. Buldhana, 29.x.14, coll. M.E. Hassan and party; 1 ex., Malegaon, Dist. Washim, 5.xii.2014., coll. M.E. Hassan and party

Distribution: India: Maharashtra (Buldhana, Dhule, Mumbai, Washim), Chhattisgarh, Himachal Pradesh, Sikkim, *Elsewhere*: Pakistan, Sri Lanka.

Genus 64. ***Aschistocoris*** Bergroth, 1909

1909. *Aschistocoris* Bergroth, *Ann. Soc. Entomol. Belg.*, **53** : 34.

*81. ***Aschistocoris brevicornis*** (Dallas 1852)
(Fig. 81)

1852. *Aschistus brevicornis* Dallas, *List* of the specimens of hemipterous insects in the collection of the British Museum, **2**: 448.

1998. *Aschistocoris brevicornis*: Ahmad & Praveen, *Proc. Pak. Cong. Zool.*, **18**: 231-238.

Material examined: 1ex., near I.N.S. Shivaji, Lonavala, Khandala, Dist. Pune, 13.xi.1963, coll. B.K. Tikader.

Distribution: India: Maharashtra (Pune), Chhattisgarh, West Bengal.

Division 5. PHYSOMERARIA

Key to genera of the Division PHYSOMERARIA

1. Sutures of clavus as long as apical margin of corium.....*Physomerus*
– Sutures of clavus a little longer than corium.. 2
2. Mesosternum sulcate.....*Petalocnemis*
– Mesosternum not sulcate .....*Acanthocoris*

Genus 65. ***Physomerus*** Burmeister, 1835

1835. *Physomerus* Burmeister, *Handb.,* **2**: 341.

82. ***Physomerus grossipes*** (Fabricius, 1794) (Fig. 82)

1794. *Physomerus grossipes* Fabricius, *Ent.Syst.,* **4**: 135.

1902. *Physomerus grossipes*: Distant, *Fauna Brit. India, Rhynchota,* **1**: 383.

Material examined: 43 exs., Partapgarh Park, Dist. Pune, 18.i.1972, coll. S. K. Pradhan and party; 5 exs., Bhimasankar Forest, Dist. Pune, 2.viii.1965, coll. B. S. Lamba and party;

Distribution: India: Maharashtra (Pune), Assam, Meghalaya, Sikkim, West Bengal, Andama and Nicobar Is. *Elsewhere*: Sri Lanka, Myanmar

Genus 66. ***Petalocnemis*** Stal, 1854

1854. *Petalocnemis* Stal 1853, *Ofv. Vet. Ak. Forh.,* p. 259.

83. ***Petalocnemis obscura*** (Dallas, 1852) (Fig. 83)

1852. *Acanthocoris obscura* Dallas *List. Hem.*, **2**: 518.

1902. *Petalocnemis obscura*: Distant *Fauna Brit. India, Rhynchota,* **1**: 386.

Material examined: 1ex., near I.N.S. Shivaji, Lonavala, Khandala, Dist. Pune, 13.xi.1963, coll. B.K. Tikader; 1ex., Bijinagar, Dist. Sindhudurg, 28.vi.2014, M.E. Hassan and party.

Distribution: India: Maharashtra (Pune, Sindhudurg), Chhattisgarh, Meghalaya, Maharashtra, Punjab, West Bengal. *Elsewhere*: Sri Lanka.

Genus 67. ***Acanthocoris*** Amyot & Serville, 1843

1843. *Acanthocoris*Amy. & Serv., *Hem*: 213.

84. ***Acanthocoris scabrator*** (Fabricius, 1803) (Fig. 84)

1803. *Coreus scabrator* Fabricius, *Syst. Rhyng.* : 195.

1902. *Acanthocoris scabrator* Distant, *Fauna Brit. India, Rhynchota,* **1** : 385.

Material examined: 1ex., Dist. Sindhudurg, 22.vi.2014, M.E. Hassan and party

Distribution: India: Maharashtra (Sindhudurg), Assam, Karnataka, Meghalaya, Sikkim. Elsewhere: Myanmar, Sri Lanka.

Division 6 GONOCERARIA

Key to genera of the Division GONOCERARIA

1. Segmental angles of abdomen not exteriorly acutely produced..... *Cletus*
– Segmental angles of abdomen exteriorly acutely produced.....*Cletomorpha*

Genus 68. ***Cletus*** Stal, 1860

1860. *Cletus* Stal, *Freg. Eug. Resa, Ins. Hem*: 236.

Key to the species of the genus *Cletus*

1 Body length of adult may reach up to 12m.m. the apices of lateral margin of pronotum produced into long black spines.....*punctiger*
– Body length of adults reach up to 10 m.m.; apices of the pronotum not much produce... 2
2. Pronotal angles shortly and rosately produced ending into fuscous spines; femora without yellow brown spots; breadth between pronotal angles 3.5-4 m.m .....*bipunctatus*
– Pronotal angles widely and acutely produced ending into short thick yellow brown spines; breadth between pronotal angles 4.5-5 m.m... ..... *punctulatus*

85. ***Cletus bipunctatus*** (Westwood, 1840)
(Fig. 85)

1842. *Coreus bipunctatus* Westwood, *in Hope Cat.*, **2** : 23.

1902. *Cletus bipunctatus*: Distant, *Fauna Brit. India, Rhynchota,* **1**: 393.

Material examined: 3exs., Pond Nrarkatraj Tank, Dist. Pune, 31.x.79, coll. R.H. Kamble and party; 2ex, Dewra, Dist. Bhandara, 6.ix.2013, coll. M.E. Hassan and party; 1ex, Bor WLS, Dist. Wardha, 13.ix.2013, coll. M.E. Hassan and party; 2ex, Aklod, Dist. Akola, 26.x.2014, coll. M.E. Hassan and party; 1ex, Wagori, Dist. Akola, 26.x.2014, coll. M.E. Hassan and party; 1ex, Pawnar, Dist. Wardha, 14.ix.2013, coll. M.E. Hassan and party. 1ex, Nagshiri, Dist. Akola, 27.x.2014, coll. M.E. Hassan and party. 1ex, Ranjangaon, Dist. Sindhudurg, 29.xi.2014, coll.M.E. Hassan and party; 2 exs., Apalapa road, Manisang, Dist. Akola, 25.x.2014, coll. M.E. Hassan and party; 3 exs., Phonda, Dist. Sindhudurg, 26.vi.2014, coll. M.E. Hassan and party; 1 ex, Jamrunphata, Dist. Washim, 05.xi.2014, coll. M.E. Hassan & party; 1 ex., Pawnar, Dist. Wardha, 14.ix.2013, coll. M.E. Hassan and party

Distribution: India: Maharashtra (Akola, Bhandara, Pune, Sindhudurg, Washim, Wardha), Chhattisgarh Himachal Pradesh, Maharashtra, West Bengal, Karnataka. *Elsewhere*: Myanmar, Sri Lanka.

*86. ***Cletus punctulatus*** (Westwood, 1842)
(Fig. 86)

1842. *Coreus punctulatus* Westwood, *In Hope Cat.,* **2**: 23.

1902. *Cletus punctulatus*: Distant, *Fauna Brit. India, Rhynchota,* **1** : 392.

Material examined: 1ex., M. Phule Krishi Vidyapith, Rahuri, Dist. Pune, 11.vi.1982, coll. B. Dutta and party; 1ex, Satpura Botanical Garden, Dist. Nagpur, 17.x.2013, coll. M.E. Hassan and party; 1ex, Kalmeshwar, Dist. Nagpur, 18.x.2013, coll. M.E. Hassan and party; 1ex, Sewagram, Dist. Wardha,14.ix.2013, coll. M.E. Hassan and party; 6exs., Nagewadi, Dist. Jalna, 1.xi.2014, coll. M.E. Hassan and party; 2exs., Lalkheri, Dist. c, 10.xi.2014, coll. M.E. Hassan and party; 2 exs., Aklod, Dist. Akola, 26.x.2014, coll. M.E. Hassan and party; 1 ex, Ladkhed, Dist. Yavatmal, 27.i.2019, coll. Sheela, S. and party; 1 ex, Rangaon, Dist. Amravati, 8.xi.2014, coll. M.E. Hassan and party; 1 ex, Degaon, Dist. Solapur, 16.vi.2014, coll. M.E. Hassan and party; 1 ex, Ambad, Dist. Jalna, 2.xi.2014, coll. M.E. Hassan and party; 1 ex., Sevagram, Dist. Wardha, 14.ix.2013, coll. M.E. Hassan and party; 2 exs., Malegaon, Dist. Washim, 5.xii.2014., coll. M.E. Hassan and party; 2 exs., Kathoda, Dist. Amravati, 08.xi.2014, coll. M.E. Hassan and party; 3 exs., Mirkala, Dist. Beed, 7.iii.2015, coll. M.E. Hassan and party; 1 ex, Nidana, Dist. Jalna, 1.xi.2014, coll. M.E. Hassan and party; 2 exs, Mudkhed, Dist. Nanded, 23.ii.2015, coll. M.E. Hassan and party; Wagoli, Dist. Akola, 26.x.2014, coll. M.E. Hassan & party;1 ex., Jamrunphata, Dist. Washim, 05.xi.2014, coll. M. E. Hassan & party; 1 ex., Safepur, Dist. Beed, 06.iii.2015, Coll. M.E. Hassan & party; 1 ex. Phonda, Dist. Sindhudurg, 26.vi.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Akola, Amravati, Beed, Jalna, Nanded, Nagpur, Pune, Sindhudurg, Solapur, Wardha, Washim, Yavatmal), Chhattisgarh, Himachal Pradesh, Meghalaya, Nagaland, Sikkim, and West Bengal.

*87. ***Cletus punctiger*** (Dallas, 1852)
(Fig. 87)

1852. *Gonocerus punctiger* Dallas, *List. Hem.,* **2** : 494.

1902. *Cletus punctiger*: Distant, *Fauna Brit. India, Rhynchota,* **1**: 393.

Material examined : 1 ex., Swar , Dist. Kolhapur, 25.vii. 2011, coll. S.I. Kazmi and party.

Distribution: India: Maharashtra (Kolhapur), Chhattisgarh, Himachal Pradesh, Punjab, West Bengal; *Elsewhere*: China, Pakistan, Myanmar.

Genus 69. ***Cletomorpha*** Mayar,1866

1866. *Cletomorpha* Mayr, *Reise Nov., Hem.,* **1** : 118.

88. ***Cletomorpha hastata*** (Fabricius, 1787)
(Fig. 88)

1787. *Cimex hastata* Fabricius, *Mant.,* **2** : 287.

1902. *Cletomorpha hastate* : Distant, *Fauna Brit. India, Rhynchota,* **1**: 396.

Material examined: 2exs., M. Phule Krishi Vidyapith, Rahuri, Dist. Pune, 11.v.1982, coll. B. Dutta and party; 1 ex., Antarwala, Dist. Jalna, 2.xi.2014, M.E. Hassan and party; 4 exs., Malapuri,

Dist. Beed, 07.iii.2014, coll. B. Dutta and party; 1 ex., Wakhed, Dist. Nanded, 23.ii.2015, coll. M.E.Hassan and party; 1 ex., Hislop college, Dist. Nagpur, 2.xi.2014, coll. Nilesh.

Distribution: India: Maharashtra (Beed, Jalna, Nagpur, Nanded, Pune), Chhattisgarh, Himachal Pradesh, West Bengal; *Elsewhere*: Pakistan.

Subfamily XI. HYDARINAE

Genus 70. ***Hydarella*** Bergroth, 1925

1925. *Hydarella* Bergroth, *Konowia*,: 82-85.

89. ***Hydarella orientalis*** (Distant, 1902*)
(Fig. 89)

1902. *Hydara orientalis* Distant, *Fauna Brit. India, Rhynchota,* **1**: 398.

2006. *Hydarella orientalis* Dolling, *Cat. Het. Pal. Reg*., **5**: 44.

Material examined: 3 exs. Valsang, Dist. Solapur, 18.vi.2014, coll. M.E. Hassan and party; 3 exs. Bujwade, Dist. Kolapur, 23.vi.2014, coll. M.E. Hassan and party; 1 ex. Phonda, Dist. Sindhudurg, 26.vi.2014, coll. M.E. Hassan and party

Distribution: India: Maharashtra (Kolahapur, Solapur, Sindhudurg), West Bengal. *Elsewhere:* Myanmar.

Subfamily XII PSUDOPHLOCINAE

1. Scutellum elevated and convex; antenniferous tubercles unarmed..... *Clavigralla*
– Scutellum plain, not elevated; 2
2. Pronotum without large tubercles either sublaterally or on disc; pubescens of pronotum uniform..... *Gralliclava*
– Pronotum with the disc and lateral margin with large granules and tubercles posterolateral spines short blunt or acute arising abruptly from the sngles, directed laterally; posterior margin straight without humeral spines .... *Neohoplolomia*

Genus 71. ***Clavigralla*** Spinola, 1837

1837. *Clavigralla* Spinola, *Spin. Ess.*,: 202.

90. ***Clavigralla gibbosa*** Spinola, 1837
(Fig. 90)

1837. *Clavigralla gibbosa* Spinola, *Ess.*,: 202.

1902. *Clavigralla gibbosa* : Distant, *Fauna Brit. India, Rhynchota,* **1**: 401.

Material examined: 1ex., Sambharkund, Radhanagari, Dist. Kolhapur, 8.iii.2010, coll. P.S. Bhatnagar; 1 ex, Wagoli, Dist. Akola, 26.x.2014, coll. M.E. Hassan and party; 1 ex, Persoda, Dist. Amravati, 9.xi.2014, coll. M.E. Hassan and party; 1 ex, Kupwada, Dist. Sangli, 21.vi.2014, coll. M.E. Hassan and party; 1 ex, Phonda, Dist. Sindhudurg, 26.vi.2014, coll. M.E. Hassan and party; 1 ex, Kathora, Dist. Amravati, 5.xi.2014, coll. M.E. Hassan and party; 1 ex., Pali, Dist. Beed, 6.iii.2015, coll. M.E. Hassan and party; 1 ex., Dagdumra, Dist. Washim, coll. M.E. Hassan & party; 1 ex., Kotrewadi, Dist. Solapur, 18.vi.2014, coll. M.E. Hassan and party; 1 ex., Kathoda, Dist. Amravati, 08.xi.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Amaravati, Akola, Beed, Kolhapur, Sangli, Sindhudurg, Solapur, Washim), Chhattisgarh, Karnataka. *Elsewhere*: Myanmar.

Genus 72. ***Gralliclava*** Dolling, 1978

1978. *Grassiclava* Dolling, *Bull. Br. Mus. (Nat. Hist.) Entomol.* **36**(6) : 304.

91. ***Gralliclava horrens*** Dohrn, 1860
(Fig. 91)

1860. *Gralliclava horrens* Dohrn, *Stettin. Entomol. Zeit.* **21**: 403

2006. *Gralliclava horrens* Dolling, *Cat. Het. of the Palaearctic Region,* **5**: 45-46

Material examined: 1ex., Sambharkund, Radhanagari, Dist. Kolhapur, 8.iii.2010, coll. P.S. Bhatnagar.

Distribution: India: Maharashtra (Kolhapur), Chhattisgarh, All over India, *Elsewhere:* Myanmar

Genus 73. ***Neohoplolomia*** Distant, 1913

1913. *Neohoplolomia* Distant, *Ann. Mag. Nat. Hist.,* **8**(12): 284.

92. ***Neohoplolomia typica*** Distant, 1913*
(Fig. 92)

1913. *Neohoplolomia typica* Distant, *Ann. Mag. Nat. Hist.*, **8**(12): 284-285

1986. *Neohoplolomia typica* Dolling, *Bull. Brit. Mus*. (Nat. Hist.) *Entomol*., **53**: 172-174

Material examined: 1ex., Pawana Dam, Dist. Pune, 21.iii.1979, coll. D.K. Mathew and party; 1 ex., Forest Training Centre, Kannya nagar, Dist. Jalna, 3.xi.2014, M.E. Hassan and party.

Distribution: India: Maharashtra (Jalna, Pune), Tamil Nadu.

Family IX. STENOCEPHALIDAE

Genus 74. ***Dicranocephalus*** Hahn, 1826

1826. *Dicranocephalus* Hahn., *Ic. Mon. Cimi.*,: 24.

93. ***Dicranocephalus lateralis*** (Signoret, 1879) (Fig. 93)

1879. *Stenocephalus lateralis* Signnoret, *Bull. Soc. Zool. Fr.,*: 72

2006. *Dicranocephalus lateralis:* Dolling, *Cat. Het. Palae. Reg,* **5**: 5.

Material examined: 2exs., Ranidoh R.H., Pench National Park, Dist. Nagpur, 26.ix.1997, coll. D.B. Bastawade and party

Distribution: India: Maharashtra (Nagpur), Chhattisgarh, Tamil Nadu, *Elsewhere*: Sri Lanka.

Family X **ALYDIDAE**

Key to the subfamilies of the family ALYDIDAE

1. 1st joint of rostrum extend beyond the eyes; pronotum posteriorly about one and a half times as long as width of the head..... ..... MICRELYTERINAE
– 1st joint of rostrum not extending behind the eyes; head large, not or slightly shorter than the pronotum .....ALYDINAE

Subfamily XIII. MICRELYTERINAE

Genus 75. ***Leptocorisa*** Latreille, 1829

1892. *Leptocorisa* Latreille, *Fam. Nat.,:* 421.

Key to the species of the genus *Leptocorisa*

1. Venter with a series of lateral dark spots on ventrites 3-6.....*oratorius*
– Venter entirely pale; callosities near pronotal posterior angles small and pale.....*acuta*

94. ***Leptocorisa oratoria*** (Fabr., 1794) (Fig. 94)

1794. *Gerris oratorius* Fabricius, *Ent. Syst. Em. Auc. Sec.*, **4**: 191.

2006. *Leptocorisa oratorius*: Dolling. *Cat. Het. Palae. Reg.*, **5**: 30.

Material examined: 3exs., Sevagram, Dist. Wardha, 14.ix.2013, coll. M.E. Hassan and party; 1ex., Belati, Dist. Sholapur, 16.vi.2014, coll. M.E. Hassan and party; 5 exs., Bor WLS, Dist. Wardha, 13.ix.2013, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Sholapur, Wardha), Chhattisgarh, Assam, Jharkhand, Meghalaya, Orissa, Sikkim, Tamil Nadu, Uttar Pradesh, Karnataka, Kerala, West Bengal. *Elsewhere*: Australia, Bangladesh, Bhutan, China, India, Indonesia, Malaysia, Solomon island, Sri Lanka and Tibet.

*95. ***Leptocorisa acuta*** (Thunberg, 1783) (Fig. 95)

1902. *Leptocorisa acuta* Distant, *Fauna Brit. India, Rhynchota,* **1**: 410.

2006. *Leptocorisa acuta* : Dolling. *Cat. Het. Palae. Reg.,* **5** : 29-30.

Material examined: 1 ex, Nagewadi, Dist. Jalna, 1.xi.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Jalna), Chhattisgarh, West Bengal. *Elsewhere*: Bhutan, China, Fiji, India, Indonesia, Malaysia, New Caledonia and Samoa.

Subfamily XIV. ALYDINAE

Key to the genera of the subfamily ALYDINAE

1. Posterior femora long, finely spined beneath, slightly thickened from base to apex; posterior tibiae straight with single row of spines at about one third from base, clothed with spinulose hairs; fourth joint of antennae not longer than the proceedings joints taken together..... ..... *Nariscus* Stal
– Posterior femora as long as posterior tibiae; fourth joint of antennae longer than two proceedings joints taken together 2
2. Head shorter than pronotum; first joint of antennae not clavate at apex; posterior femora slender; posterior tibiae straight..... ..... *Riptortus* Stal
– Head as long as pronotum; first joint of antennae moderately clavate at apex; posterior femora

thickened strongly incrassate, shortly spined beneath; posterior tibiae strongly curved ....*Tenosius* Stal

Genus 76. ***Nariscus*** Stal, 1866

1866. *Nariscus* Stål. *Hemip. Afr.*, **2**: 8.

96. ***Nariscus fisheri*** (Distant, 1908)
(Fig. 96)

1908. *Akbaratus fisheri* Distant, *Fauna Brit. India, Rhynchota*, **4** : 486.

2006. *Nariscus fisheri*: Dolling, *Cat. Het. Palae. Reg.,* **5**: 39.

Material examined: 1 ex., Bijlinagar, Dist. Sindhudurg, 22.vi.2014, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Sindhudurg), Chhattisgarh, Uttarakhand.

Genus 77. ***Tenosius*** Stal, 1859

1859. *Tenosius* Stål. *Öfv. Vet. Ak-Förh.,* **16** : 459, 460.

*97. ***Tenosius proletarius*** (Schaum, 1853)
(Fig. 97)

1853. *Alydus proletarius* Schaum. *Akad. De. Wiss. Ber.,*: 358

1907. *Tenosius proletarius* Distant, *Fauna Brit. India, Rhynchota*, **4**: 484.

Material examined: 1ex., Nagawadi, Jalna, 1.xi.14, coll. M.E. Hassan and party.

Distribution: India: Maharashtra (Jalna), Bihar, West Bengal. *Elsewhere:* South Africa.

Genus 78. ***Riptortus*** Stal, 1860

1860. *Riptortus* Stal, *Ofv. Vet.-Ak. Forh.,*: 460.

Key to the species of genus *Riptortus*

1. A dark castaneous lateral fascia on each side of head, not extending beyond base of antennae ..... *pedestris*
– A sublateral levigate pale ochraceous fascia margined with black on each side of head and sternum.....*linearis*

98. ***Riptortus pedestris*** (Fabricius, 1775)
(Fig. 98)

1775. *Gerris pedestris* Fabr., *Syst. Ent.,* : 727.

1902. *Riptortus pedestris* Dist., *Fauna Brit. India, Rhynchota*, **1:** 414.

Material examined: 1ex., Kanheri caves, Sanjoy Gandhi National Park, Dist. Mumbai 15.xii.2010, P.P. Kulkarni and party; 2 exs., Debada, Dist. Chandarpur, 6.ix.2013, coll. M.E. Hassan and party; 1 ex, Hatheri, Dist. Buldhana, 30.x.2014, coll. M.E. Hassan and party; 1 ex, Chauroli, Dist. Pune, 22.xii.2011, coll. S.I. Kasmi and party; 1 ex., Malegaon, Dist. Washim, 5.xii.2014., coll. M.E. Hassan and party; 1 ex., Tandarwadi, Dist. Buldhana, 30.x.2014, coll. M.E. Hassan & party; 1 ex., Forest Training Institute, Jalna, Dist. Jalna, 3.xi.2014, coll. M.E. Hassan & party; 1 ex., Ninyar, Kudal; Dist. Sindhudurg, 31.xi.2011, coll. M.E. Hassan & party.

Distribution: India: Maharashtra (Buldhana, Chandrapur, Jalna, Mumbai, Pune, Sidhudurg, Washim), Chhattisgarh, Karnataka, Meghalaya. *Elsewhere:* Malay peninsula, Myanmar, Sri Lanka.

99. ***Riptortus linearis*** (Fabricius, 1775)
(Fig. 99)

1775. *Lygaeus linearis* Fabr., *Syst. Ent.,*: 710.

1902. *Riptortus linearis*: Dist., *Fauna Brit. India, Rhynchota*, **1:** 415.

Material examined: 2 exs., Ambad, Dist. Jalna, 2.xi.2014, coll. M.E. Hassan and party; 2exs., Pipalphula, Dist. Amravati, 9.xi.2014, coll. M.E. Hassan and party; 1 ex, Ramgaon, Dist. Amravati, 8.xi.2014, coll. M.E. Hassan and party; 3exs., Belati, Dist. Sholapur, 16.vi.2014, coll. M.E. Hassan and party; 1 ex., Malegaon, Dist. Washim, 5.xii.2014., coll. M.E. Hassan and party; 1 ex., Kathoda, Dist. Amravati, 08.xi.2014, coll. M.E. Hassan & party.

Distribution: India: Maharashtra (Amravati, Jalna, Sholapur, Washim), Chhattisgarh, Karnataka, Sikkim, West Bengal. *Elsewhere:* Myanmar, several islands of the Malayan Archipelago.

Family XI. RHOPHALIDAE

Key to the subfamilies of the family RHOPALIDAE

1. Anterior lateral margins of the pronotum not or obtusely sinuate; areole at anterior apical area of corium quadrangular .....RHOPHALINAE
– Anterior lateral margins of the pronotum

distinctly angulately emarginate; areolus at interior apical area of corium triangular .... SERINATHINAE

Subfamily XV. RHOPHALINAE

Genus 79. ***Liorhyssus*** Stal, 1870

1870. *Liorhyssus* Stal, *En. Hem.,* **1**: 222.

Key to species of the genus *Liorhyssus*

1. Scutellum black, its apex reddish or ochraceous; corium ochraceous, its apical area more or less reddish- piceous or reddish ; body beneath red; body beneath red; abdomen witha series of luteous spots on each lateral area, the extreme lateral margins alternately black and brown .. ..*rubicundus*

– Scutellum somewhat acute at the apex, punctured with black and clothed with long whitish hairs, body beneath ochraceous; abdomen impunctate, clothed with short pale hairs .....*hyalinus*

100. ***Liorhyssus rubicundus*** (Signoret, 1859) (Fig. 100)

1859. *Corizus rubicundus* Signoret, *Ann. Soc. Ent. Fr.,* **3**(7): 86.

1902. *Liorhyssus rubicundus*: Dist., *Fauna Brit. India, Rhynchota*, **1:** 415.

Material examined : 1ex., Kinnala, Chopala, Dist. Nandurbar, 10.iii.2013,coll. M,E.Hassan and party; 1ex., Kalyani Park, Dist. Nandurbar, 10.iii.2013, coll. M.E. Hassan and party; 1 ex., Gayanganga WLS, Dist. Buldhana, coll. M.E. Hassan & party

Distribution: India: Maharashtra (Buldhana, Nandurbar), Chhattisgarh. *Elsewhere:* Sri Lanka.

*101. ***Liorhyssus hyalinus*** (Fabricius, 1794) (Fig. 101)

1794. *Lygaeus hyalinus* Fabricius, *Ent. Syst.* **4**: 168

2009. *Liorhyssus hyalinus* Werner, *Heteropteron*, **31**: 35-36

Material examined: 1 ex., Agartakli, Dist. Nasik, 4.iii.2013, coll. M.E. Hassan & party.

Distribution: India: Maharashtra (Nasik), Chhattisgarh, West Bengal.

Subfamily XVI. SERINATHINAE

Genus 80. ***Leptocrios*** Hahn, 1831

1831. *Leptocoris* Hahn, *Wanz. Ins.,* **1**: 200.

102. ***Leptocoris augur*** (Fabricius, 1781) (Fig. 102)

1781. *Cimex augur* Fabr., *Spec. Ins.,* **2**: 366.

1902. *Serinetha augur* : Distant, *Fauna Brit. India, Rhynchota*, **1**: 420.

2006. *Leptocoris augur*: Dolling, *Cat. Het. Palae. Reg.*, **5**: 9.

Material examined: 1 ex., Bujwadi, Dist. Kolhapur, 23.vi.2014, coll. M.E. Hassan & party; 1 ex., Bijlinagar, Dist. Sindhudurg, 28.vi.2014, coll. M.E. Hassan & party.

Distribution: India: Maharashtra (Kolhapur, Sindhudurg), Assam, Chhattisgarh, Tamil Nadu, West Bengal. *Elsewhere:* Sri Lanka, West Yunnan, Malay Peninsula, and Hainan.

Superfamily IV. LYGAEOIDEA

Family XII. LYGAEIDAE

Key to the subfamily of LYGAEIDAE

1. Usually dull brown or mottled brown, black and white; hemelytra not partly hyaline..... ..... RHYPAROCHROMINAE

– Usually dull brownish yellow; hemelytra partly hyaline..... 2

2. Apical corial margin straight..... ..... ORSILLINAE

– Apical corial margin sinuate on basalhalf 3

3. Cross vein absent on membrane of forewing . ..... LYGAEINAE

– Cross vein present on membrane of forewing ceating a closed basal cell 4

4. All abdominal spiracles ventral ....HETEROGASTRINAE

– All abdominal spiracles not ventral..... 5

5. Abdominal spiracles 3-7 ventral..... .....OXYCARENINAE

– Abdominal spiracles 2-4 dorsal 6

6. Body usually stout and ovoid ....GEOCORINAE

– Body usually coarsely punctuate 7

7. Hemelytra coarsely punctuate..... CYMINAE

– Hemelytra impunctate or at most with only weak, scattered punctures ..... BLISSINAE

Subfamily XVIIRHYPAROCHROMINAE

Key to the tribe of Rhyparochrominae

1. Abdominal spiracle of segment 2 ventral and segments 3 and 4 dorsal .... **Rhyparochromini**
– Abdominal spiracle on segments 2- 4 dorsal.. 2
2. Inner laterotergites absent..... **Myodocini**
– Inner laterotergites present 3
3. Apical corial margin straight, no inner laterotergites present, head frequently with iridescent areas present basally; abdominal scent- gland scar between terga 5/6 minute or absent ..... **Lethaeini**
– Apical corial margin deeply concave;inner laterotergites present, head lacking iridescent areas;abdominal scent-gland scars present between terga ¾, 4/5, and 5/6 ... **Antillocorini**

Tribe **Rhyparochromini**

Key to the genera of tribe Rhyparochromini

1. Pronotum narrowly carinate or sub- carinate and strongly sinuate ..... *Metochus*
– Pronotum strongly punctuate, without carination 2
2. Anterior pronotal lobe and basal half of scutellum dark brown to black .... *Elasmolemus*
– Anterior part of pronotal lobe and base of scutellum not dark brown to black..... 3
3. Scutellum length and width equal or subequal ..... *Rhyparothethus*
– Scutellum always longer than broad..... 4
4. Pronotum long, more or less constricted near middle ..... *Dieuches*
– Pronotum short, as broad as head..... ..... *Lachnesthus*

Genus 81. ***Metochus*** Scott, 1874

1874. *Metochus* Scott, *Ann. Mag. Nat. Hist*., **14**(4): 433-434.

103. ***Metochus uniguttatus*** (Thunberg, 1922) (Fig. 103)

1922. *Pendulinus uniguttatus* Thunberg, *Hem. Rost. Cap*., **4**: 6.

1988. *Metochus uniguttatus* (Thunberg): Mukhopadhyay, *Rec. zool. Surv.I ndia. Occ. Paper No.* **107**: 5.

Material examined: 1ex, Wagoli, Dist-Akola, 26.x.2014, M.E. Hassan & Party coll; 2exs, Bhuswal, Dist-Jalgaon, 28.III.2013, M.E. Hassan & Party Coll .

Distribution: India: Maharashtra (Dist-Akola, Jalgaon); Andaman & Nicobar Islands, Assam, Himachal Pradesh, Karnataka, Maharashtra, Meghlaya, Uttarakhand, West Bengal. *Elsewhere*: China, Malayan Archipelagos, Myanmar, Philippines, Sri Lanka, Sumatra.

Genus 82. ***Elasmolomus*** Stal, 1872

1872. *Elasmolomus* Stal, *Ofv .Vet. Akad. Forh*., **89 :** 58.

Key to the species of genus *Elasmolomus*

1. Antennal segment II more than twice segment I and longer than III segment ; anterior pronotal lobe reddish brown. ..... *sordidus*
– Antennal segment II about twice segment I and subequal to segment III ; anterior pronotal lobe and base of scutellum fuscous brown .... *paralineosus*

104. ***Elasmolomus sordidus*** (Fabricius, 1787) (Fig. 104)

1787. *Cimex sordidus* Fabricius, *Mant. Ins*., **2** : 302.

1988. *Elasmolomus sordidus*: Mukhopadhyay, *Rec. Zool. Surv. India. Occ. Paper* No, **107** : 50.

2010. *Elasmolomus sordidus*: Saha and Bal, *Fauna of Uttarakhan, State Fauna Series*., **18** (Part-2):221.

Material examined : 1ex, Wagoli, Dist-Akola, 26.x.2014, M.E. Hassan & Party Coll; 1ex, Mohari, Dist- Dhule, 8.iii.2013, M.E. Hassan & Party Coll; 2exs, Dharmapuri, Dist-Parbhani, Lat-19.308575, Long-76.726646, 10.iii.2015, M.E. Hassan & Party Coll. 1ex, Bijlinagar, Dist- Sindhudurg, 28.vi.2014, M.E. Hassan & Party Coll.

*Distributio*n : India: Maharashtra (Dist-Akola, Dhule, Parbhani, Sindhudurg,); Himachal Pradesh, Maharashtra, Meghalaya, Nagaland, Uttarakhand, West Bengal. *Elsewhere* : China, Myanmar, Sri Lanka.

*105. ***Elasmolomus paralineosus*** Mukhopadhyay, 1988 (Fig. 105)

1988. *Elasmolomus paralineosus* Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.*, **107** : 51-52.

Material examined :1ex, Malhura, Dist-Hingioli, 11.iii.2015, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist-Hingioli); West Bengal.

Genus 83. ***Rhyparothesus*** Scudder, 1962

1962. *Rhyparothesus* Scudder, *Can. Ent*., **95** : 983.

Key to the species of genus *Rhyparothesus*

1. Corium coarsely punctuate, with scattered black dots on lateral margin ..... *orientalis*
– Corium more prominently speckled with ochraceous of lateral margin 2
2 Membrane pale fuliginous, basal area piceous .....*sparsus*
– Membrane smoky of basal half except one pale undulating veins and two spots..... 3
3 Pronotum broad, lateral margins obliquely rounded;rostrum reaching up to procoxae..... .....*kangricus*
– Pronotum narow, lateral margins litle rounded; rostrum crosing procoxaedudgeoni .. *dudgeoni*

*106. ***Rhyparothesus orientalis*** (Distant, 1904) (Fig. 106)

1904. *Aphanus orientalis*Distant, *Fauna of Brit. India. Rhyn.* Vol. **2** : 81.
1964. *Rhyparothesus orientalis* Slater, *Catalogue of the Lygaeidae of the world*, **2**: 1336.

Material examined : 1ex, Jalgaon, Dist-Jalgaon, 24.ii.2013, M.E. Hassan & Party coll.

Distribution : India : Maharashtra (Dist- Jalgaon); Bihar, Karnataka.

107. (Distant, 1904) (Fig. 107)

1904. *Aphanus orientalis* Distant, *Fauna of Brit. India. Rhyn*., **2** : 81.
1964. *Rhyparothesus sparsus* Slater, *Catalogue of the Lygaeidae of the world*, **2**: 1289.
1988. *Rhyparothesus sparsus*: Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.* **107**: 50.
2010. *Rhyparothesus sparsus*: Saha and Bal, *Fauna of Uttarakhand, State Fauna Series* **18**(Part-2) : 222.

Material examined: 1ex, Bijlinagar, Dist-Sindhudurg, 28.vi.2014, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist-Sindhudurg), Assam, uttarakhand, West Bengal.

108. ***Rhyparothesus kangricus*** (Kirkaldy, 1907) (Fig. 108)

1907. *Aphanus kangricus*, Kirkaldy, *Canad. Ent*., **39**: 331
1910. *Rhyparothesus kangricus* Kirkaldy, *Fauna. Brit. India. Rhyn*. Vol-**5** : 67-68.

Material examined : 1ex, Dharmapuri, Dist-Parbhani, N19.308575, E76.726646, 10.iii.2015, M.E. Hassan & Party Coll.

Distribution : India : Maharashtra (Dist-Parbhani), Himachal Pradesh.

109. ***Rhyparothesus dudgeon*** (Distant, 1909) (Fig. 109)

1909. *Aphanus dudgeoi* Distant, *Ann. Mag. Nat. Hist*., (8) **3** : 336.
1910. *Aphanus dudgeon* Distant, *Fauna. Brit. India. Rhynchota*, **5** : 68-69.
1962. *Rhyparothesus dudgeon* : Scudder, *Entom.,* **20**(6): 387.

Material examined : 1ex, Bijlinagar, Dist-Sindhudurg, 28.vi.2014, M.E. Hassan & Party Coll.

Distribution : India: Maharashtra (Sindhudurg); Himachal Pradesh.

Genus 84. ***Dieuches*** Dohrn 1860

1860. *Dieuches* Dohrn, *Slett. Ent. Zeit*., **21** : 159.

Key to the species of genus *Dieuches*

1. Lateral margin of pronotum sinuate not ampliate 2
– Lateral margin of pronotum strongly ampliate but not reflexed..... *insignis*
2 Lateral margin of the pronotum uniformly narrowed anteriorly; posterior pronotal margin more than two and a half times of coller..... ..... *femoralis*
– Lateral pronotal margins run almost parallel and sharply bend to give a rounded anterior edge; pronotal base two and a half (or little less) times wider than collar 3
3 Pronotal base sub equal to the length of pronotum; corium pale at apex and having a

castaneous fascia at subapical region..... ..... *leucocerus*

– Pronotal base always broader than legth, corium uniformly brownish ochraceous without any castaneous fascia.....*coloratus*

110. ***Dieuchus insignis*** (Distant, 1904) (Fig. 110)

1904. *Critobulus insignis* Distant, Fauna. *Brit. India. Rhynch.* **2**: 77.

1904. *Dieuchus insignis* Distant, *Fauna. Brit. India. Rhynch.* **2**: 82.

Material examined : 2exs , Ukshi, Dist-Ratnagiri, 01.VII.2014, M.E.Hassan & Party Coll.

Distribution : India : Maharashtra (Dist-Ratnagiri), Assam. *Elsewhere* : Malaya.

*111. ***Dieuches femoralis*** Dohrn, 1860 (Fig. 111)

1860. *Dieuches femoralis* Dohrn, *Slett. Ent. Zeit*., **21** : 405.

1988. *Dieuches femoralis*: Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No*. **107**: 55-56.

2010. *Dieuches femoralis*; Saha and Bal, *Fauna of Uttarakhand, State Fauna Series,* **18**, Part-2 : 220.

Material examined : 1ex, Kodnagar, Dist-Kolhapur, 23.vi.2014, M.E. Hassan & Party Coll; 1ex, Fantri, Dist- Nagpur, 18.ix.2013, M.E. Hassan & Party Coll.

Distribution: India : Maharashtra (Dist- Kolhapur, Nagpur), Assam, Kashmir, Nagaland, Uttarakhand, West Bengal, Sikkim. *Elsewhere*: Bhamo, China, Japan, Myanmar, Malewoon, Palon, Sri Lanka, Thailand.

112. ***Dieuches leucoceras*** Walker, 1872 (Fig. 112)

1872. *Dieuches leucoceras* Walker, *cat, Hem. Het. B.M*., **5**: 98-99.

1988. *Dieuches leucoceras* : Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No*., **107**: 56 .

2010. *Dieuches leucoceras* : Saha and Bal, *Fauna of Uttarakhand, State Fauna Series,* **18**(Part-2) :221.

Material examined: 1ex, Kodnagar, Dist-Kolhapur, 23.vi.2014, M.E.Hassan & Party Coll; 1ex, Bijlinagar, Dist-Sindhudurg, 28.vi.2014, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist- Kolhapur, Sindhudurg); Assam, Kashmir, Uttarakhand, West Bengal. *Elsewhere* : Australia, Iran, Sri Lanka.

113. ***Dieuches coloratus*** (Distant, 1909) (Fig. 113)

1909. *Abanus coloratus* Distant, *Ann. Mag. Nat. Hist*., (8)**3** : 493.

1910.*Abanus coloratus* : Distant, *Fauna. Brit. India. Rhynch*., Vol. **5** : 82.

1962. *Dieuchus coloratus*: Scudder, *Can. Ent*., **94** : 766.

Material examined: 2exs, Agar Takli, Dist-Nasik, 4.iii.2013, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist-Nasik); Bihar. *Elsewhere* : Lanka, Thailand

Genus 85. ***Lachnesthus*** Scudder, 1962

1962. *Lachnesthus* Scudder, *Can. Ent*., **94** : 768.

114. ***Lachnesthus singalensis*** (Dohrn, 1860) (Fig. 114)

1860. *Rhyparochromus singalensis* Dohrn, *Stett. Ent. Zeit*., **21** : 404.

1904. *Lachnophorus singalensis* : Distant, *Fauna. Brit. India. Rhynch*., **2** : 69.

1962. *Lachnesthus singalensis* : Scudder, *Can. Ent*., **94** : 768.

Material examined : 2 exs, Jalgaon, Dist-Jalgaon, 24.ii.2013, M.E. Hassan & Party Coll; 2exs, Bhor, Dist-Pune, 28.x.2012, K. Chandra & B. Mitra party Coll.

Distribution : India: Maharashtra (Dist-Jalgaon, Pune), Assam. *Elsewhere*: Kenya, Madagascar, Natal, Nyasaland, South Africa, Seychelles, Sri Lanka, Sudan.

Tribe **Myodocini**

Key to the genera of the tribe Myodocini

1. Pronotum with numerous long bristle like hairs; Collar moderately broad; posterior lobe of pronotum coarsely punctate....*Pachybrachis*

– Pronotum without long bristle like hairs.....2

2. Head broader than long..... .....*Pseudopachybrachius*

– Head as long as broad or longer than its breadth.....4

3. Length of the anterior pronotal lobe almost twice the length of posterior pronotal lobe; basal margin of pronotum concavely truncate .....*Paromius*

– Length of anterior pronotal lobe almost equal to posterior pronotal lobe; basal margin of pronotum straight or slightly covex and and subequal to pronotal length ....*Paraeucosmetus*

Genus 86. ***Pseudopachybrachius*** Malipatil, 1978

1978. *Pseudopachybrachius* Malipatil, *Aust. J.zool., Supplementary Series no*. **56**, p. 36 .

115. ***Pseudopachybrachius guttus*** Malipatil, 1978 (Fig. 115)

1978. *Pseudopachybrachius guttus* Malipatil, *Aust. J. zool., Supplementary Series no*. **56**, p. 63.

1988. *Pseudopachybrachius guttus* : Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.* **107**: 62.

Material examined : 4exs, Bhor, Dist-Pune, 28.x.2012, K. Chandra & B. Mitra party Coll ; 4exs, Bhor, Dist-Pune, 28.x.2013, K. Chandra & B. Mitra Party Coll.

Distribution : India : Maharashtra (Dist-Pune); West Bengal.

Genus 87. ***Horridipamera*** Malipatil, 1978

1978. *Horridipamera* Malipatil, *Aust. J. Zool ., supplementary series no*. **56**, p. 89 .

116. ***Horridipamera nietneri*** (Dohrn, 1860) (Fig. 116)

1860. *Piociomerus nietneri* Dohrn, *Ent. Zeit*., **21** : 404-405 .

1978. *Horridipamera nietneri* Malipatil, *Aust. J. zool., Supplementary Series no*. **56** p.90.

1988. *Horridipamera nietneri:* Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.* **107**: 61.

Material examined: 1ex, Malhura, Dist-Hingioli, 11.iii.2015, M.E. Hassan & Party Coll; 2exs, Bhor, Dist-Pune, 28.x.2012, K.Chandra & B. Mitra party Coll.

Distribution: India: Maharashtra (Dist- Hingioli, Pune), Bihar, West Bengal. *Elsewhere* : Bhamo, Myanmar, palon, Rangoon, Sri Lanka

Genus 88. ***Paraeucosmetus*** Malipatil, 1978

1978. *Paraeucosmetus* Malipatil, *Aust. J. zool. supplementary series no*. **56** p. 67.

117. ***Paraeucosmetus pallicornis*** (Dallas, 1852) (Fig. 117)

1852. *Rhyparochromus pallicornis* Dallas, *List Hem. B.M*., **2 :** 573.

1988. *Paraeucosmetus pallicornis*: Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.* **107:** 64-65.

Material examined: 1ex, Malhura, Dist-Hingioli, 11.iii.2015, M.E. Hassan & Party Coll.

Distribution : India : Maharashtra (Dist-Hingioli) .

Genus 89. ***Paromius*** Fieber 1860

1860. *Paromius* Fieber, *Eur. Hem.,* pp. **45** : 170-171.

*118. ***Paromius exiguous*** (Distant, 1904) (Fig. 118)

1883. *Pamera exigua* Distant, *Trans. Ent. Soc. Lond*.: 434 .

1904. *Paromius exiguus* Distant, *Fauna. Brit. India. Rhynch*., **2** : 51.

1988. *Paromius exiguous* : Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No.* **107** : 63.

Material examined : 1ex , Bujwade, Dist- Kolhapur, 23.vi.2014, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist-Kolhapur). *Elsewhere* : Japan, Sri Lanka, Tangalla.

Tribe **Lethaeini**

Genus 90. ***Adauctus*** Distant, 1909

1909. *Adauctus* Distant, *Ann. Mag. Nat. Hist*., (8)**3** : 492.

119. ***Adauctus cupres*** Distant, 1909 (Fig. 119)

1909. *Adauctus cupreus* Distant, *Ann. Mag. Nat. Hist*., (8) **3**: 492.

1910. *Adauctus cupreus* Distant, *Fauna. Brit. India. Rhync*., **5** : 65-66 .

Material examined : 2exs, Bhor, Dist-Pune, 28.x.2012, K. Chandra & B.Mitra party Coll.

Distribution : India : Maharashtra (Dist- Pune).

Tribe **Antillocorini**

Genus 91. ***Lamproceps*** Reuter 1882

1882. *Lamproceps* Reuter, *Ofv. Finsk. Vet. Soc. Forh*., **25** : 27.

120. ***Lamproceps indica*** (Dall, 1852)
(Fig. 120)

1852. *Aphanus indicus* Dall, *List. Hem*., **2** : 559.

1962. *Lamproceps indica* Scudder, *Can. Ent.,* **94** : 768.

Material examined: 1ex,Niphod, Dist. Nasik, 3.iii.2013, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist-Nasik), North India. *Elsewhere*: Sri Lanka.

Subfamily XVIII. ORSILLINAE

Genus 92. ***Nysius*** Dallas 1852

1852. *Nysius* Dallas, *List. Hem. B.M*. **2** : 551-552.

Key to species of the genera *Nysius*

1. 2nd and 3rd segments of the antennae subequal and brownish ochraceous .....*ceylonicus*
– All antennal segments black with 2nd segment distinctly longer than 3rd segment 2
2. Corium sub hyline, very pale ochraceous, the veins a little spotted , and the apical margin with three distinct, oblong, fuscous spots;membrane pale hyaline.....*minor*
– Corium hyaline with yellowish tint, two black lines on its apical margin membrane hyaline. 3
3. Legs pale ochraceous, femora spotted with castaneous, apices of tarsi black ..... *lacustrinus*
– Legs ochraceous, large coarse punctures to femora and the apices to the tarsi piceous..... ..... *inconspicuous*

121. ***Nysius ceylanicus*** (Motschulsky, 1863)
(Fig. 121)

1863. *Heterogaster ceylanicus* Motschulsky, *Bull. Soc. Nat. Moscu*., **36**: 78.

1904. *Nysius ceylanicus*, Distant, *Fauna. Brit. India. Rhynchota*, **2**: 18.

1988. *Nysius ceylanicus* : Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No* . **107:** 20.

1994. *Nysius ceylanicus* : Chakraborty *et al*., *State Fauna Series 3: Fauna of West Bengal*, Part-**5**: 424.

Material examined: 2exs, Nimita, Dist-Aurangabad, 27.ii.2013, M.E. Hassan & Party Coll; 2exs, Kayajangal (Kusumba), Dist. Dhule, 7.iii.2013, M.E. Hassan & Party Coll; 4exs, Narahal, Dist-Dhule, 8.iii.2013, M.E. Hassan & Party Coll; 1ex, Pathardi, Dist. Nasik, 5.iii.2013, M.E. Hassan & Party Coll.

Distribution: India : Maharashtra (Dist-Aurangabad, Dhule, Nasik); Jharkhand, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: China, Java, Nepal, Sri Lanka, Sumatra.

122. ***Nysius minor*** Distant, 1909
(Fig. 122)

1909. *Nysius minor* Distant: *Ann. Mag. Nat. Hist*., (8), **3** : 321.

1910. *Nysius minor* Distant: *Fauna Brit India. Rhynchota* vol-**5** : 13.

Material examined: 1ex, Dhule, Dist. Naruhal, 8.iii.2013, M.E. Hassan & Part Coll; 1ex, Pathardi, Dist. Nasik, 5.iii.2013, M.E.Hassan & Party Coll.

Distribution: India : Maharashtra (Dist-Naruhal, Nasik) Bengal, Bihar.

123. ***Nysius laucustrinus*** Distant, 1909
(Fig. 123)

1909. *Nysius laucustrinus* Distant, *Ann. Mag. Nat. Hist*., **3** : 321.

1910. *Nysius laucustrinus* Distant, *Fauna. Brit. India. Rhynchota*, **5** : 13.

2010. *Nysius laucustrinus* : Saha *et al*, *Fauna of Uttarakhand, State Fauna Series*, **18**(Part-2) : 222.

Material examined : 4exs, Kayajangal (Kusumba), Dist. Dhule, 7.iii.2013, M.E. Hassan & Party Coll. 1ex, Naruhal, Dist. Nasik, 5.iii.2013, M.E. Hassan & Party Coll.

Distribution: India : Maharashtra (Dist. Dhule, Nasik); Uttarakhand, West Bengal. *Elsewhere*: Sumatra.

124. ***Nysius inconspicuus*** Distant, 1904
(Fig. 124)

1902. *Nysius inconspicuus* Distant, *Fauna of Brit India Rhynchota*, **2**: 18-19.

1956. *Nysius inconspicuous* Miller, *Biol. Het,* : 58-60.

Material examined: 5exs, Kayajangal (Kusumba), Dist-Dhule, 7.iii.2013, M.E. Hassan & Party Coll; 4exs, Naruhal, Dist-Dhule, 8.iii.2013, M.E. Hassan

& Party Coll; 1ex, Path Ardi, Dist- Nasik, 5.iii.2013, M.E. Hassan & Party Coll; 4exs, Dhule, Dist-Naruhal, 8.iii.2013, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist-Dhule, Nasik, Naruhal); Himachal Pradesh, West Bengal. *Elsewhere* : Myanmar, Malaya.

Subfamily XIX. LYGAEINAE

Key to the Genera of the subfamily LYGAEINAE

1. Metathoracic scent gland inconspicuous; femora of legs in male usually spinose; brightly coloured insects usually with a combination of red and black ..... *Spilostethus*
– Metathoracic scent gland opening otherwise; femora in male mutic; colouration dull; Hemelytra not narrower than abdomen. .... *Graptostethus*

Genus 93. ***Spilostethus*** Stal, 1868

1868. *Spilostethus* Stal, *Kongk. Svensk .Vet. Akad. Handl*, **7** : 72.

Key to the species of genera *Spilostethus*

1. Membrenal suture with central white spot and two cresent white markings; labium reaches or passes second coxae ..... *pandurus militaris*
– Membrenal suture without such white spot; labium passes third coxae ..... *hospes*

125. ***Spilostethus pandurus militaris*** (Fabricius, 1775) (Fig. 125)

1775. *Cimex militaris Fabricius*, *Syst. Ent*.: 717.
1988. *Spilostethus pandurus militaris* (Fabricius), *Rec. zool. Surv. India. Occ. Paper No*. **107**: 15.
2010. *Spilostethus pandurus militaris*: Saha *et al.*, *Fauna of Uttarakhand, State Fauna Series*, **18**(Part-2): 223.

Material examined : 1ex., Kutrewadi, Dist-Solapur, 18.vi.2014, M.E. Hassan & Party Coll.

Distribution: India: Maharshtra (Dist-Solapur); Karnataka, Punjab, Uttar Pradesh, Uttarakhand, Rajasthan, West Bengal. *Elsewhere* : Australia, Myanmar & South Africa.

126. ***Spilostethus hospes*** (Fabricius, 1794) (Fig. 126)

1794. *Lygaeus hospes* Fabricius, *Ent. Syst*., **4** : 150.
1914. *Spilostethus hospes*: Bergroth, *Ent. Mitteil*, **2** : 356.
1988. *Spilostethus hospes* : Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No*. **107** : 15–16.
2010. *Spilostethus hospes*: Saha *et al, Fauna of Uttarakhand, State Fauna Series*, **18**(Part-2) : 223

Material examined: 1ex, Valsarg, Dist. Solapur, 18.vi.2014, M.E. Hasan & Party Coll ; 1ex, Kutrewadi, Dist-Solapur, 18.vi.2014, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist- Solapur), Assam, Karnataka. *Elsewhere* : Australia, Bhamo, China, Hong Kong, Japan, Java, Iran, Australia, Myanmar, Mandalay, New Zeland, Philippines, Sri Lanka, Sumatra.

Genus 94. ***Graptostethus*** Stal, 1868

1968. *Graptostethus* Stal, *Kngl. Seensk.Vet. Aked. Hand*., **11**: 73–74.

Key to the Species of Genus *Graptostethus*

1. Corium and clavus without any black markings ..... *trisignatus*
– Corium and clavus with black markings 2
2. A large oblique subclaval spot and a smaller marginal spot to corium ..... *servus*
– A small spot beyond middle of clavus, a large central rounded spot to corium 3
3. Two very large rounded spots on basal area of pronotum ..... *maculates*
– Two much larger spots near posterior margin of pronotum ..... *argentatus*

127. ***Graptostethus servus*** (Fabricius, 1787) (Fig. 127)

1787. *Cimex servus* Fabricius, *Mant. Ins*., **2** : 300.
1988. *Graptostethus servus*: Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No*. **107**: 18.
2010. *Graptostethus servus*: Saha *et al, Fauna of Uttarakhand, State Fauna Series*, **18**(Part-2): 224.

Material examined: 1ex, Wagoli, Dist-Akola, 26.x.2014, M.E. Hassan & Party Coll; 1ex, Akalgaon, Dist-Nanded, N-19.499619, E-77.488238, 25.ii.2015, M.E. Hassan & Party Coll; 4exs, Digral, Dist. Sangli, 20.vi.2014, M.E. Hassan & Party Coll; 1ex, Kutrewadi, Dist Solapur, 18.vi.2014, M.E.Hassan & Party Coll; 1ex, Hipparage, Dist-Solapur, 17.vi.2014, M.E. Hassan & Party Coll.

Distribution : India: Maharashtra (Dist-Akola, Nanded, Sangli, Solapur), Kerala, Maharashtra, Meghalaya, Uttarakhand, West Begal. *Elsewhere*: Algeria, Australia , China,Etheopia, France, Indonesia, Japan, Java, Iseral, Malaya, Maldive island, Myanmar, Philippines island, Singapore, Spain, Somalia, Sri Lanka, Sudan, Tibet, Turkey.

*128. ***Graptostethus maculatus*** (Dallas, 1852) (Fig. 128)

1852. *Lygaeus maculatus* Dall, *List. Hem*., **2** : 545.

1901. *Graptostethus maculatus* Distant, *Ann. Mag. Nat. Hist*., (7)7: 537.

2010. *Graptostethus maculatus* Saha *et al*, *Fauna of Uttarakhand, State Fauna Series*, **18**(Part-2): 224.

Material examined: 1ex, Hipparage, Dist-Solapur, 17.vi.2014, M.E. Hassan & Party Coll.

Distribution : India : Maharashtra (Dist- Solapur), Uttarakhand. *Elsewhere*: Sri Lanka.

129. ***Graptostethus argentatus*** (Fabricius, 1803) (Fig. 129)

1803. *Lygaeus argentatus* Fabricius, *Syst. Rhync*., p. 288.

1988. *Graptostethus argentatus* Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No*. **107 :**17.

Material examined : 1ex, Bijlinagar, Dist-Sindhudurg, 28.vi.2014, M.E. Hassan & Party Coll .

Distribution : India : Maharashtra (Dist-Sindhudurg), West Bengal. *Elsewhere*: Sri Lanka, Myanmar.

*130. ***Graptostethus trisignatus*** Distant, 1904 (Fig. 130)

1879. *Graptostethus trisignatus* Distant, *Ann. Mag. Nat. Hist*. (5)**3** : 130.

1904. *Graptostethus trisignatus* Distant, *Fauna Brit. India. Rhyn*., **2** : 10.

Material examined: 1ex, Bijlinagar, Dist-Sindhudurg, 28.vi.2014, M.E. Hassan & Party Coll; 1ex, Bijlinagar, Dist-Sindhudurg, 28.vi.2014, M.E. Hassan & Party Coll; 1ex, Valsarg, Dist- Solapur, 18.vi.2014, M.E. Hasan & Party Coll .

Distribution : India : Maharashtra (Dist-Sindhudurg, Solapur) Maghalaya. *Elsewhere* : Mayanmar, Rangoon.

Subfamily XX. HETEROGASTRINAE

Key to genera of the subfamily HETEROGASTRINAE

Genus 95. ***Epibomius*** Distant, 1909

1909. *Epibomius* Distant, *Ann. Mag. Nat. Hist*., (8)**3** : 328.

131. ***Epibomius pusa***, Distant, 1909 (Fig. 131)

1909. *Epibomius pusa* Distant, *Ann. Mag. Nat. Hist*., (8)**3** : 329.

Material examined : 4 exs, Kutrewadi, Dist-Solapur, 18.vi.2014, M.E. Hassan & Party Coll; 1ex, Bijlinagar, Dist. Sindhudurg, 28.vi.2014, M.E. Hassan & Party Coll.

Distribution : India : Maharashtra (Dist- Solapur, sindhudurg), Bengal. *Elsewhere* : Pusa

Genus 96. ***Lygaeosoma*** Spin., 1840

1840. *Lygaeosoma* Spin, *Ese. p*. 254.

1861. *Lygaeosoma* Fieb, *Eur. Hem*. p.45.

1872. *Lygaeosoma* Stal, *Ofv.Vet-Ak. Forh*., **7** : 42.

132. ***Lygaeosoma pusillum*** (Dallas, 1852) (Fig. 132)

1852. *Lygaeosoma pusillum* Dall, *List. Hem*., **2** : 550.

1988. *Lygaeosoma pusillum* : Mukhopadhyay, *Rec. zool. Surv. India. Occ. Paper No*. **107 :** 14-15.

Material examined: 1ex, ohergaon, Dist-Aurongabad, 01.03.2013, M.E. Hassan & Party Coll.

Distribution: India : Maharashtra (Dist-Aurongabad). *Elsewhere* : Karennae, Myanmar.

Genus 97. ***Aspilocoryphus*** Stal 1894

1894. *Aspilocoryphus* Stal, *En. Hem*., **4**. p. 99.

*133. ***Aspilocoryphus mendicus*** Fabricius, 1775 (Fig. 133)

1775. *Aspilocoryphus mendicus* Fabricius, *Syst. Ent*. P. 720.

1787. *Aspilocoryphus mendicus* Stal, *Mant*, **2**, p. 300.

1868. *Aspilocoryphus mendicus* Fabricius, *Hem*., **1**.p. 74 .

Material examined: 1ex, Paladi, Dist-Bhandara, Lat-N-21°07′321″, Long 079°42′624″, 3.ix.2013, M.E. Hassan & Party Coll.

Distribution : India: Maharashtra (Dist-Bhandara).

Subfamily XXI. OXYCARENINAE

Genus 98. ***Oxycarenus*** Fieber 1837

1837. *Oxycarenus* Fieber, *Beitr. Nat. Ges. Heilwiss*, pp . 339–340.

134. ***Oxycarenus lates*** Kirkaldy, 1891
(Fig. 134)

1891. *Oxycarenus lates* Kirkaldy, *j. Linn. Soc. zool*., **29** : 102.

1902. *Oxycarenus lates* : Distant, *Fauna of British. India. Rhynchota* Vol. **2**: 43.

Material examined: 1ex, Pali, Dist-Beed, N-18.918773, E-75.747324, 6.iii.2015, M.E. Hassan & Party Coll; 26exs, Naruhal, Dist-Dhule, 8.iii.2013, M.E. Hassan & Party Coll; 2exs, Kayajangal (Kusumba), Dist-Dhule, 7.iii.2013, M.E. Hassan & Party Coll; 10exs, Belodi, Dist-Solapur, N-17.40163, E-75.51399, 16.vi.2014, M.E. Hassan & Party Coll; 4exs, Kupwada, Dist-Sangli, Lat-16.52625, Long-74.39178, 21,vi,2014, M.E.Hassan & Party Coll; 1ex, Osmanabad, Dist-Singioli, N-18.289418, E-76.1045, 27,2.iii.2015, M.E. Hassan & Party Coll; 49exs, Hipparage, Dist-Solapur, 17.vi.2014, M.E. Hassan & Party Coll; 2ex, Kinnala (Chopala), Dist-Nandutar, 9.iii.2013, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist-Beed, Dhule, Sangli, Solapur, Singoli, Nandurtar); West Bengal. Elsewhere : Burma, Mandalay, SriLanka.

Subfamily XXII. GEOCORINAE

Genus 99. ***Geocoris*** Fallen 1814

1814. *Geocoris* Fallen, *Spec. Nov. Hem. Disp .Met*., p. 10.

Key to the species of genera Geocoris

1. Head luteous ; and pronotum black..... ..... *ochropterus*

– Head and pronotum black.....*jucundus*

135. ***Geocoris ochropterus*** (Fabr, 1844)
(Fig. 135)

1798. *Cimex tricolor* Fabr., *Ent. Syst. Rhynch.,* 238.

1844. *Geocoris ochropterus* Fieber, *Ent. Monogr*., p. 117.

1901. *Geocoris ochropterus* Distant, *Ann. Mag. Nat. Hist*., (7)**8** : 409.

Material examined : 3exs, Chitegaon, Dist-Aurangabad, 28.ii.2013, M.E. Hassan & Party Coll; 1ex, Chergaon, Dist-Aurangabad, 01.iii.2013, M.E. Hassan & Party, Coll; 1ex, Kayajangol (Kusumba), Dist-Dhule, 7.iii.2013, M.E. Hassan & Party Coll; 1ex, Malhura, Dist-Hingioli, 11.iii.2015, M.E. Hassan & Party Coll; 1ex, Kinnala (Chopala), Dist- Nandurbar, 10.iii.2013, M.E. Hassan & Party Coll; 8exs, Nasik, Dist-Nasik, 5.ii.2013, M.E.Hassan & Party Coll; 1ex, Belodi, Dist-Solapur, N-17.40163, E-75.51399, 16.vi.2014, M.E. Hassan & Party Coll; 1ex, Kupwada, Dist-Sangli, Lat-16.52625, Long-74.39178, 21.vi.2014, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist. Aurangabad, Dhule, Hingioli Nandurbar, Nasik, Sangli, Solapur); Assam, Bangalore, West Bengal. *Elsewhere* : China, Bhamo, Borneo, Myanmar, Sri Lanka, Sumatra.

*136. ***Geocoris jucundus***, Fieber, 1861
(Fig. 136)

1861. *Geocoris jucundus* Fieber, *Wien. ent. Mon*, **5**. p. 270.

1904. *Geocoris jucundus* : Distant, *Fauna of British India, Rhynchota* vol, **2** : 31.

Material examined : 1ex, Kayajangol (Kusumba), Dist-Dhule, 7.iii.2013, M.E. Hassan & Party Coll.

Distribution : India: Maharashtra (Dist-Dhule); Bihar, West Bengal. *Elsewhere*: Burma, Karennae.

Subfamily XXIII. CYMINAE

Genus 100. ***Cymus*** Stal, 1874

1874. *Cymus* Stal, *En. Hem*. **4**., p. 125.

*137. ***Cymus tabidus*** Stal 1874
(Fig. 137)

1874. *Cymus tabidus* Stal, *En. Hem*, **4**, p. 126.

Material examined: 1ex, Satpura, Dist-Nagpur, Lat- N20°09′42.9″, Long- E079°20′656″, 17.IX.2013, M.E. Hassan & Party Coll; 2exs, Malhura, Dist-Hingioli, 11.iii.2015, M.E. Hassan & Party Coll.

Distribution : India: Maharashtra (Dist-Nagpur, Hingioli); Bengal.

Subfamily XXIV. BLISSINAE

Genus 101. ***Blissus*** Stal 1872

1872. *Blisus* Stal, *Ofv. Vet-Ak, Firk, no*. **7**. p.45 .

138. ***Blisus gibbus*** Fabricius, 1794
(Fig. 138)

1794. *Blisus gibhus* Fabricius, *Ent. Syst*., **4**, p. 75.

1808. *Blisus gibhus* Stal, *Hem*. **1**. p.69 .

Material examined : 1ex, Malhura, Dist-Hingioli, 11.iii.2015, M.E. Hassan & Party Coll; 1ex, Bhuswal, Dist- Jalgaon, 23.ii.2013, M.E. Hassan & Party Coll

Distribution : India: Maharashtra (Dist-Hingioli, Jalgaon); Assam, Uttar Pradesh.

Surerfamily V. PYRRHOCOROIDEA

Key to the families of the Superfamily PYRRHOCOROIDEA

1. Pronotum not laterally reflexed, abdominal sternum seven of female split medially ....LARGIDAE
– Pronotum laterally reflexed, abdominal sternum seven entire in female..... ..... PYRROCORIDAE

Family XIII. LARGIDAE

Key to genera of the family LARGIDAE

1. Antennae very long in male, first joint of antennae but twice as long as head and pronotum together..... *Macroceroea*
– Antennae normal in both the sexes, first joint longer than head but shorter than head and pronotum together 2
2. Anterior convex area of pronotum not reaching the anterior margin, lateral margin of pronotum strongly reflexed..... *Iphita*
– Anterior convex area of pronotum reaching the anterior margin, lateral margin of pronotum not strongly reflexed..... *Physopelta*

Genus 102. ***Iphita*** Stal 1870

1870. *Iphita* Stal, *Enum. Hem*, **1** : 99.

139. ***Iphita limbata*** Stal 1870
(Fig. 139)

1870. *Iphita limbata* Stal, *En.Hem*., **1** : 99. 1902. *Iphita limbata* Distant, *Fauna Brit. India, Rhynchota*, **2** : 96.

1994. *Iphita limbata*: Sen *et al*., *State Fauna Series, 3 : Fauna of West Bengal*, Part-**5** : 436.

1998. *Iphita limbata*: Sen *et al*., *State Fauna Series 4 : Fauna of Meghalaya*, Part-**4 :** 333.

2010. *Iphita limbata*: Saha *et al., State Fauna Series* **18***: Fauna of Uttarakhand*, Part-**2** : 246-247

Material examined : 1ex, Kupwada, Dist-Sangli, Lat-16.52625, Long-74.39178, 21.vi.2014, M.E. Hassan & Party Coll.

Distribution: India : Maharashtra (Dist-Sangli) Assam, Andhra Pradesh, Kerala, Maharashtra, West Bengal. *Elsewhere* : Philippines.

Genus 103 : ***Macroceroea*** Spinola, 1837

1837. *Macroceroea* Spinola, *Essai Ins. Hem*.: 177

140. ***Macroceroea grandis*** (Gray, 1832)
(Fig. 140)

1832. *Lygaeus grandis* Gray, *in Griff.An. King.15*, *Ins.,* **2**: 242.

1904. *Lohita grandis,* Distant, *Fauna Brit.India, Rhynchota,* **2**: 95.

2010. *Macroceroea grandis* : Saha and Bal. *Fauna of Uttarakhand, State Fauna Series,* **18**(2) : 246.

Material examined: 1ex, Kupwada, Dist-Sangli, Lat-16.52625, Long-74.39178, 21.vi.2014, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist-Sangli); Andhra Pradesh, Assam, Uttarakhand, West Bengal *Elsewhere*: Myanmar, Sumatra, Philippines.

Genus 104. ***Physopelta*** Amy. & Serv., 1843

1843. *Physopelta* Amy. and Serv., *Hem*. : 271.

Key to species of genus *Physopelta*

1. Body reddish ochraceous, a discal rounded black spot at the middle of the corium, paramere weakly bifid with inner arm narrower than outer..... *gutta*
2. Body dark red, a dot like black spot at the middle of the corium, paramere deeply bifid, with dissimilar arms .....*schlanbuschi*

141. ***Physopelta gutta*** (Burmeister**,** 1834)
(Fig. 141)

1834. *Lygaeus (Pyrrhocoris) gutta* Burmeister, *Nova. Acta. Acad. Leop. Carolxvi*, suppl., : 424.

1902. *Physopelta gutta*: Distant, *Fauna. Brit. India, Rhynchota*, **11** : 97.

2010. *Physopelta gutta*: Saha and Bal. *Fauna of Uttarakhand, State Fauna Series*, **18**(2): 247.

Material examined : 1ex, Kupwada, Dist-Sangli, Lat-16.52625, Long 74.39178, 21,vi,2014, M.E. Hassan & Party Coll.

Distribution : India: Maharashtra (Dist-Durg), Assam, Andhra Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Australia, Borneo, Myanmar, China, Japan, Java, Philippines, Sumatra, Sri Lanka.

142. ***Physopelta schlanbuschi*** (Fabricius, 1787)
(Fig. 142)

1887. *Cimex schlanbuschi* Fabricius, *Mant. Ins.*, **2** : 200.

2017. *Physopelta schlanbuschi* : Saha *et al*., *Rec. zool. Surv. India*, **117**(2) : 148.

Material examined : 1ex, Kupwada, Dist-Sangli, Lat-16.52625, Long-74.39178, 21.vi.2014, M.E. Hassan & Party Coll.

Distribution :-India: Maharashtra (Dist- Sangli), Assam, Uttarakhand, West Bengal. *Elsewhere*: China, Hong Kong, Mayanmar.

Family PYRRHOCORIDAE

Key to genera of the family PYRRHOCORIDAE

1. Head transversely constricted or impressed beneath near base.....*Antilochus*
– Head not transversely constrictedor impressed beneath 2
2. Apical angle of corium more or less rounded, not elogately acute.....3
– Apical angle of corium elogatelyacute*Dysdercus*
3. Anterior area of pronotum completely circumscribed by continuous impressions or punctures; head with eyes not broader than anterior margin of pronotum; eyes not pedunctulate .....*Euscopus*
– Anterior area of pronotum not or incompletely circumscribed continuous impressions or punctures.....4
4. Incisures of ventral segment straight not distinctly curved .....*Pyrrhopeplus*
– Incisures of 3rd and 4th ventral segments moderately laterally curved 5
5. Eyes not touching anterior margin of pronotum .....*Melamphus*
– Head impressed to eyes.....6
6 Lateral margins of the pronotum not or slightly reflexed .....*Odontopus*
– Lateral margns of the pronotum moderately acutely laminate .....*Scantius*

Genus 105. ***Antilochus*** Stal, 1863

1863. *Antilochus* Stal, *Burl. Ent. Zeitschr*., 7 : 393.

Key to the species of the Genus *Antilochus*

1. Membrane with a black rounded spot near its base..... *russus*
– Membrane with the interior angle and apical margin pale brownish ochraceous.....
.....*coquerberti*

143. ***Antilochus coqueberti*** (Fabricius, 1803)
(Fig. 143)

1803. *Lygaeus coqueberti* Fabricius, *Syst. Rhyng.*,: 222.

1904. *Antilochus coqueberti* Distant, *Fauna Brit. India, Rhynchota,* **2**: 101.

2010. *Antilochus coqueberti* : Saha and Bal. *Fauna of Uttarakhand, State Fauna Series,* **18**(2) : 249.

Material examined : 2exs, Valsarg, Dist- Solapur, 18.vi.2014, M.E. Hasan & Party Coll; 1ex, Kutrewadi, Dist-Solapur, 18.vi.2014, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist- Solapur), Andaman Islands, Andhra Pradesh, Assam, Jammu & Kashmir, Meghalaya, Nagaland, West Bengal. *Elsewhere*: Myanmar, Sri Lanka.

*144. ***Antilochus russus*** Stal, 1863
(Fig. 144)

1863. *Antilochus russus* Stal, *Burl. Ent. Zeitschr*., **7** : 394.

1904. *Antilochus russus* Distant, *Fauna Brit. India, Rhynchota,* **2**: 101.

2010. *Antilochus russus* : Saha and Bal. *Fauna of Uttarakhand, State Fauna Series,* **18**(2) 6. 249.

Material examined: 1 ex, Fantri, Dist-Nagpur, 15.ix.2013, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist. Nagpur), Andhra Pradesh, Assam, Meghalaya, Sikkim, Uttarakhand. *Elsewhere*: Bhutan, Myanmar.

Genus 106. ***Dysdercus*** Amy. & Serv., 1843

1843. *Dysdercus* Amy. & Serv., Hem., : 272.

Key to the species of the Genus *Dysdercus*

1. Body pale ochraceous; membrane pale brownish; antennae totally black.....*evanescens*
- Body ochraceous; membrane black; 1st joint of antennae sanguineous.....2
2. Extreme base of first joint of antennae sanguineous .....*koenigii*
3. Extreme base of first joint of antennae not sanguineous .....*olivaceous*

145. ***Dysdercus evanescens*** Distant, 1902
(Fig. 145)

1902. *Dysdercus evanescens* Distant, *A.M.N.H.,* (7)**9** : 43.

1904. *Dysdercus evanescens* Distant, *Fauna. Brit. Ind. Rhynchota*, **2** : 120.

2010. *Dysdercus evanescens* : Saha and Bal, *Fauna of Uttarakhand, State Fauna Series,* **18**(2) : 248.

Material examined : 1ex , Bujwade, Dist-Kolhapur, 23.vi.2014 , M.E. Hassan &Party Coll.

Distribution : India: Maharashtra (Dist- Kolhapur); Assam, Meghalaya, Sikkim, Uttarakhand, West Bengal.

146. ***Dysdercus koenigii*** (Fabricius, 1775)
(Fig. 146)

1775. *Cimex koenigii* Fabricius, *Syst. Ent*. 720.

1904. *Dysdercus cingulatus* Distant, *Fauna. Brit. Ind. Rhynchota*, **2** : 118.

1914. *Dysdercus koenigi* Bergroth, *Ent. Mitt*, **3** : 355.

2010. *Dysdercus koenigii*: Saha and Bal, *Fauna of Uttarakhand, State Fauna Series,* **18**(2) : 248.

Material examined : 2exs, Fantri, Dist-Nagpur, 15.ix.2013, M.E. Hassan & Party Coll; 1ex, Akalgaon, Dist-Nanded, N-19.499619, E-77.488238, 25.ii.2015, M.E. Hassan & Party Coll.

Distribution : India: Maharashtra (Dist- Nagpur, Nanded), Assam, Andaman & Nicobar Inlands, Karnataka, Meghalaya, Nagaland, Sikkim, Uttarakhand, West Bengal. *Elsewhere* : Australia, Malayan Archipelago, Myanmar, Sri Lanka.

*147. ***Dysdercus olivaceous*** Fabricius, 1798
(Fig. 147)

1798. *Dysdercus olivaceous* Fabricius, *Ent. Syst. Suppl*., p. 540.

1868. *Dysdercus olivaceous* Stal, *Hem, Fabr*, 1-84.

1904. *Dysdercus olivaceous* Distant, *Fauna. Brit. Ind. Rhynchota*, **2** : 119-120.

Material examined : 1ex, Ukshi, Dist-Ratnagiri, 01.VII.2014, M.E. Hassan & Party Coll; 1ex, Kodnagar, Dist-Kolhapur, 23.vi.2014, M.E. Hassan & Party Coll; 2exs, Belodi, Dist-Solapur, N-17.40163, E-75.51399, 16.vi.2014 , M.E. Hassan & Party Coll ; 1ex, Bujwade, Dist-Kolhapur , 23.vi.2014, M.E.Hassan & Party Coll.

Distribution : India : Maharashtra : (Dist. Kolapur, Ratnagiri, Solapur).

Genus 107. ***Euscopus*** Stal 1870

1870. *Euscopus* Stal

Key to species of the genus *Euscopus*

1. Fourth joint of antennae fuscous, its base stramineous.....*indecorus*
– Fourth joint of antennae piceous, its base pale stramineous.....*albatus*

*148. ***Euscopus indecorus*** (Walker, 1872)
(Fig. 148)

1872. *Pyrrhocoris indecorus* Walker, *Cat. Heter*., **5** : 172.

1902. *Euscopus indecorus* Distant, *Ann. Mag. Nat. Hist*., **9** : 37.

1909. *Euscopus indecorus*: Lefroy, *Rec. Indian Mus*., **3** : 326.

1998. *Euscopus indecorus* : Sen *et al*., *State Fauna Series. Fauna of Meghalaya*, Part-**4** : 337.

2010. *Euscopus indecorus*: Saha and Bal , *Fauna of Uttarakhand, State Fuana Series*, **18**(2) : 249 -250.

Material examined : 1ex, Bor WLS , Dist-Wardha, Lat. N 20°73′76″, Long. E 0.78°41′260″,13.ix.2013, Coll M.E.Hassan & Party.

Distribution : India : Maharashtra (Dist- Wardha), Assam, Meghalaya, Uttarakhand. *Elsewhere* : Bhamo, Sri Lanka, Teinzo.

149. ***Euscopus albatus*** Distant, 1909
(Fig. 149)

1909. *Euscopus albatus* Distant, *Ann. Mag. Nat. Hist*., (8) : 496.

1910. *Euscopus albatus* Distant, *Fauna. Brit. India . Rhynchota*., **5** : 94.

Material examined : 1 ex, Ukshi , Dist-Ratnagiri, 01.VII.2014, M.E. Hassan & Party Coll .

Distribution : India : Maharashtra (Dist- Ratnagiri).

Genus 108, ***Pyrrhopeplus*** Stal, 1870

1870. *Pyrrhopeplus* Stal, *En. Hem*., **1** : 103 & 115.

*150. ***Pyrrhopeplus posthumus*** Horvath
(Fig. 150)

1863. *Pyrrhocoris carduelis* Stal, *Berlin. Ent.Zeitschr*., : 7.

1892. *Pyrrhopeplus carduelis var. posthumus* : Horvath, *Termesz. Fuzetek.,* **15**: 135.

1913. *Pyrrhopeplus carduelis var. posthumus* : Bergroth, *Mem. Soc. Ent. Belg.,* **22**: 172.

Material examined : 1ex, Mohari, Dist-Dhul, 8.iii.2013, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist-Dhule), Assam, Meghalaya, Nagaland, Sikkim.

Genus 109 ***Melamphaus*** Stal, 1868

1868. *Melamphaus* Stal, *Hem. Fabr.,**1***: 83.

*151. ***Melamphaus rubrocinctus*** (Stal, 1863)
(Fig. 151)

1863. *Dysdercus rubrocinctus* Stal, *Berl. Ent. Zeitschr,* **7**: 403.

1904. *Melamphaus rubrocinctus*: Distant, *Fauna Brit. India, Rhynchota,* **2**: 108.

2010. *Melamphaus rubrocinctus* : Saha and Bal. *Fauna of Uttarakhand, State Fauna Series,* **18**(2) : 251.

Material examined : 1 ex, Bujwade, Dist-Kolhapur, 23.vi.2014, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist- Kolhapur), Andhra Pradesh, Assam, Meghalaya, Nagaland, Uttarakhand, West Bengal. *Elsewhere*: Borneo, Mallacca, Myanmar, Philippines

Genus 110 ***Odontopus*** Laporte, 1832

1832. *Odontopus* Laporte, *Ess. Hem.,*: 37.

152. ***Odontopus nigricornis*** Stal
(Fig. 152)

1861. *Odontopus nigricornis* Stal, *Stett. Ent. Zeit.,* **22** : 146.

1904. *Odontopus nigricornis* Distant, *Fauna Brit. India, Rhynchota,* **2**: 109.

2010. *Odontopus nigricornis* : Saha and Bal. *Fauna of Uttarakhand, State Fauna Series,* **18**(2): 252.

Material examined : 1ex, Wagoli, Dist-Akola, 26.x.2014, M.E. Hassan & Party Coll.

Distribution: India: Maharashtra (Dist-Akola), Andhra Pradesh, Assam, Karnataka, Maharashtra, Sikkim, Uttarakhand, West Bengal. *Elsewhere* : Myanmar.

Genus 111. ***Scantius*** Stal, 1865

1865. *Scantius* Stal, *Hem. Afr.*, **3** : 10.

Key to species of the genus *Scantius*

1. First and second joints of antennae longest and subequal in length, third joint shoeter than fourth .....*forsteri*
– First joint of antennae considerably passing apex of head,second almost as long as first, thied shortest .....*volucris*

153. ***Scantius forsteri*** Gerstacker, 1873
(Fig. 153)

1873. *Scantius forsteri* Gerstacker, *In.V.D. Deckensreise.* **3** : 413.

1903. *Scantius forsteri*: Distant, *Fauna. Brit. India. Rhynchota*, **2** : 117.

1994. *Scantius forsteri*: Sen *et al*, *Fauna of West Bengal. State Fauna Series,* **3** : 443.

Material examined : 1ex, Falcgaon, Dist-Hingoli, N-19.924048, E-77.174758, 11.iii.2015, M.E. Hassan & Party Coll.

Distribution :- India : Maharashtra (Dist-Hingoli); Bihar. *Elsewhere* : Madagascar, South Africa, Seychelles Islands.

154. ***Sanctius volucris*** Gerataeck, 1873
(Fig. 154)

1873. *Sanctius volucris*, Gerataeck, *In V.d. Deckon's Reise.* **3** : 413.

1902. *Sanctius volucris* : Distant, *Fauna Brit. India, Rhynchota*, **2**: 117.

Material examined: 1ex, Wagoli, Dist-Akola, 26.x.2014, M.E. Hassan & Party Coll.

Distribution : India : Maharashtra (Dist-Akola); Madras. *Elsewhere* : Angola, East Africa

SUMMARY

The study is based on the existing collections as well as mopping survey materials of different survey parties in recent years including the heteroptera collection housed in the WRC, Pune. This paper deals with 154 species under 111 genera belonging to families Reduviidae (22 species under 17 genera belonging to 6 subfamilies, of which 4 species under 4 genera belonging to 4 subfamilies are new record to state), superfamily Pentatomoidea (51 species under 42 genera under 6 families from the state of Maharashtra, of these 13 species belonging to 12 genera are recorded new to state), Coreoidea (30 species of under 22 genera belonging to 3 families from the state of Maharashtra, of these so far 11 species under 9 genera recorded as new to state), family Lygaeidae (36 species under 20 genera, out of which 9 species under 8 genera are new addition to the fauna of state) and superfamily Pyrrhocoroidea (15 species of under 10 genera brelonging to 2 families, of which 10 species belonging to 9 genera are new record to state) from the state of Maharashtra. The diagnostic character of each species, keys to various taxa, distributions of each species in various districts of Maharashtra, other states and countries have been incorporated.

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INSECTA : LEPIDOPTERA

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INTRODUCTION

The Lepidoptera (moths and butterflies) are considered as important taxonomic group for environmental evaluation and they have great economic significance as pest and pollinator. The Lepidoptera fauna of India is known to comprise of 15000 species (Varshney, 1998; Ramakrishna and Alfred, 2006) of which butterflies share 1318 species (Varshney & Smetacek, 2015) and rest of species is estimated moths population. The perusal of published information (Cotes and Swinhoe, 1887-89; Sharma, 2012) on faunal studies of Lepidoptera of the Maharashtra state have revealed occurrence of 213 species of butterflies and 789 species of moths. Recently, Sharma and Radhakrishnan (2005), Padhye *et al.* (2006), Wadatkar and Kasambe (2008), Tiple (2011), Patwardhan (2014) and Kumar *et al.* (2015) have added their valuable contributions in updating the knowledge of butterfly fauna of the Maharashtra. As regard to moth fauna, Gurule *et al.* (2010 and 2011) documented 70 species of the family Noctuidae from Nashik district and 173 species of superfamily Noctuoidea from Northern part of the Maharashtra respectively. In the year 2013, Gurule and Nikam further published informations of 245 species all of which were earlier reported from Maharashtra by Swinhoe and Cotes (1887-89). Shubhalaxmi *et al.* (2011) recorded 410 species from Northern Western Ghats within the jurisdiction of the state of Maharashtra. In this work 11 species were reported as new records for the state as well as India and range extensions for 130 species for the state of Maharashtra were also recorded. The present faunal surveys were undertaken with the objective of exploring the Lepidoptera fauna and compiling of already published information to present the overall diversity and distribution of moths and butterflies of this state.

During 2011-2014, the faunal surveys were conducted at thirty two locations including few protected areas of the Maharashtra state by Dr. Kailash Chandra, Dr. Bulganin Mitra and their team. During these surveys, standard collection methodology for Lepidoptera has been adopted. The identified materials (NZC) deposited in recent past by Scientists of ZSI were also included in this work. As a result of present faunal surveys and inclusion of old identified materials (NZC) collected by previous scientists' total 147 species marked with * in systematic list have been found available in hand for material examination. Of which butterflies (Superfamily Papilionoidea) included 46 species and rest 101 species were moths. Among these, 18 species of moths marked with ** have been recorded for the first time from Maharashtra. All the species of butterflies collected during present surveys are already reported earlier from the state of Maharashtra. The identification of collected materials, inclusion of already identified materials of NZC, perusal of published informations by Hampson (1892 and 1894-96), Moore (1890-1907), Meyrick (1905-1914 and 1955), Wynter-Blyth (1957), Holloway (1985, 1988, 1989 and 1999), Nandi (1987), Mandal and Nandi (1987), Mandal (1991), Mandal *et al.* (1997), Bhattacharya (1997, 1998), Ghosh and Chaudhury (1997 and 1998), Mandal and Maulik (1997, 1998 and 2004), Mandal and Ghosh (1997, 1998 and 2004), Gupta (1997, 2004, 2006 and 2007), Majumdar (2004 and 2007), Gupta and Majumdar (2006), Ghosh (2006 and 2007), Gupta and Maulik (2006 and 2007), Ghosh and Majumder (2007), Maulik (2007 and 2010), Kehimkar (2008), Palot and Radhakrishnan (2008), Sharma and Borkar (2008), Kumar (2010), Majumdar and Kumar (2010), Sharma and Sidhu (2010), Sidhu and Sharma (2010) and Gasse (2013) pertaining to diversity and distribution

of Lepidoptera of India; altogether revealed the occurrence of 1143 species belonging to 682 genera under 51 families. Of these, moths share 882 species belonging to 543 genera and 45 families and butterflies share 261 species belonging to 139 genera and 06 families placed under the only superfamily Papilionoidea (Table 1). Among moths, the family Noctuidae has been found dominating with 297 species. Seven families namely Batrachedridae, Schreckensteiniidae, Douglasiidae, Autostichidae, Drepaniidae, Zygaenidae and Pterophoridae were found least dominating each sharing only one species (Table 1). Among butterflies, the family Nymphalidae is found dominating with 80 species, followed by the families Lycaenidae (77 species), Hesperiidae (52 species), Pieridae (32 species), Papilionidae (19 species) and Riodinidae being found least dominating with only 01 species (Table 1).

The following systematic list of species along with their known distribution has been prepared by incorporating above mentioned published information and also information collected from authenticated web resources (Lepindex, Ifound butterflies and Funet- Lepidoptera). The recently published classification of Lepidoptera by Nieukerken *et al.* (2011) has been followed for the arrangement of taxa under their respective families. Accordingly taxa placed under the earlier families Arctiidae and Lymantriidae have been treated here under the family Erebidae. However, in present systematic list all six families of butterflies under the only superfamily Papilionoidea is placed at last for convenience of understanding.

SYSTEMATIC LIST

Order LEPIDOPTERA Linnaeus, 1758

Suborder GLOSSATA Fabricius, 1775

Infraorder EXOPORIA Common, 1975

Superfamily HEPIALOIDEA Stephens, 1829

I. Family HEPIALIDAE Stephens, 1829

1. ***Phassus signifer*** (Walker)

1856. *Phassus signifer* Walker, *List Spec. Lep. Brit. Mus.*, **7**: 1568.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: East to North-west Himalaya, Maharashtra (Mumbai, Pune), West Bengal. *Elsewhere*: Bangladesh, Indonesia, Malaysia, Myanmar, Nepal.

2. ***Phassus aboe*** (Moore)

[1860]. *Phassus aboe* Moore, *Cat. Lep. Ins. Mus. Nat. East India House,* **2**: 437.

Source: Moore (1879), Hampson (1892), Tindale (1941).

Distribution: India: Assam, Maharashtra (Mumbai), Meghalaya, Sikkim, West Bengal.

Infraorder HETERONEURA Tillyard, 1918

Superfamily NEPTICULOIDEA Stainton, 1854

II. Family NEPTICULIDAE Stainton, 1854

3. ***Acalyptris psammophricta*** Meyrick

1921. *Acalyptris psammophricta* Meyrick, *Exot. Micr.,* **2**: 410.

Source: Meyrick (1969), Nieukerken (2010).

Distribution: India: Gujarat, Maharashtra (Mumbai). *Elsewhere*: Africa, Iran, Pakistan, UAE.

4. ***Nepticula acontarcha*** (Meyrick)

1926. *Nepticula acontarcha* Meyrick, *Exot. Micr.,* **3**: 295.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

5. ***Nepticula aeriventris*** Meyrick

1932. *Nepticula aeriventris* Meyrick, *Exot. Micr.,* **4**: 312.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

6. ***Nepticula clinomochla*** Meyrick

1934. *Nepticula clinomochla* Meyrick, *Exot. Micr.,* **4**: 468.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

7. ***Nepticula elachistarcha*** Meyrick

1934. *Nepticula elachistarcha* Meyrick, *Exot. Micr.,* **4**: 467.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

8. ***Nepticula glycystrota*** Meyrick

1928. *Nepticula glycystrota* Meyrick, *Exot. Micr.,* **3**: 462.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

9. ***Nepticula heteranthes*** Meyrick

1926. *Nepticula heteranthes* Meyrick, *Exot. Micr.,* **3**: 296.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

10. ***Nepticula hoplometalla*** Meyrick

1934. *Nepticula hoplometalla* Meyrick, *Exot. Micr.,* **4**: 467.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

11. ***Nepticula melanospila*** Meyrick

1934. *Nepticula melanospila* Meyrick, *Exot. Micr.,* **4**: 468.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

12. ***Nepticula oligosperma*** Meyrick

1934. *Nepticula oligosperma* Meyrick, *Exot. Micr.,* **4**: 468.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

III. Family OPOSTEGIDAE Meyrick, 1893

13. ***Opostega subviolacea*** Meyrick

1920. *Opostega subviolacea* Meyrick, *Exot. Micr.,* **2**: 357.

Source: Meyrick (1969).

Distribution: India: Gujarat, Maharashtra (Mumbai).

14. ***Opostega velifera*** Meyrick

1920. *Opostega velifera* Meyrick, *Exot. Micr.,* **2**: 357.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

Superfamily ADELOIDEA Bruand, 1850

IV. Family HELIOZELIDAE Heinemann & Wocke, 1876

15. ***Antispila isorrhythma*** Meyrick

1926. *Antispila isorrhythma* Meyrick, *Exot. Micr.,* **3**: 262.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

16. ***Antispila selastis*** Meyrick

1926. *Antispila selastis* Meyrick, *Exot. Micr.,* **3**: 261.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: South Africa.

17. ***Antispila micrarcha*** Meyrick

1926. *Antispila micrarcha* Meyrick, *Exot. Micr.,* **3**: 261.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: South Africa.

Superfamily TINEOIDEA Latreille, 1810

V. Family PSYCHIDAE Boisduval, 1829

18. ***Acanthopsyche (Eceticoides) bipars*** (Walker)

1865. *Acanthopsyche (Eceticoides) bipars* Walker, *List. Lep. Brit. Mus.*, **32**: 406.

Source: Hampson (1892).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

19. ***Melasina vorticosa*** Meyrick

1930. *Melasina vorticosa* Meyrick, *Exot. Micr.*, **3**: 551.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

VI. Family TINEIDAE Latreille, 1810

20. ***Decadarchis melanostropha*** (Meyrick)

1931. *Decadarchis melanostropha* Meyrick, *Exot. Micr.,* **4**: 165.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

21. ***Edosa*** *sp.*

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra.

22. ***Eucrotala tetracola*** Meyrick

1919. *Eucrotala tetracola* Meyrick, *Exot. Micr.*, **2**: 257.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

23. ***Latypica rhicnopa*** Meyrick

1919. *Latypica rhicnopa* Meyrick, *Exot. Micr.*, **2**: 258.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

24. ***Monopis avara*** Meyrick

1919. *Monopis avara* Meyrick, *Exot. Micr.*, **2**: 239.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

25. ***Opogona scabricoma*** Meyrick

1934. *Opogona scabricoma* Meyrick, *Exot. Micr.*, **4**: 463.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

26. ***Tinea sacerdos*** (Walsingham)

1885. *Tinea sacerdos* Walsingham, *Proc. Zool. Soc. London*: 882.

Source: Walsingham (1885).

Distribution: India: Maharashtra (Mumbai).

27. ***Tinea pagiducha*** Meyrick

1932. *Tinea pagiducha* Meyrick, *Exot. Micr.*, **4**: 325.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

28. ***Tineola scotangela*** Meyrick

1919. *Tineola scotangela* Meyrick, *Exot. Micr.*, **2**: 245.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

29. ***Cimitra seclusella*** (Walker)

1864. *Cimitra seclusella* Walker, *List Spec. Lep. British Mus.*, **31**: 780.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Sri Lanka.

Superfamily GRACILLARIOIDEA Stainton, 1854

VII. Family BUCCULATRICIDAE Fracker, 1915

30. ***Bucculatrix centroptila*** Meyrick

1934. *Bucculatrix centroptila* Meyrick, *Exot. Micr.*, **4**: 426.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

31. ***Bucculatrix epibathra*** Meyrick

1934. *Bucculatrix epibathra* Meyrick, *Exot. Micr.*, **4**: 462.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

32. ***Bucculatrix hagnopis*** Meyrick

1930. *Bucculatrix hagnopis* Meyrick, *Exot. Micr.*, **4**: 7.

Source: Meyrick (1969).

Distribution: India: Gujarat, Maharashtra (Mumbai).

VIII. Family GRACILLARIIDAE Stainton, 1854

33. ***Acrocercops anthracuris*** Meyrick

1926. *Acrocercops anthracuris* Meyrick, *Exot. Micr.*, **3**: 295.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai, Pune).

34. ***Acrocercops bifrenis*** Meyrick

1918. *Acrocercops bifrenis* Meyrick, *Exot. Micr.*, **2**: 176.

Source: Meyrick (1969).

Distribution: India: Karnataka, Maharashtra (Mumbai).

35. ***Acrocercops caerulea*** Meyrick

1934. *Acrocercops caerulea* Meyrick, *Exot. Micr.*, **4**: 473.

Source: Meyrick (1969).

Distribution: India: Bihar, Maharashtra (Mumbai), West Bengal.

36. ***Acrocercops calycophthalma*** Meyrick

1926. *Acrocercops calycophthalma* Meyrick, *Exot. Micr.*, **3**: 293.

Source: Meyrick (1969).

Distribution: India: Karnataka, Maharashtra (Mumbai).

37. ***Acrocercops cylicota*** Meyrick

1914. *Acrocercops cylicota* Meyrick, *Jour. Bombay Nat. His. Soc.*, **23**: 119.

Source: Meyrick (1969).

Distribution: India: Karnataka, Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

38. ***Acrocercops euthycolona*** Meyrick

1931. *Acrocercops euthycolona* Meyrick, *Exot. Micr.*, **4**: 46.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Indonesia.

39. ***Acrocercops irradians*** Meyrick

1931. *Acrocercops irradians* Meyrick, *Exot. Micr.*, **4**: 170.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

40. ***Acrocercops mechanopla*** Meyrick

1934. *Acrocercops mechanopla* Meyrick, *Exot. Micr.*, **4**: 472.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

41. ***Acrocercops niphocremna*** Meyrick

1932. *Acrocercops niphocremna* Meyrick, *Exot. Micr.*, **4**: 268.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai, Mahabaleshwar).

42. ***Acrocercops petalopa*** Meyrick

1934. *Acrocercops petalopa* Meyrick, *Exot. Micr.*, **4**: 470.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

43. ***Acrocercops psaliodes*** Meyrick

1926. *Acrocercops psaliodes* Meyrick, *Exot. Micr.*, **3**: 294.

Source: Meyrick (1969).

Distribution: India: Karnataka, Maharashtra (Mumbai).

44. ***Acrocercops quadrisecta*** Meyrick

1932. *Acrocercops quadrisecta* Meyrick, *Exot. Micr.*, **3**: 267.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

45. ***Acrocercops sporograpta*** Meyrick

1932. *Acrocercops sporograpta* Meyrick, *Exot. Micr.*, **4**: 268.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

46. ***Acrocercops strophala*** Meyrick

1908. *Acrocercops strophala* Meyrick, *Jour. Bombay Nat. His. Soc.*, **18**: 824.

Source: Meyrick (1969).

Distribution: India: Assam, Maharashtra (Mumbai), Meghalaya. *Elsewhere*: Sri Lanka.

47. ***Acrocercops syrista*** Meyrick

1926. *Acrocercops syrista* Meyrick, *Exot. Micr.*, **3**: 293.

Source: Meyrick (1969).

Distribution: India: Karnataka, Maharashtra (Mumbai).

48. ***Acrocercops tetradeta*** Meyrick

1926. *Acrocercops tetradeta* Meyrick, *Exot. Micr.*, **3**: 292.

Source: Meyrick (1969).

Distribution: India: Karnataka, Maharashtra (Mumbai).

49. ***Acrocercops thrylodes*** Meyrick

1930. *Acrocercops thrylodes* Meyrick, *Exot. Micr.*, **3**: 580.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai, Pune).

50. ***Acrocercops thylacaula*** Meyrick

1932. *Acrocercops thylacaula* Meyrick, *Exot. Micr.*, **4**: 269.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

51. ***Acrocercops trissoptila*** Meyrick

1921. *Acrocercops trissoptila* Meyrick, *Exot. Micr.*, **2**: 417.

Source: Meyrick (1969).

Distribution: India: Gujarat, Maharashtra (Mumbai).

Superfamily YPONOMEUTOIDEA Stephens, 1829

IX. Family YPONOMEUTIDAE Stephens, 1829

52. ***Hyponomeuta munda*** (Meyrick)

1921. *Hyponomeuta munda* Meyrick, *Exot. Micr.*, **2**: 438.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

53. ***Metharmostis asaphaula*** Meyrick, 1921

1921. *Metharmostis asaphaula* Meyrick, *Exot. Micr.*, **2**: 439.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

X. Family HELIODINIDAE Heinemann & Wocke, 1876

54. ***Stathmopoda isoleuca*** Meyrick

1913. *Stathmopoda isoleuca* Meyrick, *Exot. Micr.*, **1**: 93.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

55. ***Actinoscelis irina*** Meyrick

1912. *Actinoscelis irina* Meyrick, *Exot. Micr.*, **1**: 59.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

XI. Family LYONETIIDAE Stainton, 1854

56. ***Leucoptera chrysoxantha*** Meyrick

1920. *Leucoptera chrysoxantha* Meyrick, *Exot. Micr.*, **2**: 358.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

57. ***Leucoptera crobylistis*** Meyrick

1926. *Leucoptera crobylistis* Meyrick, *Exot. Micr.*, **3**: 265.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

58. ***Leucoptera loxoclista*** Meyrick

1934. *Leucoptera loxoclista* Meyrick, *Exot. Micr.*, **4**: 461.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

59. ***Leucoptera tyrocnistis*** (Meyrick)

1934. *Tischeria tyrocnistis* Meyrick, *Exot. Micr.*, **4**: 461.

1969. *Leucoptera tyrocnistis*: Meyrick, *Exot. Micr.* **I-V**(2nd Ed.).

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

Superfamily unassigned

XII. Family DOUGLASIIDAE Heinemann & Wocke, 1876

60. ***Cryptologa nystalea*** Meyrick

1932. *Cryptologa nystalea* Meyrick, *Exot. Micr.*, **4**: 219.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

Superfamily GELECHIOIDEA Stainton, 1854

XIII. Family AUTOSTICHIDAE Le Marchand, 1947

61. ***Symmoca corymbitis*** Meyrick, 1926

1926. *Symmoca corymbitis* Meyrick, *Exot. Micr.,* **3**: 292.

Source: Meyrick (1969).

Distribution: India: Gujarat, Maharashtra (Mumbai).

XIV. Family LECITHOCERIDAE Le Marchand, 1947

62. ***Cophomantis lysimopa*** (Meyrick)

1933. *Cophomantis lysimopa* Meyrick, *Exot. Micr.*, **4**: 357.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

63. ***Frisilia sejuncta*** Meyrick

1929. *Frisilia sejuncta* Meyrick, *Exot. Micr.*, **3**: 517.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

64. ***Gelechia umbripennis*** (Walsingham)

1885. *Gelechia umbripennis* Walsingham, *Proc. Zool. Soc. London*: 884.

Source: Walsingham (1886).

Distribution: India: Maharashtra (Mumbai).

65. ***Homalaxestis ceroxesta*** Meyrick

1918. *Homalaxestis ceroxesta* Meyrick, *Exot. Micr.*, **2**: 102.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Indonesia.

66. ***Homalaxestis horochlora*** Meyrick

1929. *Homalaxestis horochlora* Meyrick, *Exot. Micr.*, **3**: 519.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

XV. Family OECOPHORIDAE Bruand, 1850

67. ***Atopophrictis xenosema*** Meyrick,

1920. *Atopophrictis xenosema* Meyrick, *Exot. Micr.*, **2**: 369.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

68. ***Porthmologa paraclina*** Meyrick,

1914. *Porthmologa paraclina* Meyrick, *Exot. Micr.*, **1**: 261.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

69. ***Sphaerelictis dorothea*** Meyrick

1924. *Sphaerelictis dorothea* Meyrick, *Exot. Micr.*, **3**: 103.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

70. ***Amorbaea hepatica*** Meyrick

1908. *Amorbaea hepatica* Meyrick, *Jour. Bombay Nat. His. Soc.*, **18**: 627.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

71. ***Ptochoryctis inviolata*** Meyrick,

1925. *Ptochoryctis inviolata* Meyrick, *Exot. Micr.*, **3**: 152.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

72. ***Tonica niviferana*** (Walker)

1864. *Tonica niviferana* Walker, *List Lep. Brit. Mus.*, **29**: 832.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Raigarh). *Elsewhere*: China, Sri Lanka, Vietnam.

XVI. Family ELACHISTIDAE Bruand, 1850

73. ***Elachista endobela*** Meyrick,

1926. *Elachista endobela* Meyrick, *Exot. Micr.*, **3**: 296.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

74. ***Elachista quadrata*** Meyrick

1932. *Elachista quadrata* Meyrick, *Exot. Micr.*, **4**: 217.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

XVII. Family BATRACHEDRIDAE Heinemann & Wocke, 1876

75. ***Batrachedra mictopsamma*** Meyrick

1932. *Batrachedra mictopsamma* Meyrick, *Exot. Micr.*, **4**: 316.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

XVIII. Family COLEOPHORIDAE Bruand, 1850

76. ***Coleophora thiophaea*** Meyrick

1917. *Coleophora thiophaea* Meyrick, *Exot. Micr.*, **2**: 70.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

77. ***Macrocorystis byrsostola*** Meyrick

1931. *Macrocorystis byrsostola* Meyrick, *Exot. Micr.*, **4**: 49.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

XIX. FAMILY SCYTHRIDIDAE Rebel, 1901

78. ***Scythris gratifica*** Meyrick

1921. *Scythris gratifica* Meyrick, *Exot. Micr.*, **2**: 440.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

79. ***Scythris monochreella*** (Ragonot)

1895. *Butalis monochreella* Ragonot, *Bull. Soc. Ent. Fr.*: 108.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Turkey (Taurus Mountains).

80. ***Scythris ochrogramma*** Meyrick

1916. *Scythris ochrogramma* Meyrick, *Exot. Micr.*, **2**: 11.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

81. ***Scythris poliantha*** Meyrick

1921. *Scythris poliantha* Meyrick, *Exot. Micr.*, **2**: 441.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

XX. Family COSMOPTERIGIDAE Heinemann & Wocke, 1876

82. ***Alloclita delozona*** Meyrick

1919. *Alloclita delozona* Meyrick, *Exot. Micr.*, **2**: 238.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

83. ***Apothetodes dialectica*** Meyrick

1919. *Apothetodes dialectica* Meyrick, *Exot. Micr.*, **2**: 233.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

84. ***Clemmatista metacirrha*** Meyrick

1921. *Clemmatista metacirrha* Meyrick, *Exot. Micr.*, **2**: 414.

Source: Meyrick (1969).

Distribution: India: Gujarat, Maharashtra (Mumbai).

85. ***Scaeosopha stagnigera*** Meyrick

1932. *Scaeosopha stagnigera* Meyrick, *Exot. Micr.*, **4**: 277.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

XXI. Family GELECHIIDAE Stainton, 1854

86. ***Acompsia vinolenta*** (Meyrick)

1919. *Telphusa vinolenta* Meyrick, *Exot. Micr.*, **2**: 235.

Source: Meyrick (1919).

Distribution: India: Maharashtra (Mumbai).

87. ***Brachyacma trychota*** Meyrick

1929. *Brachyacma trychota* Meyrick, *Exot. Micr.*, **3**: 510.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

88. ***Chelaria cymoptila*** Meyrick

1929. *Chelaria cymoptila* Meyrick, *Exot. Micr.*, **3**: 514.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

89. ***Chelaria indica*** (Walsingham)

1885. *Gelechia indica* Walsingham, *Proc. Zool. Soc. London*: 804.

Source: Walsingham (1886).

Distribution: India: Maharashtra (Mumbai).

90. ***Chelaria tephroptila*** Meyrick

1931. *Chelaria tephroptila* Meyrick, *Exot. Micr.*, **4**: 70.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

91. ***Chelaria trachydyta*** Meyrick

1920. *Chelaria trachydyta* Meyrick, *Exot. Micr.*, **2**: 304.

Source: Meyrick (1969).

Distribution: India: Karnataka, Maharashtra (Mumbai).

92. ***Cymotricha antisticta*** Meyrick

1929. *Cymotricha antisticta* Meyrick, *Exot. Micr.*, **3**: 511.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

93. ***Dichomeris melanortha*** Meyrick

1929. *Dichomeris melanortha* Meyrick, *Exot. Micr.*, **3**: 510.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai, Pune).

94. ***Dichomeris leucothicta*** Meyrick

1919. *Dichomeris leucothicta* Meyrick, *Exot. Micr.*, **2**: 235.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

95. ***Gelechia luticoma*** Meyrick

1929. *Gelechia luticoma* Meyrick, *Exot. Micr.*, **3**: 489.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

96. ***Telphusa platyphracta*** Meyrick

1935. *Telphusa platyphracta* Meyrick, *Exot. Micr.*, **4**: 584.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

97. ***Telphusa improvida*** Meyrick

1926. *Telphusa improvida* Meyrick, *Exot. Micr.*, **3**: 275.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

98. ***Schneidereria platyphracta*** Meyrick

1935. *Schneidereria platyphracta* Meyrick, *Exot. Micr.*, **4**: 584.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

99. ***Aristotelia paraleuca*** Meyrick

1929. *Aristotelia paraleuca* Meyrick, *Exot. Micr.*, **3**: 482.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

100. ***Brachmia syntonopis*** Meyrick

1923. *Brachmia syntonopis* Meyrick, *Exot. Micr.*, **3**: 48.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

101. ***Trichotaphe centracma*** Meyrick

1923. *Trichotaphe centracma* Meyrick, *Exot. Micr.*, **3**: 4.

Source: Meyrick (1969).

Distribution: India: Kharogodha, Maharashtra (Mumbai).

Superfamily PTEROPHOROIDEA Latreille, 1802

XXII. Family PTEROPHORIDAE Latreille, 1802

102. ***Platyptilia isocrates*** Meyrick

1924. *Platyptilia isocrates* Meyrick, *Exot. Micr.*, **3**: 94.

Source: Meyrick (1969).

Distribution: India: Kashmir, Maharashtra (Mumbai).

Superfamily SCHRECKENSTEINIOIDEA Fletcher, 1929

XXIII. Family SCHRECKENSTEINIIDAE Fletcher, 1929

103. ***Corsocasis cryptosema*** Meyrick

1929. *Corsocasis cryptosema* Meyrick, *Exot. Micr.*, **3**: 544.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

Superfamily IMMOIDEA Common, 1979

XXIV. Family IMMIDAE Common, 1979

104. ***Imma dedicata*** Meyrick

1925. *Imma dedicata* Meyrick, *Exot. Micr.*, **3**: 133.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

105. ***Imma marmarozona*** Meyrick

1928. *Imma marmarozona* Meyrick, *Exot. Micr.*, **3**: 421.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai).

Superfamily TORTRICOIDEA Latreille, 1802

XXV. Family TORTRICIDAE Latreille, 1802

106. ***Loboschiza koenigiana*** (Fabricius)

1775. *Pyralis koenigiana* Fabricius, *Syst. Nat.*: 653.

Source: Gurule & Nikam (2013), Rose & Pooni (2005).

Distribution: India: Maharashtra (Nashik), throughout India, Punjab, Uttarakhand. *Elsewhere*: China, Indonesia, Japan, Korea, Malaysia, Myanmar, Pakistan, Philippines, Sri Lanka.

107. ***Pammene critica*** (Meyrick)

1905. *Eucelis critica* Meyrick, *Jour. Bombay Nat. His. Soc.*, **16**: 421.

Source: Meyrick (1969).

Distribution: India: Gujarat, Karnataka, Maharashtra (Mumbai), West Bengal. *Elsewhere*: Sri Lanka.

108. ***Enarmonia ethelinda*** Meyrick

1934. *Enarmonia ethelinda* Meyrick, *Exot. Micr.*, **4**: 486.

Source: Meyrick (1969).

Distribution: India: Maharashtra (Mumbai), Uttarakhand.

109. ***Archips machlopis*** (Meyrick)

1912. *Cacoecia machlopis* Meyrick, *Exot. Micr.*, **1**: 4.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Assam, Bihar, Maharashtra (Mumbai), Meghalaya, West Bengal. *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Vietnam.

Superfamily COSSOIDEA Leach, 1815

XXVI. Family COSSIDAE Leach, 1815

110. ***Cossus acronyctoides*** Moore

1879. *Cossus acronyctoides* Moore, *Proc. Zool. Soc. London*: 411.

Source: Hampson (1892), Moore (1900).

Distribution: India: Kashmir, Maharashtra (Mumbai). *Elsewhere*: Vietnam.

111. ***Indarbela tetraonis*** Moore

1879. *Indarbela tetraonis* Moore, *Proc. Zool. Soc. London*: 411.

Source: Moore (1879), Hampson (1892).

Distribution: India: Maharashtra (Mumbai).

112. ***Xyleutes persona*** (Le Guillou)

1841. *Cossus persona* Le Guillou, *Rev. Zool.*, **4**: 257.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Himachal Prdesh, Kashmir, Maharashtra (Pune, Nashik), Sikkim, West Bengal. *Elsewhere*: China, Indonesia, Malaysia, New Guinea, Sri Lanka, Thailand, Vietnam.

113. ****Xyleutes strix*** (Linnaeus)

1758. *Phalaena strix* Linnaeus, *Syst. Nat. (Ed. X)*, **1**: 508.

1892. *Duomitus strix*: Hampson, *Fauna Brit. India, Moth,* **I**: 307.

Material examined: 1 ex., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no.4534/H10).

Distribution: India: Maharashtra, Sikkim. *Elsewhere*: Bhutan, China, Indonesia, Malaysia, New Britain Island, New Guinea, Philippines, Taiwan.

114. ***Zeuzera indica*** Herrich-Schaffer

1854. *Zeuzera indica* Herrich-Schaffer, *Samml. Auss. Schmet.*, **1**.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Himachal Prdesh, Maharashtra (Mumbai), Sikkim. *Elsewhere*: Australia, Bangladesh, Myanmar, Nepal, New Guinea, Sri Lanka.

Superfamily ZYGAENOIDEA Latreille, 1809

XXVII. Family LIMACODIDAE Duponchel, 1845

115. ***Altha peralbida*** (Swinhoe)

1904. *Thosea peralbida* Swinhoe, *Trans. Ent. Soc. London* (1): 153.

2009. *Altha peralbida,* Alexey *et al.*: *Entomofauna Suppl.*, **16**: 56.

Source: Alexey *et al.* (2009).

Distribution: India: Maharashtra (Pune).

116. ***Altha nivea*** Walker

1862. *Altha nivea* Walker, *Journ. Linn. Soc. London*, **6**: 173.

Source: Shubhalaxmi *et al.* (2011), Mandal *et al.* (2000).

Distribution: India: Assam, Bihar, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Madhya Pradesh, Maharashtra (Pune), Odisha, Punjab, Sikkim, Southern India. *Elsewhere*: Borneo, Indonesia, Malyasia, Sri Lanka.

117. ***Phocoderma velutinum*** (Kollar)

1848. *Gastropacha velutina* Kollar, *Hugel's Kaschmir*, **4**: 473.

Source: Mandal *et al.* (2000).

Distribution: India: Assam, Jammu & Kashmir, Maharashtra, Tripura, Uttar Pradesh, West Bengal. *Elsewhere*: Bhutan, Indonesia, Malaysia, Myanmar, Nepal, Thailand.

118. ***Hyphormides argentipunctata*** Hering

1931. *Hyphormides argentipunctata* Hering, *In Seitz*, **10**: 691.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule). *Elsewhere*: Indonesia, Malyasia.

119. ***Contheyla propexa*** (Swinhoe)

1889. *Miresa propexa* Swinhoe, *Proc. Zool. Soc. London*: 409.

1931. *Contheyla propexa,* Rothschild: *Nov. Zool.*: 224.

Source: Rothschild (1931).

Distribution: India: Maharashtra (Satara, Pune).

120. ***Thosea cana*** (Walker)

1865. *Parasa cana* Walker, *List. Lep. Ins. Brit. Mus.*, **32**: 484.

Source: Hampson (1892).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Sri Lanka.

121. ***Thosea grandis*** Hering

1931. *Thosea grandis* Hering, *In Seitz*, **10**: 714.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune, Sindhudurg), Meghalaya, Sikkim.

122. ***Cania bilinea*** (Walker)

1854. *Neaera bilinea* Walker, *List. Lep. Ins. Brit. Mus.*, **5**: 1142.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara), Manipur, Sikkim, Southern India. *Elsewhere*: China, Indonesia, Malaysia,Vietnam.

123. ***Cania pulligonis*** (Swinhoe)

1889. *Canara pulligonis* Swinhoe, *Proc. Zool. Soc. London*: 408.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Karnataka, Maharashtra (Pune).

124. ***Cheromettia apicata*** (Moore)

1879. *Belippa apicata* Moore, *Lep. Atk.*: 75.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Manipur, Sikkim.

125. ***Miresa nivaha*** Moore

1858. *Miresa nivaha* Moore, *Cat. Lep. Mus. East India Coy.*, **2**: 413.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Karnataka, Kerala, Maharashtra (Mumbai, Pune).

126. ***Narosa conspersa*** Walker

1855. *Narosa conspersa* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **5**: 1151.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Nagaland, Southern India. *Elsewhere*: Malaysia, Sri Lanka.

127. ****Parasa lepida*** (Cramer)

1779. *Noctua lepida* Cramer, *Pap. Exot.,* **2**: 130.

2013. *Parasa lepida*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4696.

Material examined: 1 ex., Sangli (16°57′N, 74°48′E), 6.xi.2012, Coll. B. Mitra & Party (Reg. no. 4415/H10).

Distribution: India: Throughout India including Maharashtra (Satara, Mumbai, Pune, Nashik and Nandurbar). *Elsewhere*: Indonesia, Japan, Malaysia, Sri Lanka, Vietnam.

128. ***Parasa bicolor*** (Walker)

1855. *Neaera bicolor* Walker, *List. Lep. Ins. Brit. Mus.*, **5**: 1142.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Sindhudurg). *Elsewhere*: China, Java, Myanmar to Malaya, Taiwan.

129. ***Parasa darma*** Moore

1859. *Parasa darma* Moore, *Cat. Lep. Mus. East India Coy.* **2**: 414.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai), Sikkim. *Elsewhere*: Indonesia, Myanmar.

130. ***Parasa herbifera*** (Walker)

1855. *Nyssia herbifera* Walker, *List. Lep. Ins. Brit. Mus.*, **5**: 1136.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai, Pune), Meghalaya, Tamil Nadu. *Elsewhere*: Nepal.

131. ***Parasa pastoralis*** Butler

1885. *Parasa pastoralis* Butler, *Ann. Mag. Nat. Hist.*, (5) **6**: 63.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Sikkim. *Elsewhere*: Bhutan, China, Indonesia, Nepal, Pakistan, Vietnam.

132. ***Parasa hilaris*** (Westwood)

1848. *Limacodes hilaris* Westwood, *Cab. Ori. Ent.,* **50**: t. 24; f. 3.

Source: Gurule & Nikam (2013).

Distribution: India: Jharkhand, Maharashtra (Nashik, Jalgaon). *Elsewhere*: Sri Lanka.

133. ***Scopelodes venosa*** Walker

1855. *Scopelodes venosa* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **5**: 1105.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai), Sikkim, Uttarakhand. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

XXVIII. Family ZYGAENIDAE Latreille, 1809

134. ***Eterusia aedea*** (Clerck)

1759. *Papilio aedea* Clerck, *Icon. Ins. rariorum:* pl. 4, f. 2.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Assam, Maharashtra (Mumbai, Pune, Sindhudurg), Meghalaya, Nagaland, Sikkim, West Bengal. *Elsewhere*: Bangladesh, China, Japan, Nepal, Sri Lanka.

Superfamily Thyridoidea Herrich-Schaffer, 1846

XXIX. Family THYRIDIDAE Herrich-Schaffer, 1846

135. ***Banisia myrsusalis*** (Walker)

1859. *Pyralis myrsusalis* Walker, *List Specs. Lep. Ins. Coll. Brit. Mus.*, **19**: 892.

Source: Swinhoe (1885), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Australia, Brazil, North and South America.

136. ***Dixoa albatalis*** (Swinhoe)

1889. *Rhodoneura albatalis* Swinhoe, *Proc. Zool. Soc. London* **1889**: 422.

Source: Hampson (1892).

Distribution: India: Maharashtra (Pune).

137. ***Hypolamprus striatalis*** (Swinhoe)

1885. *Microsca striatalis* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 875.

Source: Hampson (1892).

Distribution: India: Maharashtra (Pune).

138. ***Hypolamprus ferrofusa*** (Hampson)

1893. *Rhodoneura ferrofusa* Hampson, *Fauna Brit. India. Moths*, **1**: 362.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai).

139. ***Picrostomastis subrosealis*** (Leech)

1889. *Microsca subrosealis* Leech, *Entomologist*, **22**: 66.

Source: Hampson (1892).

Distribution: India: Maharashtra (Pune). *Elsewhere*: China.

140. ***Striglina scitaria*** (Walker)

1862. *Drepanodes scitaria* Walker, *List Specimens Lep. Ins. Coll. Brit. Mus.*, **25**: 1488.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Satara, Mumbai, Raigarh). *Elsewhere*: Australia, Fiji, Indonesia, Japan, Malaysia, Myanmar, New Guinea, Sri Lanka, Taiwan.

Superfamily HYBLAEOIDEA Hampson, 1903

XXX. Family HYBLAEIDAE Hampson, 1903

141. ****Hyblaea puera*** (Cramer)

1777. *Noctua puera* Cramer, *Pap. Exot*. pl. 103.

2013. *Hyblaea puera*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4696.

Material examined: 1 ex., Sindhudurg (16°05.4′N, 73°74′E), 31.viii.2013, Coll. B. Mitra & Party (Reg. no. 4530/H9).

Distribution: India: Throughout India including Maharashtra (Nashik, Nandurbar and Pune). *Elsewhere*: Australia, Bangladesh, New Guinea, Sri Lanka, Thailand.

142. ***Hyblaea constellata*** (Guenee)

1852. *Hyblaea constellata* Guenee, *Noct.*, **2**: 391.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Bangladesh, Myanmar, New Guinea, Sri Lanka, Taiwan.

Superfamily PYRALOIDEA Latreille, 1809

XXXI. Family PYRALIDAE Latreille, 1809

143. ***Ancylosis niveicostella*** Hampson

1896. *Ancylosis niveicostella* Hampson, *Fauna Brit. Ind. Moths,* **4**: 72.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

144. ***Anerastia brunneovittella*** Ragonot

1888. *Anerastia brunneovittella* Ragonot, *Nouv. Phyc.*: 49.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai).

145. ***Zitha vibicalis*** (Lederer)

1863. *Stemmatophora vibicalis* Lederer, *Wien. Ent. Monats.* **7**(10): 338, (12): 457.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), North West Himalayas. *Elsewhere*: Sri Lanka.

146. ***Zitha tactilis*** (Swinhoe)

1890. *Stemmatophora tactilis* Swinhoe, *Trans. Ent. Soc.*, **1890**: 290.

Source: Hampson (1896), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara), Sikkim, Tamil Nadu. *Elsewhere*: Myanmar.

147. ***Bostra indicator*** (Walker)

1863. *Arippara indicator* Walker, *Journ. Linn. Soc.*, **7**: 74.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara). *Elsewhere*: China, Japan, Nepal.

148. ***Discordia evulsa*** Swinhoe

1885. *Discordia evulsa* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 448.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune).

149. ***Endotricha mesenterialis*** (Walker)

1859. *Doththa mesenterialis* Walker, *Cat. Lep.*, **17**: 285.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), North West Himalayas, Tamil Nadu. *Elsewhere*: Java, Myanmar, Sarawak Island, Sri Lanka, Taiwan.

150. ***Galleria mellonella*** (Linnaeus)

1758. *Tinea mellonella* Linnaeus, *Syst. Nat. (Ed. X)*: 537.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Europe, Great Britain, New Zealand, Northern Africa, Northern America.

151. ***Ocrasa nostralis*** (Guenee)

1854. *Pyralis nostralis* Guenee, *Delt. & Pyr.* : 122.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Brazil.

152. ***Hypsopygia mauritialis*** (Boisduval)

1833. *Asopia mauritialis* Boisduval, *Faun. Madag.*: 119.

Source: Hampson (1896), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Pune, Nashik, Nandurbar), Manipur, North West Himalayas. *Elsewhere*: Mauritius.

153. ***Herculia tenuis*** (Butler)

1880. *Pyralis tenuis* Butler, *Proc. Zool. Soc. London*: 681.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Brazil, Formosa, South Africa, Sri Lanka.

154. ***Lamoria anella*** (Denis & Schiffermuller)

1775. *Tinea anella* Schiffermuller, *Syst. Verz. Schmett. Wien.* : 135.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune), Punjab. *Elsewhere*: Egypt, Europe.

155. ***Loryma recusata*** (Walker)

1863. *Beria recusata* Walker, *Journ. Linn. Soc.*, **7**: 62.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Malaysia.

156. ***Faveria akbarella*** (Ragonot)

1888. *Oligochroa akbarella* Ragonot, *Nouv. Phyc.*: 20.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), Punjab.

157. ***Melathrix praetextella*** (Christoph)

1877. *Pempelia praetextella* Christoph, *Hor. Ent. Ross.*, **12**: 279.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), Punjab. *Elsewhere*: Myanmar, Pakistan, Siberia, Turkmenistan.

158. ***Orthaga roseiplaga*** Hampson

1896. *Orthaga roseiplaga* Hampson, *Fauna Brit. India, Moths,* **4**: 124.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai).

159. ***Asclerobia flavitinctella*** (Ragonot)

1893. *Laodamia flavitinctella* Ragonot, *In Rom. Mem. Lep.,* **7**: 418.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Australia.

160. ***Emmalocera aurifusellus*** (Walker)

1866. *Crambus aurifusellus* Walker, *List Lep. Ins. Brit. Mus.,* **35**: 1756.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), North West Himalayas, Punjab.

161. ***Polyocha depressella*** (Swinhoe)

1885. *Melissoblaptes depressella* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 876.

Source: Hampson (1896).

Distribution: India: Himachal Pradesh, Maharashtra (Pune), Tamil Nadu.

162. ***Aurana actiosella*** Walker

1863. *Aurana actiosella* Walker, *List Spec. Lep. Ins. Brit. Mus.,* **27**: 122.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), Nagaland. *Elsewhere*: Accra, Colombo, Sri Lanka.

163. ***Sacada rufina*** Hampson

1896. *Sacada rufina* Hampson, *Fauna Brit. India, Moths*, **4**: 172.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai).

164. ***Tamraca torridalis*** (Lederer)

1863. *Asopia torridalis* Lederer, *Wien. Ent. Mon.,* **1863**: 342 & 457.

Source: Hampson (1896), Shubhalaxmi *et al.* (2011).

Distribution: India: Gujarat, Karnataka, Maharashtra (Mumbai, Satara), Nagaland, North West Himalayas. *Elsewhere*: China, Indonesia, Java, Myanmar, Sri Lanka.

165. ***Vitessa suradeva*** Moore

1860. *Vitessa suradeva* Moore, in Horsfield & Moore, *Cat. Lep. Ins. Mus. Nat. East India House,* **2**: 299.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Assam, Maharashtra (Sindhudurg), Sikkim, Southern India. *Elsewhere*: Indonesia, Malaysia, Myanmar, Sri Lanka.

166. ***Caina inanitella*** (Ragonot)

1888. *Anoristia inanitella* Ragonot, *Nouv. Phycitidae*: 25.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai, Pune), Punjab.

167. ***Triphassa xylinalis*** (Swinhoe)

1886. *Pyralis xylinalis* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 865.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune).

168. ***Homoeosoma fuscella*** Hampson

1901. *Homoeosoma fuscella* Hampson, *Romanoff Mem. Lep.,* **8**: 237.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai).

169. ***Canthelea oegnusalis*** (Walker)

1859. *Pyralis oegnusalis* Walker, *List. Spec. Lep. Ins. Brit. Mus.*, **19**: 905.

Source: Swinhoe (1886).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

XXXII. Family CRAMBIDAE Latreille, 1810

170. ***Aetholix flavibasalis*** (Guenee)

1854. *Aediodes flavibasalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 193.

Source: Hampson (1896), Kirti & Sodhi (2001), Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Maharashtra (Mumbai, Satara, Mumbai, Pune). *Elsewhere*: Africa, Australia, China, Hawaii Is., Indonesia, Malaysia, Myanmar, Sri Lanka.

171. ***Autocharis fessalis*** (Swinhoe)

1886. *Glyphodes fessalis* Swinhoe, *Proc. Zool. Soc. London,* **1886**: 459.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Bhutan, Pakistan, Seychelles, South Africa, UAE, Yemen.

172. ***Antigastra catalaunalis*** (Duponchel)

1833. *Botys catalaunalis* Duponchel, *Hist. Nat. Lep. Fr.,* **8**(2): 330.

Source: Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Nashik, Dhule, Jalgaon).

173. ***Pardomima distorta*** (Moore)

1886. *Lygropia distorta* Moore, *Lep. Ceylon*, **3**: 270.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Sri Lanka.

174. ***Agathodes ostentalis*** (Geyer)

1833. *Perinephela ostentalis* Geyer, in Huebner, *Zutrage. Samml. Exot. Schmett.,* **5**: 11.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Pune, Nashik, Jalgaon, Nandurbar), Meghalaya, Nagaland, Sikkim, Uttarakhand. *Elsewhere*: Indonesia, Myanmar, Sri Lanka.

175. ***Agrotera basinotata*** Hampson

1891. *Agrotera basinotata* Hampson, *Ill. typical Spec. Lep. Het. Coll. Brit. Mus.,* **8**: 137.

Source: Hampson (1891 & 1896), Gurule & Nikam (2013), Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Gujarat, Maharashtra (Mumbai, Nashik, Satara, Mumbai, Pune), Punjab, Tamil Nadu. *Elsewhere*: Myanmar, Sri Lanka.

176. ***Agrotera scissalis*** Walker

1865. *Agrotera scissalis* Walker, *Cat. Lep.*, **34**: 1526.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara) Meghalaya, Nagaland, Sikkim. *Elsewhere*: Indonesia, Myanmar, Sri Lanka.

177. ***Arthroschista hilaralis*** (Walker)

1859. *Margaronia hilaralis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **18**: 532.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Eastern and North west Himalaya, Maharashtra (Mumbai). *Elsewhere*: Australia, Indonesia, Malaysia, Myanmar, Sri Lanka.

178. ***Analyta melanopalis*** Guenee

1854. *Analyta melanopalis* Guenee, *Delt. & Pyr.* : 224.

Source: Hampson (1896).

Distribution: India: Andaman and Niocbar Islands, Maharashtra (Mumbai).

179. ***Ancylolomia saundersiella*** Zeller

1863. *Ancylolomia saundersiella* Zeller, *Chil. Cramb. Gen. Spec.*: 10.

Source: Hampson (1896), Moore (1872), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Nashik).

180. ***Archernis capitalis*** (Fabricius)

1794. *Phalaena capitalis* Fabricius, *Ent. Syst.*, **3**(2): 229.

Source: Hampson (1896).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai), Sikkim.

181. ***Dichocrocis festivalis*** Swinhoe

1885. *Dichocrocis festivalis* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 872.

Source: Swinhoe (1886), Hampson (1896).

Distribution: India: Maharashtra (Mumbai).

182. ***Aulacodes colonialis*** Guenee

1854. *Aulacodes colonialis* Guenee, *Delt. & Pyr.* : 262.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), Sikkim.

183. ***Bocchoris incisalis*** (Snellen)

1880. *Botys incisalis* Snellen, *Tijd. Ent.,* **1880**: 215.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Sri Lanka, Sulawesi Island.

184. ***Botyodes asialis*** Guenee

1854. *Botyodes asialis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 321.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Snajya Gandhi NP, Pune, Pune, Nashik, Jalgaon, Nandurbar). *Elsewhere*: Africa, Australia, Baluchistan, China, Indonesia, Malaysia, Myanmar, Nepal, New Guinea, Philippines, Singapore, Sri Lanka, Thailand, Vietnam.

185. ***Botyodes flavibasalis*** Moore

1867. *Botyodes flavibasalis* Moore, *Proc. Zool. Soc. London,* **1867**: 96.

Source: Kirti & Sodhi (2001), Gurule & Nikam (2013).

Distribution: India: Arunachal Pradesh, Andaman and Nicobar Islands, Maharashtra (Nashik, Jalgaon). *Elsewhere*: Myanmar, New Guinea, Sumatra.

186. ***Cydalima conchylalis*** (Guenee)

1854. *Margarodes conchylalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 303.

Source: Hampson (1896).

Distribution: India: Assam, Maharashtra (Mumbai), Sikkim, Tamil Nadu. *Elsewhere*: Myanmar.

187. ***Cydalima laticostalis*** (Guenee)

1854. *Margarodes laticostalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 303.

Source: Kirti & Sodhi (2001), Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Maharashtra (Mumbai, Pune, Nashik, Dhule, Jalgaon, Nandurbar), Meghalaya, Nagaland. *Elsewhere*: China, Myanmar, Sri Lanka, Thailand.

188. ***Nymphicula blandialis*** (Walker)

1859. *Cataclysta blandialis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **17**: 448.

Source: Hampson (1896).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai), West Bengal. *Elsewhere*: Sri Lanka.

189. ***Charltona bivitellus*** Moore

1872. *Charltona bivitellus* Moore, *Proc. Zool. Soc. London,* **1872**: 581.

Source: Hampson (1896), Moore (1872).

Distribution: India: Maharashtra (Mumbai).

190. ***Charltona cervinellus*** Moore

1872. *Charltona cervinellus* Moore, *Proc. Zool. Soc. London,* **1872**: 581.

Source: Hampson (1896), Moore (1872).

Distribution: India: Karnataka, Maharashtra (Mumbai, Matheran, Pune), Uttar Pradesh.

191. ***Charltona inconspicuellus*** Moore

1872. *Charltona inconspicuellus* Moore, *Proc. Zool. Soc. London* : 582.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), Kerala.

192. ***Chilo suppressalis*** (Walker)

1863. *Crambus suppressalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **27**: 166.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Assam, Maharashtra (Mumbai), Punjab, West Bengal. *Elsewhere*: China, Hawaii, Japan, Korea, Malaysia, Spain, Sri Lanka, Taiwan.

193. ***Eristena postalbalis*** (Hampson)

1892. *Parapoynx postalbalis* Hampson, *Ill. typical Spec. Lep. Het. Coll. Brit. Mus.,* **9**: 51 & 175.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara). *Elsewhere*: Sri Lanka.

194. ***Paracymoriza vagalis*** (Walker)

1866. *Oligostigma vagalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **34**: 1530.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara), Punjab, Tamil Nadu. *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand.

195. ***Cirrhochrista brizoalis*** (Walker)

1859. *Margaronia brizoalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **19**: 976.

Source: Hampson (1896), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Nashik), North West Himalayas. *Elsewhere*: Australia, Borneo, China, Formosa, Japan, Sri Lanka, Sulawesi Island.

196. ***Cnaphalocrocis poeyalis*** (Boisduval)

1833. *Botys poeyalis* Boisduval, *Fauna Ent. Madag. Lep.* : 118.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Satara). *Elsewhere*: Africa, Australia, China, Indonesia, Japan, Mauritius, Myanmar, Sri Lanka, Thailand.

197. ***Cnaphalocrocis medinalis*** (Guenee)

1854. *Salbia medinalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 201.

Source: Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Dhule, Nandurbar).

198. ***Conogethes punctiferalis*** (Guenee)

1854. *Astura punctiferalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 320.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Satara, Nashik, Nandurbar). *Elsewhere*: Australia, China, Thailand.

199. ***Daulia afralis*** Walker

1859. *Daulia afralis* Walker, *Cat. Lep.*, **19**: 975.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara, Mumbai, Sindhudurg), Tamil Nadu. *Elsewhere*: Bhutan, China, Indonesia, Malaysia, Myanmar.

200. ***Diaphania indica*** (Saunders)

1851. *Eudioptes indica* Saunders, *Trans. Ent. Soc London,* (2) **1**: 163.

Source: Kirti & Sodhi (2001), Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Maharashtra (Satara, Mumbai, Pune, Nashik, Dhule, Jalgaon, Nandurbar), Manipur, West Bengal. *Elsewhere*: Africa, Australia, Central America, China, Japan, Korea, Madagascar, Nepal, Saudi Arabia.

201. ***Syllepte textalis*** (Lederer)

1863. *Coplobasis textalis* Lederer, *Wien. Ent. Mon.,* **1863**: 482.

Source: Swinhoe (1886).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Borneo.

202. ***Crambus nigriciliellus*** (Zellar)

1863. *Crambus nigrociliella* Zellar, *Mon. Chil. & Cramb.* : 52.

Source: Hampson (1896).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai). *Elsewhere*: China, Japan.

203. ***Deba milvinalis*** (Swinhoe)

1885. *Deba milvinalis* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 875.

Source: Swinhoe (1886).

Distribution: India: Maharashtra (Mumbai).

204. ***Dichocrocis nigrilinealis*** (Walker)

[1866]. *Botys nigrilinealis* Walker, *Wlk. Cat.,* **34**: 1410.

Source: Hampson (1896).

Distribution: India: Himachal Pradesh, Meghalaya, Maharashtra (Mumbai), Sikkim, Tamil Nadu. *Elsewhere*: Cambodia, Myanmar, Sri Lanka, Sulawesi.

205. ***Dichocrocis nilusalis*** (Walker)

1859. *Botys nilusalis* Walker, *Cat. Lep.*, **18**: 685.

Source: Kirti & Sodhi (2001), Shubhalaxmi *et al.* (2011).

Distribution: India: Assam, Maharashtra (Pune, Satara), Meghalaya, Nagaland. *Elsewhere*: Indonesia, Malaysia, Sri Lanka.

206. ***Euchromius ocellea*** (Haworth)

1811. *Palparia ocellea* Haworth, *Lep. Britannica* (3): 486.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune), Punjab, Uttar Pradesh. *Elsewhere*: London.

207. ***Filodes fulvidorsalis*** (Huebner)

1832. *Pinacia fulvidorsalis* Huebner, *Zutrage Samml. Exot. Schmett.* **4**: 15.

Source: Kirti & Sodhi (2001), Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Assam, Maharashtra (Pune, Sindhudurg, Nashik), Meghalaya, Nagaland, Sikkim. *Elsewhere*: China, Indonesia, Sri Lanka, Vietnam.

208. ***Haritalodes derogata*** (Fabricius)

1775. *Phalaena derogata* Fabricius, *Syst. Ent.*: 641.

Source: Kirti & Sodhi (2001), Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Assam, Maharashtra (Mumbai), Meghalaya, Mizoram. *Elsewhere*: Australia, China, Fiji, Indonesia, Japan, Malaysia, Nepal, New Guinea, Samoa, Singapore, West Africa.

209. ***Herpetogramma luctuosalis*** Guenee

1854. *Herpetogramma luctuosalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 290.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Satara, Sindhudurg). *Elsewhere*: Borneo, China, Japan, Siberia.

210. ***Notarcha quaternalis*** (Zeller)

1852. *Botys quaternalis* Zeller, *Lep. Caffr.* : 44.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Africa, Australia, China, Malaysia, Myanmar, Sri Lanka.

211. ***Maruca vitrata*** (Fabricius)

1787. *Phalaena vitrata* Fabricius, *Mant. Insectorium*, **2**: 215.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Africa, Arabia, Australia, Bangladesh, Cambodia, China (including Hong Kong), Indonesia, Japan, Korea, Laos, Madagascar, Malaysia, Melanesia, Micronesia, Myanmar, New Caledonia, New Guinea, New Zealand, Pakistan, Philippines, Polynesia, Singapore, South and Central America, Sri Lanka, Taiwan, Tasmania, Thailand, Vietnam.

212. ***Nausinoe geometralis*** (Guenee)

1854. *Lepyrodes geometralis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 278.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara, Sindhudurg). *Elsewhere*: Africa, Australia, China, Indonesia, Myanmar, Nepal, Philipines, Sri Lanka, Taiwan.

213. ***Omiodes analis*** Snellen

1880. *Omiodes analis* Snellen, *Tijd. Ent.*, **23**: 227.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Satara). *Elsewhere*: China, Indonesia, Taiwan.

214. ***Omiodes diemenalis*** (Guenee)

1854. *Asopia diemenalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 203.

Source: Kirti & Sodhi (2001), Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Satara, Nashik, Dhule, Jalgaon, Nandurbar), Tripura.

215. ***Omiodes indicata*** Fabricius

1775. *Omiodes indicata* Fabricius, *Syst. Ent.*: 640

Source: Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Nashik). *Elsewhere*: Africa, America, Australia, China, Fizi, Indonesia, Malaysia, Nepal, Philippines, Singapore, Sri Lanka, Thailand, Vietnam.

216. ***Pagyda salvalis*** Walker

1859. *Pagyda salvalis* Walker, *Cat. Lep.*, **17**: 487.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara), Sikkim. *Elsewhere*: Australia, China, Indonesia, Japan, Myanmar, New Guinea, Philipines, Sri Lanka, Thailand.

217. ***Parotis marginata*** (Hampson)

1893. *Cenocnemis marginata* Hampson, *Ill. typical Spec. Lep. Het. Coll. Brit. Mus.,* **9**: 169.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Satara, Sindhudurg, Nashik, Jalgaon, Nandurbar), Sikkim, West Bengal. *Elsewhere*: Papua New Guinea, Sri Lanka.

218. ***Pleuroptya iopasalis*** (Walker)

1859. *Botys iopasalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **18**: 652.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara). *Elsewhere*: China, Indonesia, Malaysia, Philippines, Sri Lanka.

219. ***Pycnarmon alboflavalis*** (Moore)

1888. *Conogethes alboflavalis* Moore, *Lep. Atk.* : 220.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara).

220. ***Lamprosema scitalis*** Swinhoe

1885. *Lamprosema scitalis* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 569.

Source: Swinhoe (1886), Hampson (1896).

Distribution: India: Maharashtra (Mumbai).

221. ***Lamprosema commixta*** (Butler)

1879. *Samea commixta* Butler, *Ame. Mus. Nat. Hist.*, (5)**4**: 453.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Assam, Maharashtra (Pune). *Elsewhere*: China, Indonesia, Japan, Nepal, Sri Lanka, Vietnam.

222. ***Lamprosema niphealis*** Walker

1859. *Lamprosema niphealis* Walker, *Cat. Lep.*, **18**: 638.

Source: Swinhoe (1886), Hampson (1896).

Distribution: India: Maharashtra (Mumbai), Sikkim, West Bengal. *Elsewhere*: Africa.

223. ***Isocentris filalis*** (Guenee)

1854. *Asopia filalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 204.

Source: Hampson (1896).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai), Tamil Nadu. *Elsewhere*: Mauritius.

224. ***Nymphula responsalis*** (Walker)

1865. *Diasemia responsalis* Walker, *Cat. Lep.*, **34**: 1326.

Source: Swinhoe (1886).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Australia.

225. ***Nymphula affinialis*** (Guenee)

1854. *Paraponyx affinialis* Guenee, *Delt. & Pyr.* : 270.

Source: Hampson (1896).

Distribution: India: Himachal Pradesh, Maharashtra (Pune, Mumbai), Nicobar Islands, Sikkim, Uttar Pradesh. *Elsewhere*: Pakistan, Yemen (Socotra islands).

226. ***Metasia sabulosalis*** Warren

1896. *Metasia sabulosalis* Warren, *Ann. Nat. Hist.*, (6)**18**: 217.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune), Punjab.

227. ***Pilocrocis barcalis*** (Walker)

1859. *Botys barcalis* Walker, *Cat. Lep.*, **19**: 1001.

Source: Hampson (1896).

Distribution: India: Meghalaya, Maharashtra (Mumbai, Pune), West Bengal. *Elsewhere*: Malaysia.

228. ***Niphopyralis albida*** Hampson

1893. *Niphopyralis albida* Hampson, *Ill. Het.* **9**: 52, 181.

Source: Hampson (1896), Swinhoe (1895).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

229. ***Noctuelia floralis*** (Huebner)

1809. *Pyralis floralis* Huebner, *Samml. Eur. Schmett.* [6]: pl. 22, f. 142.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), North West Himalayas, Punjab. *Elsewhere*: Afghanistan, Europe, Syria.

230. ***Parapoynx stagnalis*** (Zeller)

1852. *Nymphula stagnalis* Zeller, *K. Veten. Akad. Hand.,* **1852**: 26.

Source: Hampson (1896), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Nashik), Punjab. *Elsewhere*: Natal.

231. ***Parapoynx diminutalis*** Snellen

1880. *Parapoynx diminutalis* Snellen, *Tijdschr. Ent.*, **23**: 242.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai), Punjab. *Elsewhere*: Africa, China, Europe, Indonesia, North America, Sri Lanka.

232. ***Pachynoa pectinicornalis*** (Guenee)

1854. *Polygrammodes pectinicornalis* Guenee, *Delt. & Pyr.* : 326.

Source: Hampson (1896), Kirti & Sodhi (2001).

Distribution: India: Assam, Gujarat, Maharashtra (Mumbai, Pune), Nagaland, West Bengal.

233. ***Paractenia rubicudalis*** Swinhoe

1885. *Pyralis rubicundalis* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 864.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune).

234. ***Paractenia pallidirubra*** Hampson

1917. *Paractenia pallidirubra* Hampson, *Ann. Nat. Hist.*, **19**: 88.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai).

235. ***Paractenia quisqualis*** (Swinhoe)

1885. *Pyralis quisqualis* Swinhoe, *Proc. Zool. Soc. London* **1885**: 865.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune).

236. ***Patissa fulvosparsa*** (Butler)

1881. *Apurima fulvosparsa* Butler, *Trans. Ent. Soc.* : 591.

Source: Hampson (1896).

Distribution: India: Himachal Pradesh, Maharashtra (Pune), Tamil Nadu. *Elsewhere*: Japan.

237. ***Achryra massalis*** (Walker)

1859. *Scopula massalis* Walker, *Cat. Lep.*, **18**: 792.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune), North West Himalaya, Punjab. *Elsewhere*: Australia.

238. ***Ptychopseustis ictericalis*** (Swinhoe)

1885. *Scoparia ictericalis* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 876.

Source: Hampson (1896), Swinhoe (1886).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Saudi Arabia.

239. ***Protrigonia zizanialis*** (Swinhoe)

1885. *Pyralis zizanialis* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 865.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

240. ****Pygospila tyres*** (Cramer)

1780. *Phalaena tyres* Cramer, *Pap. Exot.*, **3**: 263.

2013. *Pygospila tyres*: Gurule and Nikam, *Jour. Thr. Taxa,* **5** (12): 4696.

Material examined: 1 ex., Satara (17°46.2′N, 74°24.2′E), 27.viii.2013, Coll. K. Chandra & Party (Reg. no. 4529/H10).

Distribution: India: Bihar, Himachal Pradesh, Jharkhand, Madhya Pradesh, Maharashtra (Mumbai, Pune, Nashik, Dhule and Jalgaon), Punjab, Rajasthan, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Australia, Indonesia, Myanmar, Pakistan, Sri Lanka.

241. ***Pygospila costiflexalis*** Guenee

1854. *Pygospila costiflexalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.* **8**: 313.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), Tamil Nadu. *Elsewhere*: Sri Lanka, Sumbawa Island.

242. ****Glyphodes unionalis*** (Huebner)

1796. *Pyralis unionalis* Huebner, *Eur. Schmett. Pyr.,* **6**: 21.

1895. *Glyphodes unionalis*: Hampson, *Fauna Brit. India,* **IV**: 351.

Material examined: 1 ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no. 3182/H10).

Distribution: India: Throughout India including Maharashtra (Pune). *Elsewhere*: Aden, Africa, Australia, Madagascar, Mauritius, Southern Europe, Sri Lanka.

243. ***Glyphodes canthusalis*** Walker

1859. *Glyphodes canthusalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **17**: 505.

Source: Hampson (1896), Kirti & Sodhi (2001).

Distribution: India: Arunachal Pradesh, Assam, Maharashtra (Mumbai), Nagaland, Sikkim, West Bengal. *Elsewhere*: Borneo.

244. ***Glyphodes bicolor*** (Swainson)

1821. *Botis bicolor* Swainson, *Zool. Ill.* (1), **2**: pl. 77.

Source: Kirti & Sodhi (2001), Shubhalaxmi *et al.* (2011).

Distribution: India: Assam, Andaman and Nicobar Islands, Maharashtra (Satara), Meghalaya, Mizoram, Nagaland, Sikkim. *Elsewhere*: Africa, Australia, China, Japan, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Vietnam.

245. ***Glyphodes bivitralis*** Guenee

1854. *Glyphodes bivitralis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 293.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Assam, Maharashtra (Mumbai, Pune, Satara, Nashik, Dhule, Jalgaon, Nandurbar), Southern and Western India, Uttar Pradesh, Uttarakhand, Sikkim. *Elsewhere*: America, Australia, China, Indonesia, Malaysia, Myanmar, Singapore, Sri Lanka, Thailand.

246. ***Glyphodes actorionalis*** Walker

1859. *Glyphodes actorionalis* Walker, *Cat. Lep.*, **17**: 498.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Satara). *Elsewhere*: Malayan Subregion.

247. ***Glyphodes caesalis*** (Walker)

1859. *Glyphosalis caesalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **17**: 499.

Source: Kirti & Sodhi (2001), Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Maharashtra (Mumbai), Manipur, Meghalaya, Nagaland, Sikkim. *Elsewhere*: China, Indonesia, Malaya, Myanmar, Nepal, Philippines, Singapore, Sri Lanka, Thailand, Vietnam.

248. ***Glyphodes stolalis*** Guenee

1854. *Glyphodes stolalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 293.

Source: Kirti & Sodhi (2001), Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Maharashtra (Pune, Mumbai), Manipur, Meghalaya, Nagaland, Sikkim, West Bengal. *Elsewhere*: Australia, China, Fiji, Indonesia, Malaysia, Myanmar, Nepal, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam.

249. ***Glyphodes glauculalis*** (Guenee)

1854. *Margarodes glauculalis* Guenee, *Delt. & Pyr.* : 306.

Source: Hampson (1896).

Distribution: India: Andaman Islands, Assam, Kerala, Maharashtra (Mumbai), Sikkim, West Bengal. *Elsewhere*: Indonesia, Malaysia, Myanmar, South America, Sri Lanka.

250. ***Glyphodes pomonalis*** (Guenee)

1854. *Margarodes pomonalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 309.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), Sikkim. *Elsewhere*: China, Indonesia, Sri Lanks.

251. ****Mimudea brevialis*** (Walker)

1859. *Pionea brevialis* Walker, *Wlk. Cat.,* **XVIII**: 759.

1895. *Pionea brevialis*: Hampson, *Fauna Brit. India,* **IV**: 426.

Material examined: 1 ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no. 3185/H10).

Distribution: India: Himachal Pradesh, Maharashtra (Pune), Nagaland, Tamil Nadu. *Elsewhere*: Africa, Australia, Sri Lanka.

252. ***Nomophila noctuella***
(Denis & Schiffermuller)

1775. *Nomophila noctuella* Schiffermuller, *Wien. Verz.*: 136.

1895. *Nomophila noctuella* Hampson, *Fauna Brit. India,* **IV**: 401.

Material examined: 1ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no. 3186/H10).

Distribution: India: Throughout India including Maharashtra (Pune). *Elsewhere*: Central Asia, Europe, Northern Africa, Pakistan.

253. ***Hellula undalis*** (Fabricius)

1794. *Hellula undalis* Fabricius, *Ent. Syst*., **III** (2): 226.

1896. *Hellula undalis*: Hampson, *Fauna Brit. India, Moth,* **IV**: 373.

Material examined: 1 ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no.3184/H10).

Distribution: India: Throughout India including Maharashtra (Pune). *Elsewhere*: Africa, Bangladesh, Europe, Indonesia, Malaysia, Myanmar, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam.

254. ***Sameodes cancellalis*** (Zeller)

1852. *Botys cancellalis* Zeller, *K. Veten. Akad. Hand.,* **1852**: 34.

Source: Shubhalaxmi *et al*. (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharshtra (Satara, Nashik, Dhule). *Elsewhere*: America, Australia, China, Indonesia, Myanmar, Nepal, Sri Lanka, Thailand.

255. ***Spoladea recurvalis*** (Fabricius)

1775. *Phalaena recurvalis* Fabricius, *Syst. Ent.* : 644.

Source: Shubhalaxmi *et al*. (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Pune, Satara, Nashik, Dhule, Jalgaon, Nandurbar), West Bengal. *Elsewhere*: Africa, Australia, China, Sri Lanka, Nepal, Myanmar, Thailand, Malaysia, North and South America, Southern Europe.

256. ***Terastia egialealis*** (Walker)

1859. *Megaphysa egialealis* Walker, *Cat. Lep.*, **17**: 383.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Satara, Nashik). *Elsewhere*: China, Malaysia, Nepal, Thailand.

257. ***Tyspanodes linealis*** (Moore)

1867. *Propachys linealis* Moore, *Proc. Zool. Soc. London,* **1867**: 665

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicoabr Islands, Maharashtra (Mumbai, Nashik, Jalgaon, Nandurbar), Uttar Pradesh.

258. ***Pyrausta phoenicealis*** (Huebner)

1818. *Haematia phoenicealis* Huebner, *Zutrage Samml. Exot. Schmett.,* **1**: 22.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), Sikkim, Tamil Nadu. *Elsewhere*: Florida.

259. ***Pyrausta panopealis*** (Walker)

1859. *Rhodaria panopealis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **17**: 318.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: China.

260. ***Scirpophaga bisignatus*** (Swinhoe)

1885. *Schoenobius bisignatus* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 878.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune), Uttar Pradesh, West Bengal.

261. ***Prionapteryx fuscilella*** (Swinhoe)

1893. *Surattha fuscilella* Swinhoe, *Ame. Mus. Nat. Hist.*, (6)**16**: 301.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai, Raipur).

262. ***Coptobasis arctalis*** (Guenee)

1854. *Sylepta arctalis* Guenee, *Delt. & Pyr.* : 296.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai).

263. ***Syllepte sabinusalis*** (Walker)

1859. *Botys sabinusalis* Walker, *Cat. Lep.*, **18**: 708.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), Meghalaya, North West and East Himalayas, Tamil Nadu. *Elsewhere*: Malaysia.

264. ***Syllepte textalis*** (Lederer)

1863. *Coplobasis textalis* Lederer, *Wien. Ent. Mon.*, **1863**: 482.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai, Pune), Punjab, Sikkim. *Elsewhere*: Borneo.

265. ***Talanga sexpunctalis*** (Moore)

1877. *Oligostigma sexpunctalis* Moore, *Proc. Zool. Soc. London,* **1877**: 616.

Source: Hampson (1896).

Distribution: India: Andaman and Nicobar Islands, Himachal Pradesh, Maharashtra (Mumbai), Sikkim, Tamil Nadu. *Elsewhere*: Hong Kong, New Guinea, Queensland, Thailand.

266. ***Tegostoma comparalis*** (Huebner)

1796. *Pyralis comparalis* Huebner, *Samml. Eur. Schmett.*, **6**: 10.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune), North West Himalays, Tamil Nadu. *Elsewhere*: Europe.

267. ***Thliptoceras cascalis*** Swinhoe

1890. *Thliptoceras cascalis* Swinhoe, *Trans. Ent. Soc. London,* **1890**(2): 271.

Source: Hampson (1896).

Distribution: India: Maharashtra (Mumbai), Sikkim, Tamil Nadu. *Elsewhere*: Japan, Myanmar, Sri Lanka.

268. ***Ulopeza idyalis*** (Walker)

1854. *Botys idyalis* Walker, *Cat. Lep.*, **19**: 996.

Source: Hampson (1896), Kirti & Sodhi (2001.

Distribution: India: Arunachal Pradesh, Maharashtra (Mumbai), Meghalaya, Nagaland, Sikkim. *Elsewhere*: Borneo, Sri Lanka, Sulawesi Island.

269. ***Pionea ablactalis*** (Walker)

1859. *Botys ablactalis* Walker, *Cat. Lep.*, **18**: 660.

Source: Hampson (1896).

Distribution: India: Maharashtra (Pune), Sikkim, Tamil Nadu. *Elsewhere*: Indonesia, Malaysia, Myanmar, Sri Lanka.

Superfamily DREPANOIDEA Boisduval, 1828

XXXIII. Family DREPANIDAE Boisduval, 1828

270. ***Phalacra metagonaria*** Walker

1866. *Phalacra metagonaria* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **35**: 1639.

Source: Hampson (1892).

Distribution: India: Maharashtra (Mumbai).

Superfamily LASIOCAMPOIDEA Harris, 1841

XXXIV. Family LASIOCAMPIDAE Harris, 1841

271. ***Similodora fia*** (Swinhoe)

1899. *Lenodora fia* Swinhoe, *Ann. Mag. Nat. Hist.,* (7) **3**(13): 113.

Source: Moore (1884).

Distribution: India: Maharashtra (Mumbai).

272. ***Lenodora signata*** Moore

1884. *Lenodora signata* Moore, *Trans. Ent. Soc. London*, **3**: 374.

Source: Hampson (1892).

Distribution: India: Maharashtra (Mumbai).

273. ***Estigena pardale*** (Walker)

1854. *Megasoma pardale* Walker, *List. Spec. Lep. Ins. Brit. Mus. Bd.*, **6**: 1453.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule, Nandurbar). *Elsewhere*: Arabia, Indonesia, Myanmar, Sri Lanka.

274. ***Metanastria hyrtaca*** (Cramer)

1779. *Phalaena hyrtaca* Cramer, *Uitl. Kap.,* **3**(17-21): 97.

Source: Hampson (1892), Majumdar & Kumar (2010).

Distribution: India: Assam, Jharkhand, Maharashtra (Mumbai), Meghalaya, Odisha, Punjab, Sikkim, Tamil Nadu, Uttarakhand, Uttar Pradesh, West Bengal. *Elsewhere*: China, Sri Lanka, Sunda Island.

275. ***Metanastria aconyta*** (Cramer)

1777. *Phalaena aconyta* Cramer, *Pap. Exot. Bd.*, **2**: 51.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Raigarh). *Elsewhere*: Bangladesh.

276. ***Kunugia ampla*** (Walker)

1855. *Odenestis ampla* Walker, *List. Lep. Het. Brit. Mus. Bd.,* **6**: 1412.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Bangladesh.

277. ***Euthrix decisa*** (Walker)

1855. *Lasiocampa decisa* Walker, *List. Spec. Lep. Ins. Brit. Mus. Bd.*, **6**: 1441.

Source: Moore (1879).

Distribution: India: Maharashtra (Mumbai).

278. ***Streblote dorsalis*** (Walker)

1866. *Megasoma dorsalis* Walker, *List. Lep. Het. Brit. Mus. Bd.*, **35**: 1947.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Borneo.

279. ***Arguda flavovittata*** Moore

1879. *Radhika flavovittata* Moore, *Desc. Lep. Ins. Coll. Atk.* Ed. I: 79.

Source: Shubhalaxmi *et al.* (2011), Matsumura (1932).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai), Uttarakhand. *Elsewhere*: Bhutan, Japan, Malaysia.

280. ***Lebeda nobilis*** Walker

1855. *Lebeda nobilis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **6**: 1456.

Source: Gupta & Maulik (2006), Shubhalaxmi *et al.* (2011), Majumdar & Kumar (2010).

Distribution: India: Himachal Pradesh, Maharashtra (Pune, Satara, Pune), Meghalaya, Nagaland, Sikkim, Uttarakhand and throughout North West and Eastern Himalayas. *Elsewhere*: Bangladesh, Nepal.

281. ****Trabala vishnou*** (Lefebvre)

1827. *Gastropacha vishnou* Lefebvre, *Zool. Jour. Bd.* **3**: 207.

2013. *Trabala vishnou*: Gurule and Nikam, *Jour. Thr. Taxa,* **5** (12): 4696.

Material examined: 1 ex., Nashik (19°58.6′N, 73°41.6′E), 15.x.2014, Coll. K. Chandra & Party (Reg. no. 4562/H10).

Distribution: India: Andaman and Nicobar Islands, Bihar, Andhra Pradesh, Assam, Himachal Pradesh, Jammu & Kashmir, Karnataka, Maharashtra (Mumbai, Pune and Nashik), Manipur, Meghalaya, Nagaland, Sikkim, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, China, Myanmar, Sri Lanka.

Superfamily BOMBYCOIDEA Latreille, 1802

XXXV. Family EUPTEROTIDAE Swinhoe, 1892

282. ***Apona plumosa*** Moore

1872. *Apona plumosa* Moore, *Proc. Zool. Soc. London*: 579.

1892. *Apona plumosa*: Hampson, *Fauna Brit. India, Moth,* **I**: 53.

Material examined: 1 ex., Kolhapur, 7.i.2006, Coll. R. Babu (Reg. no. 4400/H10), 1 ex., Sindhudurg (16°22.5′N, 73°47.9′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4401/H10).

Distribution: India: Maharashtra.

Remarks: Hampson (1892) reported this species from Nilgiri Plateau.

283. ****Eupterote diffusa*** Walker

1865. *Eupterote diffusa* Walker, *List Lep. Het. Brit. Mus.,* **32**: 374.

1892. *Eupterote diffusa*: Hampson, *Fauna Brit. India, Moth,* **I**: 59.

Material examined: 3 exs., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4391/H10, 4392/H10, 4440/H10).

Distribution: India: South India including Maharashtra. *Elsewhere*: Sri Lanka.

284. **Eupterote mollifera discrepans* Moore

1884. *Eupterote mollifera discrepans* Moore. *Trans. Ent. Soc. London*: 360.

2013. *Eupterote mollifera discrepans*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4696.

Material examined: 4 exs., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4395/H10, 4396/H10, 4399/H10, 4424/H10), 1 ex., Pune (18°27.6′N, 74°16.8′E), 29.viii.2013, 2 exs., Sindhudurg (16°22.5′N, 73°47.9′E), 31.viii. 2013, Coll. B. Mitra & Party (Reg. no. 4422/H10, 4423/H10 & 4425/H10).

Distribution: India: Karnataka, Maharashtra (Mumbai, Nashik and Nandurbar). *Elsewhere*: Myanmar, Sri Lanka.

285. **Eupterote fabia* Cramer

1780. *Eupterote fabia* Cramer, *Pap. Exot*., **3**: 250.

2013. *Eupterote fabia*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4696.

Material examined: 3 exs., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4393/H10, 4394/H10 & 4433/H10), 2 exs., Pune (18°27.6′N, 74°16.8′E), 29.viii.2013, Coll. B. Mitra & Party (Reg. no. 4428/H10 & 4432/H10), 11 exs., Sindhudurg (16°03.6′N, 73°27.7′E), 31.viii.2013, Coll. B. Mitra & Party (Reg. no. 4425/H10-4427/H10, 4429/H10-4431/H10, 4434/H10-4435/H10, 4437/H10-4439/H10), 1 ex., Satara (17°56.7′N, 73°52.5′E), 27.viii.2013, Coll. K. Chandra & Party (Reg. no. 4436/H10).

Distribution: India: Andhra Pradesh, Assam, Karnataka, Kerala (Malabar), Maharashtra (Nashik, Jalgaon and Nandurbar), Sikkim, Tamil Nadu, Throughout Northern and Southern India, Tripura, West Bengal. *Elsewhere*: Nepal, Sri Lanka.

286. ***Eupterote flavicollis* Guerin-Meneville

1843. *Eupterote flavicollis* Guerin, *Deless. Souv. India,* **2**: 95.

1892. *Eupterote flavicollis*: Hampson, *Fauna Brit. India, Moth,* **I**: 59.

Material examined: 1 ex., Kolhapur 916°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4398/H10).

Distribution: India : Maharashtra.

Remarks: Hampson (1862) reported this species from Nilgiri Plateau.

287. **Eupterote translata* Swinhoe

1885. *Eupterote translata* Swinhoe, *Proc. Zool. Soc. London*: 304.

1892. *Eupterote translata*: Hampson, *Fauna Brit. India, Moth,* **I**: 61.

Material examined: 1 ex., Pune (19°20.5′N, 73°47.4′E), 26.viii.2013, Coll. K. Chandra & Party (Reg. no. 4397/H10).

Distribution: India: Maharashtra (Pune and Satara).

Remarks: Hampson (1862) reported this species from Nilgiris.

288. **Eupterote undata* Blanchard

1844. *Eupterote undata* Blanchard, *Jacquem. Voy. Ind. Ins.*: 23.

1892. *Eupterote undata*: Hampson, *Fauna Brit. India, Moth,* **I**: 54.

Material examined: 1 ex., Pune (18°27.6′N, 74°16.8′E), 29.viii.2013, Coll. B. Mitra & Party (Reg. no.4531/H10).

Distribution: India: Assam, Andhra Pradesh, Karnataka, Madhya Pradesh, Maharashtra (Khandala, Mumbai and Pune), Northern India, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Bhutan, Indonesia, Myanmar, Pakistan, Philippines, Sri Lanka.

289. *Eupterote citrina* Walker

1855. *Eupterote citrina* Walker, *List. Lep. Het. Brit. Mus.*, **4**: 905.

Source: Hampson (1892).

Distribution: India: Maharashtra (Mumbai).

290. *Eupterote mollifera* Walker

1865. *Eupterote mollifera* Walker, *List. Lep. Het. Brit. Mus.,* **32**: 376.

Source: Moore (1884).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Myanmar, Sri Lanka.

291. ***Eupterote lineosa*** (Walker)

1855. *Lasiocampa lineosa* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **6**: 1440.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Sindhudurg, Raigarh, Nashik, Dhule, Nandurbar). *Elsewhere*: Bangladesh, Bhutan.

292. ***Eupterote murina*** (Moore)

1877. *Tagora murina* Moore, *Ann. Mag. Nat. Hist.*, **20**(4): 247.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune, Raigarh). *Elsewhere*: Sri Lanka.

293. **Nisaga simplex*** Walker

1855. *Nisaga simplex* Walker, *List Lep. Het. Brit. Mus.,* **4**: 885.

1892. *Nisaga simplex*: Hampson, *Fauna Brit. India, Moth,* **I**: 63.

Material examined: 1 ex., Pune (18°31.2′N, 73°52.2′E), 29.viii.2013, Coll. K. Chandra & Party (Reg. no. 4390/H10), 3 exs, Sindhudurg (16°22.5′N, 73°47.5′E), 31.viii. 2013, Coll. B. Mitra & Party (Reg. no. 4441/H10-4443/H10), 1 ex., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4389/H10).

Distribution: India: Assam, Maharashtra (Mumbai), Meghalaya, South India. *Elsewhere*: Bangladesh.

294. ***Sangatissa subcurvifera*** Walker

1865. *Sangatissa subcurvifera* Walker, *Cat. Lep. Het. Brit. Mus.*, **32**: 375.

Source: Moore (1884).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

295. ****Ganisa postica*** Walker

1855. *Ganisa postica* Walker, *Cat. Lep. Het. Brit. Mus.,* **5**: 1190.

1892. *Eupterote undata*: Hampson, *Fauna Brit. India, Moth,* **I**: 49.

Material examined: 1 ex., Sindhudurg (16°22.5′N, 73°47.5′E), 31.viii.2013, 1 ex., Pune (19°07.8′N, 73°33.2′E), 29.viii.2013, Coll. B. Mitra & Party (Reg. no. 4484/H10- 4485/H10)

Distribution: India: Himachal Pradesh, Karnataka, Maharashtra, Nagaland, Sikkim. *Elsewhere*: Myanmar, Sri Lanka, Taiwan.

296. ***Ganisa similis*** Moore

1884. *Ganisa similis* Moore, *Trans. Ent. Soc. London* : 356.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Sindhudurg). *Elsewhere*: Bangladesh, China, Malaysia, Sri Lanka.

XXXVI. Family BOMBYCIDAE Latreille, 1802

297. ***Trilocha varians*** (Walker)

1855. *Naprepa varians* Walker, *Cat. Lep. Het. Brit. Mus.*, **5**: 1153.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Nashik, Dhule, Nandurbar). *Elsewhere*: China, Indonesia, Philippines, Sri Lanka, Taiwan.

298. ***Trilocha friedeli*** Dierl

1978. *Trilocha friedeli* Dierl, *Spixiana*, **1**(3): 243.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Thailand.

299. ***Bombyx mori*** (Linnaeus)

1758. *Phalaena (Bombyx) mori* Linnaeus, *Syst. Nat.* (Edn 10) **1**: 499.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: China.

300. ***Gunda javanica*** Moore

1872. *Norasuma javanica* Moore, *Proc. Zool. Soc. London*, **1872**: 375.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule). *Elsewhere*: Myanmar, Palawan, Sulawesi.

XXXVII. Family SATURNIIDAE Boisduval, 1837

301. ***Antheraea mylitta*** (Drury)

1773. *Phalaena mylitta* Drury, *Ill. Nat. Hist. Exot. Ins.,* **2**: 8.

Source: Gurule & Nikam (2013).

Distribution: India: Chhattisgarh, Jharkhand, Maharashtra (Nashik, Dhule), Odisha.

302. ****Antheraea paphia*** (Linnaeus)

1758. *Bombyx paphia* Linnaeus, *Syst. Nat. (Ed. X),* **4**(1): 496.

2011. *Antheraea paphia*: Shubhalaxmi *et. al.*, *Jour. Bom. Nat. Hist. Soc.,* **108**(3): 193.

Material examined: 1 ex., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4533/H10).

Distribution: India: Andhra Pradesh, Assam, Bihar, Gujarat, Himachal Pradesh, Karnataka, Kashmir, Madhya Pradesh, Maharashtra (Mumbai, Pune and Satara), Meghalaya, Odisha, Pondicherry, Punjab, Sikkim, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, China, Myanmar, Nepal, Pakistan, Sri Lanka.

303. ****Actias selene*** (Huebner)

1806. *Actias selene* Huebner, *Samml. Exot. Schmett.,* **1**: 3.

2013. *Actias selene*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4696.

Material examined: 1 ex. Nashik (19°58.2′N, 73°40.9′E), 15.x.2014, Coll. K. Chandra & Party (Reg. no. 4543/H10).

Distribution: India: Assam, Bihar, Gujarat, Himachal Pradesh, Karnataka, Kashmir, Madhya Pradesh, Maharashtra (Nashik), Manipur, Meghalaya, Odisha, Sikkim, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: China, Myanmar, Sri Lanka.

304. ***Attacus taprobanis*** Moore

1882-83. *Attacus taprobanis* Moore, *Lep. Cey.,* **2**: 124.

Source: Hampson (1892), Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Throughout South India including Maharashtra (Mumbai, Pune, Satara, Nashik). *Elsewhere*: Sri Lanka.

305. ***Loepa schintlmeisteri*** Brechlin

2000. *Loepa schintlmeisteri* Berchlin, *Nach. Des Ent. Ver. N.F.,* **21**(3): 165-170.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Tamil Nadu. *Elsewhere*: Indonesia, Iraq, Malaysia, Myanmar, Pakistan, Thailand.

XXXVIII. Family SPHINGIDAE Latreille, 1802

306. ****Hippotion rosetta*** (Swinhoe)

1892. *Choerocampa rosetta* Swinhoe, *Cat. Lep. Het. Mus. Oxf.*, **1**: 16.

2013. *Hippotion rosetta*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 4 exs, Pune (19°20.5′N, 73°47.4′E), 28.viii.2013, Coll. B. Mitra & Party (Reg. no. 4506/H10-4509/H10).

Distribution: India: Andhra Pradesh, Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Bihar, Goa, Gujarat, Haryana, Himachal Pradesh, Karnataka, Lakshadweep Island, Maharashtra (Mumbai, Pune, Nagpur and Nashik), Odisha, Sikkim, Tamil Nadu, Uttar Pradseh, Uttarakhand. *Elsewhere*: Bhutan, China, Hawaii, Indonesia, Japan, Malaysia, Maldives, Nepal, New Guinea, Pakistan, Philippines, Solomon Islands, Sri Lanka, Taiwan, Thailand.

307. ****Hippotion celerio*** (Linnaeus)

1758. *Sphinx celerio* Linnaeus, *Syst. Nat. Ed.* **X**.: 491.

2013. *Hippotion celerio*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 1 ex., Pune (18°27.6′N, 74°16.8′E), 28.viii.2013, Coll. B. Mitra & Party (Reg. no. 4505/H10).

Distribution: India: Madhya Pradesh, Maharashtra (Mumbai, Pune, Nagpur, Nashik, Jalgaon and Nandurbar), Western and Eastern Himalayas, South India, Rajasthan, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: Africa, Arabia, Australia, Bhutan, Borneo, Europe, Fiji, Indonesia, Nepal, Pakistan, Sri Lanka, Timor.

308. ***Hippotion rafflesii*** (Butler)

1877. *Choerocampa rafflesii* Butler, *Trans. Zool. Soc. London,* **9**(19): 556.

Source: Cotes & swinhoe (1886), Shubhalaxmi *et al.* (2011).

Distribution: India: Eastern Himalayas, Maharashtra (Mumbai), Southern India. *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Sri Lanka, Taiwan.

309. ***Hippotion boerhaviae*** (Fabricius)

1775. *Sphinx boerhaviae* Fabricius, *Syst. Ent.*: 542.

Source: Mandal *et al.* (2000), Majumdar & Kumar (2010).

Distribution: India: Eastern Himalayas, Gujarat, Maharashtra (Mumbai), Odisha, Rajasthan, Sikkim, Southern India, Tripura, Uttarakhand, Western Himalayas, West Bengal. *Elsewhere*: Japan, Indo-Australian tropics to New Caledonia.

310. ***Marumba spectabilis*** (Butler)

1875. *Triptogon spectabilis* Butler, *Proc. Zool. Soc. London,* **1875**: 256.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Dhule). *Elsewhere*: China, Indonesia, Laos, Malaysia, Nepal, Thailand, Vietnam.

311. ***Marumba dyras*** (Walker)

1856. *Smerinthus dyras* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **8**: 25.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Eastern Himalayas, Maharashtra (Mumbai, Pune, Satara, Nashik, Nandurbar), Southern India, Uttarakhand, Western Himalayas. *Elsewhere*: Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Philippines, Sri Lanka, Taiwan, Thailand.

312. ***Marumba poliotis*** Hampson

1907. *Marumba poliotis* Hampson, *Nov. Zool.*, **14**: 327.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune).

313. ***Marumba indicus*** (Walker)

1856. *Smerinthus indicus* Walker, *List. Lep. Ins. Brit. Mus.*, **8**: 254.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Satara, Nashik, Dhule). *Elsewhere*: Sri Lanka.

314. ***Marumba nympha*** Rothschild & Jordan

1903. *Marumba nympha* Rothschild & Jordan, *Nov. Zool.*, **9** *Suppl. (rev. Sphing.)*: 806.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune).

315. ***Sataspes tagalica*** Boisduval

1875. *Sataspes tagalica* Boisduval, *Spec. Gen. Lep. Het.*, **1**: 378.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Throughout India including Maharashtra (Mumbai). *Elsewhere*: China, Myanmar.

316. ***Leucophlebia emittens*** Walker

1866. *Leucophlebia emittens* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **35**: 1858.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik), Southern India, Uttarakhand, Western Himalayas. *Elsewhere*: China, Pakistan.

317. ****Leucophlebia lineata*** Westwood

1848. *Leucophlebia lineata* Westwood, *Cab. Or. Ent.* : 46.

2013. *Leucophlebia lineata*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 1 ex., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4500/H10).

Distribution: India: Assam, Maharashtra (Pune, Nashik), Himachal Pradesh, Western and Eastern Himalayas, Southern Himalayas. *Elsewhere*: Bhutan, China, Indonesia, Malaysia, Nepal, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam.

318. ***Clanis phalaris*** (Cramer)

1777. *Sphinx phalaris* Cramer, *Uitl. Kap.,* **2**(9-16): 83.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Pune). *Elsewhere*: Myanmar, Sri Lanka.

319. ***Polyptychus dentatus*** (Cramer)

1777. *Sphinx dentatus* Cramer, *Uitl. Kap.,* **2**(9-16): 42.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Nashik, Nandurbar), Uttarakhand, Uttar Pradesh, Southern India. *Elsewhere*: Bhutan, Pakistan, Sri Lanka.

320. ***Amplypterus panopus*** (Cramer)

1779. *Sphinx panopus* Cramer, *Uitl. Kap.,* **3**(17-21): 50.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Sindhudurg). *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Philippines, Sri Lanka.

321. ***Ambulyx substrigilis*** (Westwood)

1847. *Sphinx substrigilis* Westwood, *Cab. Orient. Ent.*: 61.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Pune), Southern India. *Elsewhere*: Indonesia, Malaysia.

322. ***Psilogramma menephron*** (Cramer)

1780. *Sphinx menephron* Cramer, *Uitl. Kap.,* **3**(23-24): 164.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nciobar Islands, Assam, Gujarat, Himachal Pradesh, Jammu and Kasmir, Maharashtra (Mumbai, Pune), Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Uttarakhand. *Elsewhere*: Australia, China, Indonesia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Vietnam.

323. ***Psilogramma increta*** (Walker)

1865. *Anceryx increta* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **31**: 36.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Nashik, Dhule). *Elsewhere*: China, Japan, Korea, Malaysia, Myanmar, Nepal, Sri Lanka, Taiwan, Thailand, Vietnam.

324. ***Agnosia orneus*** (Westwood)

1856. *Smerinthus pudorinus* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **8**: 253.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Satara), Southern India, Uttarakhand, Western Himalaya. *Elsewhere*: Sri Lanka.

325. ***Agnosia microta*** (Hampson)

1907. *Marumba microta* Hampson, *Nov. Zool.*, **14**: 327.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Satara, Nashik). *Elsewhere*: Sri Lanka.

326. ***Dolbina inexacta*** (Walker)

1856. *Macrosila inexacta* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **8**: 208.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andhra Pradesh, Karnataka, Maharashtra (Mumbai, Pune), Tamil Nadu and Eastern and Western Himalayas. *Elsewhere*: Bhutan, China, Malaysia, Thailand, Vietnam.

327. ***Meganoton rubescens*** (Butler)

1875. *Diludia rufescens* Butler, *Proc. Zool. Soc. London*, **1875**: 260.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Pune, Raigarh), Sikkim. *Elsewhere*: Australia, Indonesia, Malaysia, Philippines, Thailand.

328. ***Cephonodes hylas*** (Linnaeus)

1771. *Sphinx hylas* Linnaeus, *Mantissa Plant.,* **2**: 539

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Jalgaon, Nandurbar). *Elsewhere*: China.

329. ***Neogurelca hyas*** (Walker)

1856. *Lophura hyas* Walker, *List. Lep. Ins. Brit. Mus.*, **8**: 107.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: Bangladesh, Bhutan, Indonesia, Japan, Malaysia, Myanmar, Nepal, Philippines, Thailand, Vietnam.

330. ***Nephele hespera*** (Fabricius)

1775. *Sphinx hespera* Fabricius, *Syst. Ent.*: 546.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Satara, Raigarh, Nashik, Jalgaon, Nandurbar). *Elsewhere*: Bhutan, China, Indonesia, Malaysia, Nepal, Pakistan, Sri Lanka, Thailand, Vietnam.

331. ***Daphnis nerii*** (Linnaeus)

1758. *Sphinx nerii* Linnaeus, *Syst. Nat. (Edn X)*, **1**: 490.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Nashik, Dhule, Jalgaon). *Elsewhere*: Afghanistan, Africa, Bhutan, China, Europe, Japan, Malaysia, Mauritius, Myanmar, Pakistan, Saudi Arabia, Sri Lanka, Taiwan, Thailand, Yemen.

332. ***Acosmeryx shervillii*** Boisduval

1875. *Acosmeryx shervillii* Boisduval, *Hist. Nat. Ins., Spec. Gen. Lep. Het.,* **1**: 217.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Satara). *Elsewhere*: Bhutan, China, Indonesia, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam.

333. ***Acosmeryx pseudonaga*** Butler

1881. *Acosmeryx pseudonaga* Butler, *Ill. Typ. Spec. Lep. Het. Brit. Mus.*, **5**: 2.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Malaysia, Philippines.

334. ***Macroglossum gyrans*** (Walker)

1856. *Macroglossa gyrans* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **8**: 91.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: Bhutan, Myanmar, Pakistan, Sri Lanka, Thailand.

335. ***Macroglossum particolor*** (Rothschild & Jordan)

1903. *Macroglossa particolor* Rothschild & Jordan, *Nov. Zool. Suppl. (Rev. Sphing.)*: 636.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Maldives, Sri Lanka.

336. ***Macroglossum belis*** (Linnaeus)

1776. *Sphinx belis* Linnaeus, *Syst. Nat. (Ed. X)*: 493.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Nashik). *Elsewhere*: Bhutan, China, Indonesia, Japan, Nepal, Sri Lanka, Taiwan, Thailand, Vietnam.

337. ***Macroglossum corythus*** (Walker)

1856. *Macroglossa corythus* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **8**: 92.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Eastern Himalayas, Maharashtra (Pune), Southern India. *Elsewhere*: China.

338. ***Macroglossum sitiene*** (Walker)

1856. *Macroglossa sitiene* Walker, *List. Lep. Ins. Brit. Mus.,* **8**: 92.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Bangladesh, China, Indonesia, Japan, Myanmar, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam.

339. ***Pergesa acteus*** (Cramer)

1779. *Sphinx acteus* Cramer, *Uitl. Kap.,* **3**(17-21): 93.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: China, Indonesia, Japan, Malaysia, Myanmar, Nepal, Philippines, Singapore, Sri Lanka, Taiwan, Thailand.

340. ***Hyles livornica*** (Esper)

1780. *Sphinx livornica* Esper, *Die. Schmett. Th.,* **II**(13): 88.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Nashik, Dhule), Southern and Western Himalaya. *Elsewhere*: Africa, China, Europe, Pakistan.

341. ****Agrius convolvuli*** (Linnaeus)

1758. *Sphinx convolvuli* Linnaeus, *Syst. Nat. (Ed. X)*: 490.

2013. *Agrius convolvuli*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 2 exs., Pune (19°07.8′N, 73°33.2′E), 28.viii.2013, Coll. B. Mitra & Party (Reg. no. 4503/H10-4504/H10).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Gujarat, Himachal Pradesh, Jammu & Kashmir, Maharashtra (Mumbai, Pune, Satara, Raigarh, Nagpur, Nashik, Dhule and Jalgaon), Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, South India, Uttarakhand, Western and Eastern Himalayas. *Elsewhere*: Africa, Australia, China, Europe, Indonesia, Japan, Malaysia, Myanmar, Nepal, Pakistan, Siberia, Sri Lanka, Thailand.

342. ****Acherontia styx*** (Westwood)

1844. *Acherontia styx* Westwood, *Cab. Or. Ent.*: 88.

2013. *Acherontia styx*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 1 ex., Pune (18°27.6′N, 74°16.8′E), 28.viii.2013, Coll. B. Mitra & Party (Reg. no. 4510/H10).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Pune, Satara, Nashik, Dhule, Jalgaon and Nandurbar), South India, Uttarakhand, Western and Eastern Himalayas. *Elsewhere*: Arabia, Bangladesh, Bhutan, China, Iraq, Iran, Japan, Malaysia, Nepal, Pakistan, Sri Lanka, Thailand, Vietnam.

343. ***Acherontia lachesis*** (Fabricius)

1798. *Sphinx lachesis* Fabricius, *Ent. Syst. (Suppl.)*: 434.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Pune, Satara, Raigarh, Nashik, Dhule, Jalgaon, Nandurbar), Odisha. *Elsewhere*: Bangladesh, China, Indonesia, Iraq, Iran, Myanmar, Nepal, Pakistan, Saudi Arabia, Sri Lanka.

344. ****Theretra castanea*** (Moore)

1872. *Pergesa castanea* Moore, *Proc. Zool. Soc. London* : 566.

2013. *Theretra castanea*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 2 exs., Pune (18°31.2′N, 73°52.2′E), 28.viii.2013, Coll. B. Mitra & Party (Reg. no. 4501/H10-4502/H10).

Distribution: India: Karnataka, Kerala, Maharashtra (Mumbai, Pune and Nashik), Tamil Nadu.

Remarks: This species is endemic to India (Subhalaxmi, 2011).

345. ***Theretra nessus*** (Drury)

1773. *Sphinx nessus* Drury, *Ill. Nat. Hist. Exot. Ins.,* **2**: 46.

Source: Mandal *et al.* (2000), Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Eastern Himalaya, Western Himalaya, Southern India incuding Maharashtra (Mumbai, Pune, Satara, Nashik, Dhule, Jalgaon, Nandurbar), Meghalaya. *Elsewhere*: Bhutan, China, Myanmar, Nepal, Sri Lanka, Thailand.

346. ***Theretra boisduvalii*** (Bugnion)

1839. *Sphinx boisduvalii* Bugnion, *Ann. Soc. Ent. Fr.,* **8**: 115.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: China, Indonesia, Iran, Malaysia, Sri Lanka, Taiwan, Thailand, Turkey, Vietnam.

347. ***Theretra gnoma*** (Fabricius)

1775. *Sphinx gnoma* Fabricius, *Syst. Ent.*: 546.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Southern India, Maharashtra (Mumbai, Pune, Satara, Dhule). *Elsewhere*: Sri Lanka.

348. ***Theretra clotho*** (Drury)

1773. *Sphinx clotho* Drury, *Ill. Nat. Hist. Exot. Ins.,* **2**: 48.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Pune, Satara, Raigarh, Sindhudurg, Nashik, Jalgaon, Nandurbar), Odisha. *Elsewhere*: China, Indonesia, Myanmar, Nepal, Sri Lanka.

349. ***Theretra alecto*** (Linnaeus)

1758. *Sphinx alecto* Linnaeus, *Syst. Nat. (Ed. X)*, **1**: 492.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Afghanistan, Bulgaria, Egypt, Greece, Iran, Iraq, Israel, Kyrgyzstan, Lebanon, Pakistan, Turkey, Turkmenistan, Uzbekistan.

350. ***Theretra lycetus*** (Cramer)

1775. *Sphinx lycetus* Cramer, *Pap. Exot.*, **1**: 96.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Satara). *Elsewhere*: Bhutan, Indonesia, Myanmar, Sri Lanka.

351. ***Theretra oldenlandiae*** (Fabricius)

1775. *Sphinx oldenlandiae* Fabricius, *Syst. Ent.*: 542.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Pune, Satara, Nashik, Jalgaon). *Elsewhere*: Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Philippines, Sri Lanka.

352. ***Theretra silhetensis*** (Walker)

1856. *Chaerocampa [sic] silhetensis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **8**: 143.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Eastern Himalayas, Maharashtra (Pune), Southern India. *Elsewhere*: Australia, Bangladesh, China, Indonesia, Japan, Malaysia, Nepal, Sri Lanka, Taiwan,Thailand, Vietnam.

Superfamily GEOMETROIDEA Leach, 1815

XXXIX. Family URANIIDAE Leach, 1815

353. ***Europlema instabilata*** (Walker)

1866. *Erosia instabilata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **35**: 1646.

Source: Hampson (1895).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai). *Elsewhere*: China, Flores, Mysol, Queensland, Sri Lanka.

354. ***Gathynia miraria*** (Walker)

1863. *Gathynia miraria* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **26**: 1639.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai), Sikkim, Tamil Nadu. *Elsewhere*: Sri Lanka.

355. ***Orudiza protheclaria*** Walker

1861. *Orudiza protheclaria* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **23**: 858.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Karnataka, Kerala Maharashtra (Pune, Mumbai, Pune), Meghalaya, Sikkim. *Elsewhere*: Bangladesh, Cambodia, Indonesia, Myanmar, Thailand.

356. ***Micronia aculeata*** Guenee

1857. *Micronia aculeata* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **10**: 26.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, throughout India including Maharashtra (Mumbai, Pune). *Elsewhere*: China, Myanmar, Sri Lanka, Taiwan.

357. ***Phazaca leucocera*** (Hampson)

1891. *Dirades leucocera* Hampson, *Ill. Typ. Spec. Lep. Het. Coll. Brit. Mus.,* **8**: 102.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Satara), Tamil Nadu. *Elsewhere*: Indonesia, Malaysia, New Guinea. Sri Lanka.

358. ***Phazaca theclata*** (Guenee)

1857. *Erosia theclata* Guenee, in Boisduval & Guenee, *Hist. Nat. Ins. (Spec. gen. Lep.)*, **9**: 36.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Throughout India including Maharashtra (Mumbai, Nashik). *Elsewhere*: Sierra Leone.

359. ***Decetia numicusaria*** (Walker)

1860. *Gynopteryx numicusaria* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **20**: 95.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Bangladesh.

360. ***Decetia subobscurata*** (Walker)

1862. *Gynopteryx subobscurata* Walker, *List. Lep. Het. Brit. Mus.*, **26**: 1495.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Kerala, Maharashtra, Tamil Nadu. *Elsewhere*: Sri Lanka.

XL. Family GEOMETRIDAE Leach, 1815

361. ****Abraxas sylvata*** (Scopoli)

1763. *Abraxas sylvata* Scopoli, *Ent. Carn.*: 220.

1895. *Abraxas sylvata*: Hampson, *Fauna Brit. India, Moths,* **III**: 299.

Material examined: 1 ex., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4461/H10).

Distribution: India: Assam, Himachal Pradesh, Maharashtra (Kolhapur), Mizoram, Northwest Himalayas, Sikkim, Tamil Nadu. *Elsewhere*: Europe to Japan.

362. ****Hypomecis transcissa*** (Walker)

1860. *Boarmia transcissa* Walker, *Wlk. Cat.,* **21**: 380.

1895. *Boarmia transcissa*: Hampson, *Fauna Brit. India,* **III**: 271.

Material examined: 1 ex., Pune (19°07.8′N, 73°33.2′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4528/H10).

Distribution: India: Assam, Himachal Pradesh, Maharashtra, Mizoram, Sikkim, Tamil Nadu, Uttarakhand. *Elsewhere*: Bangladesh, Borneo, Indonesia, Malaysia, Thailand.

363. ****Egnasia accingalis*** (Walker)

1858. *Egnasia accingalis* Walker, *Wlk. Cat.,* **XVI**: 218

2013. *Egnasia accingalis*: Gurule and Nikam, *Jour. Thr. Taxa* **5** (12): 4698.

Material examined: 1 ex., Raigarh (18°44.4′N, 73°16.4′E), 20.x.2014, Coll. K. Chandra & Party (Reg. no. 4537/H10).

Distribution: India: Throughout Western and Southern India including Maharashtra (Nashik, Nandurbar). *Elsewhere*: Sri Lanka.

364. ****Hyperythra lutea*** Stoll

1781. *Hyperythra lutea* Stoll, *(In Cramer) Pap. Exot.,* **IV**: 157.

2013. *Hyperythra lutea*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 2 exs, Raigarh (18°38.4′N, 72°52.3′E), 20.x.2014, Coll. K. Chandra & Party (Reg. no. 4538/H10).

Distribution: India: Throughout India including Andaman and Nicobar Islands, Andhra Pradesh and Maharashtra (Nashik, Dhule and Nandurbar). *Elsewhere*: Australia, China, Indonesia, Malaysia, New Guinea, Sri Lanka, Thailand.

365. ****Biston supressaria*** (Guenee)

1858. *Amphidanys suppressaria* Guenee, *Spec. Guen.,* **IX**: 210.

2013. *Biston supressaria*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 1 ex., Raigarh (19°00.1′N, 73°16.9′E), 20.x.2014, Coll. K. Chandra & Party (Reg. no. 4540/H10).

Distribution: India: Assam, Karnataka, Maharashtra (Nashik), Sikkim, West Bengal. *Elsewhere*: China, Japan, Myanmar, Nepal, Sri Lanka.

366. ***Amraica recursaria*** (Walker)

1860. *Boarmia recursaria* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **21**: 374.

Source: Hampson (1895), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik), Meghalaya, Sikkim.

367. ***Istrugia disputaria*** (Guenee)

1858. *Eubolia disputaria* Guenee, *Spec. Gen.*, **10**: 489.

Source: Hampson (1895), Gurule & Nikam (2013).

Distribution: India: Throughout plains of India, Maharashtra (Nashik). *Elsewhere*: Egypt, South Africa.

368. ***Zeheba aureata*** Moore

1887. *Zeheba aureata* Moore, *Lep. Ceylon,* **3**(4): 469.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Jalgaon, Nandurbar), West Bengal.

369. ***Zamarada excisa*** Hampson

1891. *Zamarada excisa* Hampson, *Ill. Het. Brit. Mus.*, **8**: 110.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Nandurbar), Tamil Nadu. *Elsewhere*: Malaysia, Nepal, Thailand.

370. ***Pasiphila rectangulata*** (Linnaeus)

1758. *Phalaena rectangulata* Linnaeus, *Syst. Nat. (Ed. X)* **1**: 528.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Europe.

371. ***Idaea bilinea*** (Swinhoe)

1885. *Eupithecia bilinea* Swinhoe, *Proc. Zool. Soc. London,* **4**: 863.

Source: Hampson (1895).

Distribution: India: Maharashtra (Pune).

372. ***Idaea chotaria*** Swinhoe

1886. *Idaea chotaria* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 858.

Source: Hampson (1895).

Distribution: India: Maharashtra (Pune, Mumbai), Uttar Pradesh, Tamil Nadu. *Elsewhere*: Hainan, Hong Kong, Indonesia, Malaysia, Philippines, Timor.

373. ***Idaea testacea*** (Swinhoe)

1885. *Eupithecia testacea* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 863.

Source: Hampson (1895).

Distribution: India: Maharashtra (Pune).

374. ***Ptochophyle volutaria*** (Swinhoe)

1886. *Hyria volutaria* Swinhoe, *Proc. Zool. Soc. London*, **1886**: 858.

Source: Swinhoe (1886), Hampson (1895).

Distribution: India: Maharashtra (Mumbai).

375. ***Anisodes obrinaria*** (Guenee)

1858. *Ephyra obrinaria* Guenee, *Spec. Gen. Lep.*, **9**: 414.

Source: Hampson (1895).

Distribution: India: Andaman and Nicoabr Islands, Maharashtra (Mumbai), Meghalaya, Tamil Nadu. *Elsewhere*: Sri Lanka.

376. ***Anisodes obstataria*** (Walker)

1861. *Acidalia obstataria* Walker, *List. Lep. Ins.*, **23**: 769.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai), Meghalaya, Tamil Nadu. *Elsewhere*: Borneo.

377. ***Aploclora vivilaca*** (Walker)

1861. *Jodis vivilaca* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **22**: 544.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Khandala, Pune). *Elsewhere*: Sri Lanka.

378. ***Dysphania percota*** (Swinhoe)

1891. *Euschema percota* Swinhoe, *Trans. Ent. Soc. London,* **24**: 142.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Throughout Western Ghats including Maharashtra (Mumbai, Raigarh, Pune).

379. ***Dysphania militaris*** (Linnaeus)

1758. *Phalaena militaris* Linnaeus, *Syst. Nat. (Ed. X)*: 505.

Source: Ghosh (2006 & 2007).

Distribution: India: Andaman and Nicobar Islands, Assam, Maharashtra, Meghalaya, Mizoram, Nagaland, West Bengal. *Elsewhere*: Oriental Region to Sundaland.

380. ***Pingasa ruginaria*** (Guenee)

1857. *Hypochroma ruginaria* Guenee, *Hist. Nat. Insectes, Spec. Gen. Lep.,* **9**: 278.

Source: Ghosh (2007), Gurule & Nikam (2013).

Distribution: India: Throughout North India including Maharashtra (Nashik, Dhule, Nandurbar) and Mizoram. *Elsewhere*: Throught South East Asia including Ryukyu Island.

381. ***Herochroma orientalis*** (Holloway)

1982. *Archaeobalbis orientalis* Holloway, *in Barlow & D'Abrera, Introd. Moths S.E. Asia*: 242.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara) *Elsewhere*: Indonesia, Malaysia, Sri Lanka.

382. ***Agathia angustilimes*** Prout

1926. *Agathia angustilimes* Prout, *Mem. Dept. Agric. Ind., (Entom)*, **9**: 247.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune).

383. ***Agathia eromena*** Prout

1916. *Agathia eromena* Prout, *Novit. Zool.*, **23**: 198.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Sulawesi Island.

384. ***Agathia laetata*** (Fabricius)

1794. *Agathia laetata* Fabricius, *Ent. Syst.*, **3**(2): 164.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Throughout India including Maharashtra (Sindhudurg, Nashik, Dhule, Nandurbar). *Elsewhere*: Bangladesh, Bhutan, Malaysia, Nepal, Sri Lanka, Taiwan.

385. ***Agathia lycaenaria*** (Kollar)

1844. *Geometra lycaenaria* Kollar, *In Hugel Kashmir,* **4**: 486.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Throughout India including Maharashtra (Pune). *Elsewhere*: Indo-Australian tropics.

386. ***Buzura varianaria*** Swinhoe

1889. *Buzura varianaria* Swinhoe, *Proc. Zool. Soc. London,* **1889**: 425.

Source: Hampson (1895).

Distribution: India: Karnataka, Maharashtra (Pune), Uttar Pradesh.

387. ***Cleora injectaria*** (Walker)

1860. *Boarmia injectaria* Walker, *List Specimens Lep. Ins. Coll. Brit. Mus.,* **21**: 376.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Throughout India including Maharashtra (Mumbai, Pune). *Elsewhere*: Japan.

388. ***Ruttellerona cessaria*** (Walker)

1860. *Boarmia cessaria* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **21**: 383.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Karnataka, Maharashtra (Pune), Meghalaya, Sikkim, Tamil Nadu. *Elsewhere*: Sri Lanka.

389. ***Medasina gleba*** (Swinhoe)

1885. *Boarmia gleba* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 853.

Source: Swinhoe (1886).

Distribution: India: Maharashtra (Pune), Sikkim.

390. ***Medasina objectaria*** (Walker)

1866. *Boarmia objectaria* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **35**: 1583.

Source: Hampson (1895).

Distribution: India: Maharashtra (Pune), Sikkim.

391. ***Boarmia hibernaria*** (Swinhoe)

1885. *Hybernia hibernaria* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 862.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai).

392. ***Boarmia infixaria*** Walker

1860. *Boarmia infixaria* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **21**: 379.

Source: Hampson (1895), Thakur & Kumar (2015).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai), Sikkim, West Bengal.

393. ***Chloeres quantula*** (Swinhoe)

1885. *Iodis quantula* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 855.

Source: Swinhoe (1886).

Distribution: India: Maharashtra (Mumbai).

394. ***Scopula addictaria*** (Walker)

1861. *Acidalia addictaria* Walker, *List. Lep. Ins.*, **22**: 749.

Source: Hampson (1895).

Distribution: India: Himachal Pradesh, Maharashtra (Pune), Meghalaya, Tamil Nadu. *Elsewhere*: Sri Lanka.

395. ***Scopula adeptaria*** (Walker)

1861. *Acidalia adeptaria* Walker, *List. Lep. Ins.*, **22**: 753.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai), Odisha. *Elsewhere*: Sri Lanka.

396. ***Scopula fluidaria*** (Swinhoe)

1886. *Ephyra fluidaria* Swinhoe, *Proc. Zool. Soc. London* **1885**: 856.

Source: Hampson (1895).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Pakistan.

397. ***Scopula fotalis*** Swinhoe

1886. *Scopula fotalis* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 875.

Source: Swinhoe (1886).

Distribution: India: Maharashtra (Pune), Tamil Nadu. *Elsewhere*: Pakistan.

398. ***Scopula idearia*** (Swinhoe)

1886. *Idaea idearia* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 857.

Source: Hampson (1895).

Distribution: India: Maharashtra (Pune), Uttar Pradesh. *Elsewhere*: Pakistan.

399. ***Scopula pulchellata*** (Fabricius)

1794. *Phalaena pulchellata* Fabricius, *Ent. Syst.,* **3**(2): 171.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Dhule). *Elsewhere*: Malaysia, Solomons, Taiwan.

400. ***Scopula subpunctaria*** (Herrich-Schaffer)

1847. *Acidalia subpunctaria* Herrich-Schaffer, *Syst. Bearb. Schmett. Eur.*, **3**: 24.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Austria.

401. ***Scopula emissaria*** (Walker)

1861. *Acidalia emissaria* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **22**: 751.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Himachal Pradesh, Maharashtra (Satara, Sindhudurg), Odisha, Uttar Pradesh, West Bengal. *Elsewhere*: Australia, China, Indonesia, Japan, Korea, Myanmar, Philippines, Sri Lanka, Vietnam.

402. ***Zygophyxia conscensa*** (Swinhoe)

1885. *Eupithecia conscensa* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 4

Source: Hampson (1895).

Distribution: India: Maharashtra (Pune).

403. ***Timandra convectaria*** Walker

1861. *Timandra convectaria* Walker, *List. Lep. Ins.*, **23**: 800.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara). *Elsewhere*: Bangladesh, China, Indonesia, Japan, Korea.

404. ***Traminda mundissima*** (Walker)

1861. *Acidalia mundissima* Walker, *List. Lep. Ins.*, **23**: 795.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Throughout India including Maharashtra (Mumbai, Nashik, Dhule). *Elsewhere*: Australia, Bahrain, New Calidonia, Oman, Thailand, UAE, Yemen.

405. ***Zythos obliterata*** (Warren)

1897. *Nobilia obliterata* Warren, *Novit. Zool.*, **4**: 220.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Assam, Maharashtra (Mumbai), Nagaland, Sikkim. *Elsewhere*: Borneo.

406. ***Conolophia nigripuncta*** (Hampson)

1891. *Gamoruna nigripuncta* Hampson, *Ill. Typ. Specimens Lep. Het. Coll. Brit. Mus.,* **8**: 114.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Tamil Nadu. *Elsewhere*: Indonesia, Malaysia, Myanmar.

407. ***Palaespilates ocularia*** Fabricius, 1775

Source: Hampson (1895), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai).

408. ***Pyrrhorachis pyrrhogona*** (Walker)

1866. *Eucrostis [sic] pyrrhogona* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **35**: 1610.

Source: Hampson (1895), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Nashik), Tamil Nadu.

409. ***Comostola chlorargyra*** (Walker)

1861. *Comibaena chlorargyra* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **22**: 577.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Indonesia, Malaysia, Philippines.

410. ***Cacochloris uvidula*** (Swinhoe)

1885. *Euchloris uvidula* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 860.

Source: Swinhoe (1886), Hampson (1895).

Distribution: India: Madhya Pradesh, Maharashtra (Mumbai, Pune). *Elsewhere*: Sri Lanka.

411. ***Eucrostes disparata*** (Walker)

1861. *Eucrostis disparata* Walker, *List Lep. Ins. Brit. Mus.*, **22**: 567.

Source: Hampson (1901).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: Australia, Ethiopia, Japan, Sri Lanka, Taiwan.

412. ***Microloxia herbaria indecretata*** (Walker)

1863. *Geometra indecretata* Walker, *List Lep. Ins. Brit. Mus.,* **26**: 1555.

Source: Swinhoe (1886).

Distribution: India: Maharashtra (Mumbai), Uttar Pradesh, Tamil Nadu.

413. ***Lycaugidia albatus*** (Swinhoe)

1885. *Lycauges albatus* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 4.

Source: Swinhoe (1886).

Distribution: India: Maharashtra (Pune).

414. ***Semiothisa elvirata*** (Guenee)

1858. *Macaria elvirata* Guenee, *Spec. Gen.*, **10**: 90.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai), Meghalaya, Sikkim, Tamil Nadu.

415. ***Semiothisa frugaliata*** (Guenee)

1858. *Macaria frugaliata* Guenee, *Spec. Gen.*, **10**: 78.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai, Mumbai, Pune), Tamil Nadu. *Elsewhere*: Pakistan, Sri Lanka.

416. ***Semiothisa inchoata*** (Walker)

1861. *Macaria inchoata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **23**: 931.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune), Tamil Nadu.

417. ***Semiothisa pervolgata*** (Walker)

1861. *Macaria pervolgata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **23**: 930.

Source: Hampson (1895).

Distribution: India: Maharashtra (Pune), West Bengal.

418. ***Semiothisa cymatodes*** Wehrli

1932. *Semiothisa cymatodes* Wehrli, *Intent. Lt.*, **26**: 342.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Jalgaon, Nandurbar, Nashik).

419. ***Semiothisa fidoniata*** (Guenee)

1858. *Macaria fidoniata* Guenee, *Spec. Gen.*, **10**: 78.

Source: Gurule & Nikam (2013).

Distribution: India: Himachal Pradesh, Maharashtra (Nashik, Jalgaon, Nandurbar).

420. ***Semiothisa nora*** Walker, 1861

1861. *Macaria nora* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **23**: 934.

Source: Hampson (1895), Gurule & Nikam (2013), Thakur & Kumar (2015).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Nashik, Nandurbar).

421. ***Chiasmia triangulata*** (Hampson)

1891. *Godonela triangulata* Hampson, *Ill. Het.*, **8**: 112.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai).

422. ***Chiasmia emersaria*** (Walker)

1861. *Macaria emersaria* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **23**: 925.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Throughout India including Maharashtra (Pune). *Elsewhere*: China, Japan, Nepal, Thailand.

423. ***Dasyboarmia subpilosa*** (Warren)

1894. *Hemerophila subpilosa* Warren, *Novit. Zool.,* **1**: 434.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara, Pune), Meghalaya, Tamil Nadu. *Elsewhere*: Indonesia, Malaysia, Philippines, Thailand.

424. ***Amblychia hymenaria*** (Guenee)

1857. *Elphos hymenaria* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **9**: 285.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Assam, Himalayas, Maharashtra (Mumbai, Pune). *Elsewhere*: Bangladesh, Indonesia, Malaysia, Nepal.

425. ***Chlorochaeta cassidara*** (Guenee)

1857. *Phodoresma [sic] cassidara* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **9**: 370.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune, Mumbai), Sikkim. *Elsewhere*: China, Indonesia, Malaysia, Singapore, Thailand.

426. ***Hemithea tritonaria*** (Walker)

1863. *Thalassodes tritonaria* Walker, *List Lep. Ins. Brit. Mus.,* **26**: 1560.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Meghalaya, Tamil Nadu. *Elsewhere*: China, Indonesia, Japan, Korea, Malaysia, Nepal, Philippines, Sri Lanka.

427. ***Omphacodes directa*** (Walker)

1861. *Nemoria directa* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **22**: 535.

Source: Hampson (1895).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Pune), Uttar Pradesh, Tamil Nadu. *Elsewhere*: Africa.

428. ***Symmacra solidaria*** (Guenee)

1857. *Nemoria solidaria* Guenee, *Hist. nat. Ins., Spec. Gen. Lep.,* **9**: 348.

Source: Hampson (1895).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Pune), Uttar Pradesh. *Elsewhere*: Indo-Australian tropics, east to Fiji and Samoa.

429. ***Gonodontis clelia*** (Cramer)

1780. *Phalaena clelia* Cramer, *Uitl. Kap.,* **3** (23-24): 172,174.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai), Meghalaya, Sikkim, Tamil Nadu. *Elsewhere*: Malaysia, Singapore, Sri Lanka.

430. ***Terpna luteipes*** (Felder & Rogenhofer)

1875. *Pachyodes luteipes* Felder & Rogenhofer, *Reise. Ost. Freg. Nov.,* **2**: p1. 125.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Sundaland.

431. ***Derambila infelix*** (Swinhoe)

1885. *Zanclopteryx infelix* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 858.

Source: Hampson (1895).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Sri Lanka, Indonesia, Malaysia.

432. ***Sauris eupitheciata*** Snellen

1881. *Remodes eupitheciata* Snellen, *Tyd. Voor. lint,* **24**(94), pl. 10.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai), Meghalaya, Tamil Nadu. *Elsewhere*: Australia, Fiji, Myanmar, Sri Lanka.

433. ***Heterostegane urbica*** (Swinhoe)

1885. *Asthena urbica* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 859.

Source: Hampson (1895).

Distribution: India: Karnataka, Maharashtra (Mumbai), Tamil Nadu. *Elsewhere*: Indonesia, Malaysia, Myanmar, Sri Lanka.

434. ***Heterostegane subtessellata*** (Walker)

1862. *Macaria subtessellata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **26**: 1648.

Source: Gurule & Nikam (2013).

Distribution: India: Himachal Pradesh, Karnataka, Maharashtra (Nashik, Jalgaon), Meghalaya, Tamil Nadu. *Elsewhere*: Myanmar, Nepal.

435. ***Eutoea heteroneurata*** (Guenee)

1857. *Cassyma heteroneurata* Guenee, *Hist. Nat. Insectes, Spec. Gen. Lep.,* **10**: 19.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Sikkim. *Elsewhere*: Australia, New Britain.

436. ***Tephrina catalaunaria*** (Guenee)

1858. *Psamatodes catalaunaria* Guenee, *Spec. Gen.*, **10**: 108.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai), Tamil Nadu. *Elsewhere*: Catalonia.

437. ***Idiochlora caudularia*** (Guenee)

1857. *Nemoria caudularia* Guenee, *Spec. Gen.*, **9**: 346.

Source: Swinhoe (1886), Hampson (1895).

Distribution: India: Maharashtra (Mumbai, Pune), Sikkim, Tamil Nadu. *Elsewhere*: Sri Lanka.

438. ***Antitrygodes cuneilinea*** (Walker)

1863. *Geometra cuneilinea* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **26**: 1752.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Throughout India including Maharashtra (Mumbai).

439. ***Chrysocraspeda olearia*** (Guenee)

1857. *Chrysocraspeda olearia* Guenee, *Spec. Gen.*, **9**: 430.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai), Sikkim. *Elsewhere*: China.

440. ***Eumelea ludovicata*** Guenee

1857. *Eumelea ludovicata* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **9**: 393.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Throughout India including Maharashtra (Pune, Sindhudurg). *Elsewhere*: China, Guam, New Guinea.

441. ****Eumelea rosalia*** (Stoll)

1781. *Eumelea rosalia* Stoll, (*In Cram.*) *Pap. Exot.*, **4**: 152.

1895. *Eumelea rosalia*: Hampson, *Fauna Brit. India, Moths,* **III**: 320.

Material examined: 1 ex., Sindhudurg (16°22.5′N, 73°47.5′E), 29.viii. 2013, Coll. K. Chandra & Party (Reg. no. 4414/H10).

Distribution: India: Andaman and Nicobar Islands, Assam, Bihar, Kerala, Maharashtra (Sindhudurg), Mizoram, Nagaland, Sikkim. *Elsewhere*: Australia, China, Malaysia, Myanmar, New Caledonia, Philippines, Sri Lanka.

442. ****Godonela eleonora*** (Cramer)

1780. *Phalaena eleonora* Cramer, *Pap. Exot.,* **3**: 172.

2013. *Chiasmia eleonora*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 1 ex., Sindhudurg (16°22.5′N, 73°47.9′E), 31.viii.2013, Coll. B. Mitra, 1 ex., Lonar WLS, 5.ii.2004, Coll. P.P. Kulkarni (Reg. no. 4412/H10, 4413/H10).

Distribution:India: Throughout India including Andaman and Nicobar Islands and Maharashtra (Mumbai, Pune, Sindhudurg, Nashik and Dhule), West Bengal. *Elsewhere*: Myanmar, Sri Lanka, Taiwan.

443. ***Pelagodes falsaria*** (Prout)

1912. *Thalassodes falsaria* Prout, *Gen. Insect.,* **129**: 153.

Source: Ghosh (2006), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Meghalaya, Nagaland, Tamil Nadu. *Elsewhere*: Indonesia, Malaysia.

444. ****Pelagodes quadraria*** Guenee

1857. *Thalassodes quadraria* Guenee, *Spec. Gen.,* **9**: 360.

2013. *Pelagodes quadraria*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 1 ex., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4411/H10).

Distribution: India: Throughout India including Maharashtra (Pune, Nashik and Nandurbar). *Elsewhere*: Africa, Australia, Malaysia, Myanmar, Sri Lanka, Thailand.

445. ***Problepsis vulgaris*** Butler

1889. *Problepsis vulgaris* Butler, *Ill. Het.*, **7**: 43.

Source: Shubhalaxmi *et al.* (2011), Thakur & Kumar (2015).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Mumbai, Pune, Sindhudurg). *Elsewhere*: China, Nepal, Sri Lanka.

446. ****Problepsis deliaria*** Guenee

1858. *Argyris deliaria* Guenee *Spec. Gen. Lep.,* **10**: 13.

2013. *Problepsis deliaria*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 1 ex., Satara (17°46.2′N, 74°24.2′E), 27.viii.2013, Coll. K. Chandra & Party (Reg. no. 4462/H10).

Distribution: India: Throughout India, Himachal Pradesh, Maharashtra (Nashik). *Elsewhere*: Myanmar, Sri Lanka.

447. ****Ophthalmitis herbidaria*** (Guenee)

1858. *Ophthalmitis herbidaria* Guenee, *Spec. Gen.,* **9**: 283.

1895. *Ophthalmitis herbidaria*: Hampson, *Fauna Brit. India, Moths,* **III**: 255.

Material examined: 2 exs., Sindhudurg (16°03.9′N,

73°26.9′E), 29.viii.2013, Coll. B. Mitra & Party (Reg. no. 4498/H10-4499/H10).

Distribution: India: Assam, Eastern Himalayas, Maharashtra (Sindhudurg), North West Himalayas. *Elsewhere*: Sri Lanka, Taiwan.

448. *****Somatina omicraria*** (Fabricius)

1798. *Phalaena omicraria* Fabricius, *Ent. Syst. (Suppl.),* **143**: 452.

1895. *Somatina cana* Hampson, *Fauna Brit. India,* **III**: 463.

2005. *Somantia omicraria*: Sihvonen, *Zool. Jour. Linn. Soc.,* **43**: 473-530.

Material examined: 1ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no. 3172/H10).

Distribution: India: Maharashtra, Punjab. *Elsewhere*: Sri Lanka.

449. ****Hyposidra talaca*** (Walker)

1860. *Hyposidra talaca* Walker, *Wlk. Cat.* **XX**: 59.

2013. *Hyposidra talaca*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 1 ex., Raigarh (18°44.4′N, 73°16.4′E), 17.x.2014, Coll. S.K. Shah (Reg. no. 4548/H10).

Distribution: India: Throughout India including Andaman and Nicobar Islands, Maharashtra (Nashik, Dhule and Nandurbar), Mizoram, West Bengal. *Elsewhere*: Australia, China, Indonesia, Malaysia, New Guinea, Philippines, Sri Lanka, Taiwan, Thailand.

450. *****Euchloris dispansa*** (Walker)

1861. *Comibaena dispansa* Walker, *List Lep. Brit. Mus.,* **22**: 574.

1895. *Euchloris dispansa*: Hampson, *Fauna Brit. India, Moths,* **III**: 499.

Material examined:1 ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no.3171/H10)

Distribution: India: Western Ghats including Maharashtra (Pune). *Elsewhere*: Malaysia, Sri Lanka.

451. ***Hypochrosis hyadaria*** Guenee

1857. *Hypochrosis hyadaria* Guenee, *Hist. Nat. Insectes, Spec. Gen. Lep*., **10**: 537.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara), Meghalaya, Mizoram, Sikkim, Tamil Nadu. *Elsewhere*: Sri Lanka.

452. ***Achrosis incitata*** (Walker)

1862. *Omiza incitata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **24**: 1085.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Throughout India including Maharashtra (Mumbai). *Elsewhere*: China, Nepal.

453. ***Plutodes transmutata*** Walker

1861. Plutodes transmutata Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **23**: 976.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), North India. *Elsewhere*: Nepal.

454. ***Caberini medardaria*** Herrich-Schaffer

1856. *Petelia medardaria* Herrich-Schaffer, *Samml. Aussereur. Schmett.,* **1**: p1.94.

Source: Hampson (1895), ShubhSalaxmi *et al.* (2011).

Distribution: India: Throughout India including Maharashtra (Mumbai). *Elsewhere*: Australia, Bangaldesh, Myanmar, Nepal, Sri Lanka.

Superfamily NOCTUOIDEA Latreille, 1809

XLI. Family NOTODONTIDAE Stephens, 1829

455. ***Neocerura liturata*** (Walker)

1855. *Cerura liturata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **5**: 988.

Source: Hampson (1895), Shubhalaxmi *et al.* (2011).

Distribution: India: Assam, Maharashtra (Mumbai, Pune), Sikkim, Tamil Nadu. *Elsewhere*: China, Sri Lanka.

456. ****Phalera combusta*** (Walker)

1855. *Anticyra combusta* Walker, *List. Lep. Het. Brit. Mus.,* **5**: 1092.

2011. *Phalera combusta*: Gurule *et. al.*, *Proc. Int. Conf. Bio. & Cons.*: 9.

Material examined: 9 exs., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4402/H10-4408/H10, 4448/H10-4449/H10).

Distribution: India: Maharashtra (Pune, Nashik), North West Himalaya. *Elsewhere*: Philippines.

457. **Phalera procera* Felder

1874. *Acrosema procera* Felder, *Reise Nowara*, t. 96, Fig. 1.

1892. *Phalera procera*: Hampson, *Fauna Brit. India, Moth,* **I**: 134.

Material examined: 2 exs., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4409/H10-4410/H10).

Distribution: India: Maharashtra (Mumbai), Nagaland, Sikkim. *Elsewhere*: Bangladesh, Myanmar.

458. *Phalera javana* Moore

1859. *Phalera javana* Moore, in Horsfield & Moore, *Cat. Lep. Ins. Mus. Nat. East India House,* **2**: 432.

Source: Hampson (1892), Gurule *et. al.* (2011).

Distribution: India: Throughout India including Maharashtra (Mumbai, Nashik, Dhule). *Elsewhere*: Indonesia, Malaysia.

459. *Phalera raya* Moore

1859. *Phalera raya* Moore, *Cat. Lep. Mus. East India Coy.,* **2**: 433.

Source: Hampson (1892).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai), Nagaland, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Australia, China, Vietnam.

460. *Phalera grotei* Moore

1859. *Phalera grotei* Moore, in *Horsfield & Moore, Cat. Lep. Ins. East India Coy.*, **2**: 434.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Pune, Mumbai, Nashik, Nandurbar). *Elsewhere*: Indonesia, Malaysia.

461. *Phalera sangana* Moore

1859. *Phalera sangana* Moore, in Horsfield & Moore, *Cat. Lep. Ins. Mus. Nat. East India House,* **2**: 433.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Sikkim. *Elsewhere*: Bhutan, China.

462. *Phalera acutoides* Holloway

1983. *Phalera acutoides* Holloway, *Moths of Borneo,* **4**: 35.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik, Jalgaon). *Elsewhere*: Malaysia.

463. *Phalera cossoides* Walker

1863. *Phalera cossoides* Walker, *Trans. Ent. Soc. London,* **1**(3): 80.

Source: Hampson (1892), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Nandurbar), Sikkim, Tamil Nadu, West Bengal.

464. *Neostauropus alternus* (Walker)

1855. *Stauropus alternus* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **5**: 1020.

Source: Gurule *et al.* (2011), Hampson (1892).

Distribution: India: Karnataka, Maharashtra (Mumbai, Nashik, Dhule), Odisha. *Elsewhere*: Indonesia, Philippines.

465. *Turnaca acuta* Walker

1864. *Turnaca acuta* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **32**: 454.

Source: Hampson (1892).

Distribution: India: Jharkhand, Karnataka, Maharashtra (Mumbai), West Bengal.

466. *Turnaca ernestina* (Swinhoe)

1885. *Corma ernestina* Swinhoe, *Proc. Zool. Soc. London*: 302.

Source: Swinhoe (1885).

Distribution: India: Maharashtra (Mumbai).

467. *Netria viridescens* Walker

1855. *Netria viridescens* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **6**: 1504.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune),

Nagaland, Sikkim. *Elsewhere*: China, Indonesia, New Guinea, Sri Lanka.

468. ***Dudusa synopla*** Swinhoe

1907. *Dudusa synopla* Swinhoe, *Ann. Mag. Nat. Hist.,* **19**(7): 205.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Taiwan.

469. ***Bireta longivitta*** Walker

1856. *Bireta longivitta* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **7**: 1754.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Meghalaya. *Elsewhere*: Myanmar.

470. ***Vaneeckeia pallidifascia*** (Hampson)

1892. *Stauropus pallidifascia* Hampson, *Fauna Brit. India, Moths*, **1**: 151.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune), Sikkim. *Elsewhere*: China, Indonesia, Japan, Malaysia, New Guinea, Philippines, Vietnam.

471. ***Neodrymonia basalis*** (Moore)

1879. *Heterocampa basalis* Moore, *Descr. Indian Lep. Atkinson* (1): 60.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai), Sikkim. *Elsewhere*: China.

472. ***Cleapa latifascia*** Walker

1855. *Cleapa latifascia* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **5**: 1037.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Myanmar, Pakistan.

473. ***Quadricalcarifera viridimaculata*** Matsumura

1922. *Quadricalcarifera viridimacula* Matsumura, *Zool. Mag. Tokyo,* **34** (402): 521

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: China, Philippines, Taiwan.

474. ***Syntypistis fasciata*** (Moore)

1879. *Dasychira fasciata* Moore, *Descr. Ind. Lep. Atk.* (1): 58.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai, Pune, Raigarh), Sikkim. *Elsewhere*: China.

475. ***Periergos testacea*** (Walker, F.)

1856. *Pydna testacea* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **7**: 1754.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Tamil Nadu, Uttar Pradesh. *Elsewhere*: Indonesia, Malaysia.

476. ***Ceira longipennis*** (Moore)

1881. *Norraca longipennis* Moore, *Proc. Zool. Soc. London* **1881**: 340.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Malaysia.

477. ***Paracerura priapus*** Schintlmeister

1997. *Cerura priapus* Schintlmeister, *Entomofauna Suppl.,* **9**: 85.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Jalgaon). *Elsewhere*: Vietnam.

XLII. Family EREBIDAE Leach, 1815

478. ****Cyana puella*** (Drury)

1773. *Phalaena puella* Drury. *Ill. Exot. Entom.,* **2**: 3.

1894. *Cyana puella*: Hampson, *Fauna Brit. India, Moths,* **II**: 57.

Material examined: 1 ex., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 3170/H10, 4491/H10).

Distribution: India: Chhatisgarh, Himachal Pradesh, Madhya Pradesh, Maharashtra (Mumbai, Pune), North West Himalayas, Sikkim, South

India, Uttarakhand. *Elsewhere*: Africa, Indonesia, Madagascar, Nepal, Sri Lanka.

479. ***Cyana determinata*** (Walker)

1862. *Bizone determinata* Walker, *Journ. Proc. Linn. Soc.* (Zool.) **6**: 120.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Nashik, Dhule, Jalgaon). *Elsewhere*: Indonesia, Malaysia, Singapore.

480. ***Cyana ridleyi*** (Hampson)

1900. *Chionaema ridley* Hampson, *Cat. Lep. Pha. Brit. Mus.,* **2**: 300.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Nashik, Dhule, Jalgaon). *Elsewhere*: Singapore.

481. ***Aroa xerampelina*** (Swinhoe)

1885. *Gynaephora xerampelina* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 299.

Source: Swinhoe (1885), Hampson (1892).

Distribution: India: Maharashtra (Maharastra, Pune), Tamil Nadu.

482. ***Aroa pyrrhochroma*** Walker

1865. *Aroa pyrrhochroma* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **32**: 329.

Source: Hampson (1892), Gupta & Maulik (2006), Majumdar & Kumar (2010).

Distribution: India: Assam, Himachal Pradesh, Maharashtra (Mumbai), Meghalaya, Nagaland, Sikkim, Uttarakhand, West Bengal.

483. ***Artaxa digramma*** (Boisduval)

1844. *Bombyx digramma* Boisduval, *Icon. Regne Anim. Cuvier,* **3** *(Insectes)*: 508.

Source: Maulik (2010), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Arunachal Pradesh, Assam, Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar), Manipur, Meghalaya, Sikkim, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Indonesia.

484. ***Calliteara horsfieldii*** (Saunders)

1851. *Arctia horsfieldii* Saunders, *Trans. Ent. Soc. London* (n.s. [2]) **1**: 162.

Source: Maulik (2010), Gurule *et al.* (2011).

Distribution: India: Andhra Pradesh, Himachal Pradesh, Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar), Meghalaya, Sikkim, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Indonesia.

485. ***Calliteara grotei*** (Moore)

1859. *Dasychira grotei* Moore, in Horsfield & Moore, *Cat. Lep. Ins. Mus. Nat. East India House* **2**: 338.

Source: Gurule & Nikam (2013).

Distribution: India: Himachal Pradesh, Maharashtra (Nashik, Nandurbar) Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: China, Indonesia, Korea, Malaysia, Vietnam.

486. ***Olene inclusa*** (Walker)

1856. *Dasychira inclusa* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **7**: 1737.

Source: Hampson (1892).

Distribution: India: Maharashtra (Pune), North Western Himalayas. *Elsewhere*: Indonesia.

487. ***Olene mendosa*** Huebner

1823. *Olene mendosa* Huebner, *Zutrage Samml. Exot. Schmett.,* **2**: 19.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra (Nashik), Uttar Pradesh. *Elsewhere*: Indonesia.

488. ***Dasychira olearia*** Swinhoe

1885. *Dasychira olearia* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 297.

Source: Hampson (1892).

Distribution: India: Maharashtra (Pune), Tamil Nadu.

489. ***Laelia devestita*** (Walker)

1865. *Odagra devestita* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **32**: 402.

Source: Hampson (1892).

Distribution: India: Maharashtra (Mumbai), Punjab, West Bengal.

490. ***Laeila testacea*** (Walker)

1855. *Cycnia testacea* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **3**: 683.

Source: Hampson (1892).

Distribution: India: Madhya Pradesh, Maharashtra (Mumbai), Northern India, Punjab, Tamil Nadu. *Elsewhere*: Sri Lanka.

491. ****Nepita conferta*** (Walker)

1854. *Pitane conferta* Walker, *List Lep. Brit. Mus.,* **2**: 533.

2013. *Nepita conferta*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 1 ex., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & Party (Reg. no. 4492/H10).

Distribution: India: Throughout India including Maharashtra (Mumbai, Pune, Satara, Raigarh, Nashik). *Elsewhere*: Sri Lanka.

Remarks: It is the only recorded species of the genus *Nepita* Moore. The species is often found in wet and moist habitats.

492. ****Nannoarctia dentata*** (Walker)

1855. *Aloa dentata* Walker, *Wlk. Cat.,* **III**: 708.

2011. *Nannoarctia dentata*: Shubhalaxmi *et. al.*, *Jour. Bom. Nat. Hist. Soc.,* **108** (3): 197.

Material examined: 1 ex., Sindhudurg (16°03.9′N, 73°26.9′E), 29.viii.2013, Coll. B. Mitra & Party (Reg. no. 4384/H10), 1 ex., Pune (19°20.5′N, 73°47.4′E), 26.viii.2013, Coll. K. Chandra & Party (Reg. no. 4388/H10).

Distribution: India: Eastern India, Karnataka, Maharashtra (Mumbai, Pune), Kerala, Tamil Nadu.

Remarks: This species is endemic to India (Subhalaxmi 2011).

493. *****Argina syringa*** (Cramer)

1775. *Phalaena syringa* Cramer, *Pap. Exot*., **1**, t 5, Fig. C, D.

1894. *Argina syringa*: Hampson, *Fauna Brit. India, Moths,* **II**: 51.

Material examined: 1 ex., Pune (19°07.8′N, 73°33.2′E), 2.xi.2012, Coll. K. Chandra & Party (Reg. no. 4386/H10).

Distribution: India: Throughout India including Maharashtra (Pune). *Elsewhere*: Australia, Sri Lanka.

494. ***Creatonotos transiens*** (Walker)

1855. *Spilosoma transiens* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **3**: 675.

Source: Ghosh & Majumdar (2007), Gupta & Majumdar (2006 & 2010), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Arunachal Pradesh, Assam, Maharashtra, (Mumbai, Pune, Satara, Sindhudurg, Nashik), Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: China, Indonesia, Japan, Malaysia, Nepal, Philippines.

495. ****Creatonotos gangis*** Linnaeus

1763. *Phalaena gangis* Linnaeus, *Amoen. Acad.,* **6**: 410.

2013. *Creatonotos gangis*: Gurule and Nikam, *Jour. Thr. Taxa,* **5** (12): 4697.

Material examined: 1 ex., Satatra, Kaas Valley (17°46.2′N, 74°24.2′E), 3.xi.2012, Coll. K. Chandra & Party (Reg. no. 4387/H10).

Distribution: India: Throughout India, Andhra Pradesh, Maharashtra (Nashik and Nandurbar), Rajasthan, Meghalaya, Sikkim, West Bengal. *Elsewhere*: Australia, China, Japan, Malaysia, Nepal, New Guinea, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand.

496. ****Rajendra perrotteti*** (Guerin-Meneville)

1855. *Aloa biguttata* Walker, *List Lep. Het. Brit. Mus.,* **3**: 707.

2013. *Rajendra perrotteti*: Gurule and Nikam, *Jour. Thr. Taxa,* **5** (12): 4698.

Material examined: 1 ex., Pune (18°27.6′N, 74°16.8′E), 29.viii.2013, Coll. B. Mitra & Party (Reg. no. 4486/H10).

Distribution: India: Himachal Pradesh, Karnataka,

Kerala, Madhya Pradesh, Maharashtra (Mumbai, Pune, Sindhudurg, Raigarh, Nashik, Dhule, Jalgaon and Nandurbar), Punjab, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Myanmar.

497. ***Rajendra sipahi*** (Moore)

1872. *Aloa sipahi* Moore, *Proc. Zool. Soc. London,* **1872**: 573.

1894. *Alphaea sipahi*: Hampson, *Fauna Brit. India, Moths,* **II**: 24.

Material examined: 1 ex., Pune, 29.v.1979, Coll A.S. Mahabal (Reg. no. 4381/H10).

Distribution: India: Maharashtra (Mumbai, Satara, Raigarh), Tamil Nadu.

Remarks: Moore (1872) reported this species from Deccan.

498. ***Rajendra vittata*** Moore

1879. *Rajendra vittata* Moore, *Proc. Zool. Soc. London,* **1879**: 396.

2013. *Rajendra vittata*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Satara, 22.ix.2003, Coll. P.H. Roy (Reg. no. 4382/H10).

Distribution: India: Maharashtra (Nashik, Dhule, Jalgaon and Nandurbar), Tamil Nadu. *Elsewhere*: Myanmar.

499. ***Speredonia obscura*** (Cramer)

1780. *Phaelena (Noctua) obscura* Cramer, *Uitl. Kap.* **3**: 146.

Source: Holloway (1989).

Distribution: India: Andaman Islands, Maharashtra (Pune). *Elsewhere*: Australia, Indonesia, Philippines, Sri Lanka, Taiwan.

500. ***Amata huebneri*** (Boisduval)

1829. *Syntomis huebneri [= huebneri]* Boisduval, *Essai sur Monogr. Zygenides*: 127.

Source: Hampson (1892), Singh *et al.* (2014).

Distribution: India: Throughout India including Maharashtra (Mumbai). *Elsewhere*: Australia, Indonesia, Philippines, Singapore.

501. ***Amata bicincta*** (Kollar)

1844. *Syntomis bicincta* Kollar, in Hugel, *Kaschmir und das Reich der Siek,* **4**: 460.

Source: Shubhalaxmi *et al.* (2011), Singh *et al.* (2014).

Distribution: India: Arunachal Pradesh, Maharashtra (Mumbai, Pune), Meghalaya, North West India, Sikkim, West Bengal. *Elsewhere*: China.

502. ***Amata minor*** (Warren)

1888. *Syntomis minor* Warren, *Proc. Zool. Soc. London* **1888**(3): 294.

Source: Shubhalaxmi *et al.* (2011), Singh *et al.* (2014).

Distribution: India: Maharashtra (Pune), Uttarakhand.

503. ***Amata sperbius*** (Fabricius)

1787. *Zygaena sperbius* Fabricius, *Mantissa Insectorum,* **2**: 103.

Source: Gupta & Majumdar (2006), Gurule & Nikam (2013).

Distribution: India: Assam, Maharashtra (Dhule), Manipur, Meghalaya, Nagaland, Sikkim, West Bengal. *Elsewhere*: China.

504. ***Amata cyssea*** Stoll

1782. *Amata cyssea* Stoll, *(In Cram.) Pap. Exot.,* **4**: 124.

2011. *Amata cyssea*: Shubhalaxmi *et al.*, *Jour. Bom. Nat. Hist. Soc.,* **108**(3): 197.

Material examined: 1 ex., Sindhudurg (16°03.6′N, 73°27.7′E), 31.viii.2013, Coll. B. Mitra & Party (Reg. no. 4488/H10).

Distribution: India: Andhra Pradesh, Himachal Pradesh, Karnataka, Maharashtra (Mumbai and Pune), Meghalaya, North West Himalayas, New Delhi, Sikkim, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Sri Lanka.

505. ***Amata passalis*** (Fabricius)

1781. *Zygaena passalis* Fabricius, *Spec. Ins.*, **2**: 159.

1892. *Syntomis passalis*: Hampson, *Fauna Brit. India, Moths,* **I**: 219.

Material examined: 1 ex., Solapur, 22.i.1991, Coll. R.M. Sharma (Reg. no. 4489/H10), 1 ex., Aurangabad, 8.xii.1997, Coll. S.G. Patil (Reg. no. 4490/H10).

Distribution: India: Andhra Pradesh, Assam,

Karnataka, Maharashtra (Aurangabad and Solapur), Manipur, Tamil Nadu, West Bengal. *Elsewhere*: Sri Lanka.

506. ***Digama marchali*** (Guerin)

1843. *Callimorpha marchali* Guerin, *Voy. Deless. Hist. Nat.,* **2**: 91.

2011. *Digama marchali*: Shubhalaxmi *et al.*, *Jour. Bom. Nat. Hist. Soc.*, **108**(3): 198.

Material examined: 2 exs., Sindhudurg (15°49.3′N, 73°51.3′E), 29.viii.2013, Coll. B. Mitra & Party (Reg. no. 4495/H10-4496/H10), 1 ex., 2.xi.2012, Coll. K. Chandra & Party (Reg. no. 4516/H10).

Distribution: India: Gujarat, Maharashtra (Mumbai, Pune and Raigarh), South India. *Elsewhere*: Myanmar.

507. ***Digama marchalii figurata*** Moore

1878. *Digama figurata* Moore, *Proc. Zool. Soc. London,* **1878**: 5.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Jalgaon, Nandurbar). *Elsewhere*: Myanmar.

508. ***Digama hearseyana*** Moore

1859. *Diagma hearseyana* Moore, *Lep. East India Coy.,* **2**: 289.

1892. *Diagma hearseyana* Hampson, *Fauna Brit. India, Moths,* **I**: 505.

Material examined: 2 exs., Pune (19°20.5′N, 73°47.4′E), 29.viii.2013, Coll. B. Mitra & Party (Reg. no. 4493/H10-4494/H10).

Distribution: India: Throughout India including Maharashtra (Pune). *Elsewhere*: Pakistan, Nepal, Sri Lanka.

509. ***Digama hearseyana similis*** Moore

1878. *Digama similis* Moore, *Proc. Zool. Soc. London,* **1878**: 5.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik).

510. ***Olepa ricini*** Fabricius

1775. *Bombyx ricini* Fabricius, *Syst. Ent.* : 553.

2013. *Olepa ricini*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Khandala, 4.ix.2001, Coll. P.H. Roy (Reg. no. 4383/H10).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Karnataka, Madhya Pradesh, Maharashtra (Nashik, Dhule, Jalgaon and Nandurbar), Nagaland, Punjab, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Sri Lanka.

511. ***Spilarctia mona*** (Swinhoe)

1885. *Spilosoma mona* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 295.

Source: Gurule & Nikam (2013), Singh *et al.* (2014).

Distribution: India: Maharashtra (Nashik, Dhule, Nandurbar), Meghalaya.

512. ****Spilarctia obliqua*** (Walker)

1856. *Crorema obliqua* Walker, *List Lep. Ins. Brit. Mus.,* **7**: 1734.

1892. *Hapigia obliqua*: Hampson, *Fauna Brit. India, Moth,* **I**: 129.

Material examined: 1 ex., Pune, 5.x.2001, Coll. P.H. Roy (Reg. no. 4487/H10).

Distribution: India: Throughout India including Maharashtra (Pune), Uttarakhand and Tamil Nadu. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Myanmar, Pakistan.

513. ***Spilarctia eldorado*** (Rothschild)

1910. *Diacrisia eldorado* Rothschild, *Novit. Zool.,* **17**: 150.

2013. *Spilarctia eldorado*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Aurangabad (20°21.9′N, 75°10.8′E), 10.x.2014, Coll. K. Chandra & Party (Reg. no. 4561/H10).

Distribution: India: Assam, Maharashtra (Nashik), Meghalaya. *Elsewhere*: Sri Lanka.

514. ***Mangina argus*** (Kollar)

1844. *Argina argus* Kollar, in Hugel, *Kaschmir und das Reich der Siek,* **4**: 467.

Source: Ghosh & Mazumdar (2007), Majumdar (2010), Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Throughout India including Maharashtra (Mumbai, Pune, Nashik, Dhule, Nandurbar), Mizoram, Uttarakhand. *Elsewhere*: Bangladesh, China, Indonesia, Myanmar, Nepal, New Guinea, Philippines, Sri Lanka.

515. ***Barsine striata*** (Bremer *et.* Grey)

1852. *Lithosia striata* Bremer & Grey, in Motschulsky, *Etud. Ent.* **1**: 63.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: China, Japan, Korea, Russia.

516. ***Adrapsa ereboides*** (Walker)

1864. *Badiza ereboides* Walker, *Journ. Proc. Linn. Soc. (Zool.)*, **7**: 196.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: Indonesia, Malaysia, Myanmar, Singapore, Sri Lanka.

517. ***Brunia antica*** (Walker)

1854. *Lithosia antica* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **2**: 505.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Pune, Satara, Nashik, Dhule), West Bengal. *Elsewhere*: China, Indonesia, Malaysia, Sri Lanka.

518. ***Eilema fuscodorsalis*** (Matsumura)

1930. *Lithosia fuscodorsalis* Matsumura, *Insecta Matsumurana,* **5**: 37.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Japan.

519. ***Eilema serva*** (Walker)

1854. *Lithosia serva* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **2**: 506.

Source: Shubhalaxmi *et al.* (2011), Dubatolov (2011).

Distribution: India: Maharashtra (Mumbai, Pune), Uttarakhand. *Elsewhere*: Europe, Japan, Nepal.

520. ***Oeonistis entella*** (Cramer)

1779. *Phalaena entella* Cramer, *Uitl. Kap.,* **3**(17-21): 27.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Arunachal Pradesh, Maharashtra (Mumbai, Pune, Satara), Tamil Nadu. *Elsewhere*: Sri Lanka.

521. ***Oeonistis altica*** Linnaeus

1768. *Phalaena (Noctua) altica* Linnaeus, *Iter in Chinam*: 10, 11. Upsaliae.

Source: Gurule *et al.* (2011), Singh *et al.* (2014).

Distribution: India: Madhya Pradesh, Maharashtra (Nashik), North East India. *Elsewhere*: China, Philippines, Taiwan, Vietnam.

522. ***Lemyra rhodophilodes*** (Hampson)

1909. *Diacrisia rhodophilodes* Hampson, *Ann. Mag. Nat. Hist.,* (8) **4**(22): 360.

Source: Majumdar (2010), Gurule *et al.* (2011).

Distribution: India: Himachal Pradesh, Maharashtra (Dhule, Jalgaon), North West Himalaya, Sikkim, Uttarakhand. *Elsewhere*: Taiwan.

523. ***Lemyra spilosomata*** (Walker)

1864. *Thyrgorina spilosomata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **31**: 318.

Source: Shubhalaxmi *et al.* (2011), Dubatolov (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Satara, Sindhudurg), Tamil Nadu.

524. ***Euchromia polymena*** (Linnaeus)

1758. *Sphinx polymena* Linnaeus, *Syst. Nat. (Ed. X)* **1**: 494.

Source: Shubhalaxmi *et al.* (2011), Singh *et al.* (2014).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Raigarh), Nagaland, Plains of India, Tamil Nadu. *Elsewhere*: Australia, China, Indonesia, Malaysia, Myanmar, Philippines, Sri Lanka.

525. ***Hydrillodes lentalis*** Guenee

1854. *Hydrillodes lentalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 66.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Australia, Japan, Sri Lanka, Taiwan.

526. ***Dichromia pullata***

1885. *Dichromia pullata* Moore, *Lep. Ceylon,* **3**(2): 221

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011).

Distribution: India: Maharashtra (Pune, Sindhudurg, Nashik, Dhule). *Elsewhere*: Sri Lanka.

527. ***Pericallia dentata*** (Walker)

1855. *Aloa dentata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **3**: 708.

Source: Hampson (1894), Singh *et al.* (2014).

Distribution: India: Karnataka, Kerala, Maharashtra (Mumbai), Tamil Nadu.

528. ***Pericallia matherana*** (Moore)

1879. *Pangora matherana* Moore, *Proc. Zool. Soc. London* **1879**: 396.

Source: Moore (1879), Hampson (1894), Singh *et al.* (2014).

Distribution: India: Karnataka, Maharashtra (Mumbai, Raigarh), Tamil Nadu.

529. ***Estigmene nigricans*** (Moore)

1872. *Aloa nigricans* Moore, *Proc. Zool. Soc. London,* **1872**: 572.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai, Raigarh).

530. ***Amsacta moorei*** (Butler)

1876. *Areas moorei* Butler, *Cistula Ent.,* **2**(14): 23.

Source: Hampson (1894), Majumdar (2010), Singh *et al.* (2014).

Distribution: India: Maharashtra (Mumbai), North India, North West India, Tamil Nadu, Uttarakhand.

531. ***Milthochrista indica*** (Moore)

1879. *Dysauxes indica* Moore, *Proc. Zool. Soc. London,* **1879**: 390.

Source: Hampson (1894), Moore (1879), Strand (1922).

Distribution: India: Karnataka, Maharashtra (Mumbai).

532. ***Pusiola chota*** (Swinhoe)

1885. *Brunia chota* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 293.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: Africa.

533. ***Asura rubricosa*** (Moore)

1878. *Lyclene rubricosa* Moore, *Proc. Zool. Soc. London,* **1878**: 30.

Source: Moore (1878), Singh *et al.* (2014).

Distribution: India: Assam, Gujarat, Himachal Pradesh, Jammu and Kashmir, Karnataka, Maharashtra (Mumbai), Meghalaya, Sikkim. *Elsewhere*: Sri Lanka.

534. ***Paraona splendens*** (Butler)

1877. *Crambomorpha splendens* Butler, *Trans. Ent. Soc. London* : 357.

Source: Hampson (1894), Strand (1922).

Distribution: India: Karnataka, Maharashtra (Mumbai).

535. ***Spilosoma bimaculata*** (Moore)

1879. *Challa bimaculata* Moore, *Proc. Zool. Soc. London,* **1879**: 398.

Source: Moore (1872), Hampson (1894), Dubatolov (2011).

Distribution: India: Maharashtra (Mumbai), North Western Himalayas.

536. ***Spilosoma montana*** (Guer-Men.)

1843. *Arctia montana* Guerin, in Delessert, *Souv. Voy. Inde.,* **2**: 92.

Source: Hampson (1894), Shubhalaxmi *et al.* (2011), Singh *et al.* (2014).

Distribution: India: Gujarat, Kerala, Madhya Pradesh, Maharashtra (Mumbai, Pune), Tamil Nadu. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Pakistan, Myanmar.

537. ***Spilosoma casigneta*** (Kollar)

1884. *Euprepia casigneta* Kollar, in Hugel, *Kaschmir und das Reich der Siek,* **4**: 469.

Source: Hampson (1894), Gupta & Majumdar (2006).

Distribution: India: Arunachal Pradesh, Assam, Maharashtra (Mumbai), Manipur, Meghalaya, North West Himalaya. *Elsewhere*: Bhutan, China, Tibet.

538. ***Eressa confinis*** (Walker)

1854. *Glaucopis confinis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **1**: 149.

Source: Swinhoe (1885), Gupta & Majumdar (2006), Ghosh & Majumdar (2007).

Distribution: India: Arunachal Pradesh, Bihar, Himachal Pradesh, Maharashtra (Mumbai), Meghalaya, Mizoram, Nagaland, North West Himalayas, Punjab, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal. *Elsewhere*: Bhutan, China, Myanmar, Sri Lanka, Taiwan.

539. ***Amerila eugenia*** (Fabricius)

1794. *Noctua eugenia* Fabricius, *Ent. Syst.,* **3**(2): 19.

Source: Hampson (1920), Dubatolov (2010).

Distribution: India: Central and South India including Karnataka, Maharashtra (Mumbai), Punjab. *Elsewhere*: China, Pakistan, Sri Lanka.

540. ***Amerila astreus*** (Drury)

1773. *Sphinx astreus* Drury, *Ill. Nat. Hist. Exot. Ins.,* **2**: index, 49.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013), Singh *et al.* (2014).

Distribution: India: Throught India including Arunachal Pradesh, Maharashtra (Pune, Satara, Sindhudurg, Nashik, Dhule), Tamil Nadu, West Bengal. *Elsewhere*: China, Indonesia, Myanmar, New Guinea, Philippines, Sri Lanka.

541. ***Aloa lactinea*** (Cramer)

1777. *Bombyx lactinea* Cramer, *Pap. Exot.,* **2**: 58.

Source: Ghosh & Majumdar (2007), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Arunachal Pradesh, Assam, Jammu and Kashmir, Kerala, Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar), Meghalaya, Tamil Nadu, West Bengal. *Elsewhere*: China, Indonesia, Japan, Myanmar, Sri Lanka.

542. *****Utetheisa pulchella*** (Linnaeus)

1758. *Tinea pulchella* Linnaeus, *Syst. Nat.*: 534.

1894. *Deiopia pulchella*: Hampson, *Fauna Brit. India, Moth,* **II**: 55.

Material examined: 1 ex., Pune (19°07.8′N, 73°33.2′E), 2.xi.2012, Coll. K. Chandra & Party (Reg. no. 4385/H10).

Distribution: India: Goa, Lakshadweep, Maharashtra (Pune), West Bengal, Western Himalayas, Western, Northern and Southern Peninsulas. *Elsewhere*: Africa, Australia, Europe, Malaysia, New Guinea, Philippines, Sri Lanka.

543. ****Utetheisa lotrix*** (Cramer)

1779. *Geometra lotrix* Cramer, *Pap. Exot.*, **2**.

2013. *Utetheisa lotrix*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Dhule (20°50.8′N, 74°47.9′E), 14.x.2014, Coll. K. Chandra & Party (Reg. no. 4545/H10).

Distribution: India: Throughout India including Maharashtra (Nashik and Dhule). *Elsewhere*: Australia, Fiji, Indonesia, Islands of Indian Ocean, Philippines.

Remarks: This species is diagnostically confusing withthe species *pulchelloides* Hampson. Both species can be diagnosed based on forewing and antennae feature (Holloway, 1988).

544. ***Syntomoides imaon*** (Cramer)

1779. *Sphinx imaon* Cramer, *Uitl. Kap.,* **3**(17-21): 94.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013), Singh *et al.* (2014).

Distribution: India: Throughout India including Maharashtra (Nashik, Dhule, Nandurbar). *Elsewhere*: China to Malaysia, Indonesia.

545. ***Macrobrochis gigas*** (Walker)

1854. *Lithosia gigas* Walker. *But. Lep. Het. Brit. Mus.,* **2**: 494.

2011. *Macrobrochis* gigas: Shubhalaxmi *et. al.*, *Jour. Bom. Nat. Hist. Soc.,* **108**(3): 197.

Material examined: 6 exs. Pune Ambenali near Pratapgar Dist. Satura Mab., 30.v.1976, Coll. B.K. Tikader (Reg. no. 2615/H10-2620/H10).

Distribution: India: Assam, Kerala, Madhya Pradesh, Maharashtra (Mumbai, Pune, Satara and Sindhudurg), Sikkim, Uttarakhand. *Elsewhere*: Bhutan, China, Hong Kong, Indonesia, Nepal, Taiwan, Thailand.

546. ***Arna bipunctapex*** (Hampson)

1891. *Somena bipunctapex* Hampson, *Ill. Typ. Spec. Lep. Het. Coll. Brit. Mus.,* **8**: 57.

Source: Gupta & Maulik (2006), Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik), Nagaland, Tamil Nadu. *Elsewhere*: Taiwan.

547. ***Orvasca subnotata*** (Walker)

1865. *Orvasca subnotata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **32**: 502.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Indonesia, Malaysia, throughout Oriental tropics including Sri Lanka.

548. ***Lymantria mathura*** (Moore)

1865. *Lymantria Mathura* Moore. *Proc. Zool. Soc. London*: 805.

2011. *Lymantria mathura*: Shubhalaxmi *et. al.*, *Jour. Bom. Nat. Hist. Soc.,* **108**(3): 196.

Material examined: 4 exs., Sindhudurg (15°49.3′N, 73°51.3′E), 31.viii.2013, Coll. B. Mitra & Party (Reg. no. 4450/H10, 4452/H10, 4518/H10- 4519/H10), 1 ex., Satara (17°56.7′N, 73°52.5′E), 27.viii.2013, Coll. K. Chandra & Party (Reg. no. 4451/H10).

Distribution: India: Maharashtra (Mumbai, Pune and Nashik), Meghalaya, North West Himalaya, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: China, Japan, Korea, Nepal.

549. ***Lymantria fuliginosa*** Moore

1883. *Lymantria fuliginosa* Moore, *Proc. Zool. Soc. London,* **1883**: 17.

Source: Moore (1883).

Distribution: India: Karnataka, Maharashtra (Mumbai), Uttarakhand. *Elsewhere*: Sri Lanka.

550. ***Lymantria obsoleta*** Walker

1855. *Lymantria obsoleta* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **4**: 880.

Source: Maulik (2010).

Distribution: India: Assam, Himachal Pradesh, Maharashtra, Punjab, Sikkim, Tamil Nadu, Uttarakhand. *Elsewhere*: China, Nepal, Sri Lanka.

551. ***Lymantria beatrix*** (Stoll)

1790. *Phalaena (Bombyx) beatrix* Stoll, *Uitl. Kap.* (2-5): 173.

Source: Maulik (2010).

Distribution: India: Andhra Pradesh, Assam, Jammu and Kashmir, Jharkhand, Maharashtra, Meghalaya, Punjab, Uttarakhand, Uttar Pradesh, West Bengal. *Elsewhere*: Batavia.

552. ***Euproctis semisignata*** (Walker)

1865. *Cispia semisignata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **32**: 356.

Source: Maulik (2010).

Distribution: India: Assam, Karnataka, Maharashtara, Tamil Nadu, Uttarakhand. *Elsewhere*: Sri Lanka.

553. ***Euproctis subfasciata*** (Walker)

1865. *Artaxa subfasciata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **32**: 332.

Source: Maulik (2010).

Distribution: India: Arunachal Pradesh, Jammu and Kashmir, Manipur, Maharashtra, Meghalaya, Punjab, Sikkim, West Bengal.

554. ***Euproctis viola*** (Swinhoe)

1889. *Lymantria viola* Swinhoe, *Proc. Zool. Soc. London,* **1889**: 406.

Source: Hampson (1892), Maulik (2010).

Distribution: India: Maharashtra (Mumbai), Uttarakhand.

555. ****Euproctis icilia*** (Stoll)

1790. *Bombyx icilia* Stoll, *Pap. Exot. Suppl*., pl. 35.

1892. *Euproctis icilia*: Hampson, *Fauna Brit. India, Moth,* **I**: 479.

Material examined: 1 ex., Sindhudurg, 7.i.2006, Coll. R. Babu (Reg. no. 4517/H10).

Distribution: India: South India including Maharashtra (Sindhudurg), North West Himalayas. *Elsewhere*: Sri Lanka.

556. ****Euproctis semisignata*** (Walker)

1865. *Cispia semisignata*Walker, *List Lep. Ins. Brit. Mus.,* **32**: 356.

1892. *Euproctis semisignata*: Hampson, *Fauna Brit. India, Moth,* **I**: 473.

Material examined: 1 ex., Mumbai Presidency (Western Ghats), Coll. Blatter & Fernandes (Reg. no. 2818/H10).

Distribution: India: Throughout the plains of India and Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

557. ****Perina nuda*** **(**Fabricius)

1787. *Bombyx nuda* Fabricius, *Mant.,* **II**: 119.

2013. *Perina nuda*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4697.

Material examined: 1 ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no. 3168/H10).

Distribution: India: Throughout India including Maharashtra (Nashik, Dhule, Nandurbar and Pune). *Elsewhere*: China, Sri Lanka.

558. ***Somena scintillans*** (Walker)

1856. *Somena scintillans* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **7**: 1734.

Source: Maulik (2010).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Assam, Himachal Pradesh, Maharashhtra, Mizoram, Sikkim, West Bengal. *Elsewhere*: Myanmar, Sri Lanka.

559. ***Orgyia postica*** (Walker)

1855. *Lacida postica* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **4**: 803.

Source: Gupta & Majumdar (2006), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Dhule, Jalgaon, Nandurbar, Nashik), Nagaland, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Indonesia, Malaysia, Myanmar, New Guinea, Sri Lanka, Taiwan.

560. ***Nygmia c.f. madana*** (Moore)

1859. *Euproctis madana* Moore, in Horsfield & Moore, *Cat. Lep. Ins. Mus. Nat. East India House,* **2**: 348.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune), Sikkim, West Bengal.

561. ***Cispia charma*** Swinhoe

1899. *Cispia charma* Swinhoe, *Ann. Mag. Nat. Hist.* (**7**), **3**(13): 112.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Karnataka, Maharashtra (Pune).

562. ***Siccia tenebrosa*** (Moore)

1878. *Aemene tenebrosa* Moore, *Proc. Zool. Soc. London,* **1878**: 34.

Source: Moore (1878), Hampson (1894).

Distribution: India: Maharashtra (Mumbai), Northern India, West Bengal.

563. ***Siccia seriata*** Hampson

1900. *Siccia seriata* Hampson, *Cat. Lep. Phalaenae Brit. Mus.,* **2**: 395.

Source: Gupta & Majumdar (2006).

Distribution: India: Assam, Maharashtra, Meghalaya, Nagaland, North West Himalaya, Sikkim.

XLIII. Family EUTELIIDAE Grote, 1882

564. ***Eutelia favillatrixoides*** Poole, 1989

1989. *Eutelia favillatrixoides* Poole, *In [NE12] Fibiger et. al. 2010, Noct. Eur. (Suppl.1-11)* **12**: 135

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara). *Elsewhere*: China, Sri Lanka.

565. ***Eutelia adulatricoides*** (Mell)

1943. *Phlogophora adulatricoides* Mell, *Zool. Jb. (Syst.)*, **76**: 176.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar).

566. ***Eutelia blandiatrix*** (Guenee)

1852. *Eurhipia blandiatrix* Guenee, *Noct.,* **6**: 307.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Africa, UAE.

567. ***Targalla apicifascia*** (Hampson)

1984. *Eutelia apicifascia* Hampson, *Fauna of British India, Moths,* **2**: 394.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Indo-Australian tropics to Solomons.

568. ***Penicillaria jocosatrix*** Guenee

1852. *Penicillaria jocosatrix* Guenee, in Boisduval & Guenee, *Hist. Nat. Ins. (Spec. gen. Lep.),* **6**: 304.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Throughout India including Maharashtra (Satara, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: China, Indo-Australian tropics.

569. ***Lophoptera squammigera*** Guenee

1852. *Lophoptera squammigera* Guenee, *Noct.*, **3**: 55.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Satara, Sindhudurg, Nashik). *Elsewhere*: Bangladesh, Cambodia, China, Indonesia, Japan, Korea, Laos, Malaysia, Myanmar, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam.

570. ***Lophoptera squammilinea*** Holloway

1984. *Lophoptera squammilinea* Holloway, *Malay. Nat. Jour.,* **38**: 273.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune, Satara). *Elsewhere*: Indonesia, Malaysia.

571. ***Odontodes aleuca*** Guenee

1852. *Odontodes aleuca* Guenee, *Noct.*, **3**: 51.

Source: Gurule *et al.* (2011).

Distribution: India: Throughout India including Maharashtra (Nashik, Dhule).

572. ***Paectes subapicalis*** (Walker)

1858. *Abrostola subapicalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **12**: 883.

Source: Gurule & Nikam (2013), Hampson (1894).

Distribution: India: Maharashtra (Nashik), North West Himalaya, West Bengal. *Elsewhere*: Malaysia, Myanmar, Thailand.

XLIV. Family NOLIDAE Bruand, 1847

573. ***Cryptothripa occulta*** (Swinhoe)

1885. *Salepa occulta* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 461.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

574. ***Aiteta diurna*** (Swinhoe)

1889. *Elydna diurna* Swinhoe, *Proc. Zool. Soc. London*, **1889**: 412.

Source: Hampson (1894), Gurule & Nikam (2013).

Distribution: India: Karnataka, Maharashtra (Nashik, Dhule, Nandurbar), Sikkim.

575. ***Aiteta rufoflava*** (Walker)

1856. *Xanthia rufoflava* Walker, *Wlk. Cat.*, **10**: 467.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Nandurbar).

576. ***Miaromima pangolina*** (Holloway)

1982. *Westermannia pangolina* Holloway, in Barlow, *Intr. Moths of S.E. Asia*: 231.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Indonesia, Malaysia, Philippines.

577. ***Earias vitella*** (Fabricius)

1794. *Tinea vittella* Fabricius, *Ent. Syst.,* **3**(2): 293.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik, Nandurbar).

578. ***Giaura sceptica*** (Swinhoe)

1885. *Symitha sceptica* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 461.

Source: Hampson (1894).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai). *Elsewhere*: Indonesia, Malaysia.

579. ***Lophothripa vitea*** (Swinhoe)

1885. *Selepa vitea* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 460.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai, Khandala). *Elsewhere*: Australia, Indonesia, Malaysia, Solomon Islands.

580. ***Selepa celtis*** Moore

1860. *Selepa celtis* Moore, in Horsfield & Moore, *Cat. Lep. Ins. Mus. Nat. East India House,* **2**: 353.

Source: Hampson (1894), Shubhalaxmi *et al.* (2011).

Distribution: India: Throughout Peninsular India including Maharashtra (Pune, Mumbai, Satara). *Elsewhere*: Australia, China, Japan, Malaysia, Philippines, Sri Lanka.

581. ***Carea angulata*** (Fabricius)

1793. *Bombyx angulata* Fabricius, *Ent. Syst.*, **3**(1): 481.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Himachal Pradesh, Maharashtra (Pune, Sindhudurg, Nashik), Sikkim, Tamil Nadu. *Elsewhere*: China, Indonesia, Sri Lanka.

582. ***Gabala polyspilalis*** Walker

1865. *Gabala polyspilalis* Walker, *Wlk. Cat.* **34**: 1221.

Source: Shubhalaxmi *et al.* (2011), Hampson (1894).

Distribution: India: Throughpout Malabar Coast and Western Ghats including Maharashtra (Mumbai), Sikkim.

583. ***Westermannia superba*** Huebner

1823. *Westermannia superba* Huebner, *Zutrage Samml. Exot. Schmett.* **2**: 23.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Pune, Mumbai, Satara, Sindhudurg, Nashik, Jalgaon, Nandurbar, Dhule). *Elsewhere*: Indonesia, Singapore, Sri Lanka.

584. ***Risoba repugnans*** (Walker)

1856. *Thyatira repugnans* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **9**: 9.

Source: Hampson (1894), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune, Sindhudurg), North India, Tamil Nadu. *Elsewhere*: Sri Lanka.

585. ***Risoba c.f. literata*** (Bremer)

1864. *Acronyota literata* Bremer, *Lep. Ost.-Sib.*: 102.

Source: Hampson (1894), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai), Sikkim, Tamil Nadu. *Elsewhere*: Siberia.

XLV. Family NOCTUIDAE Latreille, 1809

586. ***Aegocera venulia*** (Cramer, [1777])

[1777]. *Phalaena venulia* Cramer, *Pap. Exot.* 2, pl. 165; fig. D.

Source: Cotes & Swinhoe (1887).

Distribution: India: Maharashtra (Pune), Tamil Nadu, West Bengal. *Elsewhere:* Nepal, Pakistan.

587. **Chrysodeixis acuta* (Walker)

1858. *Plusia acuta* Walker, *List Spec. Ins. Brit. Mus.,* **12**: 922.

2013. *Chrysodeixis acuta*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4699.

Material examined: 2 exs., Pune (19°07.8′N, 73°33.2′E), 29.viii.2013, Coll. B. Mitra & Party (Reg. no. 4446/H10-4447/H10).

Distribution: India: Throughout India including Maharashtra (Pune, Satara, Sindhudurg and Nashik), Uttarakhand. *Elsewhere*: Africa, Australia, China, Indonesia, Japan, New Guinea, Pacific region, United Kingdom.

588. **Chrysodeixis eriosoma* (Doubleday)

1843. *Plusia eriosoma* Doubleday, *Dieff. New Zealand,* **II**: 285.

2011. *Chrysodeixis eriosoma*: Shubhalaxmi *et al.*, *Jour. Bom. Nat. Hist. Soc.,* **108**(3): 202.

Material examined: 1 ex, Nashik (19°58.2′N, 73°40.9′E), 15.x.2014, Coll. K. Chandra & Party (Reg. no. 4544/H10).

Distribution: India: Throughout India including Maharashtra (Nandurbar and Jalgaon). *Elsewhere*: Australia, China, Indonesia, Japan, Malaysia, New Guinea, New Zealand.

589. **Spodoptera litura* Fabricius

1775. *Noctua litura* Fabricius, *Syst. Ent.*: 601.

2013. *Spodoptera litura*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4699.

Material examined: 1 ex., Pune (18°27.6′N, 74°16.8′E), 2.xi.2012, Coll. K. Chandra & Party (Reg. no. 4520/H10).

Distribution: India: Throughout Eastern India and Maharashtra (Mumbai, Pune, Satara, Sindhudurg and Nashik). *Elsewhere*: China, Indo-Australian tropics.

Remarks: The species is well recognized pest and was observed abundant in Pune, Dhule and Thane districts.

590. *Spodoptera mauritia* (Boisduval)

1833. *Hadena mauritia* Boisduval, *Nouv. Ann. Mus. Hist. Nat. Paris,* **2**(2): 240.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011).

Distribution: India: Maharashtra (Raigarh, Nashik). *Elsewhere*: China, Indo-Australian tropics, Japan.

591. **Spodoptera littoralis* (Boisduval)

1833. *Prodenia littoralis* Boisduval, *Fauna Ent. Madag. Lep.* : 91.

1894. *Prodenia littoralis*: Hampson, *Fauna Brit. India, Moths* **II**: 247.

Material examined: 3 exs., Mumbai, ??.ix.1950, Coll. S.S.J.E (Reg. no. 1812/H10, 1813/H10, 1814/H10)

Distribution: India: Throughout India including Maharashtra (Mumbai). *Elsewhere*: Africa, Europe, Greece, Israel, Italy, Portugal, Spain, Syria, Turkey.

Remarks: The species was reported from Mumbai by Hampson (1894) but it is not recorded from other parts of Maharashtra in recent past. Examining of old NZC revealed that it was collected from Mumbai in the year 1950.

592. **Chalciope mygdon* (Cramer)

1777. *Phalaena mygdon* Cramer, *Uitl. Kap.,* **2**(9-14): 94.

2013. *Chalciope mygdon*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Sindhudurg (16°22.5′N, 73°47.5′E), 31.viii.2013, Coll. B. Mitra & Party (Reg. no. 4458/H10).

Distribution: India: Throughout India including Andaman and Nicobar Islands, Bihar, Goa, Gujarat, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra (Mumbai, Pune, Nagpur, Satara and Nashik), Sikkim, West Bengal. *Elsewhere*: Cambodia, China, Hong Kong, Indonesia, Malaysia, Myanmar, Nepal, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam.

593. **Grammodes geometrica* (Fabricius)

1775. *Noctua geometrica* Fabricius, *Syst. Ent.*: 599.

2013. *Grammodes geometrica*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 3 exs., Pune (18°31.2′N, 73°52.2′E), 26.viii. 2013, Coll. K. Chandra & Party, 3 exs., Pune (19°07.8′N, 73°33.2′E), 29.viii.2013, Coll. B. Mitra & Party, 2 exs., Satara (17°55.4'N, 73°47.8'E), 27.viii.2013, Coll. K. Chandra & Party (Reg. no. 3176/H10, 4419/H10- 4421/H10).

Distribution: India: Andaman and Nicobar Islands, Assam, Madhya Pradesh, Maharashtra (Mumbai, Pune, Satara, Sindhudurg, Nashik, Dhule, Jalgaon and Nandurbar), Odisha, Punjab, Rajasthan, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal. *Elsewhere*: Africa, Australia, Bangladesh, China, Europe, Indonesia, Myanmar, New Guinea, Singapore, Sri Lanka, Taiwan.

594. ***Grammodes stolida*** (Fabricius)

1775. *Grammodes stolida* Fabricius, *Syst. Ent.*: 599.

2013. *Grammodes stolida*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Pune (19°20.5′N, 73°47.4′E), 28.viii.2013, Coll. B. Mitra & Party (Reg. no. 4512/H10).

Distribution: India: Throughout North West and South India including Maharashtra (Pune, Satara, Nashik and Nandurbar). *Elsewhere*: Aden, Africa, Australia, Europe, throughout Oriental region.

595. ***Adisura marginalis*** (Walker)

1857. *Anthophila marginalis* Walker, *Wlk. Cat.*, **12**: 830.

1894. *Chariclea marginalis*: Hampson, *Fauna Brit. India, Moths,* **II**: 177.

Material examined: 1 ex., Pune (19°20.5′N, 73°47.4′E), 2.xi.2012, Coll. K. Chandra & Party (Reg. no. 4532/H10).

Distribution: India: Maharashtra (Mumbai), North West Himalayas, Odisha, Punjab, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Australia, Indonesia, Myanmar, Philippines, Thailand, Vietnam.

596. ***Adisura atkinsoni*** Moore

1881. *Adisura atkinsoni* Moore, *Proc. Zool. Soc. London,* **1881**: 368.

Source: Moore (1881), Hampson (1894).

Distribution: India: Maharashtra (Mumbai), Nagaland, Sikkim, Tamil Nadu. *Elsewhere*: Africa, China, Indonesia, Japan, Korea, Madagascar, Sri Lanka, Taiwan, Vietnam.

597. ***Bastilla crameri*** (Moore)

1885. *Dysgonia crameri* Moore, *Lep. Ceylon*, **3**: 177.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013), Sekhon & Singh (2015).

Distribution: India: Andaman and Nicobar Islands, throughout India including Himachal Pradesh, Maharashtra (Pune, Sindhudurg, Mumbai, Raigarh, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Pakistan, Sri Lanka, Thailand.

598. ***Bastilla joviana*** (Stoll)

1782. *Noctua joviana* Stoll, *Pap. Exot.*, **4**: 237.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Adaman Islands, Maharashtra (Pune, Sindhudurg, Nashik), West Bengal. *Elsewhere*: Australia, Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, New Guinea, Pakistan, Sri Lanka, Thailand.

599. ***Bastilla arctotaenia*** (Guenee)

1852. *Ophiusa arctotaenia* Guenee, *Noct.*, **3**: 272.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013), Sekhon (2015).

Distribution: India: Himachal Pradesh, Maharashtra (Dhule, Jalgaon, Nandurbar, Nashik). *Elsewhere*: Australia, Fiji, Japan, Korea, Myanmar, New Guinea, Sri Lanka.

600. ***Bastilla fulvotaenia*** (Guenee)

1852. *Ophiusa fulvotaenia* Guenee, *Noct.*, **3**: 272.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Jalgaon, Nashik, Dhule). *Elsewhere*: Indonesia, Malaysia Taiwan.

601. ***Bastilla torrida*** (Guenee)

1852. *Dysgonia torrida* Guenee, *Hist. Nat. Ins. (Noc. 3),* **7**: 269.

2013. *Bastilla torrida*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Satara (17°24.2′N, 73°46.4′E), 27.viii.2013, Coll. K.Chandra & Party (Reg. no.4460/H10).

Distribution: India: Throughout India including Maharashtra (Nashik). *Elsewhere*: Africa, China, Europe, Japan, Myanmar, Sri Lanka.

602. ***Calesia stillifera*** Felder

1874. *Calesia stillifera* Felder, *Reis. Nov. Pep. Het.* : 117.

2013. *Calesia stillifera*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Pune (18°31.2′N, 73°52.2′E), 28.viii.2013, Coll B. Mitra & Party (Reg. no. 4513/H10).

Distribution: India: Throughout India including Maharashtra (Satara, Nashik). *Elsewhere*: Sri Lanka, Thailand.

603. ***Calesia dasyptera*** (Kollar)

1844. *Erebus dasyptera* Kollar, *Hugelis Kashmir*, **4**: 476.

Source: Shubhalaxmi *et al.* (2011), Sekhon & Singh (2015).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Mumbai, Pune). *Elsewhere*: Bangladesh, China, Laos, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam.

604. ***Calesia rhodotela*** Hampson

1926. *Calesia rhodotela* Hampson, *Descr. Ger. Spec. Noct.*: 106.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharahstra (Pune). *Elsewhere*: Myanmar, Thailand.

605. ***Ericeia c.f. pertendens*** (Walker, 1858)

1858. *Remigia pertendens* Walker, *Wlk. Cat.*, **15**: 1512.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Himachal Pradesh, Maharahstra (Pune), Tamil Nadu (Nilgiri hills). *Elsewhere*: Sri Lanka.

606. ***Ericeia inangulata*** (Guenee)

1852. *Hulodes inangulata* Guenee, *Noct.,* **3**: 210.

2013. *Ericeia inangulata*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Satara (17°46.2′N, 74°24.2′E), 27.viii.2013, Coll. K. Chandra & Party (Reg. no. 4497/H10).

Distribution: India: Throughout India including Andaman and Nicobar Islands, Himachal Pradesh, Madhya Pradesh, Maharashtra (Mumbai, Pune, Nashik and Jalgaon) and Uttarakhand, West Bengal. *Elsewhere*: Africa, Australia, China, Myanmar, Sri Lanka.

607. ***Ericeia fraterna*** (Moore)

[1885]. *Girpa fraterna* Moore, *Lep. Ceylon,* **3**: 94.

Source: Cotes & Swinhoe (1887).

Distribution: India: Maharashtra (Raigad, Mumbai, Pune), Tamil Nadu, Uttar Pradesh. *Elsewhere:* China, Indonesia, Myanmar, Philippines, Sri Lanka.

608. ***Aedia leucomelas*** (Linnaeus)

1758. *Noctua leucomelas*Linnaeus, *Syst. Nat. (Ed. X)*: 578.

2013. *Aedia leucomelas*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4699.

Material examined: 1 ex., Pune (19°07.8′N, 73°33.2′E), 30.x.2012, Coll. K. Chandra & Party (Reg. no. 4515/H10).

Distribution: India:Himachal Pradesh, Maharashtra (Mumbai, Pune, Satara, Sindhudurg and Nashik). *Elsewhere*: Africa, Asia, Australia, Europe, Japan, Korea.

609. ***Aedia acronyctoides*** (Guenee)

1852. *Anophia acronyctoides* Guenee, *Noct.*, **3**: 47.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule, Jalgaon).

610. ***Aedia olivescens*** (Guenee)

1852. *Anophia olivescens* Guenee, *Noct.,* **3**: 48.

Source: Cotes & Swinhoe (1887).

Distribution: India: Andaman Islands, Assam, Himachal Pradesh, Jharkhand, Maharashtra (Mumbai, Pune), Punjab, Uttar Pradesh. *Elsewhere*: Pakistan, Sri Lanka.

611. **Ophiusa tirhaca* (Cramer)

1777. *Phalaena tirhaca* Cramer, *Uitl. Kap.,* **2**(9-16): 116.

2013. *Ophiusa tirhaca*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Pune (18°27.6′N, 74°16.8'E), 29.viii.2013, Coll. B. Mitra & Party (Reg. no. 4444/H10).

Distribution: India: Throughout India including Maharashtra (Mumbai, Pune, Satara, Nashik, Dhule and Nandurbar). *Elsewhere*: Africa, Australia, Europe, Israel, Pakistan.

612. **Ophiusa indistincta* Moore

1882. *Ophiodes indistincta* Moore, *Desc. Indian Lep. Atkinson* (2): 169.

2013. *Ophiusa indistincta*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Pune (19°07.8′N, 73°33.2′E), 28.viii.2013, Coll. B. Mitra & Party (Reg. no. 4514/H10).

Distribution: India: Himachal Pradesh, Maharashtra (Nashik and Dhule). *Elsewhere*: Indonesia, Thailand.

613. *Ophiusa olista* (Swinhoe)

1893. *Minucia olista* Swinhoe, *Ann. Mag. Nat. Hist.*, (6)**12**: 261.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: China, Japan, Thailand.

614. *Ophiusa triphaenoides* (Walker)

1858. *Ophiodes triphaenoides* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **14**: 1358.

Source: Shubhalaxmi *et al.* (2011), Gurule *et.al.* (2011), Gurule & Nikam (2013), Sekhon & Singh (2015).

Distribution: India:Himachal Pradesh, Maharashtra (Mumbai, Nashik, Jalgaon), North West Himalayas, Southern India, Western India, West Bengal. *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Taiwan, Thailand.

615. *Ophiusa coronata* (Fabricius)

1775. *Noctua coronata* Fabricius, *Syst. Ent.* : 596.

Source: Gurule *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar), West Bengal. *Elsewhere*: Australia, Malaysia.

616. *Otheris fullonia* (Clerck)

1764. *Phalaena fullonia* Clarck, *Ines.,* pl. 48; f. 1-4.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Indonesia, Malaysia, New Guinea, Philippines, Singapore.

617. **Erebus ephesperis* (Huebner)

1827. *Nyctipao ephesperis* Huebner, *Verz.*: 272.

1918. *Erebus ephesperis*: Swinhoe, *Ann.Mag. Nat. Hist.,* **2**: 84.

2013. *Erebus ephesperis*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 2 exs., Sindhudurg (16°03.9′N, 73°26.9′E), 29.viii.2013, Coll. K. Chandra & Party (Reg. no. 4525/H10-4526/H10).

Distribution: India: Throughout India including Andaman and Nicobar Islands and Maharashtra (Pune, Sindhudurg and Nashik). *Elsewhere*: China, Indonesia, Japan, Malaysia, Myanmar, Philippines, Singapore, Sri Lanka, Taiwan.

618. *Erebus hieroglyphica* (Drury)

1773. *Noctua hieroglyphica* Drury, *Ill. Nat. Hist. Exot. Ins.,* **2**: 3.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Pune, Sindhudurg, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Bangladesh, Cambodia, China, Hong Kong, Indonesia, Japan, Korea, Laos, Madagascar, Malaysia, Myanmar, Pakistan, Philippines, Singapore, Sri Lanka, Taiwan, Thailand, Vietnam.

619. ***Erebus macrops*** (Linnaeus)

1768. *Noctua macrops* Linnaeus, *Syst. Nat.,* **12**(3): 225.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Raigarh, Pune, Sindhudurg, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Thailand.

620. ***Erebus capriniulgus*** (Fabricius)

1781. *Noctua capriniulgus* Fabricius, *Spec. Ins.*, **2**: 210.

2013. *Erebus capriniulgus*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Sindhudurg (15°49.3′N, 73°51.3′E), 31.viii.2013, Coll. B. Mitra & Party (Reg. no. 4527/H10).

Distribution: India: Throughout India including Maharashtra (Amravati, Pune, Sindhudurg, Nashik and Dhule). *Elsewhere*: Indonesia, Malaysia, Myanmar, Sri Lanka.

621. ****Acontia discoidea*** Hopffer

1862. *Acontia discoidea* Hopffer, *Peter's Reis. Moz.*: 433.

1989. *Acontia discoidea*: Poole, *Noc. Lep. Cat. (n.s.)*: 118.

Material examined: 1 ex., Pune (19°20.5′N, 73°47.4′E), 30.x.2012, Coll. K. Chandra & Party (Reg. no. 4524/H10).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Africa.

622. ***Acontia malvae*** (Esper)

1796. *Xanthodes malvae* Esper, *Schmett.,* **IV**(2): 63.

1894. *Acontia malvae*: Hampson, *Fauna Brit. India, Moth,* **II**: 322.

Material examined: 1 ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no. 3174/H10)

Distribution: India: Throughout India including Maharashtra (Nashik, Dhule and Nandurbar). *Elsewhere*: Europe, Taiwan.

623. ***Acontia basifera*** Walker

1857. *Acontia basifera* Walker, *Wlkr. Cat.,* **12**: 793.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Africa.

624. ***Acontia crocata*** Guenee

1852. *Acontia crocata* Guenee, *Hist. nat. Ins., Spec. gen. Lep. (Noct.* 2), **6**: 218.

Source: Hampson (1894).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai, Nashik, Nandurbar), Tamil Nadu.

625. ***Acontia flavonigra*** (Swinhoe)

1884. *Rivula flavonigra* Swinhoe, *Proc. Zool. Soc. London,* **1884**: 522.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Pakistan.

626. ***Acontia opalinoides*** Guenee

1852. *Acontia opalinoides* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep. (Noct. 2),* **6**: 219.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Africa.

627. ***Acontia upsilon*** (Walker)

1865. *Calophasia upsilon* Walker, *Wlk. Cat.*, **33**: 763.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

628. ****Trigonodes disjuncta*** (Moore)

1882. *Chalciope disjuncta* Moore, *Lep. Atk*. 171.

2013. *Trigonodes disjuncta*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4699.

Material examined: 1 ex., Satara (17°55.4′N, 73°47.8′E), 27.viii.2013, Coll. K. Chandra & Party (Reg. no. 4459/H10), 1 ex., Kolhapur (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. B. Mitra & Party (Reg. no. 4511/H10)

Distribution: India: Chhatisgarh, Madhya Pradesh, Maharashtra (Mumbai, Nashik, Dhule and Nandurbar), Tamil Nadu. *Elsewhere*: Malaysia, Sri Lanka.

629. ***Trigonodes hyppasia*** (Cramer)

1779. *Noctua hyppasia* Cramer, *Pap. Exot.*, **3**: 99.

Source: Gurule *et al.* (2011), Sekhon & Singh (2015).

Distribution: India: Andaman and Nicobar Islands, throughout India including Himachal Pradesh, Maharashtra (Mumbai, Pune, Satara, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Old World tropics and subtropics east to Fiji and Tonga.

630. ***Ischyja hemiphaea*** (Hampson)

1926. *Potamophora hemiphaea* Hampson, *Descr. Gen. Spec. Noct.* : 93.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule, Jalgaon). *Elsewhere*: Andamans, Indonesia, Malaysia, Singapore, Thailand.

631. ****Ischyja manila*** (Cramer)

1776. *Ischyja manila* Cramer, *Pap. Exot.* I, Pl. 92.

2011. *Ischyja manila*: Shubhalaxmi*et. al.*, *Jour. Bom. Nat. Hist. Soc.,* **108**(3): 201.

Material examined: 1 ex., Raigarh (18°44.4′N, 73°16.4′E), 18.x.2014, Coll. S.K. Shah (Reg. no. 4558/H10).

Distribution: India: Throughout India including Andaman and Nicobar Islands, Maharashtra (Mumbai and Nashik) and Uttarakhand. *Elsewhere*: Australia, China, Indonesia, Korea, Malyasia, Myanmar, Sri Lanka, Thailand.

632. ****Mythimna separata*** (Walker)

1865. *Leucania separata* Walker, *Wlk. Cat.,* **XXXII**: 626.

2013. *Mythimna separata*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4699.

Material examined: 1 ex., Raigarh (19°00.1′N, 73°16.9′E), 18.x.2014, Coll. S.K. Shah (Reg. no. 4557/H10).

Distribution: India: Throughout India including Maharashtra (Nashik and Dhule). *Elsewhere*: Australia, China, Indonesia, Japan, Korea, Malaysia, New Zealand, Oceania, Pakistan, Russia, Sri Lanka, Thailand, Uzbekistan.

Remarks: This is an universally distributed polyphagous pest species.

633. ***Mythimna consanguis*** (Guenee)

1852. *Hadena consanguis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **6**: 97.

Source: Gurule *et al.* (2011), Hampson (1894).

Distribution: India: Throughout peninsular India including Maharashtra (Nashik).

634. ***Mythimna designata*** Walker

1856. *Leucania designata* Walker, *List. Spec. Lep. Ins. Coll. Brit. Mus.*, **9**: 107.

Source: Gurule & Nikam (2013), Hampson (1894).

Distribution: India: Throughout India including Maharashtra (Nashik, Dhule, Nandurbar). *Elsewhere*: Afro-tropics, Myanmar, Sri Lanka.

635. ***Mythimna subsignata*** (Moore)

1881. *Leucania subsignata* Moore, *Proc. Zool. Soc. London,* **1881**: 336.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune), North Western Himalayas.

636. ****Mocis frugalis*** (Fabricius)

1775. *Noctuafrugalis* Fabricius, *Syst. Ent.*: 601.

2013. *Mocis frugalis*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Pune (19°07.8′N, 73°33.2′E), 2.xi.2012, Coll.K. Chandra & Party (Reg. no. 4523/H10).

Distribution: India: Throughout India including Andaman and Nicobar Islands, Maharashtra (Pune, Nashik, Dhule and Nandurbar), West Bengal. *Elsewhere*: Africa, Australia, throughout Oriental region.

637. ****Mocis undata*** Fabricius

1775. *Noctua undata* Fabricius, *Syst. Ent.*: 600.

2013. *Mocis undata*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Aurangabad (20°18.4′N, 75°04.8′E), 10.x.2014, Coll. K. Chandra & Party (Reg. no. 4555/H10).

Distribution: India: Throughout India including Andaman and Nicobar Islands, Himachal Pradesh, Madhya Pradesh, Maharashtra (Amravati, Nashik. Nashik, Nandurbar), Uttarakhand, West Bengal. *Elsewhere*: Africa, throughout Oriental region.

638. ***Serrodes inara*** (Cramer)

1779. *Noctua inara* Cramer, *Pap. Exot.,* **3**: 78.

2011. *Serrodes inara*: Shubhalaxmi*et. al.*, *Jour. Bom. Nat. Hist. Soc.,* **108**(3): 200.

Material examined: 1 ex., Satara (17°24.2′N, 73°46.4′E), 27.viii.2013, Coll. K. Chandra & Party (Reg. no. 4445/H10).

Distribution: India: Throughout India including Maharashtra (Mumbai, Pune). *Elsewhere*: Africa, Australia, Indonesia, Malaysia, Myanmar, Sri Lanka.

639. ***Serrodes campana*** Guenee

1852. *Serrodes campana* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **7**: 252.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Sindhudurg, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Australia, Fiji, New Caledonia, Samoa.

640. ***Asota ficus*** (Fabricius)

1775. *Aganais ficus* Fabricius, *Syst. Ent*.: 595.

2013. *Asota ficus*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Pune (19°20.5′N, 73°47.4′E), 2.xi.2012, Coll. K. Chandra & Party (Reg. no.4416/H10).

Distribution: India: Throughout India Including Maharashtra (Pune, Nashik, Dhule and Nandurbar). *Elsewhere*: Sri Lanka.

641. ***Asota caricae*** (Fabricius)

1775. *Noctua caricae* Fabricius, *Syst. Ent*.: 596.

2013. *Asota caricae*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Lonar WLS, 5.ii.2004, Coll. P.P. Kulkarni (Reg. no. 4417/H10).

Distribution: India: Throughout India Including Maharashtra (Mumbai, Pune, Nandurbar, Nashik and Dhule). *Elsewhere*: Indonesia, Myanmar, New Guinea, New Ireland, Sri Lanka.

642. ***Asota sericea*** (Moore)

1878. *Hypsa sericea* Moore, *Proc. Zool. Soc. London*, **1878**: 3.

Source: Hampson (1892), Shubhalaxmi *et al.* (2011).

Distribution: India: Karnataka, Maharashtra (Mumbai, Pune), Tamil Nadu.

643. ***Asota plana*** Walker

1854. *Asota plana* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **2**: 450.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Oriental tropics east to New Guinea.

644. ***Episteme adulatrix*** (Kollar)

1844. *Eusemia adulatrix* Kollar, *Hugel's Kaschmir,* **4**(2): 464.

2011. *Episteme adulatrix*: Shubhalaxmi *et al.*, *Jour. Bom. Nat. Hist. Soc.,* **108**(3): 202.

Material examined: 1 ex., Sangli, Chanduli WLS, 20.ix.2003, Coll. P.H. Roy (Reg. no. 4418/H10).

Distribution: India: Throughout India Including Maharashtra (Mumbai, Pune, Satara, Nashik, Dhule and Nandurbar). *Elsewhere*: Myanmar.

645. ***Helicoverpa assulta*** (Guenee)

1852. *Heliothis assulta* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.* **6**: 178.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai, Satara, Sindhudurg). *Elsewhere*: Old World tropics.

646. ***Helicoverpa armigera*** (Huebner)

1827. *Noctua armigera* Huebner, *Samml. Eur. Schmett. Noct.*: 370.

2013. *Helicoverpa armigera*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4699.

Material examined: 1 ex., Pune (18°27.6′N, 74°16.8′E), 28.x.2012, 1 ex., Satara (17°56.7′N,

73°52.5′E), 3.xi.2012, Coll. K. Chandra & Party (Reg. no. 4521/H10-4522/H10).

Distribution: India: Throughout India including Jharkhand, Chhatisgarh, Madhya Pradesh, Maharashtra (Nashik, Dhule, Jalgaon and Nandurbar). *Elsewhere*: Africa, Asia, Australia, Brazil, Europe, Oceania.

Remarks: It is a universally distributed polyphagous and migrant Pest species.

647. ***Acantholipes trajectus*** (Walker)

1857. *Acantholipes trajectus* Walker, *Wlk. Cat.* **XXXIII**: 986.

1894. *Acantholipes trajectus*: Hampson, *Fauna Brit. India, Moth*, **II**: 521.

Material examined: 1ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no. 3181/H10)

Distribution: India: Maharashtra (Pune). *Elsewhere*: Sri Lanka, Taiwan, Japan.

Remarks: Hampson (1894) reported distribution of this species from Western India and Nilgiris.

648. ***Acantholipes circumdata*** (Walker)

1858. *Hydrelia circumdata* Walker, *Wlk. Cat.*, **15**: 1763.

Source: Moore (1881).

Distribution: India: North West India, Western India including Maharashtra (Mumbai). *Elsewhere*: Afghanistan, Africa, Arabian Peninsula, Iran, Pakistan.

649. ***Acantholipes gemma*** Swinhoe

1885. *Gesonia gemma* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 469.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

650. ***Acantholipes inscitia*** (Swinhoe)

1885. *Pasira inscitia* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 473.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai, Pune).

651. ***Acantholipes obeditalis*** Walker

1859. *Gesonia obeditalis* Walker, *Wlk. Cat.*, **16**: 95.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai, Pune), Tamil Nadu.

652. ***Agrotis dispalata*** Swinhoe

1891. *Axylia dispalata* Swinhoe, *Trans. Ent. Soc.,* **1891**: 145.

1894. *Agrotis dispalata*: Hampson, *Fauna Brit. India, Moth,* **II**: 187.

Material examined: 1 ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no. 3180/H10)

Distribution: India: Maharashtra (Khandala, Pune).

653. ***Agrotis biconica*** Kollar

1844. *Agrotis biconica* Kollar, in Hugel, *Kaschmir und das Reich der Siek,* **4**: 480.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai), North West Himalayas, Punjab, Sikkim, Tamil Nadu. *Elsewhere*: Afghanistan, Iran, Madagascar, Myanmar, Pakistan, Sri Lanka, Turkey.

654. ***Agrotis segetum*** (Schiffermuller)

1775. *Noctua segetum* Denis & Schiffermuller, *Ank. Syst. Schmett. Wien.* : 81.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar), West Bengal.

655. ***Agrotis c-nigrum*** (Linnaeus)

1758. *Phalaena (Noctua) c-nigrum* Linnaeus, *Syst. Nat. (Ed. X)* **1**: 516.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai), Nagaland, North West Himalayas.

656. ***Simplicia robustalis*** Guenee

1854. *Simplicia robustalis* Guenee, *Hist. Nat. Ins., Guen. Lep.,* **8**: 58

1895. *Simplicia robustalis*: Hampson, *Fauna Brit. India, Moth,* **III**: 36.

Material examined: 1 ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no. 3177/H10).

Distribution: India: Throughout India including Goa, Maharashtra (Pune). *Elsewhere*: Australia, Hawaii, Malaysia, Myanmar, Sri Lanka.

657. ***Simplicia mistacalis*** (Gueene)

1854. *Herminia mistacalis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **8**: 60.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai), Tamil Nadu, West Bengal.

658. ***Chariclea aureola*** (Walker)

1856. *Leucania aureola* Walker, *Wlk. Cat.*, **9**: 108.

Source: Hampson (1894).

Distribution: India: Karnataka, Maharashtra (Mumbai, Pune), Uttar Pradesh.

659. ***Chariclea artaxoides*** (Moore)

1881. *Pradatta artaxoides* Moore, *Proc. Zool. Soc. London,* **1881**: 366.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai), Manipur, North West Himalayas.

660. ***Chariclea bivittata*** (Walker)

1856. *Leucania bivittata* Walker, *Wlk. Cat.*, **9**: 108.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Myanmar.

661. ***Chariclea sanguinolenta*** (Moore)

1881. *Dorika sanguinolenta* Moore, *Proc. Zool. Soc. London,* **1881**: 363.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai), Tamil Nadu.

662. ***Chariclea sinuata*** (Moore)

1881. *Chariclea sinuata* Moore, *Proc. Zool. Soc. London*, **1881**: 363.

Source: Hampson (1894).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai), Sikkim.

663. ***Chariclea uncta*** (Swinhoe)

1885. *Adisura uncta* Swinhoe, *Proc. Zool. Soc. London*: 449.

Source: Swinhoe (1885), Hampson (1894).

Distribution: India: Maharashtra (Mumbai).

664. ****Chariclea marginalis*** (Walker)

1857. *Chariclea marginalis* Walker, *Wlk. Cat.,* **II**: 830.

1895. *Chariclea marginalis*: Hampson, *Fauna Brit. India, Moth*, **II**: 177.

Material examined: 1 ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no. 3175/H10).

Distribution: India: Maharashtra (Mumbai and Pune), North West Himalaya, Odisha, Sikkim, West Bengal. *Elsewhere*: Australia, Myanmar, Philippines, Sri Lanka, Thailand, Vietnam.

665. *****Cosmophila erosa*** (Huebner)

1818. *Anomis erosa* Huebner, *Zutr. Samml. Exot. Schmett*. **II**: 19.

1894. *Cosmophila erosa*: Hampson, *Fauna Brit. India, Moth,* **II**: 411.

Material examined: 1 ex., Pune, 21.x.1961, Coll. S.E. Kabbhaur (Reg. no. 3178/H10-3179/H10

Distribution: India: Karnataka, Maharashtra. *Elsewhere*: Africa, Australia, Madagascar, throughout Oriental region, United States, West Indies.

666. ***Cosmophila lyona*** Swinhoe

1919. *Cosmophila lyona* Swinhoe, *Ann. nat. Hist.*, **3**(9): 312.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule). *Elsewhere*: Indo-Australian tropics east to Australia, New Caledonia.

667. ***Cosmophila fulvida*** Guenee

1852. *Anomis fulvida* Guenee, *Noct.*, **2**: 397.

Source: Gurule & Nikam (2013), Sekhon and Singh (2015).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Nashik, Dhule, Nandurbar). *Elsewhere*: Africa, Australia, Sri Lanka.

668. ***Cosmophila flava*** (Fabricius)

1775. *Noctua flava* Fabricius, *Ent. Syst.*: 601.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule, Nandurbar). *Elsewhere*: Australia, China, Malaysia, New Zealand, Thailand.

669. ****Anticarsia irrorata*** Fabricius

1781. *Noctua irrorata* Fabricius, *Spec. Ins.,* **II**: 506.

2013. *Anticarsia irrorata*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4699.

Material examined: 1 ex., Nashik (19°58.6′N, 73°41.6′E), 16.x.2014, Coll. K. Chandra & Party (Reg. no. 4553/H10).

Distribution: India: Maharashtra (Nashik and Dhule), South India. *Elsewhere*: Throughout old World tropics.

670. ****Artena dotata*** Fabricius

1794. *Noctua dotata* Fabricius, *Ent. Syst.,* **3**(2): 55.

2013. *Artena dotata*: Gurule and Nikam, *Jour. Thr. Taxa,* **5** (12): 4698.

Material examined: 1 ex., Raigarh (18°42′N, 73°16.3′E), 20.x.2014, Coll. S.K. Shah (Reg. no. 4552/H10).

Distribution: India: Throughout India including Jharkhand, Madhya Pradesh, Manipur, Maharashtra (Mumbai, Pune, Sindhudurg, Nashik, Dhule, Jalgaon and Nandurbar). *Elsewhere*: Indonesia, Japan Malaysia, Sri Lanka, Taiwan.

671. ***Artena submira*** Walker

1858. *Artena submira* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **14**: 1389.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune), Kerala. *Elsewhere*: Bangladesh, Myanmar, Thailand, Vietnam.

672. ****Hypospila bolinoides*** Guenee

1852. *Hypospila bolinoides* Guenee, *Noct.,* **3**: 358.

2013. *Hypospila bolinoides*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., 20.x.2014, Raigarh (19°00.1′N, 73°16.9′E), 20.x.2014, Coll. S.K. Shah (Reg. no. 4539/H10).

Distribution: India: Throughout India including Maharashtra (Mumbai, Satara, Nashik and Dhule). *Elsewhere*: Australia, China, Japan, Malaysia, Myanmar, New Guinea, Sri Lanka.

673. ****Psimada quadripennis*** Walker

1858. *Psimada quadripennis* Walker, *Wlk. Cat.,* **XV**: 1828.

2013. *Psimada quadripennis*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined:1 ex., Raigarh (18°44.4′N, 73°16.4′E), 17.x.2014, Coll. S.K. Shah (Reg. no.4549/ H10).

Distribution: India: Andaman and Nicobar Islands, Chhatisgarh, Himachal Pradesh, Madhya Pradesh, Karnataka, Kerala, Maharashtra (Pune, Nashik and Nandurbar). *Elsewhere*: China, Myanmar, Sri Lanka, Thailand.

674. ****Hamodes propitia*** Guenee

1852. *Hamodes propitia* Guenee, *Guen. Noc.,* **III**: 202.

2013. *Hamodes propitia*: Gurule and Nikam, *Jour. Thr. Taxa,* **5**(12): 4698.

Material examined: 1 ex., Raigarh (18°42′N, 73°16.3′E), 19.x.2014, Coll. S.K. Shah (Reg. no. 4551/H10).

Distribution: India: Throughout India including Andaman and Nicobar Islands and Maharashtra (Nashik, Dhule, Jalgaon and Nandurbar). *Elsewhere*: Australia, Indonesia, Malaysia, Myanmar, New Ireland, Philippines, Solomon Islands, Thailand.

675. ***Hamodes aurantiaca*** Guenee

1852. *Hamodes aurantiaca* Guenee, *Hist. Nat. Ins, Spec. Gen. Lep.,* **7**: 203.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Sindhudurg). *Elsewhere*: Myanmar.

676. ***Homodes vivida*** Guenee

1852. *Homodes vivida* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **6**: 280.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Indonesia, Malaysia, Myanmar, Singapore, Sri Lanka.

677. ***Radara subcupralis*** (Walker)

1865. *Bertula subcupralis* Walker, *Wlk. Cat.*, **34**: 1167.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai).

678. ***Mecistoptera velifera*** (Swinhoe)

1885. *Herminia velifera* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 473.

Source: Hampson (1895).

Distribution: India: Maharashtra (Pune).

679. ***Cytocanis denticulosa*** (Walker)

1865. *Miana denticulosa* Walker, *Wlk. Cat.*, **32**: 676.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune, Mumbai).

680. ***Maliattha fuliginosa*** Warren

1913. *Maliattha fuliginosa* Warren, *In Seitz.,* **11**: 280.

Source: Warren (1926).

Distribution: India: Maharashtra (Mumbai).

681. ***Maliattha signifera*** (Walker)

1858. *Acontia signifera* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **12**: 796.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik, Nandurbar). *Elsewhere*: Australia, China, Japan, Korea, Taiwan, Thailand.

682. ***Maliattha quadripartita*** (Walker)

1865. *Acontia quadripartita* Walker, *Wlk. Cat.*, **33**: 786.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Jalgaon).

683. ***Eustrotia marginata*** (Walker)

1866. *Earias marginata* Walker, *Wlk. Cat.*, **35**: 1775.

Source: Mandal & Maulick (2004), Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Raigarh, Nashik, Nandurbar), Manipur. *Elsewhere*: China, Indonesia, Myanmar.

684. ***Ozarba badia*** (Swinhoe)

1886. *Acontia badia* Swinhoe, *Proc. Zool. Soc. London,* **1886**: 445.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai).

685. ***Ozarba itwarra*** Swinhoe

1885. *Ozarba itwarra* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 452.

Source: Swinhoe (1885), Hampson (1894).

Distribution: India: Maharashtra (Pune).

686. ***Ozarba rectifascia*** (Hampson)

1904. *Metachrostis rectifascia* Hampson, *Fauna Brit. India, Moths*, **2**: 328.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai).

687. ***Ozarba uberosa*** (Swinhoe)

1885. *Thalpochares uberosa* Swimhoe, *Proc. Zool. Soc. London,* **1885**: 457.

Source: Swinhoe (1885), Hampson (1894).

Distribution: India: Maharashtra (Pune).

688. ***Ozarba punctigera*** Walker

1865. *Ozarba punctigera* Walker, *Wlk. Cat.*, **32**: 685.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Satara, Nashik, Jalgaon, Dhule). *Elsewhere*: Africa, Australia, China, Japan, Korea, Myanmar, Nepal, Pakistan.

689. ***Metachrostis mallarba*** Swinhoe

1885. *Ozarba mallarba* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 452.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

690. ***Pariambia pulla*** (Swinhoe)

1885. *Acontia pulla* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 456.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

691. ***Pardoxia graellsii*** (Feisthamel)

1837. *Acontia graellsii* Feisthamel, *Ann. Soc. Ent. Fr.*, **6**: 300.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Dhule, Nandurbar). *Elsewhere*: Aden, Africa, China, Mauritius, South Europe.

692. ***Xanthodes congenita*** (Hampson)

1912. *Acontia congenita* Hampson, *Cat. Lep. Phal.*, **11**: 657.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik, Dhule, Jalgaon).

693. ***Xanthodes intersepta*** Guenee

1852. *Xanthodes intersepta* Guenee, *Noct.*, **2**: 212.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar).

694. ***Xanthodes transversa*** Guenee

1852. *Xanthodes transversa* Guenee, *Noct.,* **2**: 211.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013), Sekhon & Singh (2015).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Mumbai, Nashik, Dhule, Nandurbar, Jalgaon). *Elsewhere*: Australia, Hong Kong, Indonesia, Japan.

695. ***Trisula variegata*** Moore

1858. *Trisula variegata* Moore, *Lep. East. Ind. Coy.* : 420.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune).

696. ***Belciana biformis*** Walker

1858. *Dandaca biformis* Walker, *Wlk. Cat.*, **15**: 1671.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Indonesia, Malaysia, Sri Lanka.

697. ***Chasmina candida*** (Walker)

1865. *Arbasera candida* Walker, *List Lep. Ins. Coll. Brit. Mus.,* **32**: 638.

Source: Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Pune, Satara, Nashik). *Elsewhere*: Indo-Australian tropics East to Fiji.

698. ***Chasmina fasciculosa*** Walker

1858. *Acontia fasciculosa* Walker, *Lep. Cat. Brit. Mus.*, **15**: 1760.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: China, Indonesia, Myanmar.

699. ***Sphragifera rejecta*** (Fabricius)

1775. *Noctua rejecta* Fabricius, *Syst. Ent.* : 601.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: China, Myanmar, Philippines, Sri Lanka.

700. ***Epharmottomena leucodonta*** (Hampson, 1926)

1926. *Metoponrhis leucodonta* Hampson, *Des. Ger. Spec. Noct.* : 78.

Source: Hampson (1926).

Distribution: India: Maharashtra (Mumbai).

701. ***Callopistria apicalis*** (Walker)

1855. *Mosara apicalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **5**: 1032.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Philippines.

702. ***Callopistria maillardi*** (Guenee)

1862. *Eriopus maillardi* Guenee, In Maillard, *Notes Ile Reunion,* **2**(Lep): 39.

Source: Shubhalaxmi *et al.* (2011), Sekhon & Singh (2015).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Satara). *Elsewhere*: Taiwan.

703. ***Callopistria callopistroides*** (Moore)

1881. *Callopistria callopistroides* Moore, *In Shen_Horn (2015), Bio. Tai.* : 57.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Sindhudurg), Meghalaya. *Elsewhere*: Indonesia, Philippines.

704. ***Sesamia uniformis*** (Dudgeon)

1905. *Nonagria uniformis* Dudgeon, *Jour. Bomb. Nat. Hist. Soc.*, **16**: 402.

Source: Dudgeon (1905).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Philippines.

705. ***Parallelia conficiens*** (Walker)

1858. *Ophiusa conficiens* Walker, *Wlk. Cat.*, **14**: 1432.

Source: Hampson (1894), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Jalgaon), North West Himalayas.

706. ***Parallelia stuposa*** (Fabricius)

1794. *Noctua stuposa* Fabricius, *Ent. Syst.*, **3**(2): 42.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Sindhudurg, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: China, Indonesia, Japan, Korea, Philippines, Sri Lanka.

707. ***Parallelia joviana*** Stoll

1782. *Noctua joviana* Stoll, *Pap. Exot.*, **4**: 237.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011).

Distribution: India: Andaman Islands, Jharkhand, Maharashtra (Nashik). *Elsewhere*: Australia, Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, New Guinea, Pakistan, South Africa, Sri Lanka.

708. ***Parallelia renalis*** (Hampson)

1894. *Ophiusa renalis* Hampson, *Fauna Brit. India, Moths*, **2**: 499.

Source: Hampson (1894), Sekhon & Singh (2015).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai), North West Himalayas, Punjab.

709. ***Parallelia maturata*** (Walker)

1858. *Ophisma maturata* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **14**: 1382.

Source: Hampson (1894), Sekhon & Singh (2015).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai), Meghalaya, Tamil Nadu, West Bengal. *Elsewhere*: China, Indonesia, Japan, Malaysia, Thailand.

710. ***Pindara illibata*** (Fabricius)

1775. *Noctua illibata* Fabricius, *Syst. Ent.* : 592.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Pune, Nashik, Nandurbar). *Elsewhere*: China, Indonesia, Japan, Malaysia, Myanmar, Nepal, Philippines, Singapore, Sri Lanka, Thailand.

711. ***Diomea lignicolora*** (Walker)

1857. *Corsa lignicolora* Walker, *Wlk. Cat.*, **13**: 1101.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Sindhudurg). *Elsewhere*: Sri Lanka.

712. ***Cerynea c.f. contentaria*** Walker

1861. *Ephyra contentaria* Walker, *Wlk. Cat.*, **22**: 639.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara). *Elsewhere*: Malaysia.

713. ***Panilla dispila*** (Walker)

1865. *Homoptera dispila* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **33**: 890.

Source: Cotes & Swinhoe (1887), Hampson (1894).

Distribution: India: Maharashtra (Pune, Mumbai), Tamil Nadu (Nilgiri hills). *Elsewhere*: Sri Lanka.

714. ***Crithote horridipes*** Walker

1864. *Crithote horridipes* Walker, *Journ. Linn. Soc. London Zool.*, **7**: 83.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Satara, Jalgaon). *Elsewhere*: China, Indonesia, Malaysia.

715. ***Chilkasa falcata*** Swinhoe

1885. *Chilkasa falcata* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 853.

Source: Hampson (1894), Gurule *et al.* (2011), Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Nashik, Nandurbar, Pune). *Elsewhere*: Indonesia, Malaysia, Philippines, Thailand.

716. ***Hypocala deflorata*** (Fabricius)

1794. *Hyblaea deflorata* Fabricius, *Syst. Ent.*, **3**(2): 127.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013), Sekhon & Singh (2015).

Distribution: India: Himachal Pradesh, Karnataka, Maharashtra (Sindhudurg, Nashik, Dhule, Jalgaon, Nandurbar), North West Himalayas, Tamil Nadu. *Elsewhere*: Africa, Australia, China, Hong Kong, Indonesia, Japan, Korea, Madagascar, Malaysia, Nepal, New Zealand, Sri Lanka, Taiwan, Thailand.

717. ***Hypocala subsatura*** (Guenee)

1852. *Hypocala subsatura* Guenee, *Hist. Nat. Ins. Spec. Gen. Lep.,* **7**: 75.

Source: Hampson (1894), Shubhalaxmi *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Sindhudurg, Pune, Nashik), North West and East Himalayas. *Elsewhere*: Africa, China.

718. ***Hypocala rostrata*** (Fabricius)

1794. *Hyblaea rostrata* Fabricius, *Ent. Syst.,* **3**(2): 127.

Source: Gurule *et al.* (2011), Sekhon & Singh (2015).

Distribution: India: Himachal Pradesh, Karnataka, Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar), North West Himalayas, Tamil Nadu. *Elsewhere*: Africa.

719. ***Anadevidia peponis*** (Fabricius)

1775. *Noctua peponis* Fabricius, *Syst. Ent.*: 608.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Australia, Japan,Taiwan.

720. ***Ctenoplusia furcifera*** (Walker)

1858. *Plusia furcifera* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **12**: 927.

Source: Hampson (1894), Sekhon & Singh (2015).

Distribution: India:Himachal Pradesh, Maharashtra (Pune), North West Himalayas, Tamil Nadu. *Elsewhere*: Africa.

721. ***Ctenoplusia albostriata*** (Bremer & Grey)

1853. *Plusia albostriata* Bremer & Grey, *Beitr. Schmett. N. China*: 18.

Source: Gupta & Maulik (2006), Shubhalaxmi *et al.* (2011), Sekhon & Singh (2015).

Distribution: India: Himachal Pradesh, Maharashtra (Satara), Manipur, Nagaland, Tamil Nadu. *Elsewhere*: Australia, Hong Kong, Japan, Malaysia, New Zealand, Vietnam.

722. ***Thysanoplusia orichalcea*** (Fabricius)

1775. *Noctua orichalcea* Fabricius, *Syst. Ent.*: 607.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013), Sekhon & Singh (2015).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Sindhudurg, Pune,

Satara, Nandurbar, Nashik). *Elsewhere*: Africa, Arabia, Australia, China, Europe, Hong Kong, Japan, New Zealand, Sri Lanka.

723. ***Thysanoplusia intermixta*** (Warren)

1913. *Phytometra intermixta* Warren, In Seitz, *Grosschmett. Erde,* **3**: 357.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nandurbar, Dhule). *Elsewhere*: China.

724. ***Trichoplusia obtusisigna*** (Walker)

1857. *Plusia obtusisigna* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **12**: 930.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune), Tamil Nadu. *Elsewhere*: Sri Lanka.

725. ***Pantydia metaspila*** (Walker)

1857. *Toxocampa metaspila* Walker, *Wlk. Cat.*, **13**: 1032.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune), Tamil Nadu. *Elsewhere*: Australia, Fiji, Hong Kong, Japan, Taiwan.

726. ***Donda ornata*** Moore

1883. *Donda ornata* Moore, *Proc. Zool. Soc. London*, **1883**: 23.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai).

727. ***Donda eurychlora*** (Walker)

1858. *Dandaca eurychlora* Walker, *Wlk. Cat.*, **15**: 1670.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune).

728. ***Polydesma boarmioides*** Guenee

1852. *Polydesma boarmoides* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.*, **6**: 441.

Source: Cotes & Swinhoe (1887), Gurule & Nikam (2013).

Distribution: India: Sikkim, Uttar Pradesh, Maharashtra (Mumbai, Pune, Dhule, Jalgaon). *Elsewhere*: Australia, Bangladesh, Fiji, Hawaii, Malaysia, New Caledonia, Sri Lanka.

729. ***Polydesma terminigera*** (Walker)

1858. *Felinia terminigera* Walker, *Wlk. Cat.,* **15**: 1850.

Source: Hampson (1894).

Distribution: India: Karnataka, Maharashtra (Pune). *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

730. ***Aegocera bimacula*** Walker

1854. *Aegocera bimacula* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **1**: 57.

Source: Shubhalaxmi *et al.* (2011), Sekhon (2015).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai, Pune). *Elsewhere*: Sri Lanka.

731. ***Protheodes veprecola*** Swinhoe

1885. *Protheodes veprecola* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 456.

Source: Swinhoe (1885), Hampson (1894).

Distribution: India: Maharashtra (Pune).

732. ***Janseodes melanospila*** (Guenee)

1852. *Euperia melanospila* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **6** (Noct. 2): 4.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: Africa.

733. ***Rhesala nigriceps*** (Hampson)

1895. *Raparna nigriceps* Hampson, *Fauna Brit. India, Moths,* **3**: 26.

Source: Hampson (1895).

Distribution: India: Himachal Pradesh, Maharashtra (Pune, Mumbai).

734. ***Remigia quaesita*** Swinhoe

1885. *Remigia quaesita* Swinhoe, *Proc. Zool. Soc. London,* **1886**: 468.

Source: Swinhoe (1885).

Distribution: India: Maharashtra (Mumbai), West Bengal.

735. ***Rhynchina pervulgaris*** Swinhoe

1885. *Rhynchina pervulgaris* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 471.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai, Pune), Uttar Pradesh.

736. ***Sphetta apicalis*** Walker

1865. *Sphetta apicalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **32**: 457.

Source: Moore (1879), Hampson (1894).

Distribution: India: Throughout India including Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

737. ***Swinhoea vegetus*** (Swinhoe)

1885. Spadix vegetus Swinhoe, *Proc. Zool. Soc. London* **1885**: 475.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai).

738. ***Hoplotarache binominata*** (Butler)

1892. *Tarache binominata* Butler, *Entom.*, **25**: 64.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

739. ***Metopoceras swinhoei*** (Butler)

1883. *Anthoecia swinhoei* Butler, *Proc. Zool. Soc. London,* **1883**: 162.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

740. ***Porphyrinia albipennis*** (Hampson)

1910. *Eublemma albipennis* Hampson, *Cat. Lep. Phal.*, **10**: 138.

Source: Moore (1881).

Distribution: India: Maharashtra (Mumbai).

741. ***Porphyrinia exigua*** (Walker)

1857. *Micra exigua* Walker, *Wlk. Cat.*, **12**: 823.

Source: Moore (1881).

Distribution: India: Maharashtra (Mumbai).

742. ***Porphyrinia roseana*** (Moore)

1881. *Thalpochares roseana* Moore, *Proc. Zool. Soc. London,* **1881**: 370.

Source: Moore (1881).

Distribution: India: Maharashtra (Mumbai).

743. ***Thyas coronata*** (Fabricius)

1775. *Noctua coronata* Fabricius, *Syst. Ent.*: 596.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Mumbai, Pune, Nashik, Dhule), West Bengal. *Elsewhere*: Indo-Australian tropics to Micronesia, Society Island.

744. ***Thyas honesta*** Huebner

1806. *Thyas honesta* Huebner, *Zutrage Samml. Exot. Schmett.* **2** (Index): 4.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Pune, Satara, Nashik, Dhule, Jalgaon, Nandurbar), West Bengal. *Elsewhere*: Indonesia, Malaysia, Myanmar, Philippines, Thailand.

745. ***Rema costimacula*** (Guenee)

1852. *Toxocampa costimacula* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **6**: 429.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Indonesia, Malaysia, Thailand.

746. ***Avatha chinensis*** (Warren)

1913. *Hypaetra chinensis* Warren, *Seitz Gr.-Schm. pal.*, **3**: 377.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune, Nashik). *Elsewhere*: China, Taiwan.

747. ***Attatha regalis*** (Moore)

1872. *Hypercompa regalis* Moore, *Proc. Zool. Soc. London,* **1872**(2): 575.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Dhule).

748. ***Sympis rufibasis*** Guenee

1852. *Sympis rufibasis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **7** (Noct. 3): 344.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Sindhudurg). *Elsewhere*: Australia, Indo-Australian tropics east to New Guinea, Solomons Islands.

749. ***Sphingomorpha chlorea*** (Cramer, 1777)

1777. *Phalaena chlorea* Cramer, *Uitl. Kap.,* **2**(9-16): 12.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Nashik).

750. ***Spirama retorta*** (Clerck)

1764. *Phalaena retorta* Clerck, *Icon. Ins. Rariorum*: pl. [54].

Source: Gurule *et al.* (2011), Gurule & Nikam (2013), Sekhon & Sing (2015).

Distribution: India: Andaman and Nicobar Islands, throughout India including Himachal Pradesh, Maharashtra (Mumbai, Pune, Sindhudurg, Matheran, Nashik, Dhule, Jalgaon, Nandurbar).

751. ***Spirama helicina*** (Huebner)

1824. *Speiredonia helicina* Huebner, *Zutr. Samml. Exot. Schmett.,* **3**: 14.

Source: Cotes & Swinhoe (1887), Gurule *et al.* (2011).

Distribution: India: Assam, Himachal Pradesh, Jharkhand, Karnataka, Maharashtra (Pune, Satara, Mumbai, Nashik, Dhule, Jalgaon), Meghalaya, Uttar Pradesh, West Bengal. *Elsewhere*: China, Indonesia, Japan, Korea, Laos, Malaysia, Nepal, Philippines, Russia, Sri Lanka, Taiwan, Thailand, Vietnam.

752. ***Spirama indenta*** Hampson

1891. *Spiramia indenta* Hampson, *Ill. Het. Brit. Mus.*, **8**: 89.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Dhule). *Elsewhere*: Indonesia, Sri Lanka.

753. ***Celama pascua*** (Swinhoe)

1885. *Roeselia pascua* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 293.

Source: Swinhoe (1885), Hampson (1894).

Distribution: India: Maharashtra (Pune), Nagaland, Tamil Nadu.

754. ***Condica conducta*** (Walker)

1857. *Caradrina conducta* Walker, *Wlk. Cat.*, **10**: 296.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Satara, Sindhudurg). *Elsewhere*: Africa, Chagos Archipelago, Fiji, Hong Kong, Society Islands.

755. ***Condica illecta*** (Walker)

1865. *Perigea illecta* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **32**: 684.

Source: Shubhalaxmi *et al.* (2011), Sekhon & Singh (2015).

Distribution: India: Andaman and Nicobar Islands, throughout India including Himachal Pradesh, Maharashtra (Satara, Sindhudurg). *Elsewhere*: Indo-Australian and Pacific tropics.

756. ***Condica dolorosa*** (Walker)

1865. *Mamestra dolorosa* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **32**: 667.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013), Hampson (1894).

Distribution: India: Andaman and Nicobar Islands, throughout India including Maharashtra (Nashik). *Elsewhere*: Australia, Hawaii, Hong Kong, Malaysia, Sri Lanka, Taiwan.

757. ***Amyna stellata*** Butler

1878. *Amyna stellata* Butler, *Noc.* : 162.

Source: Gurule *et al.* (2011), Hampson (1894).

Distribution: India: Throughout India including Maharashtra (Nashik, Nandurbar). *Elsewhere*: Japan.

758. ***Amyna axis*** (Guenee)

1852. *Perigea axis* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **5** (Noct. 1): 407.

Source: Gurule & Nikam (2013), Hampson (1894).

Distribution: India: Andaman and Nicobar Islands, throughout India including Maharashtra (Nashik). *Elsewhere*: Africa, America, Australia, Indonesia, Sri Lanka.

759. ***Oruza divisa*** (Walker)

1862. *Selenis divisa* Walker, *Trans. Ent. Soc.*, (3)**1**: 107.

Source: Gurule *et al.* (2011), Hampson (1894).

Distribution: India: Throughout India including Maharashtra (Maharashtra (Nashik, Dhule). *Elsewhere*: Africa, Hong Kong, Indonesia, Japan, Sri Lanka, Taiwan.

760. ***Hulodes caranea*** (Cramer)

1780. *Phalaena caranea* Cramer, *Uitl. Kap.,* **3**(23-24): 140.

Source: Cotes & Swin hoe (1882), Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Assam, Himachal Pradesh, Maharashtra (Mumbai, Pune, Satara, Sindhudurg, Nashik, Nandurbar), Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: China, Indonesia, Myanmar, New Guinea, Philippines, Singapore, Sri Lanka, Thailand.

761. ***Hulodes drylla*** Guenee

1852. *Hulodes drylla* Guenee, *Noct.*, **3**: 209.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Dhule, Nandurbar). *Elsewhere*: Australia.

762. ***Pericyma umbrina*** (Guenee)

1852. *Alamis umbrina* Guenee, *Noct.*, **3**: 4.

Source: Cotes & Swinhoe (1887), Gurule *et al.* (2011), Gurule & Nikam (2013), Sekhon & Singh (2015).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Pune, Nashik, Jalgaon, Nandubar). *Elsewhere*: Bangladesh, Pakistan.

763. ***Pericyma cruegeri*** (Butler)

1886. *Homoptera cruegeri* Butler, *Trans. Ent. Soc.*, 411.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule, Nandurbar). *Elsewhere*: Australia, Hong Kong, Indonesia, Malaysia, New Guinea, Philippines, Taiwan, Thailand, Vietnam.

764. ***Pericyma infligens*** (Walker)

1857. *Homoptera infligens* Walker, *Cat. Lep. Het. Brit. Mus.,* **13**: 1068.

Source: Cotes & Swinhoe (1887).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: Africa, Pakistan.

765. ***Ercheia cyllaria*** (Cramer)

1782. *Noctua cyllaria* Cramer, *Pap. Exot.*, **3**: 100.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Pune, Sindhudurg, Nashik). *Elsewhere*: China, Ethiopia, Indonesia, Japan, Malaysia, Myanmar, Singapore, Sri Lanka, Vietnam.

766. ***Ercheia diversipennis*** Walker

1857. *Ercheia diversipennis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **13**: 1108.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Indonesia, Malaysia, Myanmar, Sri Lanka.

767. ***Leucania polemusa*** Swinhoe

1885. *Leucania polemusa* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 447.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

768. ***Leucania vana*** (Swinhoe)

1885. *Agrotis vana* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 453.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

769. ***Lyncestis amphix*** (Cramer)

1777. *Noctua amphix* Cramer, *Pap. Exot.*, **2**: 59.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

770. ***Lyncestis unilinea*** (Swinhoe)

1885. *Rhizogramma unilinea* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 452.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

771. ***Sasunaga tenebrosa*** (Moore)

1867. *Hadena tenebrosa* Moore, *Proc. Zool. Soc. London,* **1867**: 59.

Source: Hampson (1894), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Pune, Nashik, Dhule, Jalgaon). *Elsewhere*: Indonesia, Philippines.

772. ***Sasunaga longiplaga*** Warren

1912. *Sasunaga longiplaga* Warren, *Novit. Zool.,* **19**: 15.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik). *Elsewhere*: Malaysia, New Guinea.

773. ***Egnasia caduca*** (Swinhoe)

1885. *Matella caduca* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 470.

Source: Swinhoe (1885).

Distribution: India: Maharashtra (Mumbai).

774. ***Egnasia ephyrodalis*** Walker

1858. *Egnasia ephyrodalis* Walker, *Wlk. Cat.*, **16**: 217.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Nashik, Nandurbar). *Elsewhere*: Bangladesh, Sri Lanka.

775. ***Fodina contigua*** Wileman

1914. *Fodina contigua* Wileman, *Entomol.*, **47**: 221.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Raigarh). *Elsewhere*: Africa, China, Indonesia, Japan, Philippines, Sri Lanka.

776. ***Buzara onelia*** (Guenee)

1852. *Naxia onelia* Guenee, *Noct.,* **3**: 256.

Source: Shubhalaxmi *et al.* (2011), Sekhon (2015).

Distribution: India: Himachal Pradesh, Maharashtra (Satara, Sindhudurg). *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Philippines, Singapore.

777. ***Plecoptera flava*** (Brem. & Grey)

1853. *Heliothis flava* Brem & Grey, *Schmett. N. China*: 18.

Source: Swinhoe (1885).

Distribution: India: Maharashtra (Mumbai).

778. ***Plecoptera recta*** (Pagenstecher)

1886. *Madopa recta* Pagenstecher, *Dt. Ent. Z. Iris*, **1**: 43.

Source: Hampson (1894), Gurule *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Indonesia, Malaysia, Thailand.

779. ***Plecoptera resistens*** (Walker)

1858. *Heliothis resistens* Walker, *Wlk. Cat.,* : 1749.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai).

780. ***Plecoptera reflexa*** (Guenee)

1852. *Plecoptera reflexa* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep.,* **6** (Noct. 2): 430.

Source: Hampson (1894), Gurule *et al.* (2011), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune, Nashik, Dhule, Jalgaon, Nandurbar, Mumbai). *Elsewhere*: China, Philippines, Singapore.

781. ***Heliothis virescens*** (Fabricius)

1777. *Noctua virescens* Fabricius, *Genera Insectorum*: 282.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule). *Elsewhere*: America.

782. ***Heliothis irrorata*** (Moore, 1881)

1881. *Axylia irrorata* Moore, *Proc. Zool. Soc. London*, **1881**: 341.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule, Nandurbar).

783. ***Aspila peltigera*** (Denis & Schiffermuller, 1776)

1776. *Noctua peltigera* Denis & Schiffermuller, *Wien. Verz.* : 89.

Source: Hampson (1894), Gurule *et al.* (2011), Gurule & Nikam (2013), Sekhon & Singh (2015).

Distribution: India: Maharashtra (Pune, Nashik, Jalgaon, Nandurbar), North West India.

784. ***Naarda ineffectalis*** (Walker)

1859. *Hypena ineffectalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **16**: 85.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Malaysia, Sri Lanka.

785. ***Hypena mandatalis*** Walker

1859. *Hypena mandatalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **16**: 58.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Sri Lanka.

786. ***Hypena mimicalis*** Swinhoe

1885. *Hypena mimicalis* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 471.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai, Pune).

787. ***Hypena obstupidalis*** Swinhoe

1885. *Hypena obstupidalis* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 471.

Source: Hampson (1895).

Distribution: India: Maharashtra (Khandala, Mumbai).

788. ***Hypena strigatus*** (Fabricius)

1798. *Crambus strigatus* Fabricius, *Ent. Syst. (Suppl.)*: 467.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Oriental tropics to Indonesia.

789. ***Hypena laceratalis*** Walker

1859. *Hypena laceratalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **16**: 60.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Australia, Cook Islands, Old World tropics.

790. ***Hypena subvittalis*** Walker

1866. *Hypena subvittalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **34**: 1143.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Dhule).

791. ***Hypena proboscidalis*** (Linnaeus)

1758. *Phalaena (Pyralis) proboscidalis* Linnaeus, *Syst. Nat. (Ed. X)* **1**: 533.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nashik, Jalgaon). *Elsewhere*: Africa, Altai Mountains, China, Iran, Japan, Kamchatka, Korea, Siberia, Taiwan.

792. ***Hypena obductalis*** Walker

1859. *Hypena obductalis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.,* **16**: 56.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Dhule).

793. ***Hypopyra shiva*** Guenee

1852. *Hypopyra shiva* Guenee, *Noct.*, **3**: 199.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai).

794. ***Hypopyra ossigera*** Guenee

1852. *Hypopyra ossigera* Guenee, *Noct.*, **3**: 201.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune, Satara). *Elsewhere*: China, Indonesia, Malaysia.

795. ***Hypopyra vespertilio*** (Fabricius)

1787. *Noctua vespertilio* Fabricius, *Mantissa Insectorum,* **2**: 136.

Source: Cotes & Swinhoe (1887), Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman Islands, Assam, Himachal Pradesh, Maharashtra (Mumbai, Pune, Sindhudurg, Raigarh, Nashik, Jalgaon, Nandurbar), Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: China, Indonesia, Japan, Myanmar, Sri Lanka.

796. ***Bamra mundata*** (Walker)

1858. *Agrotis mundata* Walker, *Wlk. Cat.*, **15**: 1701.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013), Sekhon & Singh (2015).

Distribution: India: Assam, Himachal Pradesh, Maharashtra (Jalgaon.Nashik), Sikkim. *Elsewhere*: Sri Lanka.

797. ***Entomogramma fautrix*** Guenee

1852. *Entomogramma fautrix* Guenee, *Noct.*, **3**: 204.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Nashik, Dhule). *Elsewhere*: Bangladesh, Sri Lanka, Taiwan.

798. ***Episparis liturata*** (Fabricius)

1787. *Phalaena liturata* Fabricius, *Mant.*, **2**: 197.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule, Jalgaon). *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Sri Lanka, Thailand.

799. ***Euplexia gemmifera*** (Walker)

1857. *Plusia gemmifera* Walker, *Wlk. Cat.*, **12**: 934.

Source: Hampson (1894), Sekhon & Singh (2015).

Distribution: India: Himachal Pradesh, Maharashtra (Pune), Sikkim, Tamil Nadu.

800. ***Euplexia indistans*** (Guenee)

1852. *Hadena indistans* Guenee, *Noct.,* **2**: 87.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai), North West Himalayas, Southern India. *Elsewhere*: Sri Lanka.

801. ***Euplexia metallica*** (Walker)

1865. *Mamestra metallica* Walker, *Wlk. Cat.*, **32**: 666.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai), Sikkim, West Bengal.

802. ***Falcimala atrata*** (Buttler)

1889. *Pseudaglossa atrata* Butler, *Het. Brit. Mus.*, **7**: 85.

Source: Hampson (1895).

Distribution: India: Himachal Pradesh, Maharashtra (Pune), Sikkim, Tamil Nadu.

803. ***Gesonia gemma*** Swinhoe

1885. *Gesonia gemma* Swinhoe, *Proc. Zool. Soc. London London* **1885**: 469.

Source: Swinhoe (1885).

Distribution: India: Maharashtra (Pune).

804. ***Goniocraspedon mistura*** (Swinhoe)

1891. *Nagadeba mistura* Swinhoe, *Trans. Ent. Soc.,* : 151.

Source: Hampson (1895).

Distribution: India: Maharashtra (Pune), Sikkim. *Elsewhere*: Sri Lanka, Australia.

805. ***Anomis trilineata*** (Moore)

1883. *Gonitis trilineata* Moore, *Proc. Zool. Soc. London*, **1883**: 21.

Source: Moore (1883).

Distribution: India: Maharashtra (Mumbai).

806. ***Gonitis mesogona*** (Walker)

1857. *Gonitis mesogona* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **13**: 1002.

Source: Shubhalaxmi *et al.* (2011), Sekhon & Singh (2015).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Raigarh). *Elsewhere*: Indonesia, Japan, Malaysia, Thailand, Vietnam.

807. ***Rusicada albitibia*** (Walker)

1857. *Gonitis albitibia*, Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **13**: 1001.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Australia, China, Fiji, Indonesia, Japan, Myanmar, New Guinea, Samoa, Sri Lanka.

808. ***Rusicada combinans*** (Walker)

1857. *Gonitis combinans* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **13**: 1001.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Africa, Australia, China, Fiji, Myanmar, Sri Lanka.

809. ***Rusicada leucolopha*** (Prout)

1928. *Anomis leucolopha* Prout, *Bull. Hill. Mus. Witley*, **2**: 266.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara). *Elsewhere*: China, Indonesia, Japan.

810. ***Rusicada metaxantha*** (Walker)

1857. *Gonitis metaxantha* Walker, *Wlk. Cat.*, **13**: 1005.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara). *Elsewhere*: Australia, China, Fiji, Indonesia, Japan, Myanmar, Samoa, Solomon Island, Sri Lanka.

811. ***Rusicada nigritarsis*** Walker

1857. *Rusicada nigritarsis* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **15**: 1006.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Dhule). *Elsewhere*: Australia, Fiji, Hainan, Indonesia, Malaysia, Samoa, Solomon Islands, Sri Lanka, Taiwan, Vanuatu.

812. ***Calyptra minuticornis*** (Guenee)

1852. *Calpe minuticornis* Guenee, *Hist. Nat. Insectes, Spec. Gen. Lep.*, **6**: 374.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Pune, Satara, Nashik, Dhule). *Elsewhere*: Australia, China, Indonesia, Japan, Sri Lanka.

813. ***Eudocima salaminia*** (Cramer)

1777. *Noctua salaminia* Cramer, *Uitl. Kap.*, **2**: 117.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Sindhudurg, Nashik). *Elsewhere*: China, Japan, New Guinea, Philippines.

814. ***Eudocima phalonia*** (Linnaeus)

1763. *Phalaena phalonia* Linnaeus, *Cent. Insectorum rariorum*: 28

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Satara, Sindhudurg, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Australia, China, Indonesia, Japan, Korea, New Guinea, New Zealand.

815. ***Eudocima homaena*** (Huebner)

1827. *Othreis homaena* Huebner, *Verz. Bekannter Schmett.*: 264.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Satara, Sindhudurg, Nashik, Dhule, Jalgaon, Nandurbar), Tamil Nadu. *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Philippines, Singapore, Sri Lanka.

816. ***Eudocima hypermnestra*** (Stoll)

1780. *Noctua hypermnestra* Stoll, *Cram. Pap. Exot.*, **4**: 69.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Sindhudurg, Nashik). *Elsewhere*: Myanmar, Sri Lanka.

817. ***Eudocima materna*** (Linnaeus)

1767. *Noctua materna* Linnaeus, *Syst. Nat.*, **12**: 840.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Himachal Pradesh, Karnataka, Uttar Pradesh, Maharashtra (Mumbai, Pune, Satara, Nashik, Dhule, Jalgaon, Nandurbar), Tamil Nadu, West Bengal. *Elsewhere*: Africa, Australia, Canada, Indonesia, New Guinea, Pakistan, Sri Lanka.

818. ***Oraesia c.f. argyrosigna*** Moore

1884. *Oraesia argyrosigna* Moore, *Lep. Ceylon,* **3**: 77.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Malaysia.

819. ***Oraesia emarginata*** (Fabricius)

1794. *Noctua emarginata* Fabricius, *Ent. Syst.,* (III) **2**: 82.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013), Sekhon & Singh (2015).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Pune, Sindhudurg, Nashik, Jalgaon, Nandurbar). *Elsewhere*: Australia, China, Japan, Korea.

820. ***Plusiodonta coelonota*** (Kollar)

1844. *Plusia coelonota* Kollar, in Hugel, *Kaschmir und das Reich der Siek,* **4**: 482.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara, Pune). *Elsewhere*: China, Indonesia, Japan, Myanmar, New Guinea, Philippines, Singapore, Sri Lanka.

821. ***Phyllodes consobrina*** Westwood

1848. *Phyllodes consobrina* Westwood, C*ab. Or. Ent.* : 57.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Sindhudurg). *Elsewhere*: Myanmar, Sri Lanka, Thailand.

822. ***Achaea janata*** (Linnaeus)

1758. *Phalaena janata* Linnaeus, *Syst. Nat. (Ed. X)* **1**: 527.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Himachal Pradesh, Maharashtra (Pune, Sindhudurg, Satara, Mumbai, Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Australia, China, Indonesia, Japan, Myanmar, New Guinea, New Zealand, Philippines.

823. ***Achaea serva*** (Fabricius)

1775. *Noctua serva* Fabricius, *Syst. Ent.* : 593.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Pune, Sindhudurg, Satara, Mumbai, Nashik, Dhule, Jalgaon, Nandurbar. *Elsewhere*: China, Philippines.

824. ***Raparna horciusalis*** (Walker)

1859. *Bleptina horciusalis* Walker, *Wlk. Cat.*, **19**: 876.

Source: Swinhoe (1885).

Distribution: India: Maharashtra (Mumbai).

825. ***Raparna ochreipennis*** Moore

1882. *Raparna ochreipennis* Moore, *Lep. Atk.* : 178.

Source: Moore (1882), Hampson (1895).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Nepal.

826. ***Dierna strigata*** Moore

1867. *Phurys strigata* Moore, *Proc. Zool. Soc. London,* **1867**: 80.

Source: Hampson (1895), Sekhon and Singh (2015).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai), Meghalaya, Tamil Nadu.

827. ***Dierna patibulum*** (Fabricius)

1794. *Noctua patibulum* Fabricius, *Ent. Syst.*, **3**(2): 89.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Myanmar, Sri Lanka.

828. ***Dierna acanthusalis*** Walker

1858. *Dierna acanthusalis* Walker, *Wlk. Cat.,* **16**: 205.

Source: Shubhalaxmi *et al.* (2011), Sekhon and Singh (2015).

Distribution: India: Himachal Pradesh, Maharashtra (Pune), Tamil Nadu. *Elsewhere*: Myanmar, Sri Lanka.

829. ***Eublemma abrupta*** (Walker)

1865. *Mestleta abrupta* Walker, *Wlk. Cat.*, **33**: 830.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai, Pune).

830. ***Eublemma bulla*** (Swinhoe)

1884. *Micra bulla* Swinhoe, *Proc. Zool. Soc. London* **1884**: 518.

Source: Swinhoe (1885), Hampson (1894).

Distribution: India: Maharashtra (Pune), Himachal Pradesh. *Elsewhere*: Africa.

831. ***Eublemma anachoresis*** (Wallengren)

1863. *Xanthoptera anachoresis* Wallengren, *Wien. Ent. Mon.,* **7**: 148.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Africa, Australia, Fiji, Hong Kong, Japan, Sri Lanka, Taiwan, Thailand.

832. ***Eublemma candidana*** (Fabricius)

1794. *Pyralis candidana* Fabricius, *Ent. Syst.*, **3**(2): 245.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai).

833. ***Eublemma albipennis*** Hampson

1910. *Eublemma albipennis* Hampson, *Cat. Lep. Phal.*, **10**: 138.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai).

834. ***Eublemma baccalix*** (Swinhoe)

1886. *Mestleta baccalix* Swinhoe, *Proc. Zool. Soc. London* **1886**: 452.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Jalgaon).

835. ***Eublemma parva*** (Huebner)

[1808]. *Noctua parva* Huebner, *Eur. Schmett. Noc.,* f. 356.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai). *Elsewhere*: Europe.

836. ***Lacera noctilio*** (Fabricius)

1794. *Noctua noctilio* Fabricius, *Ent. Syst.*, **3**(2): 12.

Source: Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Nashik).

Elsewhere: Indo-Australian tropics east to Samoa, Marianas, New Caledonia, Tonga, Western Carolines.

837. ***Lacera procellosa*** Butler

1879. *Lacera procellosa* Butler, *Ann. Mag. Nat. Hist.*, **4**(5): 368.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Jalgaon, Nandurbar). *Elsewhere*: Cambodia, Indonesia, Japan, Korea, Nepal, New Guinea, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam.

838. ***Eudocima phalonia*** (Linnaeus)

1763. *Phalaena phalonia* Linnaeus, *Cent. Ins. rariorum*: 28.

Source: Gurule *et al.* (2011).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar). *Elsewhere*: Old World tropics and subtropics, New Zealand.

839. ***Speiredonia mutabilis*** Fabricius

1794. *Noctua mutabilis* Fabricius, *Ent. Syst.*, **3**(2): 12.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Nandurbar). *Elsewhere*: Fiji, Indo-Australian tropics east to Australia, New Caledonia, Tonga.

840. ***Tathorhynchus exsiccata*** Lederer

1855. *Spintherops exsiccata* Lederer, *Verh Zool. Bot. Ges. Wien.* : 204.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Nandurbar). *Elsewhere*: Africa, Argentina, Canary Islands.

841. ***Anomis flava*** (Fabricius)

1775. *Noctua flava* Fabricius, *Syst. Ent.* : 601.

Source: Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Andaman and Nicobar Islands, Maharashtra (Nashik, Dhule, Nandurbar). *Elsewhere*: Australia, China, Hawaii, New Zealand, Thailand.

842. ***Trachea c.f. auriplena*** (Walker)

1857. *Eurois auriplena* Walker, *Wlk. Cat.*, **11**: 557.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Throughout India including Himachal Pradesh, Maharashtra (Satara). *Elsewhere*: Sri Lanka.

843. ***Noctua c.f. orbona*** (Hufnagel)

1766. *Phalaena orbona* Hufnagel, *Berlin. Mag.,* **3**(3): 304.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Europe.

844. ***Xestia semiherbida*** (Walker)

1857. *Triphaena semiherbida* Walker, *List specs. Lep. Ins. Brit. Mus.*, **11**: 743.

Source: Shubhalaxmi *et al.* (2011), Sekhon (2015).

Distribution: India: Himachal Pradesh, Maharashtra (Pune), Sikkim. *Elsewhere*: Taiwan.

845. ***Matopo selecta*** (Walker)

1865. *Xylophasia selecta* Walker, *Wlk. Cat.*, **32**: 646.

Source: Moore (1881).

Distribution: India: Maharashtra (Mumbai).

846. ***Calpe indecisa*** Moore

1881. *Culasta indecisa* Moore, *Proc. Zool. Soc. London*, **1881**: 377.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai).

847. ***Caradrina bremusa*** (Swinhoe)

1885. *Caradrina bremusa* Swinhoe, *Proc. Zool. Soc. London,* **1885**: 451.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune), Tamil Nadu.

848. ***Caradrina furtiva*** (Swinhoe)

1885. *Axylia furtiva* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 448.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune), Tamil Nadu.

849. ***Athetis fasciata*** (Moore)

1867. *Graphiphora fasciata* Moore, *Proc. Zool. Soc. London,* **1867**: 54.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai), Sikkim.

850. ***Athetis delecta*** (Moore)

1881. *Caradrina delecta* Moore, *Proc. Zool. Soc. London*, **1881**: 349.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: China, Nepal.

851. ***Athetis thoracica*** (Moore)

1884. *Radinacra thoracica* Moore, *Lep. Ceylon*, **3**: 31.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Nandurbar, Dhule, Jalgaon). *Elsewhere*: Indo-Australian and Pacific tropics.

852. ***Catada suffuscalis*** (Swinhoe)

1886. *Nephopteryx suffuscalis* Swinhoe, *Proc. Zool. Soc. London,* **1886**: 460.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai, Pune), Uttar Pradesh.

853. ***Melanephia nigrescens*** (Wallengren)

1856. *Anophia nigrescens* Wallengren, *Anteckningar Zool.*, **1**: 64.

Source: Hampson (1894).

Distribution: India: Maharashtra (Alibag, Mumbai). *Elsewhere*: Africa.

854. ***Tandilia rodea*** (Schaus)

1898. *Leucania rodea* Schaus, *Trans. Amer. Entomol. Soc.,* **21**: 232.

Source: Gurule *et al.* (2011).

Distribution: India: Maharashtra (Jalgaon).

855. ***Anisoneura salebrosa*** Guenee

1852. *Anisoneura salebrosa* Guenee, *Hist. Nat. Ins., Spec. Gen. Lep. (Noct. 3),* **7**: 161.

Source: Cotes & Swinhoe (1887), Hampson (1894), Holloway (1989).

Distribution: India: Maharashtra (Pune). *Elsewhere*: Bangladesh, Indonesia, Malaysia, Taiwan, Thailand, Vietnam.

856. ***Anisoneura aluco*** (Fabricius)

1775. *Noctua aluco* Fabricius, *Syst. Ent.* : 591.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Pune, Satara, Nashik). *Elsewhere*: Australia, China, Indonesia, Malaysia, Myanmar.

857. ***Bocula xanthostola*** Hampson

1926. *Bocula xanthostola* Hampson, *Descr. Gen. Spec. Noct.*: 227.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Satara). *Elsewhere*: Indonesia, Malaysia, Sri Lanka.

858. ***Chrysopera combinans*** (Walker)

1858. *Achaea combinans* Walker, *List Spec. Lep. Ins. Coll. Brit. Mus.*, **14**: 1399.

Source: Hampson (1894), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Pune, Satara, Nashik, Dhule), North Western Himalayas, Peninsular India. *Elsewhere*: Australia, China, Indonesia, Malaysia, Nepal, Sri Lanka, Thailand.

859. ***Episparis liturata*** (Fabricius)

1787. *Phalaena liturata* Fabricius, *Mant.,* **2**: 197.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Pune). *Elsewhere*: China, Myanmar, Sri Lanka, Thailand.

860. ***Saalmuellerana media*** (Walker)

1857. *Hadena media* Walker, *Wlk. Cat.*, **11**: 756.

Source: Swinhoe (1885).

Distribution: India: Maharashtra (Pune).

861. ***Argyrothripa occulta*** (Swinhoe)

1885. *Selepa occulta* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 461.

Source: Hampson (1894).

Distribution: India: Maharashtra (Pune).

862. ***Midea rectalis*** Walker

1863. *Midea rectalis* Walker, *Cat. Lep.*, **27**: 21.

Source: Hampson (1894), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai), Punjab, Tamil Nadu. *Elsewhere*: Australia, China, Indonesia, Malaya, Malaysia, Nepal, New Guinea, Sri Lanka.

863. ***Aucha nectens*** (Walker)

1858. *Triphaena nectens* Walker, *Wlk. Cat.,* **15**: 1704.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai).

864. ***Tephriopis divulsa*** (Walker)

1865. *Athyrma divulsa* Walker, *List Specs. Lep. Ins. Coll. Brit. Mus.*, **33**: 966.

Source: Hampson (1894), Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Mumbai, Satara), Kerala. *Elsewhere*: Indonesia, Malaysia Myanmar, Thailand.

865. ***Anoba sinuata*** (Fabricius)

1775. *Noctua sinuata* Fabricius, *Syst. Ent.* p. 611.

Source: Hampson (1894).

Distribution: India: Himachal Pradesh, Maharashtra (Mumbai), Sikkim. *Elsewhere*: Africa, Sri Lanka.

866. ***Anoba pectinata*** (Hampson)

1896. *Baniana pectinata* Hampson, *Fauna Brit. India, Moths* **4**: 533.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Maharashtra (Sindhudurg). *Elsewhere*: China, Indonesia, Malaysia, Sri Lanka.

867. ***Beara dichromella*** Walker

1866. *Beara dichromella* Walker, *List Specs. Lep. Ins. Coll. Brit. Mus.* **35**: 1703.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai), Tamil Nadu.

868. ***Basilica chrysosticta*** (Hampson)

1896. *Basilodes chrysosticta* Hampson, *Fauna Brit. India*, **4**: 535.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai).

869. ***Blenina metascia*** Hampson

1914. *Blenina metascia* Hampson, *Ann. Nat. Hist.*, **13**: 220.

Source: Hampson (1914).

Distribution: India: Maharashtra (Mumbai).

870. ***Blenina lucretia*** (Dalman)

1823. *Noctua lucretia* Dalman, *Analecta Entomologica*: 52.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik).

871. ***Blenina donans*** Walker

1857. *Blenina donans* Walker, *List Specs. Lep. Ins. Coll. Brit. Mus.*, **13**: 1215.

Source: Gurule & Nikam (2013).

Distribution: India: Maharashtra (Nashik, Nandurbar). *Elsewhere*: Sri Lanka.

872. ***Blenina accipiens*** Walker

[1858]. *Blenina accipiens* Walker, *Wlk. Cat.,* **13**: 1215.

Source: Cotes & Swinhoe (1887), Hampson (1894), Gurule & Nikam (2013).

Distribution: India: Throughout India including Maharashtra (Nashik). *Elsewhere*: Australia, Myanmar, Sri Lanka.

873. ***Trichoptya pallens*** (Moore)

1882. *Poaphila pallens* Moore, *Lep. Atk.* : 172.

Source: Hampson (1894).

Distribution: India: Maharashtra (Mumbai), Nagaland, Tamil Nadu.

874. ***Callyna siderea*** Guenee, 1852

1852. *Callyna sideria* Guenee, *Noct.*, **1**: 113.

Source: Hampson (1894), Cotes & Swinhoe (1887).

Distribution: India: North India including Himachal Pradesh, Maharashtra (Pune). *Elsewhere*: Bangladesh.

875. ***Callyna costiplaga*** Moore

1885. *Callyna costiplaga* Moore, *Lep. Ceylon*, **3**: 100.

Source: Hampson (1894), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Mumbai, Nashik, Jalgaon), Tamil Nadu.

876. ***Callyna monoleuca*** Walker

1858. *Callyna monoleuca* Walker, *Wlk. Cat.,* **15**: 1667.

Source: Shubhalaxmi *et al.* (2011).

Distribution: India: Assam, Himachal Pradesh, Karnataka, Maharashtra (Mumbai), Tamil Nadu. *Elsewhere*: China, Indonesia, Myanmar, New Guinea, Sri Lanka.

877. ***Callyna jugaria*** Walker

1858. *Callyna jugaria* Walker, *List Specs. Lep. Ins. Coll. Brit. Mus.*, **15**: 1809.

Source: Gurule *et al.* (2011).

Distribution: India: Throughout India including Andaman and Nicobar Islands, Maharashtra (Dhule, Nandurbar).

878. ***Polytela gloriosae*** Fabricius

1781. *Bombyx gloriosae* Fabricius, *Sp. Ins.,* **2**: 205.

Source: Shubhalaxmi *et al.* (2011), Gurule *et al.* (2011), Gurule & Nikam (2013).

Distribution: India: Maharashtra (Satara, Nashik, Dhule, Jalgaon, Nandurbar).

879. ***Acosmetia nigrescens*** Moore

1881. *Hypena nigrescens* Moore, *Proc. Zool. Soc. London,* **1881**: 350.

Source: Moore (1881).

Distribution: India: Maharashtra (Mumbai).

880. ***Arrade massalis*** Swinhoe

1885. *Arrade massalis* Swinhoe, *Proc. Zool. Soc. London*, **1885**: 866.

Source: Swinhoe (1886).

Distribution: India: Maharashtra (Mumbai).

881. ***Arrade ostentalis*** (Walker)

1863. *Ziza ostentalis* Walker, *Cat. Lep.*, **27**: 119.

Source: Hampson (1895).

Distribution: India: Maharashtra (Mumbai).

882. ***Pandesma quenavadi*** *Guenee*

1852. *Pandesma quenavadi Guenee, Noct*., **2**: 438.

Source: Cotes & Swinhoe (1887), Singh & Sekhon (2015).

Distribution: India: Himachal Pradesh, Karnataka, Maharashtra (Mumbai, Pune), Tamil Nadu. *Elsewhere*: Africa, Bangladesh, Pakistan.

Superfamily PAPILIONOIDEA Latreille, 1802

XLVI. Family PAPILIONIDAE Latreille, 1802

883. ****Graphium agamemnon*** (Linnaeus)

1758. *Papilio agamemnon* Linnaeus, *Syst. Nat. (Ed. X)*: 462.

2012. *Graphium agamemnon*: Sharma, *Fauna of Maharashtra*: 552.

Material examined: 2 exs., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Bihar, Chattisgarh, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Sindhudurg, Mumbai, Thane, Raigarh, Pune), Meghalaya, Odisha, West Bengal. *Elsewhere*: Australia, Bangladesh, Bhutan, Indonesia, Malyasia, Myanmar, Nepal, New Zealand, Singapore, Sri Lanka, Thailand.

884. ***Graphium doson*** (C. & R. Felder)

1864. *Papilio doson* C. & R. Felder, *Verh. Ges. Wien,* **14**(3): 305.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Ratnagiri, Sindhudurg, Thane, Raigarh, Mumbai, Pune), Meghalaya, Odisha, Punjab, Tripura, Uttarakhand, Uttar Pradesh, West Bengal. *Elsewhere*: Bhutan, Myanmar, Nepal, Sri Lanka.

885. ***Graphium nomius*** (Esper)

1799. *Papilio nomius* Esper, *Die Ausl. Schmett.*: 210.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Assam, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Mumbai, Ratnagiri, Sindhudurg, Thane, Raigarh, Pune), Tamil Nadu, West Bengal *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

886. ***Graphium sarpedon*** (Linnaeus)

1758. *Papilio sarpedon* Linnaeus, *Syst. Nat. (Ed. X)*, **1**: 461.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Karnataka, Kerala, Maharashtra (Nagpur and Amravati, MTR, Sindhudurg, Thane, Ratnagiri), Meghalaya, West Bengal, Tamil Nadu. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

887. ***Graphium antiphates*** (Cramer)

1775. *Papilio antiphates* Cramer, *Uitl. Kap.,* **1**(1-7): 113.

Source: Tiple (2011).

Distribution: India: Arunachal Pradesh, Karnataka, Kerala, Maharashtra (Nagpur), Meghalaya, Mizoram, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal.

888. ****Papilio demoleus*** Linnaeus

1758. *Papilio demoleus* Linnaeus, *Syst. Nat. (Ed. X)*: 464.
2012. *Papilio demoleus*: Sharma, *Fauna of Maharashtra*: 552.

Material examined:1 ex., Dimbhe Dam (Pune) (18°27.6′N, 74°16.8′E), 02.xi.2012, 1 ex., Bajreshwari temple (Thane) (19°29.21′N, 73°01.5′E), 23.x.2014, 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andhra Pradesh, Assam, Chhattisgarh, Gujarat, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Tamhini, Ratnagiri, Sindhudurg, Thane, Raigarh, Pune, Mumbai, Ahmadnagar), Manipur, Nagaland, Odisha, Tamil Nadu,Tripura, Uttar Pradesh, West Bengal. *Elsewhere*: Afghanistan, Australia, Bangladesh, Bhutan, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand.

889. ***Papilio clytia*** Linnaeus

1758. *Papilio clytia* Linnaeus, *Syst. Nat. (Ed. X),* **1**: 479.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Goa, Hyderabad, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Pench National Park, Ratnagiri, Sindhudurg, Satara, Mumbai, Thane, Pune, Raigarh), Manipur, Meghalaya, Tripura, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

890. ***Papilio polymnestor*** Cramer

1775. *Papilio polymnestor* Cramer, *Uitl. Kap.,* **1**(1-7): 83.

Source: Sharma (2012).

Distribution: India: Goa, Karnataka, Kerala, Maharashtra (Nagpur, Chandrapur Tadoba National Park, Tamhini, Sindhudurg, Ratnagiri, Kolhapur), West Bengal. *Elsewhere*: Myanmar, Sri Lanka.

891. ***Papilio polytes*** Linnaeus

1758. *Papilio polytes* Linnaeus, *Syst. Nat. (Ed. X)* **1**: 460.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Delhi, Gujarat, Karnataka, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Tamhini, Ratnagiri, Mumbai, Palghar, Mumbai, Sindhudurg , Raigarh , Thane, Pune), Odisha, Sikkim, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

892. ***Papilio paris*** Linnaeus

1758. *Papilio paris* Linnaeus, *Syst. Nat. (Ed. X)*, **1**: 459.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Goa, Karnataka, Maharashtra, Uttarakhand, throughout North east and South India. *Elsewhere*: Bangladesh, Myanmar.

893. ***Papilio crino*** Fabricius

1793. *Papilio crino* Fabricius, *Ent. Syst.,* **3**(1): 5.

Source: Tiple (2011).

Distribution: India: Andhra Pradesh, Karnataka, Kerala, Maharashtra (Nagpur), Tamil Nadu, West Bengal. *Elsewhere*: Sri Lanka.

894. ***Papilio helenus*** Linnaeus

1758. *Papilio helenus* Linnaeus, *Syst. Nat. (Ed. X)*, **1**: 459.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Karnataka, Kerala, Maharashtra (Tamhini, Sindhudurg, Ratnagiri, Satara), Meghalaya, Nagaland, Sikkim. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

895. ***Papilio liomedon*** Moore

1875. *Papilio liomedon* Moore, *Proc. Zool. Soc. London* (4): 575.

Source: Gasse (2013).

Distribution: India: Goa, Kerala, Maharshtra (Southern part).

Remarks: Endemic to Western Ghats.

896. ***Papilio dravidarum*** Wood-Mason

1880. *Papilio dravidarum* Wood-Mason, *Journ. Asiat. Soc. Bengal,* **49** Pt. II (3): 144.

Source: Gasse (2013).

Distribution: India: Goa, Kerala, Maharshtra (Southern part).

Remarks: Endemic to Western Ghats.

897. ***Papilio buddha*** Westwood

1872. *Papilio buddha* Westwood, *Trans. ent. Soc. London* (2): 86.

Source: Gasse (2013).

Distribution: India: Goa, Kerala, Maharshtra (Southern part).

Remarks: Endemic to Western Ghats.

898. ****Pachliopta aristolochiae*** (Fabricius)

1775. *Papilio aristolochiae* Fabricius, *Syst. Ent.*: 443.

2012. *Pachliopta aristolochiae*: Sharma, *Fauna of Maharashtra*: 552.

Material examined: 2 exs., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Gujarat, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Ratnagiri, Satara, Ahmadnagar, Sindhudurg, Raigarh, Mumbai, Thane), Meghalaya, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Celebs, China, Indonesia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Vietnam.

899. ***Pachliopta hector*** (Linnaeus)

1758. *Papilio hector* Linnaeus, *Syst. Nat. (Ed. X),* **1**: 459.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Hyderabad, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Tamhini, Ratnagiri, Solapur, Raigarh, Sindhudurg, Chandrapur), Odisha, Tamil Nadu. *Elsewhere*: Australia, Bangladesh, Myanmar, Sri Lanka.

900. ***Pachliopta pandiyana*** (Moore)

1881. *Papilio pandiyana* Moore, *Trans. Ent. Soc. London* (3): 313.

Source: Tiple (2011).

Distribution: India: Goa, Kerala, Maharashtra (MTR).

Remarks: Endemic to the Western Ghats.

901. ***Troides minos*** (Cramer)

1779. *Papilio minos* Cramer, *Uitl. Kap.,* **3**(17-21): 4.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Goa, Karnataka, Kerala, Maharashtra (Sindhudurg), Tamil Nadu.

Remarks: Endemic to Western Ghats.

XLVII. Family HESPERIIDAE Latreille, 1809

902. ****Taractrocera ceramas*** Hewitson

1868. *Cyclopides ceramas* Hewitson, *Descr. 100 new spec. Hesp.*: 43.

2012. *Taractrocera ceramas*: Sharma, *Fauna of Maharashtra*: 559.

Material examined: 2 exs., Sindhudurg (16°05.4′N, 73°74′E), 31.viii.2013, 1 ex., Sawantwadi (Majgaon) (16°22.5′N, 73°47.9′E), 31.viii.2013, Coll. B. Mitra & Party.

Distribution: India: Andhra Pradesh, Goa, Gujarat, Karnataka, Kerala, Maharashtra (Nagpur, Tamhini, Ratnagiri, Sindhudurg, Raigarh, Thane, Pune), Manipur, Tamil Nadu. *Elsewhere*: Myanmar.

903. ***Taractrocera maevius*** (Fabricius)

1793. *Hesperia maevius* Fabricius, *Ent. Syst.,* **3**(1): 352.

Source: Sharma (2012).

Distribution: India: Assam, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Solapur, Pune), Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Pakistan, Sri Lanka.

904. ***Telicota ancilla*** Herrich-Schaffer

1869. *Pamphila ancilla* Herrich-Schaffer, *Ent. Zeit. Stettin.* **30**: 79.

2012. *Telicota ancilla*: Sharma, *Fauna of Maharashtra*: 559.

Material examined: 1 ex., Ahmednagar (Aurangabad), 08.xii. 1997, Coll. S.G. Patil & Party.

Distribution: India: Assam, Central India, Maharashtra (Nagpur, Chandrapur), Odisha, Sikkim, South India, Uttarakhand. *Elsewhere*: Australia, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

905. ***Telicota colon*** (Fabricius)

1775. *Papilio colon* Fabricius, *Syst. Ent.*: 531.

Source: Sharma (2012).

Distribution: India: Chhattisgarh, Delhi, Gujarat, Madhya Pradesh, Maharashtra (Nagpur, Sindhudurg, Mumbai, Satara, Kolhapur), Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Pakistan, Sri Lanka.

906. ***Pelopidas agna*** (Moore)

1866. *Hesperia agna* Moore, *Proc. Zool. Soc. London* (3): 791.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Assam, Chhattisgarh, Gujarat Jammu and Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Thane, Sindhudurg, Satara), Odisha, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Pakistan, Sri Lanka.

907. ***Pelopidas conjuncta*** (Herrich-Schaffer)

1869. *Goniloba conjuncta* Herrich-Schaffer, *Corresp. Bl. Ver. Regensburg,* **23**(12): 195.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Gujarat, Jharkhand, Karnataka, Kerala, Maharashtra (Nagpur, Mumbai, Sindhudurg, Thane, Satara, Raigarh), Uttarakhand to North east India, West Bengal. *Elsewhere*: Myanmar, Sri Lanka.

908. ***Pelopidas subochracea*** (Moore)

1878. *Pamphila subochracea* Moore, *Proc. Zool. Soc. London* (3): 691.

Source: Tiple (2011).

Distribution: India: Bihar, Jharkhand, Kerala, Maharashtra (Nagpur, Chandrapur, Satara), Nagaland, Manipur, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Myanmar.

909. ***Pelopidas mathias*** Fabricius

1798. *Hesperia mathias* Fabricius, *Ent. Syst. Supp*: 433.

2012. *Pelopidas mathias*: Sharma, *Fauna of Maharashtra*: 559.

Material examined: 1 ex., Panchgani (Satara), 01.x.2001, Coll. P.H. Roy & Party.

Distribution:India: Andaman and Nicobar Islands, Assam, Jammu and Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Pune, Mumbai), Odisha, Punjab, Rajasthan, Tamil Nadu. *Elsewhere*: Africa, Arabia, Bangladesh, Bhutan, Indonesia, Malaysia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand.

910. ***Parnara guttatus*** Bremer & Grey

1852. *Eudamus guttatus* Bremer & Grey, *Motsch. Etud. Ent.,* **1**: 60.

2014. *Parnara guttatus*: Patwardhan, *Amb. Sci.,* **1**(1): 15.

Material examined: 1 ex., Bajreshwari temple (Thane) (19°29.21′N, 73°01.5′E), 23.x.2014, Coll. K. Chandra & Party.

Distribution: India: Assam, Delhi, Jammu and Kashmir, Maharashtra, Sikkim. *Elsewhere*: Australia, Bangladesh, Bhutan, China, Indonesia, Japan, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand.

911. ***Parnara naso*** (Fabricius)

1798. *Hesperia naso* Fabricius, *Ent. Syst. (Suppl.)*: 431.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Delhi, Maharashtra (Nagpur), Sikkim, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

912. ***Bibasis sena*** (Moore)

1866. *Goniloba sena* Moore, *Proc. Zool. Soc. London* (3): 778.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Kerala, Maharashtra (Ratnagiri, Raigarh, Thane, Kolhapur), Meghalaya, Uttarakhand, West Bengal. *Elsewhere*: Nepal, Pakistan.

913. ***Hasora chromus*** (Cramer)

1780. *Papilio chromus* Cramer, *Uitl. Kap.,* **3**(23-24): 163.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Gujarat, Karnataka, Kerala, Maharashtra (Nagpur, Chandrapur, Amravati, Thane, Mumbai, Ratnagiri, Raigarh, Pune, Satara), West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

914. ***Hasora badra*** (Moore)

1858. *Goniloba badra* Moore, in Horsfield & Moore, *Cat. lep. Ins. Mus. East India Coy,* **1**: 245.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Bihar, Kerala, Maharashtra (Amravati, Thane, Mumbai, Ratnagiri, Raigarh), Meghalaya, Odisha, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

915. ***Hasora taminatus*** (Huebner)

1818. *Coeliades taminatus* Huebner, *Zutrage Samml. exot. Schmett.,* **1**: 31.

Source: Tiple (2011).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Karnataka, Kerala, Maharashtra (Nagpur, Sindhudurg), Sikkim, West Bengal. *Elsewhere*: Myanmar, Sri Lanka.

916. ***Hasora vitta*** (Butler)

1870. *Hesperia vitta* Butler, *Trans. ent. Soc. London* (4): 498.

Source: Tiple (2011).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Arunachal Pradesh, Assam, Gujarat, Kerala, Maharashtra (Nagpur, Mumbai, Satara, Thane), Odisha, Sikkim. *Elsewhere*: Myanmar.

917. ***Badamia exclamationis*** (Fabricius)

1775. *Papilio exclamationis* Fabricius, *Syst. Ent.*: 530.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Assam, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Chandrapur, Sindhudurg, Mumbai, Ratnagiri, Thane, Pune), Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

918. ***Celaenorrhinus ambareesa*** (Moore)

1866. *Plesioneura ambareesa* Moore, *Proc. zool. Soc. London* (3): 788.

Source: Sharma (2012).

Distribution: India: Gujarat, Kerala (Thrissur, Idukki), Madhya Pradesh, Maharashtra (Thane, Sindhudurg, Raigarh, Mumbai, Satara, Pune), Tamil Nadu. *Elsewhere*: Sri Lanka.

919. ***Celaenorrhinus leucocera*** (Kollar)

1844. *Hesperia leucocera* Kollar, in Hugel, *Kaschmir und das Reich der Siek,* **4**: 454.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Goa, Gujarat, Kerala, Maharashtra (Nagpur, Amravati, Thane, Sindhudurg, Raigarh), Meghalaya, Odisha, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Pakistan, Myanmar.

920. ***Celaenorrhinus pulomaya*** (Moore)

1866. *Plesioneura pulomaya* Moore, *Proc. Zool. Soc. London* (3): 787.

Source: Tiple (2011).

Distribution: India: Arunachal Pradesh, Assam, Karnataka, Maharashtra, Nagaland, Sikkim, West Bengal. *Elsewhere*: West China.

921. ***Pseudocoladenia dan*** (Fabricius)

1787. *Papilio dan* Fabricius, *Mantissa Insectorum,* **2**: 88.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Gujarat, Karnataka, Kerala, Maharashtra (Nagpur). *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal.

922. ***Coladenia indrani*** (Moore)

1866. *Plesioneura indrani* Moore, *Proc. Zool. Soc. London* (3): 789.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Chhattisgarh, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Tamhini, Mumbai, Thane, Sindhudurg, Ratnagiri, Raigarh), Mizoram, Nagaland, Odisha, Sikkim, Tamil Nadu, Tripura, West Bengal. *Elsewhere*: Bhutan, Myanmar, Sri Lanka.

923. ***Sarangesa dasahara*** (Moore)

1866. *Sarangesa dasahara* Moore, *Proc. Zool. Soc. London* (3): 787.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Island, Andhra Pradesh, Arunachal Pradesh, Assam, Gujarat, Haryana, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Sindhudurg, Mumbai, Satara, Ratnagiri, Raigarh, Thane, Pune), Meghalaya, Odisha, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Sri Lanka.

924. ***Sarangesa purendra*** Moore

1882. *Sarangesa purendra* Moore, *Proc. Zool. Soc. London* (1): 262.

Source: Sharma (2012).

Distribution: India: Gujarat, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra (Amravati, Sindhudurg, Mumbai, Satara, Raigarh, Ratnagiri, Pune), Rajasthan, Tamil Nadu, Uttarakhand. *Elsewhere*: Nepal, Pakistan, Sri Lanka.

925. ***Tapena thwaitesi*** Moore

1881. *Tapena thwaitesi* Moore, *Lep. Ceylon,* **1**(4): 181.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Goa, Gujarat, Karnataka, Kerala, Maharashtra (Thane, Sindhudurg, Ratnagiri, Satara), Manipur, Tamil Nadu. *Elsewhere*: Sri Lanka.

926. ***Caprona ransonnetii*** (C. & R. Felder)

1868. *Pterygospidea ransonnetii* Felder, *Verh. Ges. Wien,* **18**(1-2): 284.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Chhattisgarh, Goa, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Sindhudurg, Ratnagiri, Thane, Mumbai, Raigarh, Amravati), Odisha, Uttarakhand. *Elsewhere*: Sri Lanka.

927. ***Caprona ransonnetii*** (C. & R. Felder)

1868. *Pterygospidea ransonnetii* Felder, *Verh. Ges. Wien,* **18**(1-2): 284.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Chhattisgarh, Goa, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Sindhudurg, Ratnagiri, Thane, Mumbai, Raigarh, Amravati), Odisha, Uttarakhand. *Elsewhere*: Sri Lanka.

928. ***Gomalia elma*** (Trimen)

1862. *Pyrgus elma* Trimen, *Trans. Ent. Soc. London,* (3) **1** (3): 288.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Pune, throughout Northern part), Tamil Nadu. *Elsewhere*: Pakistan, Sri Lanka.

929. ***Spialia galba*** (Fabricius)

1793. *Hesperia galba* Fabricius, *Ent. Syst.,* **3**(1): 352.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Assam, Gujarat, Himachal Pradesh, Jammu and Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Tamhini, Ratnagiri, Satara, Thane, Sindhudurg, Pune, Raigarh), Manipur, Mizoram, Odisha, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Myanmar, Nepal, Pakistan, Sri Lanka.

930. ***Ampittia dioscorides*** (Fabricius)

1793. *Hesperia dioscorides* Fabricius, *Ent. Syst.,* **3**(1): 329.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Goa, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Sindhudurg, Ratnagiri), Nagaland, Tamil Nadu, West Bengal. *Elsewhere*: Myanmar, Sri Lanka.

931. ***Halpe homolea*** (Hewitson)

1868. *Hesperia homolea* Hewitson, *Descr. One Hundred new Spec. Hesp.* (2): 29.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Goa, Karnataka, Maharashtra, Manipur, Meghalaya, Sikkim, Tamil Nadu. *Elsewhere*: Myanmar, Nepal.

932. ***Tagiades litigiosa*** Moschler

1878. *Tagiades litigiosa* Möschler, *Verh. Ges. Wien,* **28** (Abh.): 230.

Source: Sharma (2012).

Distribution: India: Assam, Karnataka, Kerala, Maharashtra (Tamhini, Sindhudurg, Ratnagiri, Satara, Kolhapur, Pune, Thane), Meghalaya, Mizoram, Sikkim, Tripura, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

933. ***Tagiades japetus*** (Stoll)

1781. *Papilio japetus* Stoll, in Cramer, *Uitl. Kap.,* **4**(29-31): 145.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra, Meghalaya, Mizoram, Sikkim, Tamil Nadu, Tripura, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

934. ***Tagiades gana*** (Moore)

1866. *Pterygospidea gana* Moore, *Proc. Zool. Soc. London* (3): 780.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Assam, Goa, Jharkhand, Karnataka, Kerala, Maharashtra (Sindhudurg, southern part), Meghalaya, Odisha, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal.

935. ***Udaspes folus*** (Cramer)

1775. *Papilio folus* Cramer, *Uitl. Kap.,* **1**(1-7): 118.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Gujarat, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Chandrapur, Tamhini, Ratnagiri, Mumbai, Raigarh, Thane, Sindhudurg, Pune), Odisha, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

936. ***Arnetta vindhiana*** (Moore)

1884. *Isoteinon vindhiana* Moore, *Proc. Zool. Soc. London* (4): 533.

Source: Tiple (2011).

Distribution: India: Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Thane, Satara, Raigarh, Mumbai, Sindhudurg, Pune, Amravati), Rajasthan, Tamil Nadu.

Remarks: Endemic to Western Ghats.

937. ***Iambrix salsala*** (Moore)

1866. *Nisoniades salsala* Moore, *Proc. Zool. Soc. London* (3): 786.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Goa, Gujarat, Karnataka, Kerala, Maharashtra (Amravati, Tamhini, Nagpur, Amravati, Sindhudurg, Ratnagiri, Mumbai, Raigarh, Thane, Pune, Kolhapur), Meghalaya, Mizoram, Nagaland, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

938. ***Notocrypta paralysos*** (Wood-Mason & de Niceville)

1881. *Plesioneura paralysos* Wood-Mason & de Niceville, *Proc. Asiat. Soc. Bengal*: 143.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar

Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra (southern part), Mizoram. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

939. ***Notocrypta curvifascia*** (Felder)

1862. *Plesioneura curvifascia* C.&R. Felder, *Wien. Ent. Monats.,* **6**(1): 29.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra (Ratnagiri, Sindhudurg, Satara, throughout southern part), Mizoram, Nagaland, Sikkim, Tripura, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal, Sri Lanka.

940. ***Suastus gremius*** (Fabricius)

1798. *Hesperia gremius* Fabricius, *Ent. Syst. (Suppl.)*: 433.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Chhattisgarh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Chandrapur, Buldhana, Ratnagiri, Thane, Solapur, Satara, Mumbai, Mumbai, Sindhudurg, Pune), Odisha, Sikkim, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

941. ***Gangara thyrsis*** (Fabricius)

1775. *Papilio thyrsis* Fabricius, *Syst. Ent.*: 532.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Assam, Delhi, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Ratnagiri, Mumbai, Raigarh), Sikkim, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

942. ***Matapa aria*** (Moore)

1866. *Ismene aria* Moore, *Proc. Zool. Soc. London* (3): 784.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Pradesh, Arunachal Pradesh, Assam, Delhi, Goa, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Chandrapur, Thane, Ratnagiri, Mumbai, Raigarh, Pune, Mumbai), Odisha, Sikkim, Tripura, Uttarkhand, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

943. ***Oriens goloides*** (Moore)

1881. *Padraona goloides* Moore, *Lep. Ceylon,* **1**(4): 171.

Source: Sharma (2012).

Distribution: India: Assam, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Chandrapur, Amravati, Sidhudurga, throughout Southern part), Meghalaya, Odisha, Sikkim, Tamil Nadu. *Elsewhere*: Bhutan, Myanmar, Nepal, Sri Lanka.

944. ***Potanthus pseudomaesa*** (Moore)

1881. *Padraona pseudomaesa* Moore, *Lep. Ceylon,* **1**(4): 170.

Source: Sharma (2012).

Distribution: India: Gujarat, Madhya Pradesh, Maharashtra (Nagpur), Rajasthan, throughout Southern India. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

945. ***Potanthus dara*** (Kollar)

1844. *Hesperia dara* Kollar, in Hugel, *Kaschmir und das Reich der Siek,* **4**: 455.

Source: Sharma (2012).

Distribution: India: Maharashtra, Uttarakhand. *Elsewhere*: Nepal, Pakistan.

946. ***Baoris farri*** (Moore)

1878. *Hesperia farri* Moore, *Proc. Zool. Soc. London,* (3): 688.

Source: Tiple (2011).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Satara), Mizoram, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Myanmar.

947. ***Borbo bevani*** (Moore)

1878. *Hesperia bevani* Moore, *Proc. Zool. Soc. London,* (3): 688.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Chhattisgarh, Gujarat, Kerala, Madhya Pradesh,

Maharashtra (Nagpur, Mumbai), Sikkim, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Pakistan.

948. ***Borbo cinnara*** (Wallace)

1866. *Hesperia cinnara* Wallace, *Proc. Zool. Soc. London* (2): 361.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Chhattisgarh, Himachal Pradesh, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Satara, Mumbai), Manipur, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal, Sri Lanka.

949. ***Caltoris canaraica*** (Moore)

1884. *Panara canaraica* Moore, *Proc. Zool. Soc. London* (4): 534.

Source: Tiple (2011).

Distribution: India: Goa, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Nagpur), Tamil Nadu.

Remarks: Endemic to India.

950. ***Caltoris kumara*** (Moore)

1878. *Hesperia kumara* Moore, *Proc. Zool. Soc. London* (3): 687.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Chhattisgarh, Gujarat, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Chandrapur, Sindhudurg, Satara, Thane, Mumbai), Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal.

951. ***Caltoris philippina*** (Herrich-Schiiffer)

1869. *Cobalus philippina* Herrich-Schaffer, *Corresp. Bl. Ver. Regensburg,* **23**(12): 201.

Source: Sharma (2012).

Distribution: India: Assam, Goa, Kerala, Maharashtra (Ratnagiri, Pune), Sikkim, Tamil Nadu. *Elsewhere*: Sri Lanka.

952. ***Caltoris canaraica*** (Moore)

1884. *Panara canaraica* Moore, *Proc. Zool. Soc. London* (4): 534.

Source: Tiple (2011).

Distribution: India: Goa, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Nagpur), Tamil Nadu.

Distribution: India: Arunachal Pradesh, Assam, Chhattisgarh, Gujarat, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Chandrapur, Sindhudurg, Satara, Thane, Mumbai), Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal.

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953. ****Catopsilia pomona*** (Fabricius)

1775. *Catopsilia pomona* Fabricius, *Syst. Ent.*: 479.

2012. *Catopsilia pomona*: Sharma, *Fauna of Maharashtra*: 552.

Material examined: 2 exs., Bhimashankar WLS (Pune) (19°07.8′N, 73°33.2′E), 02.xi.2012, 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Assam, Delhi, Goa, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini,Thane, Sindhudurg, Mumbai, Chandrapur, Pune), Tamil Nadu, Tripura, Uttar Pradesh, West Bengal. *Elsewhere*: Afghanistan, Australia, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

954. ****Catopsilia pyranthe*** (Linnaeus)

1758. *Catopsilia pyranthe* Linnaeus, *Syst. Nat.,* **I**: 469.

2012. *Catopsilia pyranthe*: Sharma, *Fauna of Maharashtra*: 552.

Material examined: 1 ex., Near Ajanta Caves (Aurangabad) (20°33.9′N, 75°43.4′E), 10.x.2014, 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Gujarat, Jharkhand, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur,

Wardha, Washim, Yavatmal, Tamhini, Solapur, Satara, Mumbai, Raigarh, Sindhudurg, Pune, Thane), Punjab, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Afghanistan, Australia, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

955. ***Catopsilia pyranthe florella*** (Fabricius)

1775. *Papilio florella* Fabricius, *Syst. Ent.*: 479.

Source: Wadatker & Kasamble (2008).

Distribution: India: Western Ghats including Maharashtra (Amravati, MTR, Raigad, Satara, Sindhudurg). *Elsewhere*: China, Madagascar (Africa), Myanmar, Sri Lanka.

956. ****Cepora nerissa*** (Fabricius)

1775. *Cepora nerissa* Fabricius, *Syst. Ent.*: 471.

2012. *Cepora nerissa*: Sharma, *Fauna of Maharashtra*: 552.

Material examined: 2 exs., Sangliwadi (Sangli) (16°57′N, 74°48′E), 06.xi.2012, Coll. B. Mitra & Party.

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh , Delhi, Karnataka, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Ratnagiri, Sindhudurg, Mumbai, Thane, Raigarh, Pune), Rajasthan, Sikkim, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Sulawesi, Thailand, Vietnam.

957. ***Cepora nadina*** (Lucas)

1852. *Pieris nadina* Lucas, *Revue Mag. Zool.* (**2**), **4**(7): 333.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Karnataka, Kerala, Maharashtra (Sindhudurg, Ratnagiri, Raigarh), Meghalaya, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

958. ****Colotis amata*** (Butler)

1775. *Papilio amatus* Fabricius, *Syst. Ent.*: 476.

2012. *Colotis amata*: Sharma, *Fauna of Maharashtra*: 553.

Material examined: 1 ex., Sindhudurg (16°03.6′N, 73°27.7′E), 31.viii.2013, Coll. B. Mitra & Party, 1 ex., Ambakerle (Kolhapur) (16°29.4′N, 74°11.4′E), 28.viii.2013, Coll. K. Chandra & B. Mitra.

Distribution: India: Andhra Pradesh, Delhi, Goa, Gujarat, Karnataka, Maharashtra (Nagpur, Buldhana, Ratnagiri, Thane, Satara, Mumbai, Sindhudurg, Raigarh), Odisha. *Elsewhere*: Africa, Arabia, Pakistan, Sri Lanka.

959. ***Colotis danae*** (Fabricius)

1775. *Papilio danae* Fabricius, *Syst. Ent.*: 476.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Satara, Nagpur, Amravati, Buldhana), Tamil Nadu. *Elsewhere*: Pakistan.

960. ***Colotis etrida*** (Boisduval)

1836. *Anthocharis etrida* Boisduval, *Hist. nat. Ins., Spec. gen. Lep.*, **1**: 576.

Source: Sharma (2012).

Distribution: India: Gujarat, Hyderabad, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Buldhana, Jalgaon, Pune, Satara), Rajasthan, Tamil Nadu. *Elsewhere*: Pakistan, Sri Lanka.

961. ***Colotis eucharis*** (Fabricius)

1775. *Papilio eucharis* Fabricius, *Syst. Ent.*: 472.

Source: Sharma (2012).

Distribution: India: Chhatigarh, Gujarat, Madhya Pradesh, Maharashtra (Buldhana, Tamhini), Sikkim. *Elsewhere*: Sri Lanka.

962. ***Colotis fausta*** (Olivier)

1804. *Papilio fausta* Olivier, *Voy. L'Emp. Othoman. Atl.*, **4** : 29.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Gujarat, Maharashtra (Buldhana, Pune), Tamil Nadu. *Elsewhere*: Afghanistan, Pakistan.

963. ****Delias eucharis*** (Drury)

1900. *Papilio eucharis* Drury, *Ill. Nat. Hist. Exot. Ins.* **2**: pl. 10, f. 5-6.

2012. *Delias eucharis*: Sharma, *Fauna of Maharashtra*: 552.

Material examined: 1 ex., Near Ajanta Caves (Aurangabad) (20°33.9′N, 75°43.4′E), 10.x.2014, 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andhra Pradesh, Gujarat, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Ratnagiri, Sindhudurg, Mumbai, Satara, Raigarh, Pune), Uttarakhand, West Bengal. *Elsewhere*: Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

964. ***Delias hyparete*** (Linnaeus)

1758. *Papilio hyparete* Linnaeus, *Syst. Nat. (Ed. X),* **1**: 469.

Source: Tiple (2011).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Maharashtra (Gadchiroli), West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal.

965. ****Eurema andersonii*** (Moore)

1886. *Terias andersonii* Moore, *Jour. Linn. Soc. London Zool.* **21**(1): 47.

2011. *Eurema andersonii*: Tiple, *Jour. Thr. Taxa,* **3**(1): 1471.

Material examined: 2 exs., Sangliwadi (Sangli) (16°57′N, 74°48′E), 06.xi.2012, Coll. B. Mitra & Party.

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Maharashtra (Nagpur), Meghalaya, Sikkim, Uttarakhand. *Elsewhere*: Bangladesh, Bhutan, Borneo, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Philippines, Sri Lanka, Sulawesi, Taiwan, Thailand, Vietnam.

966. ****Eurema blanda*** (Boisduval)

1836. *Eurema blanda* Boisduval, *Spec. Gen. Lep.,* **I**: 672.

2012. *Eurema blanda*: Sharma, *Fauna of Maharashtra*: 552.

Material examined: 1 ex., Bhimashankar WLS (Pune) (19°07.8′N, 73°33.2′E), 02.xi.2012, 1 ex., Koyna WLS (Satara) (17°24.2′N, 73°46.4′E), 04.xi.2012, Coll. K.Chandra & B. Mitra.

Distribution: India: Andhra Pradesh, Andman and Nicobar Islands, Arunachal Pradesh, Assam Karnataka,Maharashtra (Nagpur, Amravati, Chandrapur, Sindhudurg), Kerala, Meghalaya, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Nepal, Sri Lanka.

967. ****Eurema brigitta*** (Cramer)

1780. *Eurema brigitta* Cramer, *Pap. Exot.,* **IV**: 182.

2012. *Eurema brigitta*: Sharma, *Fauna of Maharashtra*: 552.

Material examined: 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, 1 ex., Ratnagiri (16°59.8′N, 73°18.8′E), 03.ix.2013, Coll. K. Chandra & Party.

Distribution: India: Andhra Pradesh, Karnataka, Kerala, Maharashtra (Sindhudurg, Solapur, Raigarh, Satara, Thane, Pune, Gadchiroli, Ratnagiri), Manipur, Tamil Nadu, Uttarakhand. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

968. ****Eurema hecabe*** (Linnaeus)

1758. *Eurema hecabe* Linnaeus, *Syst. Nat. (Ed. X),* 470.

2012. *Eurema hecabe*: Sharma, *Fauna of Maharashtra*: 552.

Material examined: 1 ex., Koyna WLS (Satara) (17°24.2′N, 73°46.4′E), 04.xi.2012, 3 exs., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, 2 exs., Near Ajanta Caves (Aurangabad) (20°33.9′N, 75°43.4′E), 10.x.2014, 1 ex., Triyambakeshwar (Nashik) (19°58.2′N, 73°40.9′E), 15.x.2014, Coll. K. Chandra & Party, 3 exs., Sindhudurg (16°03.6′N, 73°27.7′E), 31.viii.2013, 1 ex., Thiba Road (Ratnagiri) (16°59.8′N, 73°18.8′E), 03.ix. 2013, Coll. B. Mitra & Party.

Distribution: India: Andhra Pradesh, Assam, Karnataka, Madhya Pradesh, Maharashtra (Sindhudurg, Ratnagiri, Mumbai, Pune, Kolhapur, Thane), Kerala, Nagaland, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Africa, Australia, Bangladesh, Bhutan, China, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Taiwan, Thailand, Vietnam.

969. ***Eurema brigitta rubella*** (Wallace)

1867. *Terias rubella* Wallace, *Trans. Ent. Soc. London* (**3**), **4**(3): 323.

Source: Wadatker & Kasamble (2008).

Distribution: India: Hyderabad, Karnataka, Kerala, Maharashtra (Amravati, MTR), West Bengal.

Elsewhere: Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

970. ***Eurema laeta*** (Boisduval)

1836. *Terias laeta* Boisduval, *Hist. Nat. Ins., Spec. gen. Lep.,* **1**: 674.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Ratnagiri, Raigarh, Thane, Pune, Satara, Sindhudurg, Chandrapur)**,** Manipur, Meghalaya, Sikkim, Tamil Nadu, Uttarakhand. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

971. ***Leptosia nina*** (Fabricius)

1793. *Leptosia nina* Fabricius, *Ent. Syst.,* **3**(1): 194.

2012. *Leptosia nina*: Sharma, *Fauna of Maharashtra*: 552.

Material examined: 1 ex., Sindhudurg (15°49.3′N, 73°51.3′E), 31.viii. 2013, Coll. K. Chandra & Party.

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Gujarat, Karnataka, Maharashtra (Buldhana, Tamhini, Ratnagiri, Solapur, Sindhudurg, Satara, Thane, Mumbai), Kerala, Tamil Nadu, Tripura, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Taiwan, Thailand, Vietnam.

972. ***Pieris canidia*** (Linnaeus)

1768. *Papilio canidia* Linnaeus, in Sparrman, *Amoen. Acad.,* **7** (150).

Source: Padhye *et al.* (2006).

Distribution: India: Arunachal Pradesh, Assam, Himachal Pradesh, Kerala, Maharashtra (Amravati), Meghalaya (South Garo Hills, East Khasi Hills), Mizoram, Punjab, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan.

973. ***Belenois aurota*** (Fabricius)

1793. *Papilio aurota* Fabricius, *Ent. Syst.,* **3**(1): 197.

Source: Sharma (2012).

Distribution: India: Throughout India including Maharashtra (Tamhini, Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal) excepting North eastern states. *Elsewhere*: Afghanistan, Bangladesh, Nepal, Pakistan, Sri Lanka.

974. ***Appias libythea*** (Fabricius)

1775. *Papilio libythea* Fabricius, *Syst. Ent.*: 471, no. 120.

Source: Sharma (2012).

Distribution: India: Karnataka, Maharashtra (Nagpur, Thane, Mumbai, Raigarh, Pune), Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

975. ***Appias albina*** (Boisduval)

1836. *Pieris albina* Boisduval, *Hist. nat. Ins., Spec. gen. Lep.*, **1**: 480.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Ratnagiri, Thane, Mumbai), Meghalaya, Mizoram, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

976. ***Appias albina darada*** (Felder & Felder)

1865. *Pieris darada* C. & R. Felder, *Reise Fregatte Novara, Bd.,* **2** (Abth. 2)(2): 166.

Source: Wadatker & Kasamble (2008), Sharma (2012)..

Distribution: India: Maharashtra (Amravati, MTR). *Elsewhere*: China, Laos, Myanmar, Sri Lanka, Thailand, Vietnam.

977. ***Appias lyncida*** (Cramer)

1777. *Papilio lyncida* Cramer, *Uitl. Kap.,* **2**(9-16): 52.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Kerala, Maharashtra (Thane, Ratnagiri, Pune, Kolhapur, Mumbai), Meghalaya, Mizoram, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Sri Lanka.

978. ***Appias indra*** (Moore)

1857. *Pieris indra* Moore, *Proc. Zool. Soc. London* (333): 103.

Source: Sharma (2012).

Distribution: India: Goa, Karnataka, Kerala, Maharashtra (Sindhudurg, Satara, Thane, Mumbai), Meghalaya, Sikkim. *Elsewhere*: Bangladesh, Bhutan, Nepal, Myanmar.

979. ***Appias wardii*** (Moore)

1884. *Catophaga wardii* Moore, *Journ. Asiat. Soc. Bengal,* **53** Pt.II (1): 43.

Source: Gasse (2013).

Distribution: India: Goa, Kerala, Maharshtra (Southern part).

Remarks: Endemic to Western Ghats.

980. ***Hebomoia glaucippe*** (Linnaeus)

1758. *Papilio glaucippe* Linnaeus, *Syst. Nat. (Ed. X),* **1**: 469.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Karnataka, Kerala, Maharashtra (Amravati, Tamhini, Sindhudrg, Raigarh, Mumbai), Meghalaya, West Bengal. *Elsewhere*: Banladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

981. ***Ixias marianne*** (Cramer)

1779. *Papilio marianne* Cramer, *Uitl. Kap.,* **3**(17-21).

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Gujarat, Karnataka, Maharashtra (Nagpur, Amravati, Chandrapur, Tamhini, Solapur, Mumbai, Thane, Satara, Raigarh, Pune, Sindhudurg), Rajasthan, Tamil Nadu, Uttar Pradesh. *Elsewhere*: Bangladesh, Sri Lanka.

982. ***Ixias pyrene*** (Linnaeus)

1764. *Papilio pyrene* Linnaeus, *Mus. Lud. Ulr.*: 241.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Delhi, Gujarat, Karnataka, Maharashtra (Nagpur and Amravati Thane, Mumbai, Ratnagiri, Raigarh), Mizoram, Odisha, Sikkim, Uttar Pradesh, West Bengal. *Elsewhere:* Afghanistan, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

983. ***Pareronia valeria*** (Cramer)

1776. *Papilio valeria* Cramer, *Uitl. Kap.,* **1**(8): 133.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Buldhana, Chandrapur). *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Pakistan.

984. ***Prioneris sita*** (C. & R. Felder)

1865. *Pieris sita* C. & R. Felder, *Reise Fregatte Novara, Bd.,* **2** (Abth. 2) (2): 161.

Source: Sharma (2012).

Distribution: India: Goa, Kerala, Maharashtra (Southern part). *Elsewhere*: Sri Lanka.

XLIX. Family RIODINIDAE Grote, 1895

985. ***Abisara echerius*** (Stoll)

1790. *Papilio echerius* Stoll, *Aanhangsel Werk, Uitl. Kap.* (2-5): 140.

Source: Sharma (2012).

Distribution: India: Assam, Kerala, Maharashtra (Nagpur, Amravati, Tamhini), Manipur, Tamil Nadu. *Elsewhere*: Bangladesh, Bhutan, China, Myanmar, Nepal, Sri Lanka.

L. Family LYCAENIDAE Leach, 1815

986. ****Castalius rosimon*** (Fabricius)

1775. *Papilio rosimon* Fabricius, *Syst. Ent.*: 523.

2012. *Castalius rosimon*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 1 ex., Sindhudurg (16°03.9′N, 73°26.9′E), 31.viii.2013, Coll. B. Mitra & Party.

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Gujarat, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Ratnagiri, Mumbai, Satara, Thane, Raigarh, Sindhudurg, Kolhapur, Pune, Gadchiroli, Mumbai), Tamil Nadu, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Borneo, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Sulawesi, Thailand.

987. ***Leptotes plinius*** (Fabricius)

1793. *Hesperia plinius* Fabricius, *Ent. syst.,* **3**(1): 284.

2012. *Leptotes plinius*: Sharma, *Fauna of Maharashtra*: 556.

Material examined: 1 ex., Sangliwadi (Sangli) (16°57′N, 74°48′E), 06.xi.2012, Coll. B. Mitra & Party.

Distribution: India: Throughout India including Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal). *Elsewhere*: Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

988. ***Euchrysops cnejus*** (Fabricius)

1798. *Hesperia cnejns* Fabricius, *Ent. Syst. Suppl*: 430.

2012. *Euchrysops cnejus*: Sharma, *Fauna of Maharashtra*: 556.

Material examined: 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andhra Pradesh, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Ratnagiri, Thane, Sindhudurg, Mumbai, Sangli, Raigarh), Odisha, Punjab, Uttat Pradesh, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

989. ***Jamides celeno*** (Cramer)

1775. *Papilio celeno* Cramer, *Uitl. Kap.,* **1**(1-7): 51.

2012. *Jamides celeno*: Sharma, *Fauna of Maharashtra*: 556.

Material examined: 3 exs., Sindhudurg (16°03.6′N, 73°27.7′E), 31.viii.2013, Coll. B. Mitra & Party.

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Chhatisgarh, Gujarat, Jharkhand, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Tamhini), Uttarakhand, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Papua New Guinea, Philippines, Sri Lanka, Taiwan, Thailand.

990. ***Jamides alecto*** (C. & R. Felder)

1860. *Lycaena alecto* Felder, *Sber. Akad. Wiss. Wien,* **40**(11): 456.

Source: Tiple (2011).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Bihar, Chhattisgarh, Karnataka, Kerala, Maharashtra (Nagpur, Sindhudurg), Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal, Sri Lanka.

991. ***Jamides bochus*** (Stoll)

1782. *Papilio bochus* Stoll, in Cramer, *Uitl. Kap.,* **4**(32-32): 210.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Karnataka, Kerala, Maharashtra (Nagpur, Chandrapur, Tamhini, Ratnagiri, Raigarh, Sindhudurg, Satara, Thane, Gadchirolli, Mumbai, Pune), Manipur, Meghalaya, Mizoram, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

992. ***Spindasis vulcanus*** (Fabricius)

1775. *Papilio vulcanus* fabricius, *Syst. Ent.*: 519.

2012. *Spindasis vulcanus*: Sharma, *Fauna of Maharashtra*: 557.

Material examined: 2 exs., Sindhudurg (16°22.5′N, 73°47.5′E), 31.viii.2013, Coll. B. Mitra & Party.

Distribution: India: Andhra Pradesh, Delhi, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Thane, Sindhudurg, Mumbai, Ratnagiri, Raigarh, Solapur, Palghar, Pune), Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Nepal, Pakistan, Sri Lanka.

993. ***Spindasis abnormis*** (Moore)

1884. *Aphnaeus abnormis* Moore, *Proc. Zool. Soc. London* (4): 526.

Source: Sharma (2012).

Distribution: India: Goa, Kerala, Maharashtra.

Remarks: Gasse (2013) stated this species as very rare.

994. ***Spindasis elima*** (Moore)

1877. *Aphnaeus elima* Moore, *Ann. Mag. Nat. Hist.* (4), **20** (115): 51.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Gujarat, Jharkhand, Karnataka, Maharashtra (Nagpur), Meghalaya, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Nepal, Pakistan, Sri Lanka.

995. ***Spindasis ictis*** (Hewitson)

1865. *Aphnaeus ictis* Hewitson, *Ill. diurn. Lep. Lycaenidae* (2): 61.

Source: Sharma (2012).

Distribution: India: Bihar, Gujarat, Himachal Pradesh, Kerala, Maharashtra (Nagpur, Buldhana), Rajasthan, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Pakistan, Sri Lanka.

996. ***Spindasis lohita*** (Horsfield)

1829. *Amblypodia lohita* Horsfield, *Descr. Cat. Lep. Ins. Mus. East India Coy* (2): 106.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam Goa, Gujarat, Karnataka, Kerala, Maharashtra (Thane, Sindhudurg, Mumbai, Ratnagiri, Raigarh, Satara), Manipur, Meghalaya, Mizoram, Odisha, Sikkim, Tripura, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Sri Lanka, Myanmar.

997. ***Spindasis schistacea*** (Moore)

1881. *Aphnaeus schistacea* Moore, *Lep. Ceylon,* **1**(3): 106.

Source: Sharma (2012).

Distribution: India: Goa, Kerala, Maharashtra (Nagpur). *Elsewhere*: Myanmar, Nepal, Sri Lanka.

998. ****Rathinda amor*** Fabricius

1775. *Papilio amor* Fabricius, *Syst. Ent.* : 518.

2012. *Rathinda amor*: Sharma, *Fauna of Maharashtra*: 557.

Material examined: 1 ex., Sindhudurg (16°22.5′N, 73°47.9′E), 31.viii.2013, Coll. B. Mitra & Party.

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Gujarat, Jharkhand, Karnataka, Kerala, Maharashtra (Ratnagiri, Thane, Sindhudurg, Raigarh, Pune, Mumbai), Odisha, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Sri Lanka.

999. ***Spalgis epius*** (Westwood)

1852. *Lucia epius* Westwood, *Gen. Diurn. Lep.* (2): 502.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Assam, Gujarat, Maharashtra, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

1000. ***Caleta caleta*** (Hewitson)

1876. *Lycaena caleta* Hewitson, *Ill. Exot. Butts.* [5] (Lycaena): [69].

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Assam, Bihar, Chhattisgarh, Goa, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Thane, Ratnagiri, Sindhudrg, Satara, Mumbai, Tamhini, Raigarh), Meghalaya, Odisha, Tamil Nadu, Tripura, West Bengal. *Elsewhere*: Bhutan, Myanmar, Nepal, Sri Lanka, Sulawesi.

1001. ***Discolampa ethion*** (Westwood)

1851. *Lycaena ethion* Westwood, *Gen. Diurn. Lep.* (2): 490.

Source: Sharma (2012).

Distribution: India: Gujarat, Karnataka, Kerala, Maharashtra (Sindhudurg), Mizoram, Tripura, Uttarkhand. *Elsewhere*: Bangladesh, Myanmar, Philippines, Sri Lanka, Sulawesi, Thailand, Vietnam.

1002. ***Talicada nyseus*** (Guerin-Meneville)

1843. *Polyommatus nyseus* Guerin-Meneville, in Delessert, *Souvenirs Voy. Inde* (2): 78.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Goa, Jammu and Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Tamhini, Sindhudurg, Thane, Sangli, Pune, Mumbai), Mizoram, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Myanmar, Sri Lanka, Thailand, Vietnam.

1003. ***Tarucus ananda*** (de Niceville)

1884. *Castalius ananda* de Niceville, *Journ. Asiat. Soc. Bengal* **52** Pt.II (2/4): 74.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Goa, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, MTR, Sindhudurg, Kolhapur, Raigarh, Thane), Mizoram, Odisha, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal.

1004. ***Tarucus nara*** (Kollar)

1848. *Lycaena nara* Kollar, in Hugel, *Kaschmir und das Reich der Siek,* **4**: 421.

Source: Sharma (2012).

Distribution: India: Himachal Pradesh, Madhya Pradesh, Maharashtra, Sikkim, West Bengal. *Elsewhere*: Nepal, Pakistan, Sri Lanka.

1005. ***Tarucus callinara*** Butler

1886. *Tarucus callinara* Butler, *Ann. Mag. Nat. Hist.,* (5), **18** (105): 185.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Chhattisgarh, Delhi, Goa, Himachal Pradesh, Jharkhand, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Sikkim, Tripura, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka, Thailand.

1006. ***Tarucus indica*** Evans

1932. *Tarucus theophrastus indica* Evans, *Indian Butterflies* (edn. 2): 216.

Source: Sharma (2012).

Distribution: India: Bihar, Chhattisgarh, Delhi, Gujarat, Jharkhand, Karnataka, Maharshtra, Rajasthan, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Pakistan.

1007. ***Azanus jesous*** (Guerin- Meneville)

1849. *Polyommatus jesous* Guerin-Meneville, *Voy. Abyssinie*: 383.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Delhi, Gujarat, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, MTR, Solapur, Satara), Odisha, Rajasthan, Tamil Nadu, Uttar Pradesh. *Elsewhere*: Bangladesh, Bhutan, Middle East, Morocco, Myanmar, Nepal, Pakistan, Sri Lanka.

1008. ***Azanus ubaldus*** (Stoll)

1782. *Papilio ubaldus* Stoll, in Cramer, *Uitl. Kap.,* **4** (32-32): 209.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Bihar, Delhi, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Buldhana, Satara, Thane, Ratnagiri, Pune, Mumbai), Rajasthan, Uttar Pradesh, Uttarakhand. *Elsewhere*: Bhutan, Middle East, Myanmar, Pakistan, Sri Lanka.

1009. ***Azanus uranus*** Butler

1886. *Azanus uranus* Butler, *Proc. zool. Soc. London* (3): 366.

Source: Tiple (2011).

Distribution: India: Bihar, Delhi, Gujarat, Maharashtra (Nagpur, Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal), Rajasthan Uttarakhand, West Bengal. *Elsewhere*: Afghanistan, Nepal, Pakistan.

1010. ***Everes lacturnus*** (Godart)

1824. *Polyommatus lacturnus* Godart, *Encyclopedie Methodique,* **9**(2): 608, 660.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Assam, Bihar, Delhi, Gujarat, Karnataka, Kerala, Maharashtra (Nagpur, Satara, Thane, Mumbai, Raigarh, Gadchiroli, Pune), Meghalaya, Mizoram, Nagaland, Tamil Nadu, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand.

1011. ***Acytolepis puspa*** (Horsfield)

1828. *Polyommatus puspa* Horsfield, *Descr. Cat. lep. Ins. Mus. East India Coy*, (1): 67.

Source: Sharma (2012)

Distribution: India: Arunachal Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, MTR, Sindhudurg, Thane, Mumbai, Ratnagiri, Raigarh, Pune, Kolhapur, Palghar), Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Hong Kong, Malaysia, Myanmar, Pakistan, Sri Lanka, Thailand.

1012. ***Megisba malaya*** (Horsfield)

1828. *Lycaena malaya* Horsfield, *Descr. Cat. lep. Ins. Mus. East India Coy* (1): 70.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Maharashtra, Meghalaya, Mizoram, Sikkim, Tripura, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Malaysia, Myanmar, Nepal, Sri Lanka.

1013. ***Celastrina lavendularis*** (Moore)

1877. *Polyommatus lavendularis* Moore, *Ann. Mag. Nat. Hist.* (4) **20**(118): 341.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Karnataka, Kerala, Maharashtra (Nagpur, Chandrapur, Sindhudurg), Mizoram, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: Myanmar, Sri Lanka.

1014. ***Chilades lajus*** (Stoll)

1780. *Papilio lajus* Stoll, in Cramer, *Uitl. Kap.,* **4**(26b-28): 62.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Mumbai, Ratnagiri, Satara, Sindhudurg, Pune, Nashik), Manipur, Meghalaya, West Bengal. *Elsewhere*: Hong Kong, Myanmar, Sri Lanka, Taiwan.

1015. ***Chilades pandava*** (Horsfield)

1829. *Lycaena pandava* Horsfield, *Descr. Cat. lep. Ins. Mus. East India Coy*, (2): 84.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, throughout India including Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal). *Elsewhere*: Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, Pakistan, Philippines, Sri Lanka, Taiwan.

1016. ***Chilades parrhasius*** (Fabricius)

1793. *Hesperia parrhasius* Fabricius, *Ent. Syst.,* **3**(1): 289.

Source: Sharma (2012).

Distribution: India: Chhattisgarh, Delhi, Gujarat, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, MTR, Satara, Pune), Rajasthan, Tamil Nadu, Uttar Pradesh. *Elsewhere*: Afghanistan, Bangladesh, Myanmar, Pakistan, Sri Lanka.

1017. ***Chilades putli*** (Kollar)

1848. *Lycaena putli* Kollar, *Hug. Kaschm*., **4**(2): 422.

Source: Tiple (2011).

Distribution: India: Arunachal Pradesh, Gujarat, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra (Nagpur), Tamil Nadu. *Elsewhere*: Myanmar, Sri Lanka, Thailand.

1018. ***Chilades trochylus*** (Freyer)

1845. *Lycaena trochylus* Freyer, *Neuere Beitr. Schmett.,* **5**: 98.

Source: Sharma (2012).

Distribution: India: Karnataka, Kerala, Himachal Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal), Tamil Nadu, Uttarakhand. *Elsewhere*: Ghana, Oman, Saudi Arabia, Senegal, South Africa.

1019. ***Zizeeria karsandra*** (Moore)

1865. *Polyommatus karsandra* Moore, *Proc. zool. Soc. London* (2): 505.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Jammu and Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Pune, Thane, Satara, Raigarh, Sindhudurg, Mumbai), Punjab, Uttarakhand, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Indonesia, Malaysia, Myanmar, Pakistan, Sri Lanka, Thailand.

1020. ***Zizina otis*** (Fabricius)

1787. *Papilio otis* Fabricius, *Mantissa Insectorum,* **2**: 73.

Source: Sharma (2012).

Distribution: India: Throughout India including Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal). *Elsewhere*: Bangladesh, Bhutan, Indonesia, Malaysia, Myanmar, Pakistan, Philippines, Sri Lanka, Thailand.

1021. ***Psuedozizeeria maha*** (Kollar)

1844. *Lycaena maha* Kollar, in Hugel, *Kaschmir und das Reich der Siek,* **4**: 422.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Karnatka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Chandrapur, Buldhana, MTR, Satara, Pune), Mizoram, Punjab, Sikkim, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, China, Iran, Japan, Korea, Nepal, Pakistan.

1022. ***Zizula hylax*** (Fabricius)

1775. *Papilio hylax* Fabricius, *Syst. Ent.*: 526.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Goa, Gujarat, Karnataka, Kerala, Madhya Pradesh , Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Thane, Sindhudurg, Mumbai, Satara, Gadchiroli, Pune), Tamil Nadu, West Bengal. *Elsewhere*: Australia, Bangladesh, Bhutan, Japan, Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka.

1023. ***Anthene emolus*** (Godart)

1824. *Polyommatus emolus* Godart, *Encyclopedie Methodique,* **9**(2): 606.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Goa, Jharkhand, Karnataka, Kerala, Maharashtra (Nagpur), Meghalaya, Mizoram, Odisha, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Indonesia, Malaysia, Myanmar, Nepal, Singapore, Thailand.

1024. ***Anthene lycaenina*** (C. & R. Felder)

1868. *Pseudodipsas lycaenina* Felder, *Verh. Ges. Wien* **18**(1-2): 281.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Assam, Gujarat, Jharkhand, Karnataka, Kerala, Maharashtra (Nagpur, Ratnagiri, Sindhudurg, Satara, Kolhapur, Thane, Mumbai, Raigarh), Mizoram, Tamil Nadu, West Bengal. *Elsewhere*: Cambodia, Philippines, Sri Lanka, Thailand.

1025. ***Catochrysops strabo*** (Fabricius)

1793. *Hesperia strabo* Fabricius, *Ent. Syst.,* **3**(1): 287.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Island, Andhra Pradesh, Assam, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Ratnagiri, Sindhudurg, Satara, Mumbai, Chandrapur, Mumbai, Palghar, Gadchiroli, Thane, Pune), Meghalaya, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Australia, Bangladesh, China, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Taiwan.

1026. ***Lampides boeticus*** (Linnaeus)

1767. *Papilio boeticus* Linnaeus, *Syst. Nat. (Ed. XII),* **1**(2): 789.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Karnataka, Kerals, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Sindhudurg, Ratnagiri, Mumbai, Raigarh, Mumbai, Raigarh, Pune, Thane), Manipur, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

1027. ***Ionolyce helicon*** (C. & R. Felder)

1860. *Lycaena helicon* Felder, *Sber. Akad. Wiss. Wien,* **40**(11): 457.

Source: Tiple (2011).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Karnataka, Kerala, Maharshtra (Nagpur), Mizoram, Tamil Nadu. *Elsewhere*: Myanmar, Nepal, Sri Lanka.

1028. ***Nacaduba beroe*** (C. &R. Felder)

1865. *Lycaena beroe* C. & R. Felder, *Reise Fregatte Novara, Bd.,* **2** (Abth. 2) (2): 275.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Goa, Maharshtra (Nagpur, Sindhudurg, Satara), Meghalaya, Sikkim. *Elsewhere*: Myanmar, Sri Lanka.

1029. ***Nacaduba kurava*** (Moore)

1858. *Lycaena kurava* Moore, in Horsfield & Moore, *Cat. Lep. Ins. Mus. East India Coy,* **1**: 22.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Goa, Karnataka, Kerala, Maharashtra (Nagpur, Sindhudurg, Satara), West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1030. ***Nacaduba pactolus*** (Felder)

1860. *Lycaena pactolus* Felder, *Sber. Akad. Wiss. Wien,* **40**(11): 456.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Maharashtra (Kolhapur), Goa, Kerala, Karnataka, Mizoram. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1031. ***Nacaduba hermus*** (Felder)

1860. *Lycaena hermus* Felder, *Sber. Akad. Wiss. Wien,* **40**(11): 457.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Karnataka, Kerala, Maharashtra (Sindhudurg), Meghalaya. *Elsewhere*: Bangladesh, Myanmar, Nepal, Sri Lanka.

1032. ***Petrelaea dana*** (de Niceville)

1884. *Nacaduba dana* de Niceville, *Journ. Asiat. Soc. Bengal,* **52** Pt.II (2/4): 73.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Goa, Karnataka, Kerala, Maharashtra (Nagpur, Sindhudurg, Raigarh, Thane, Mumbai), Meghalaya, Mizoram, Tamil Nadu. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1033. ***Prosotas dubiosa*** (Semper)

1879. *Lampides dubiosa* Semper, *Journ. Mus. Godeffroy,* **5**(14): 159.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Gujrat, Karnataka, Maharashtra (Nagpur, Thane, Mumbai, Ratnagiri, Raigarh, Sindhudurg, Pune), Meghalaya, Odisha, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Pakistan, Sri Lanka.

1034. ***Prosotas nora*** (Felder)

1860. *Lycaena nora* Felder, *Sber. Akad. Wiss. Wien,* **40**(11): 458.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Goa, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Tamhini, Thane, Sindhudurg, Ratnagiri, Raigarh, Mumbai), Meghalaya, Mizoram, Nagaland, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Pakistan, Sri Lanka.

1035. ***Prosotas noreia*** (Felder)

1868. *Lycaena noreia* Felder, *Verh. zool.-bot. Ges. Wien,* **18**(1-2): 282.

Source: Gasse (2013).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Goa, Kerala, Madhya Pradesh, Maharashtra (Northern part), Nagaland, Tamil Nadu, Uttarakhand. *Elsewhere*: Myanmar, Sri Lanka.

1036. ***Bindahara phocides*** (Fabricius)

1793. *Hesperia phocides* Fabricius, *Ent. Syst.,* **3**(1): 282.

Source: Gasse (2013).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh to North east India, Goa, Kerala, Maharashtra (Southern part), Sikkim. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1037. ***Amblypodia anita*** (Hewitson)

1862. *Amblypodia anita* Hewitson, *Spec. Cat. Lep. Lyc. Brit. Mus.,* 14.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Thane, Sindhudurg, Ratnagiri, Mumbai, Raigarh, Gadchiroli), Manipur, Odisha, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1038. ***Arhopala amantes*** (Hewitson)

1862. *Amblypodia amantes* Hewitson, *Spec. Cat. Lep. Lyc. B. M.*: 4.

Source: Sharma (2012).

Distribution: India: Karnataka, Maharashtra (Nagpur, Amravati, Chandrapur, Thane, Sindhudurg, Ratnagiri, Mumbai), Odisha, Tamil Nadu. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1039. ***Arhopala pseudocentaurus*** (Doubleday)

1847. *Amblypodia pseudocentaurus* Doubleday, *List Spec. lep. Ins. B.M.,* **2**: 24.

Source: Sharma (2012).

Distribution: India: Assam, Arunachal Pradesh, Andaman and Nicobar Islands, Maharashtra (Amravati), Sikkim, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1040. ***Arhorpala abseus*** (Hewitson)

1862. *Amblypodia abseus* Hewitson, *Spec. Cat. Lep. Lyc. B. M.*: 9.

Source: Sharma (2012).

Distribution: India: Karnataka, Maharashtra, Meghalaya, Sikkim, West Bengal. *Elsewhere*: Myanmar, Sri Lanka.

1041. ***Arhopala atrax*** (Hewitson)

1862. *Amblypodia atrax* Hewitson, *Spec. Cat. Lep. Lyc. B. M.*: 13.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Chattisgarh, Himachal Pradesh, Jharkhand, Madhya Pradesh, Maharashtra, Odisha, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Pakistan.

1042. ***Thaduka multicaudata*** Moore

1878. *Thaduka multicaudata* Moore, *Proc. zool. Soc. London* (4): 836.

Source: Sharma (2012).

Distribution: India: Goa, Kerala, Maharashtra. *Elsewhere*: Myanmar.

1043. ***Surendra quercetorum*** (Moore)

1858. *Amblypodia quercetorum* Moore, in Horsfield & Moore, *Cat. lep. Ins. Mus. East India Coy.,* **1**: 42.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Gujarat, Jharkhand, Kerala, Maharashtra (Chandrapur, Thane, Sindhudurg, Ratnagiri, Mumbai, Satara), Meghalaya, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1044. ***Iraota timoleon*** (Stoll)

1790. *Papilio timoleon* Stoll, *Aanhangsel Werk, Uitl. Kap.* (2-5): 146.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Gujarat, Jharkhand, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Chhattisgarh, Odisha, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1045. ***Apharitis lilacinus*** (Moore)

1884. *Aphnaeus lilacinus* Moore, *Journ. asiat. Soc. Bengal,* **53** Pt.II (1): 28.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra (Sindhudurg, Raigarh, Thane, Mumbai), Uttarakhand, West Bengal. *Elsewhere*: Myanmar, Thailand.

1046. ***Catapaecilma major*** Druce

1895. *Catapaecilma major* Druce, *Proc. zool. Soc. London* (3): 612.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Chhattisgarh, Goa, Karnataka, Kerala, Maharashtra (Thane, Sindhudurg, Mumbai, Satara), Nagaland, Odisha, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: Myanmar, Sri Lanka.

1047. ***Loxura atymnus*** (Stoll)

1780. *Papilio atymnus* Stoll, in Cramer, *Uitl. Kap.,* **4**(26b-28): 82.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Jharkhand, Karnataka, Kerala, Maharashtra (Ratnagiri, Thane, Sindhudurg, Raigarh, Mumbai, Kolhapur), Mizoram, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1048. ***Cheritra freja*** (Fabricius)

1793. *Hesperia freja* Fabricius, *Ent. Syst.,* **3**(1): 263.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra (Sindhudurg), Meghalaya, Mizoram, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1049. ***Horaga onyx*** (Moore)

1858. *Thecla onyx* Moore, in Horsfield & Moore, *Cat. Lep. Ins. Mus. East India Coy,* **1**: 30.

Source: Sharma (2012).

Distribution: India: Andaman and Nicoabar Islands, Arunachal Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra, Meghalaya, Nagaland, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1050. ***Zesius chrysomallus*** Huebner

1821. *Zesius chrysomallus* Huebner, *Zutrage Samml. Exot. Schmett.,* **2**: 20.

Source: Sharma (2012).

Distribution: India: Bihar, Gujarat, Jharkhand, Karnataka, Kerala, Maharashtra (Thane, Ratnagiri, Sindhudurg), Odisha, Uttarakhand, West Bengal. *Elsewhere*: Nepal, Sri Lanka.

1051. ***Ancema blanka*** (de Niceville)

1894. *Tajuria blanka* de Niceville, *Journ. Asiat. Soc. Bengal,* **63** Pt.II (1): 39.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Goa, Karanataka, Kerala, Maharashtra, Meghalaya, West Bengal. *Elsewhere*: Myanmar, Nepal.

1052. ***Pratapa deva*** (Moore)

1858. *Amblypodia deva* Moore, in Horsfield & Moore, *Cat. lep. Ins. Mus. East India Coy,* **1**: 46.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Kerala, Madhya Pradesh, Maharashtra (Ratnagiri, Raigarh), Odisha, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1053. ***Tajuria cippus*** (Fabricius)

1798. *Hesperia cippus* Fabricius, *Ent. Syst. (Suppl.)*: 429.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Bihar, Karnataka, Kerala, Maharashtra (Ratnagiri, Satara, Thane, Sindhudurg, Raigarh), Tamil Nadu, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

1054. ***Tajuria jehana*** Moore

1884. *Tajuria jehana* Moore, *Proc. Zool. Soc. London,* (4): 529.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Bihar, Chhattisgarh, Gujrat, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra (Satara, Thane), Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Sri Lanka.

1055. ***Hypolacaena othona*** Hewitson

1865. *Hypolycaena othona* Hewitson, *Ill. diurn. Lep. Lycaenidae* (2): 50.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Karnataka, Kerala, Maharashtra (Ratnagiri, Satara, Thane, Sindhudurg), Meghalaya, Odisha, West Bengal. *Elsewhere*: Bangladesh, Myanmar.

1056. ***Deudorix epijarbas*** (Moore)

1857. *Dipsas epijarbas* Moore, in Horsfield & Moore, *Cat. Lep. Ins. Mus. East India Coy,* **1**: 32.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Gujarat, Jharkhand, Maharashtra, Odisha, Sikkim, West Bengal. *Elsewhere*: Myanmar, Nepal, Pakistan, Sri Lanka.

1057. ***Deudorix perse*** Hewitson

1863. *Deudorix perse* Hewitson, *Ill. Diurn. Lep. Lycaenidae* (1): 18.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Gujarat, Karnataka, Maharashtra, Odisha. *Elsewhere*: Myanmar, Sri Lanka.

1058. ***Virachola isocrates*** (Fabricius)

1793. *Hesperia isocrates* Fabricius, *Ent. Syst.,* **3**(1): 266.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Mumbai, Ratnagiri, Satara, Thane, Sindhudurg, Kolhapur). *Elsewhere*: Myanmar, Nepal, Pakistan, Sri Lanka.

1059. ***Rapala iarbus*** (Fabricius)

1787. *Papilio iarbus* Fabricius, *Mantissa Insectorum,* **2**: 68.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Delhi, Gujarat, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Mumbai, Ratnagiri, Satara, Raigarh, Thane, Pune), Meghalaya, Rajasthan, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Pakistan, Sri Lanka.

1060. ***Rapala manea*** (Hewitson)

1863. *Deudorix manea* Hewitson, *Ill. Diurn. Lep. Lycaenidae* (1): 23.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Goa, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Mumbai, Ratnagiri, Satara, Sindhudurg, Raigarh, Thane, Pune), Sikkim, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

1061. ***Rapala varuna*** (Horsfield)

1829. *Thecla varuna* Horsfield, *Descr. Cat. Lep. Ins. Mus. East India Coy*, (2): 91.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Jharkhand, Karnataka, Kerala, Maharashtra (Mumbai, Ratnagiri, Satara, Sindhudurg), Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Nepal, Sri Lanka.

1062. ***Curetis thetis*** (Drury)

1773. *Papilio thetis* Drury, *Ill. Nat. Hist. Exot. Ins.,* **2**: index, 16.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Goa, Gujrat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Thane, Mumbai, Ratnagiri, Satara), Odisha, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Sri Lanka.

LI. Family NYMPHALIDAE Rafinesque, 1815

1063. ****Danaus chrysippus*** (Linnaeus)

1758. *Papilio chrysippus* Linnaeus, *Syst. Nat. (Ed. X),*: 471.

2012. *Danaus chrysippus*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 1 ex., Sangliwadi (Sangli) (16°57′N, 74°48′E), 06.xi.2012, 2 exs., Dimbhe Dam (Pune) (18°31.2′N, 73°52.2′E), 02.xi.2012, 1 ex., Koyna WLS (Satara) (17°24.2′N, 73°46.4′E), 04.xi.2013, 2 exs., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, 2 exs., Near Ajanta Caves (Aurangabad) (20°33.9′N, 75°43.4′E), 10.x.2014, Coll. K. Chandra & Party, 1 ex., Thiba Road (Ratnagiri) (16°59.8′N, 73°18.8′E), 03.ix,2013, Coll. B. Mitra & Party.

Distribution: India: Andhra Pradesh, Assam, Delhi, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Ratnagiri, Mumbai, Raigarh, Sangli, Pune, Sindhudurg, Thane), Manipur, Meghalaya, Punjab, Uttar Pradesh, West Bengal. *Elsewhere*: Afghanistan, Africa, Australia, Bangladesh, Bhutan, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand, Vietnam.

1064. ***Danaus genutia*** (Cramer)

1779. *Papilio genutia* Cramer, *Pap. Exot.,* **3**: 23.

2012. *Danaus genutia*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, 1 ex., Near Ajanta Caves (Aurangabad) (20°33.9′N, 75°43.4′E), 10.x.2014, Coll. K.Chandra & Party.

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra (Solapur,Thane, Satara, Mumbai, Gadchiroli, Pune, Sindhudurg, Ratnagiri), Manipur, Meghalaya, Sikkim, Telangana, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Australia, Bangladesh, Bhutan, Borneo, China, Indonesia, Malaysia, Myanmar, Nepal, New Guinea, Pakistan, Sri Lanka, Thailand.

1065. ***Parantica aglea*** (Stoll)

1781. *Papilio aglea* Stoll, *Pap. Exot.,* **4**: 377.

2012. *Parantica aglea*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 3 exs., Dimbhe Dam (Pune) (18°31.2′N, 73°52.2′E), 02.xi.2012, 1 ex., Koyna WLS (Satara) (17°24.2′N, 73°46.4′E), 04.xi.2012, Coll. K.Chandra & B. Mitra, 1 ex., Thiba Road (Ratnagiri) (16°59.8′N, 73°18.8′E), 03.ix.2013, Coll. B. Mitra & Party.

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Ratnagiri, Sindhudurg, Mumbai, Satara, Kolhapur), Meghalaya, Odisha, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Cambodia, China, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Taiwan, Thailand, Vietnam.

1066. ***Parantica aglea*** (Stoll)

1781. *Papilio aglea* Stoll, *Pap. Exot.,* **4**: 377.

2012. *Parantica aglea*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 3 exs., Dimbhe Dam (Pune) (18°31.2′N, 73°52.2′E), 02.xi.2012, 1 ex., Koyna WLS (Satara) (17°24.2′N, 73°46.4′E), 04.xi.2012, Coll. K. Chandra & B. Mitra, 1 ex., Thiba Road (Ratnagiri) (16°59.8′N, 73°18.8′E), 03.ix.2013, Coll. B. Mitra & Party.

Distribution: India : Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Ratnagiri, Sindhudurg, Mumbai, Satara, Kolhapur), Meghalaya, Odisha, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Cambodia, China, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Taiwan, Thailand, Vietnam.

1067. ***Tirumala limniace*** (Cramer)

1775. *Papilio limniace* Cramer, *Pap. Exot.,* **1**: 92.

2012. *Tirumala limniace*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 1 ex., Dimbhe Dam (Pune) (18°31.2′N, 73°52.2′E), 02.xi.2012, 1 ex., Matheran (Raigarh) (19°00.1′N, 73°16.9′E), 14.x.2014, 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, 1 ex., Near Bajreshwari temple (Thane) (19°29.21′N, 73°01.5′E), 23.x.2014, Coll. K. Chandra & Party.

Distribution: India: Delhi, Gujarat, Karnataka, Kerala, Maharashtra (Satara, Mumbai, Raigarh, Pune, Sindhudurg, Thane), Meghalaya, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Indonesia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Sulawesi, Thailand.

1068. ***Tirumala septentrionis*** (Butler)

1874. *Danais septentrionis* Butler, *Ent. mon. Mag.,* **11**: 163.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Buldhana, Ratnagiri, Sindhudurg, Thane, Mumbai, Raigarh), Manipur, Meghalaya, Mizoram, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

1069. ***Euploea core*** (Cramer)

1780. *Euploea core* Cramer, *Pap. Exot.,* **3**: 133.

2012. *Euploea core*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 1 ex., Sangliwadi (Sangli) (16°57′N, 74°48′E), 06.xi.2012, 2 exs., Koyna WLS (Satara) (17°24.2′N, 73°46.4′E), 04.xi.2012, 2 exs., Dimbhe Dam (Pune) (18°31.2′N, 73°52.2′E), 02.xi.2012, 2exs., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andhra Pradesh, Assam, Goa, Gujarat, Himachal Pradesh, Karnataka, Kerala,

Madhya Pradesh, Maharashtra (Pune, Sindhudurg, Ratnagiri, Raigarh, Mumbai,Thane, Satara, Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Tamhini), Tripura, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Australia, Bangladesh, Bhutan, Borneo, China, Indonesia, Myanmar, Nepal, New Guinea, Sri Lanka, Sulawesi.

1070. ***Euploea sylvester*** (Fabricius)

1793. *Papilio sylvester* Fabricius, *Ent. Syst.*, **3**(1): 41.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Karnataka, Kerala, Maharashtra (Sindhudurg), Meghalaya, Mizoram**,** Tamil Nadu**,** West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

1071. ***Euploea klugii*** Moore

1858. *Euploea klugii* Moore, in Horsfield & Moore, *Cat. Lep. Ins. Mus. East India Coy,* **1**: 130.

Source: Sharma (2012).

Distribution: India: Assam, Kerala, Maharashtra (Nagpur, Sindhudurg, Thane, Mumbai, Raigarh), Nagaland, Odisha, West Bengal. *Elsewhere*: Bhutan, Nepal, Myanmar, Sri Lanka.

1072. ***Elymnias hypermnestra*** (Linneaus)

1763. *Papilio hypermnestra* Linnaeus, *Amoen. Acad.,* **6**: 407.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Assam, Maharashtra (Mumbai, Raigarh), Mizoram, Sikkim, Tripura, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

1073. ****Lethe rohria*** (Fabricius)

1787. *Lethe rohria* Fabricius, *Mant. Ins.,* **2**: 45.

2012. *Lethe rohria*: Sharma, *Fauna of Maharashtra*: 553.

Material examined: 1 ex., Kaas Valley (Satara) (17°46.2′N, 74°24.2′E), 31.xi.2012, 1 ex., Bhimashankar WLS (Pune) (19°07.8′N, 73°33.2′E), 02.xi.2012, 1 ex., Koyna WLS (Satara) (17°24.2′N, 73°46.4′E), 04.xi.2012, Coll. K. Chandra & B. Mitra.

Distribution: India: Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Ratnagiri, Satara, Nashik, Sindhudurg, Raigarh, Pune), Nagaland, Uttarakhand. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

1074. ***Lethe drypetis*** (Hewitson)

1863. *Debis drypetis* Hewitson, *Ill. exot. Butts* [4] (Debis II-III): [36].

Source: Sharma (2012).

Distribution: India: Karnataka, Kerala, Maharashtra (Sindhudurg). *Elsewhere*: Sri Lanka.

1075. ***Lethe europa*** (Fabricius)

1775. *Papilio europa* Fabricius, *Syst. Ent.*: 500.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Ratnagiri, Thane, Mumbai), Meghalaya, Mizoram, West Bengal. *Elsewhere*: Bhutan, Myanmar, Nepal.

1076. ***Lethe confusa*** Aurivillius

1897. *Lethe confusa* Aurivillius, *Ent. Tidskr.,* **18** (3/4): 142.

Source: Wadatker & Kasamble (2008).

Distribution: India: Maharashtra (Amravati, MTR). *Elsewhere*: Bhutan, Myanmar, Nepal, Pakistan.

1077. ****Mycalesis mineus*** (Linnaeus)

1758. *Mycalesis mineus* Linnaeus, *Syst. Nat. (Ed. X)*, 471.

2012. *Mycalesis mineus*: Sharma, *Fauna of Maharashtra*: 553.

Material examined: 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll. K. Chandra & Party.

Distribution: India: Assam, Karnataka, Kerala, Maharashtra (Thane, Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal), Uttarakhand. *Elsewhere*: Bangladesh, Bhutan, China, Korea, Malaysia, Myanmar, Nepal, Philippines, Sabah, Sarawak, Singapore, Sri Lanka, Sulawesi, Taiwn, Thailand, Vietnam.

1078. ****Mycalesis perseus*** (Fabricius)

1775. *Mycalesis perseus* Fabricius, *Syst. Ent.*: 488.

2012. *Mycalesis perseus*: Sharma, *Fauna of Maharashtra*: 553.

Material examined: 1 ex., Sindhudurg (16°22.5′N, 73°47.9′E), 31.viii.2013, Coll. B. Mitra & Party.

Distribution: India: Andhra Pradesh, Karnataka, Maharashtra (Thane, Sindhudurg, Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Tamhini), Meghalaya. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

1079. ***Mycalesis patiana*** Eliot

1969. *Mycalesis patiana* Eliot, *Entomologist,* **102** (1279): 269.

Source: Sharma (2012).

Distribution: India: Maharashtra, South India. *Elsewhere*: Indonesia, Malaysia, Myanmar, Sri Lanka.

1080. ***Mycalesis subdita*** (Moore)

1890. *Calysisme subdita* Moore, *Lep. Indica,* **1**: 194.

Source: Tiple (2011).

Distribution: India: Karnataka, Maharashtra (Nagpur, Amravati, MTR). *Elsewhere*: Sri Lanka.

1081. ***Mycalesis visala*** Moore

1858. *Mycalesis visala* Moore, in Horsfield & Moore, *Cat. Lep. Ins. Mus. East India Coy,* **1**: 230.

Source: Tiple (2011).

Distribution: India: Arunachal Pradesh, Assam, Chhattisgarh, Karnataka, Maharashtra (Nagpur, Mumbai, Thane, Raigarh), Sikkim, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

1082. ****Melanitis leda*** (Linnaeus)

1758. *Melanitis leda* Linnaeus, *Syst. Nat. (Ed. X)*, 474.

2012. *Melanitis leda*: Sharma, *Fauna of Maharashtra*: 553.

Material examined: 1 ex., Bhor (Pune) (18°31.2′N, 73°52.2′E), 28.10.2012, 1 ex., Bajreshwari temple (Thane) (19°29.21′N, 73°01.5′E), 23.x.2014, 1 ex., Matheran (Raigarh) (19°00.1′N, 73°16.9′E), 17.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Kerala, Madhya Pradesh, Maharashtra (Ratnagiri, Mumbai, Pune, Raigarh, Gadchiroli, Thane, Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Tamhini) Karnataka, Meghalaya, Punjab, Sikkim, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Africa, Arabia, Australia, Bangladesh, Bhutan, Indonesia, Malyasia, Myanmar, Nepal, Pakistan, Sri Lanka.

1083. ***Melanitis leda ismene*** (Cramer)

1775. *Papilio ismene* Cramer, *Uitl. Kap.,* **1**(1-7): 40.

Source: Wadatker & Kasamble (2008).

Distribution: India: Maharashtra (Amravati, MTR). *Elsewhere*: Bangladesh, Bhutan, China, Myanmar, Nepal, Pakistan, Sri Lanka.

1084. ***Melanitis phedima*** (Cramer)

1780. *Papilio phedima* Cramer, *Uitl. Kap.,* **4**(25-26a): 8.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, MTR, Ratnagiri, Sindhudurg), Meghalaya, Nagaland, Sikkim. *Elsewhere*: Bangladesh, Bhutan, China, Myanmar, Nepal, Sri Lanka.

1085. ***Melanitis zitenius*** (Herbst)

1796. *Papilio zitenius* Herbst, in Jablonsky, *Nat. Schmett.,* **8**: p. [5].

Source: Tiple (2011).

Distribution: India: Kerala, Maharashtra (Nagpur), Meghalaya, West Bengal. *Elsewhere*: Bhutan, Myanmar, Nepal.

1086. ****Ypthima huebneri*** Kirby

1871. *Ypthima huebneri* Kirby, *Sync. Cat. Diurn. Lep.* : 95.

2012. *Ypthima huebneri*: Sharma, *Fauna of Maharashtra*: 553.

Material examined: 1 ex., Sindhudurg (16°03.9′N, 73°26.9′E), 03.viii.2013, Coll. B. Mitra & Party, 1 ex., Triyambakeshwar (Nashik), 15.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andhra Pradesh, Assam, Gujarat, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Bhandara, Sindhudurg, Mumbai, Raigarh, Thane, Ratnagiri, Chandrapur, Tamhini), Manipur, Nagaland, Tamil Nadu, Tripura, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

1087. ***Ypthima baldus*** (Fabricius)

1775. *Papilio baldus* Fabricius, *Syst. Ent.*: 829.

2012. *Ypthima baldus*: Sharma, *Fauna of Maharashtra*: 553.

Material examined: 1 ex., Koyna WLS (Satara) (17°24.2′N, 73°46.4′E), 04.xi. 2012, Coll. K. Chandra & B. Mitra.

Distribution: India: Arunachal Pradesh, Assam, Gujarat, Karnataka, Kerala, Maharashtra (Nagpur, Sindhudurg, Ratnagiri, Raigarh, Thane, Pune, Chandrapur, Tamhini), Meghalaya, Sikkim, Tamil Nadu, Tripura, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Borneo, China, Korea, Laos, Indonesia, Malaysia, Myanmar, Nepal, Taiwan, Thailand.

1088. ***Ypthima asterope*** (Klug)

1832. *Hipparchia asterope* Klug, in Ehrenberg, *Symbolae phys., Ins.,* **3**.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Buldhana, Chandrapur, Tamhini, Pune, Satara), Tamil Nadu. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan.

1089. ***Ypthima asterope mahratta*** Moore

1884. *Ypthima mahratta* Moore, *Journ. Asiat. Soc. Bengal,* **53** Pt.II (1): 16.

Source: Wadatker & Kasamble (2008).

Distribution: India: Maharashtra (Amravati, MTR). *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan.

1090. ***Ypthima inica*** (Hewitson)

1865. *Yphthima [sic] inica* Hewitson, *Trans. Ent. Soc. London* (3) **2** (4): 284.

Source: Tiple (2011).

Distribution: India: Maharshtra (Nagpur, Ahmadnagar, Satara, Raigarh, Thane), Uttar Pradesh. *Elsewhere*: Pakistan.

1091. ***Ypthima avanta*** Moore

1875. *Yphthima avanta* Moore, *Proc. Zool. Soc. London* (4): 567.

Source: Sharma (2012).

Distribution: India: Maharashtra (Nagpur), Uttarakhand. *Elsewhere*: Bhutan, Myanmar, Nepal, Sri Lanka.

1092. ***Ypthima philomela*** (Linnaeus)

1763. *Papilio philomela* Linnaeus, *Amoen. Acad.,* **6**: 404.

Source: Gasse (2013).

Distribution: India: Arunachal Pradesh, Assam, Goa, Kerala, Maharshtra (Northern part), Odisha, West Bengal. *Elsewhere*: Myanmar.

1093. ***Hypolimnas bolina*** (Linnaeus)

1758. *Papilio bolina* Linnaeus, *Syst. Nat.,* **1**: 479.

2012. *Hypolimnas bolina*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 1 ex., Sangliwadi (Sangli) (16°57′N, 74°48′E), 06.xi.2013, Coll. K. Chandra & B. Mitra, 1 ex., Matheran (Raigarh) (19°00.1′N, 73°16.9′E), 20.x.2014, Coll. K.Chandra & Party.

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Gujarat, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Mumbai, Nagpur, Pune, Raigarh, Ratnagiri, Sindhudurg,Tamhini,Thane,Wardha, Washim, Yavatmal), Meghalaya, Mizoram, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Arabia, Australia, Bangladesh, Fiji, Myanmar, New Guinea, Pakistan, Solomon Islands, Sri Lanka.

1094. ***Hypolimnas misippus*** (Linnaeus)

1764. *Hypolimnas misippus* Linnaeus, *Mus. Ulr.* : 264.

2012. *Hypolimnas misippus*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 2 exs., Sangliwadi (Sangli) (16°57′N, 74°48′E), 06.xi.2012, Coll. B. Mitra & Party, 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 20.x.2014, 2 exs., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll K. Chandra & Party.

Distribution: India: Andhra Pradesh, Chhattisgarh, Gujarat, Karnataka, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Thane, Ratnagiri, Pune, Raigarh, Mumbai, Kolhapur), Tamil Nadu, West Bengal. *Elsewhere*: Afghanistan,

Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

1095. **Neptis hylas* (Linnaeus)

1758. *Papilio hylas* Linnaeus, *Syst. Nat. (Ed. X)*, **1**: 486.

2012. *Neptis hylas*: Sharma, *Fauna of Maharashtra*: 554.

Material examined: 2exs., Koyna WLS (Satara) (17°24.2′N, 73°46.4′E), 04.xi.2012, Coll. K. Chandra & B. Mitra.

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Chhatisgarh, Gujarat, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Tamhini, Ratnagiri, Mumbai, Raigarh, Satara, Sindhudurg, Thane, Pune, Mumbai), Manipur, Meghalaya, Mizoram, Odisha, Tamil Nadu, Tripura, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Nepal, Pakistan, Sri Lanka.

1096. ***Neptis columella*** (Cramer)

1780. *Papilio columella* Cramer, *Uitl. Kap.,* **4**(25-26a): 15.

Source: Tiple (2011).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Chhattisgarh, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Mumbai, Thane), Odisha, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

1097. ***Neptis hylas varmona*** Moore

1872. *Neptis varmona* Moore, *Proc. Zool. Soc. London* (2): 561.

Source: Wadatker & Kasamble (2008).

Distribution: India: Maharashtra (Amravati, MTR). *Elsewhere*: Bangladesh, Bhutan, Nepal, Sri Lanka.

1098. ***Neptis clinia*** Moore

1872. *Neptis clinia* Moore, *Proc. Zool. Soc. London* (2): 563.

Source: Gasse (2013).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Bihar, Delhi, Goa, Kerala, Maharashtra (Northern part), Uttarakhand, West Bengal. *Elsewhere*: Bhutan, China, Myanmar, Nepal.

1099. ***Neptis soma*** Moore

1858. *Neptis soma* Moore, *Proc. Zool. Soc. London* (347/348): 9.

Source: Gasse (2013).

Distribution: India: Arunachal Pradesh to North east India, Goa, Kerala, Maharashtra (Northern part), Sikkim, West Bengal. *Elsewhere*: Bhutan, China, Malaysia, Myanmar, Nepal, Thailand.

1100. ***Neptis jumbah*** Moore

1858. *Neptis jumbah* Moore, In Horsfield & Moore, *Cat. Lep. Ins. Mus. East India Coy,* **1**: 167.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Chhattisgarh, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Mumbai, Thane, Ratnagiri), Odisha, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1101. ***Cynthia cardui*** (Linnaeus)

1758. *Papilio cardui* Linnaeus, *Syst. Nat. (Ed. X)*, **1**: 475.

2012. *Cynthia cardui*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 1 ex., Bajreshwari temple (Thane), 23.x.2014, 1 ex., Devpur (Dhule), 14.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Assam, Delhi, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Ratnagiri, Sindhudurg, Mumbai, Satara), Sikkim, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

1102. ****Junonia almana*** (Linnaeus)

1758. *Papilio almana* Linnaeus, *Syst. Nat. (Ed. X)*, **1**: 472.

2012. *Junonia almana*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 1 ex., Sangliwadi (Sangli) (16°57′N, 74°48′E), 31.vii.2013, Coll. B. Mitra &

Party, 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, 1 ex., Near Ajanta Caves (Aurangabad) (20°33.9′N, 75°43.4′E), 10.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Assam, Gujarat, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Ratnagiri, Raigarh, Sindhudurg, Thane), Meghalaya, Mizoram, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Borneo, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Sulawesi.

1103. **Junonia hierta* (Fabricius)

1798. *Papilio hierta* Fabricius, *Ent. Syst. Suppl.*: 424.

2012. *Junonia hierta*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll K. Chandra & Party.

Distribution: India: Andhra Pradesh, Assam, Delhi, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Sindhudurg, Solapur, Thane, Mumbai, Raigarh, Pune), Tamil Nadu, Tripura, Uttar Pradesh, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

1104. **Junonia iphita* (Cramer)

1779. *Papilio iphita* Cramer, *Uitl. Kap.,* **3**(17-21): 30.

2012. *Junonia iphita*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 1 ex., Koyna WLS (Satara) (17°24.2′N, 73°46.4′E), 04.xi.2012, 1 ex., Kaas Valley (Satara) (17°46.2′N, 74°24.2'E), 03.xi.2012, Coll. K. Chandra & B. Mitra.

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Ratnagiri, Thane, Sindhudurg, Mumbai, Kolhapur, Pune), Manipur, Sikkim, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Sunda Islands.

1105. **Junonia lemonias* (Linnaeus)

1758. *Papilio lemonias* Linnaeus, *Syst. Nat. (Ed. X)*, **1**: 473.

2012. *Junonia lemonias*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 3 exs., Bhimashankar WLS (Pune) (19°07.8′N, 73°33.2′E), 02.xi.2012, 1 ex., Matheran (Raigarh) (19°00.1′N, 73°16.9′E), 20.x.2014, 1 ex., Bajreshwari temple (Thane) (19°29.21′N, 73°01.5'E), 23.x.2014, Coll. K. Chandra & Party, 1 ex., Sangliwadi (Sangli) (16°57′N, 74°48′E), 06.xi.2012, Coll. B. Mitra & Party.

Distribution: India: Andhra Pradesh, Assam, Delhi, Gujarat, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Mumbai, Raigarh, Sindhudurg, Pune, Ratnagiri, Thane), Meghalaya, Nagaland, Punjab, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, China, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka.

1106. **Junonia orithya* (Linnaeus)

1758. *Papilio orithya* Linnaeus, *Syst. Nat. (Ed. X)*, **1**: 473.

2012. *Junonia orithya*: Sharma, *Fauna of Maharashtra*: 555.

Material examined: 1 ex., Gautala WLS (Aurangabad) (20°21.9′N, 75°10.8′E), 11.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andhra Pradesh, Delhi, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Solapur, Ratnagiri, Sindhudurg, Mumbai, Pune, Raigarh), Manipur, Meghalaya, Nagaland, Tamil Nadu, Uttar Pradesh, West Bengal. *Elsewhere*: Afghanistan, Africa, Arabia, Australia, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

1107. *Junonia atlites* (Linnaeus)

1763. *Papilio atlites* Linnaeus, *Amoen. Acad.* **6**: 407.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Assam, Chhattisgarh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Thane, Sindhudurg, Mumbai, Satara, Ratnagiri), Meghalaya, Odisha, Tripura, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Singapore, Sri Lanka.

1108. **Phalanta phalantha* (Drury)

1773. *Papilio phalantha* Drury, *Ill. Nat. His. Exot. Ent.,* **1**: 41.

2012. *Phalanta phalantha*: Sharma, *Fauna of Maharashtra*: 554.

Material examined: 1 ex., Bhimashankar WLS (Pune) (19°07.8′N, 73°33.2′E), 02.xi.2012, Coll. K. Chandra & B. Mitra.

Distribution: India: Andhra Pradesh, Delhi, Gujarat, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Pune, Ratnagiri, Sindhudurg, Thane, Mumbai, Raigarh, Kolhapur), Meghalaya, Odisha, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Africa, Arabia, Australia, Bangladesh, China, Japan, Myanmar, Pakistan, Philippines, Sri Lanka.

1109. *Phalanta alcippe* (Cramer)

1782. *Papilio alcippe* Stoll, in Cramer, *Uitl. Kap.,* **4**(32-32): 207.

Source: Gasse (2013).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Goa, Kerala, Maharashtra (Southern part), Meghalaya. *Elsewhere*: Bangladesh, Indonesia, Malay Peninsula, Myanmar, Sri Lanka.

1110. **Ariadne ariadne* (Linnaeus)

1763. *Papilio ariadne* Linnaeus, *Amoen. Acad.,* **6**: 407.

2012. *Ariadne ariadne*: Sharma, *Fauna of Maharashtra*: 554.

Material examined: 1 ex., Dimbhe Dam (Pune) (18°27.6′N, 74°16.8′E), 02.xi.2012, Coll. K. Chandra & B. Mitra.

Distribution: India: Andhra Pradesh, Chhatisgarh, Gujarat, Jharkhand, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal, Ratnagiri, Sindhudurg, Raigarh, Satara, Pune), Meghalaya, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Borneo, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Sulawesi, Taiwan, Thailand.

1111. **Ariadne merione* (Cramer)

1777. *Papilio merione* Cramer, *Uitl. Kap.,* **2**(9-16): 76.

2012. *Ariadne merione*: Sharma, *Fauna of Maharashtra*: 554.

Material examined: 1 ex., Devpur (Dhule) (20°50.8′N, 74°47.9′E), 14.x.2014, Coll. K. Chandra & Party.

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal,Tamhini, Sindhudurg, Satara, Mumbai, Pune, Gadchiroli, Thane, Raigarh), Mizoram, Punjab, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Borneo, Cambodia, China, Indonesia, Laos, Malyasia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Sulawesi, Taiwan, Thailand.

1112. *Cyrestis thyodamas* Boisduval

1846. *Cyrestis thyodamas* Boisduval, in Cuvier, *Règne anim. Ins.,* **2**.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Tamhini, Ratnagiri, Sindhudurg, Raigarh, Satara, Kolhapur, Pune), Meghalaya, Sikkim, Uttarakhand, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan.

1113. *Libythea myrrha* Godart

1819. *Libythea myrrha* Godart, *Encycl. Method.,* **9**(1): 169, 171.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Kerala, Maharashtra (Satara, Raigarh, Sindhudurg), Karnataka, Mizoram, Uttarakhand, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

1114. ***Orsotriaena medus*** (Fabricius)

1775. *Papilio medus* Fabricius, *Syst. Ent.*: 488.

Source: Tiple (2011).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra (Sindhudurg, Nagpur), Meghalaya, Mizoram, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Myanmar, Sri Lanka.

1115. ***Idea malabarica*** (Moore)

1877. *Hestia malabarica* Moore, *Ann. Mag. Nat. Hist.,* (4) **20** (115): 46.

Source: Gasse (2013).

Distribution: India: Goa, Karnataka, Kerala, Maharshtra (Western part).

Remarks: The species is endemic to Western Ghats.

1116. ***Charaxes bernardus*** (Fabricius)

1793. *Papilio bernardus* Fabricius, *Ent. Syst.,* **3**(1): 71.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Maharashtra, Meghalaya, Mizoram, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Nepal.

1117. ***Charaxes psaphon*** Westwood

1847. *Charaxes psaphon* Westwood, *Cab. Orient. En*., **1**: 43.

Source: Tiple (2011).

Distribution: India: Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur and Amravati). *Elsewhere*: Bangladesh.

1118. ***Charaxes solon*** (Fabricius)

1793. *Papilio solon* Fabricius, *Ent. Syst.,* **3**(1): 69.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Assam, Goa, Gujarat, Karnataka, Kerala, Maharashtra (Nagpur, Amravati, Chandrapur, Ratnagiri, Thane, Mumbai, Pune), Meghalaya, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

1119. ***Charaxes fabius*** (Fabricius)

1781. *Papilio fabius* Fabricius, *Spec. Ins.,* **2**: 12.

Source: Wadatker & Kasamble (2008).

Distribution: India: Maharashtra, throughout South India. *Elsewhere*: Bhutan, Myanmar, Sri Lanka.

1120. ***Polyura athamas*** (Drury)

1773. *Papilio athamas* Drury, *Ill. Nat. Hist. Exot. Ins.,* **1**: index, 5.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Chhattisgarh, Gujarat, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Chandrapur, Buldhana, Tamhini), Odisha, throughout South India. *Elsewhere*: Bangladesh, Bhutan, China, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand.

1121. ***Polyura athamas alphius*** (Staudinger)

1886. *Charaxes alphius* Staudinger, in Staudinger & Schatz, *Exot. Schmett.,* **1**(14): 172.

Source: Gasse (2013).

Distribution: India: Chhattisgarh, Himachal Pradesh, Kerala, Madhya Pradesh, Maharashtra (Northern part), Odisha, Tamil Nadu, Uttarakhand. *Elsewhere*: Borneo, Lombok, Sulawesi, Timor Island.

1122. ***Polyura schreiber*** (Godart)

1824. *Nymphalis schreiber* Godart, *Encyclopedie Methodique,* **9**(2): 825.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Kerala, Maharashtra (Tamhini). *Elsewhere*: Bangladesh, Indonesia, Malaysia, Myanmar, Singapore, Thailand.

1123. ***Polyura agraria*** (Swinhoe)

1887. *Charaxes agrarius* Swinhoe, *Proc. zool. Soc. London* (4): 425.

Source: Sharma (2012).

Distribution: India: Chhattisgarh, Himachal Pradesh, Madhya Pradesh, Maharashtra (Nagpur), Odisha, throughout South India. *Elsewhere*: Nepal, Sri Lanka.

1124. ***Euthalia aconthea*** (Cramer)

1777. *Papilio aconthea* Cramer, *Uitl. Kap.,* **2**(9-16): 59.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Assam, Bihar, Goa, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Buldhana, Chandrapur, Amravati, Tamhini, Pune, Mumbai, Sindhudurg, Ratnagiri, Raigarh, Thane), Manipur, Mizoram, Nagaland, Odisha, Uttar Pradesh, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka.

1125. ***Euthalia lubentina*** (Cramer)

1777. *Papilio lubentina* Cramer, *Uitl. Kap.,* **2**(9-16): 92.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh**,** Assam, Karnataka, Kerala**,** Maharashtra (Nagpur, Thane, Ratnagiri, Sindhudurg, Satara), West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

1126. ***Symphaedra nais*** (Forster)

1771. *Papilio nais* Forster, *Nova Species Insectorum*: 73.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Chhattisgarh, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Buldhana, Chandrapur, MTR, Thane, Palghar, Gadchiroli, Raigarh, Pune), Telangana, West Bengal. *Elsewhere*: Nepal, Sri Lanka.

1127. ***Dophla evelina*** (Stoll)

1790. *Papilio evelina* Stoll, *Aanhangsel Werk, Uitl. Kap.* (2-5): 132.

Source: Sharma (2012).

Distribution: India: Goa, Gujarat, Kerala, Maharashtra (Sindhudurg, Amboli), Meghalaya, Mizoram, Tamil Nadu. *Elsewhere*: Bangladesh, Myanmar, Philippines, Sri Lanka, Sulawesi.

1128. ***Tanaecia lepidea*** (Butler)

1868. *Adolias lepidea* Butler, *Ann. Mag. Nat. Hist.* (4) **1**(1): 71.

Source: Tiple (2011).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Chhattisgarh, Goa, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Ratnagiri, Sindhudurg, Raigarh, Gadchiroli), Mizoram, Nagaland, Odisha, Tripura. *Elsewhere*: Bangladesh, Bhutan, Malay Peninsula, Myanmar, Nepal.

1129. ***Doleschallia bisaltide*** (Cramer)

1777. *Papilio bisaltide* Cramer, *Uitl. Kap.,* **2**(9-16): 9.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Karnataka, Kerala, Maharashtra (Ratnagiri, Sindhudurg, Thane, Mumbai), Meghalaya, Tamil Nadu, West Bengal. *Elsewhere*: Bhutan, Indo-Malyan region, Myanmar, Nepal, Sri Lanka.

Remarks: Wide distribution in Southeast Asia.

1130. ***Moduza procris*** (Cramer)

1777. *Papilio procris* Cramer, *Uitl. Kap.,* **2**(9-16): 15.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Chhattisgarh, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Buldhana, Chandrapur, MTR, Ratnagiri, Sindhudurg, Thane, Mumbai, Raigarh), Meghalaya, Odisha, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Bangladesh, China, Myanmar, Sri Lanka.

1131. ***Athyma perius*** (Linnaeus)

1758. *Papilio perius* Linnaeus, *Syst. Nat. (Ed. X)*, **1**: 471.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Chattisgarh, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharshtra (Nagpur, Amravati, MTR, Sindhudurg, Raigarh, Pune, Satara, Nashik), Manipur, Tamil Nadu, Uttarakhand, West Bengal. *Elsewhere*: Malay Peninsula, Myanmar.

1132. ***Athyma selenophora*** (Kollar)

1844. *Limenitis selenophora* Kollar, in Hugel, *Kaschmir und das Reich der Siek,* **4**: 426.

Source: Tiple (2011).

Distribution: India: Arunachal Pradesh, Assam, Chhattisgarh, Goa, Himachal Pradesh, Jharkhand, Kerala, Madhya Pradesh, Maharashtra (Amravati, Sindhudurg), Meghalaya, Mizoram, Nagaland, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal.

1133. ***Parthenos sylvia*** (Cramer)

1776. *Papilio sylvia* Cramer, *Uitl. Kap.,* **1**(1-7): 68.

Source: Gasse (2013).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh to North east India, Goa, Kerala, Maharashtra (Southern part). *Elsewhere*: Bangladesh, Indonesia, Malaysia, Myanmar, Papua New Guinea, Sri Lanka, Thailand.

1134. ***Pantoporia hordonia*** (Stoll)

1790. *Papilio hordonia* Stoll, *Aanhangsel Werk, Uitl. Kap.* (2-5): 149.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Goa, Jharkhand, Karnataka, Kerala, Maharashtra (Raigarh, Ratnagiri), Meghalaya, Mizoram, Sikkim, Tamil Nadu, Tripura, Uttarkhand, West Bengal. *Elsewhere*: Bangladesh, Bhutan, China, Lombok, Myanmar, Nepal, Philippines, Sri Lanka, Taiwan.

1135. ***Argyreus hyperbius*** (Linnaeus)

1763. *Papilio hyperbius* Linnaeus, *Amoen. Acad.,* **6**: 408.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Delhi, Gujarat, Madhya Pradesh, Maharashtra Manipur, Meghalaya, Mizoram, Odisha, Rajasthan, Sikkim, Uttar Pradesh, Uttarakhand, West Bengal. *Elsewhere*: Afghanistan, Bangladesh, Bhutan, China, Indonesia, Myanmar, Pakistan, Sri Lanka.

1136. ***Rohana parisatis*** (Westwood)

1850. *Apatura parisatis* Westwood, *Gen. Diurn. Lep.* (2): 305.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Goa, Karnataka, Kerala, Maharashtra (Ratnagiri, Sindhudurg, Kolhapur, Raigarh), Meghalaya, Mizoram, Sikkim. *Elsewhere*: Bangladesh, China, Indonesia, Malaysia, Myanmar, Sri Lanka, Thailand.

1137. ***Euripus consimilis*** (Westwood)

1850. *Diadema consimilis* Westwood, *Gen. Diurn. Lep.*, (2): 281.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra, Uttarakhand, West Bengal. *Elsewhere*: Bhutan, Myanmar, Nepal.

1138. ***Kallima horsfieldi*** Kollar

1844. *Kallima horsfieldi* Kollar, in Hugel, *Kaschmir und das Reich der Siek,* **4**: 434.

Source: Sharma (2012).

Distribution: India: Goa, Gujarat, Karnataka, Kerala, Maharashtra (Tamhini, Thane, Ratnagiri, Mumbai, Sindhudurg, Raigarh, Kolhapur). *Elsewhere*: Myanmar, Sri Lanka.

1139. ***Byblia ilithyia*** (Drury)

1773. *Papilio ilithyia* Drury, Index, 29.

Source: Sharma (2012).

Distribution: India: Andhra Pradesh**,** Chhattisgarh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra (Nagpur, Amravati, Chandrapur, MTR**,** Solapur, Pune, Buldhana). *Elsewhere*: Sri Lanka.

1140. ***Acraea violae*** (Fabricius)

1793. *Papilio violae* Fabricius, *Ent. Syst.,* **3**: 460.

Source: Sharma (2012).

Distribution: India: Arunachal Pradesh, Assam, Delhi, Gujarat, Himachal Pradesh, Karnataka, Kerala, Maharashtra (Amravati, Akola, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim, Yavatmal), Meghalaya, Rajasthan, Sikkim, Tamil Nadu, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Nepal, Pakistan, Sri Lanka, Thailand.

1141. ***Cethosia nietneri*** Felder & Felder

1867. *Cethosia nietneri* C. & R. Felder, *Reise Fregatte Novara* (3): 380.

Source: Sharma (2012).

Distribution: India: Goa, Kerala, Maharashtra. *Elsewhere*: Sri Lanka.

1142. ***Vindula erota*** (Fabricius)

1793. *Papilio erota* Fabricius, *Ent. Syst.,* **3**(1): 76.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Goa, Karnataka, Maharashtra (Sindhudurg), Meghalaya, Mizoram, Nagaland, West Bengal. *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal, Sri Lanka.

1143. ***Cupha erymanthis*** (Drury)

1773. *Papilio erymanthis* Drury, *Ill. Nat. Hist. Exot. Ins.,* **1**: index, 29.

Source: Sharma (2012).

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Goa, Karnataka, Kerala, Maharashtra (Sindhudurg, Ratnagiri, Satara), Meghalaya, Mizoram. *Elsewhere*: Bangladesh, Bhutan, China, Malay Peninsula, Myanmar, Nepal, Philippines, Sri Lanka.

Table 1. Family wise number of genera and species

Family	Genus	Species
Hepialidae	01	02
Nepticulidae	03	10
Oposteigidae	01	02
Heliozelidae	01	03
Psychidae	02	02
Tineidae	08	10
Bucculatricidae	01	03
Gracillaridae	01	19
Yoponomeutidae	02	02
Heliodinidae	02	02
Lyonetiidae	01	04
Douglasiidae	01	01
Autostichidae	01	01
Lecithoceridae	04	05
Oecophoridae	06	06
Elachistidae	01	02
Batrachedridae	01	01
Coleophoridae	02	02
Scythrididae	01	04
Cosmoptergidae	04	04
Gelechiidae	12	16
Pterophoridae	01	01
Schreckensteiniidae	01	01
Immidae	01	02
Tortricidae	04	04
Cossidae	04	05
Limacodidae	11	19
Zygaenidae	01	01
Thyrididae	05	06

Family	Genus	Species
Hyblaeidae	01	02
Pyralidae	26	27
Crambidae	74	101
Drepaniidae	01	01
Lasiocampidae	10	11
Eupterotidae	05	15
Bombycidae	03	04
Saturniidae	04	05
Sphingidae	23	47
Uraniidae	06	08
Geometridae	69	93
Notodontidae	15	23
Erebidae	51	86
Euteliidae	06	09
Nolidae	11	13
Noctuidae	154	297
Papilionidae	04	19
Hesperiidae	33	52
Pieridae	13	32
Riodinidae	01	01
Lycaenidae	49	77
Nymphalidae	39	80

SUMMARY

The present study enumerated 1143 species of Lepidoptera from Maharashtra. It constitutes nearly 8% of entire Indian Lepidoptera fauna and represents nearly 50% of total insect species known to occur from Maharashtra (Chandra, 2013). The 1143 species belonging to 682 genera and 51 families of which butterflies shared 261 species belonging to 139 genera and 6 families and moths shared 882 species belonging to 543 genera and 45 families. Eighteen species of moths were found new record to the state and only 93 species have been added to the moth fauna of Maharashtra since published information after Cotes and Swinhoe (1887-89).

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ORIBATID MITES (ACARI : ORIBATIDA)

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INTRODUCTION

The Oribatid mites are one of the richest soil Arthropodan groups both as to the number of species and individuals (Balogh, 1972). Although not the equal of insects, mites do rank high in species richness. But the mites are very poorly represented in ecological, ethological and evolutionary studies (Walter & Proctor, 1999).

Mites have seldom been exploited as bioindicators in soil, however, oribatid mites may prove especially useful indicators (Lebrun and van Straaleen 1995, Stamou and Argyropoulou 1995). Since they have relatively long life cycles, they may prove useful indicators of heavy metal pollution events. The relative proportion of the oribatid mites has been shown to increase in response to heavy metals and to pesticide pollution (Siepel 1995).

The European acarologist Pearce (1906) first made faunistic studies on the oribatid mites from soils of the Sikkim Himalaya. Later the knowledge was enriched to some extent by the works of Ewing (1910), Jacot (1933), Baker (1945), Anantharaman (1951) and Prasad (1965). Later under the guidance of late Professor D.N. Raychaudhuri, Calcutta University, the team of acarologists like Bhaduri, Chakraborti, Bhattacharya, Sanyal, Mishra, Sarkar, Dhali, Deb, Ghosh, Misra, Mondal and Kundu during 1967-1986 described and reported several species of oribatid mites from West Bengal. Haq and Prabhoo (1976), Haq (1978a, 1978b, 1979), Haq and Adolph (1980), Balakrishana (1986, 1986a and 1986b), Balakrishna and Haq (1982), Mahunka (1985), Bayoumi and Mahunka (1979a, 1979b), Sarkar (1983, 1985, 1986), Sarkar and Subias (1982, 1983, 1984), Sanyal and Bhaduri (1981, 1983, 1985, 1986), Sanyal (1984-1998), Sanyal and Sengupta (1990), Sanyal and Saha (1986), Saha and Sanyal (1996), Subias and Sarkar (1982, 1983, 1984), Acharya and Basu (2012, 2014, 2015) and others made extensive studies on this group of mites and published several papers. Till date, 88 families are represented in India by a total number of 662 species and sub-species under 244 genera of oribatid mites.

Narsapur (1983) made the first record of Oribatid mite from Maharashtra from the soils of the state. Later Sanyal (1984) studied soil mites of Maharashtra and published one paper containing description of two new species. No work has been done on soil oribatid mites after that and this is the first consolidated report of oribatid mites from the state containing 46 species belonging to 36 genera and 22 families of which 43 species, 34 genera and 20 families as the first record from Maharashtra (marked *) and 10 species under 9 genera are recorded for the first time from India (marked **).

BRIEF ACCOUNT OF THE COLLECTION AND SURVEYS DONE IN MAHARASHTRA

The present work is based on a series of collection of oribatid mites from Maharashtra done by the author and his associates. A brief account of the surveys undertaken for the study by the author is given below:

1. Maharashtra Survey I—Dr. Shelley Acharya (02.09.2012 - 19.09.2012)
2. Maharashtra Survey II—Dr. Shelley Acharya (11.09.2013 - 30.09.2013)
3. Maharashtra Survey III—Dr. Shelley Acharya (21.07.2014- 06.08.2014)

The most important habitats like litter, soil,

moss, semi decomposed cow dung and plants were thoroughly surveyed for collection of oribatid mites.

MATERIAL AND METHODS

For taxonomic studies of oribatid mites, litter, soil and humus samples from all possible habitats from the districts of Maharashtra were collected. The samples collected by shovel from upper 10 cm soil profile were kept in polythene bags. The samples were extracted by using modified Tullgren funnels and extracted mite specimens were collected in glass tubes containing 70% alcohol.

The body of most of the oribatid mite is heavily sclerotized and opaque. The extracted material were made ready for taxonomic study following the usual procedure of keeping the specimen in solution of 90% alcohol and lactic acid (v/v) as advocated by Balogh (1965). For microscopic observations, Balogh's (1965) method of temporary mounting in lactic acid was followed. After necessary microscopic observations the specimen was transferred in small glass vials containing 70% alcohol. The vials were then properly labeled and stored.

The measurements provided in the text were taken with the help of ocular and stage micrometers. The measurements of the specimens have been given in micron (μm). The keys for identification prepared by Balogh (1972), Balogh and Mahunka (1983), Balogh and Balogh (1988), Subias and Balogh (1989) and Balogh and Balogh (1990) have been followed.

LIST OF ORIBATID TAXA KNOWN FROM MAHARASHTRA

1. Family PHTHIRACARIDAE Perty, 1841

1. Genus ***Hoplophthiracarus*** Jacot, 1933

*1. *Hoplophthiracarus costai* Macfarlane

*2. *Hoplophthiracarus kughoi siamensis* Hammer

*3. *Hoplophthiracarus tubulus* Hammer

2. Genus ***Notopthiracarus (Calyptothiracarus)*** Aoki, 1980

**4.*Notopthiracarus (Calyptothiracarus)pavidus pavidus* (Berlese, 1913)

3. Genus ***Hoplophorella*** Berlese, 1923

*5. *Hoplophorella scapellata* Aoki

2. Family ORIBOTRITIIDAE Grandjean, 1954

4. Genus *Indotritia* Jacot, 1929

6. *Indotritia* sp.

3. Family LOHMANIDAE Berlese, 1916

5. Genus *Heptacarus* Piffl, 1963

**7. *Heptacarus neotropicus* Mahunka

6. Genus ***Haplacarus*** Wallwork (1962)

**8. *Haplacarus bhadurii* Sanyal

**9. *H. maharashtraensis* Sanyal

7. Genus ***Javacarus*** Balogh, 1961

10. *Javacarus* sp.

11. *Javacarus kuehnelti* Balogh

8. Genus ***Papillacarus*** Kunst, 1959

*12. *Papillacarus angulatus* Wallwork.

9. Genus ***Annectacarus*** Grandjean, 1950

*13. *Annectacarus* sp.

4. Family TRHYPOCHTHONIDAE Willmann, 1931

10. Genus ***Allonothrus*** Van der hammen

*14. *Allonothrus russeolus russeolus* Wallwork

11. Genus ***Archegozetes*** Grandjean, 1931

*15. *Archegozetes longisetosus* Aoki

5. Family MALACONOTHRIDAE Berelese, 1916

12. Genus ***Trimalaconothrus*** Berlese, 1916

*16. *Trimalaconothrus platyrhinus* Hammer

6. Family GYMNODAMAEIDAE Grandjean, 1954

13. Genus ***Plesiodamaeus*** Grandjean, 1954

**17. *Gymnodamaeus glaber* Kunst

7. Family ZETORCHESTIDAE Grandjean, 1951

14. Genus ***Litholestes*** Grandjean, 1951

**18. *Litholestes altitudinus* Grandjean

8. Family MICROZETIDAE Grandjean, 1936

15. Genus ***Orthozetes*** Balogh, 1962

**19. *Orthozetes dispar* Balogh, 1962

9. Family EREMULIDAE Grandjean, 1965

16. Genus ***Eremulus*** Berlese, 1908

*20. *Eremulus avenifer* Berlese

*21. *Eremulus flagellifer* Berlese

10. Family EREMOBELBIDAE Balogh, 1961

17. Genus ***Eremobelba*** Berlese, 1908

*22. *Eremobelba* sp.

11. Family BASILOBELBIDAE Balogh, 1961
18. Genus ***Basilobelba*** Balogh, 1958
*23. *Basilobelba* sp.
12. Family TECTOCEPHEIDAE Grandjean, 1954
19. Genus ***Tectocepheus*** Berlese, 1913
*24. *Tectocepheus velatus* (Michael)
13. Family OTOCEPHEIDAE Balogh, 1961
20. Genus ***Dolicheremaeus*** Jacot, 1938
*25. *Dolicheremaeus papuensis* Aoki
14. Family CERATOZETIDAE Jacot, 1925
21. Genus ***Hypozetes*** Balogh, 1959
*26. *Hypozetes laysanensis* Aoki
15. Family OPPIIDAE Grandjean, 1954
22. Genus ***Amerioppia*** Hammer, 1961
*27. *Amerioppia* sp.
23. Genus ***Lasiobelba*** Aoki, 1959
**28. *Lasiobelba remota* Aoki
*29. *L. kuehnelti* (Csiszar)
24. Genus ***Brachioppiella*** Hammer, 1962
*30. *Brachioppiella periculosa* Hammer
25. Genus ***Multioppia*** Hammer, 1961
*31. *Multioppia stellifera* Hammer
26. Genus ***Kokoppia***
*32. *Kokoppia* sp.
16. Family CHAUNOPROCTIDAE Balogh, 1961
27. Genus ***Chaunoproctus*** Pearse, 1906
*33. *Chaunoproctus minor* (Balogh)
17. Family ORIBATULIDAE Thor, 1929
28. Genus ***Scheloribates*** Berlese, 1908
*34. *Scheloribates curvialatus* Hammer
*35. *Scheloribates huancyaensis* Hammer
*36. *Scheloribates albialatus* Hammer
**37. *Scheloribates giganteus* Hammer
18. Family HAPLOZETIDAE Grandjean, 1936
29. Genus ***Peloribates*** Berlese, 1908
*38. *Peloribates longisetosus* Willman
**39. *Peloribates grandis* (Willman)
30. Genus ***Protoribates*** Berlese, 1908
*40. *Protoribates magnus* (Aoki)
31. Genus ***Trachyoribates*** Berlese, 1908
*41. *Trachyoribates ovulum* Berlese
32. Genus ***Setoxylobates*** Balogh et Mahunka, 1967
*42. *Setoxylobates foveolatus* Balogh & Mahunka
19. Family CHAMOBATIDAE Grandjean, 1954
33. Genus ***Pedunculozetes*** Hammer, 1962
*43. *Pedunculozetes andinus* Hammer
20. Family MOCHLOZETIDAE Grandjean, 1936
34. Genus ***Unguizetes*** Sellnick, 1925
*44. *Unguizetes clavatus* Aoki
21. Family ORIBATELLIDAE Grandjean, 1936
35. Genus ***Oribatella*** Banks, 1895
*45. *Oribatella palustris* Hammer
22. Family GALUMNIDAE Jacot, 1925
36. Genus ***Galumna*** Von Heyden
*46. *Galumna* sp.

SYSTEMATIC ACCOUNT

1. Family PHTHIRACARIDAE Perty, 1841

Key to the genera of Phthiracaridae

1(2) Interlamellar setae decumbent and almost similar in shape to lamellar setae; three pairs of anal setae.....*Hoplophorella*

2(1) Interlamellar setae erect, usually much longer and thicker than lamellar setae; two pairs of anal setae .....*Hoplophthiracarus*

1. Genus ***Hoplophthiracarus*** Jacot, 1933

1933. *Hoplophthiracarus* Jacot, *Journ. El. Mitch. Sci. Soc.,* **48**: 239.

Key to the species of *Hoplophthiracarus*

1(2) Rostral setae moderately stout, sub erect and slightly curved backwards; prodorsal integument appears to be punctuated by large number of extremely fine pores..... *costai*

2(1) Rostral setae ciliate; prodorsal integument is not punctuated by large number of extremely fine pores.....*pavidus pavidus*

3(4) Interlamellar setae long, thick and barbed; lateral carina extraordinarily long; genital plates without tooth fitting into a notch in the anal plates .....*siamensis*

4(3) Interlamellar hairs are hardly discernible; Lateral carina not extraordinarily long; genital plates

with a tooth fitting into a notch in the anal plates ..... *tubulus*

1. ***Hoplophthiracarus costai*** MacFarlane & Sheals, 1965

1965. *Hoplophthiracarus costai* MacFarlane & Sheals, *Acarologia,* **7**(3): 577-583.

Material Examined: Aurangabad, Ellora Cave No. 34, 1♀,15.ix.2012, coll. A. Chatterjee, 4849/17/ ZSIHQ; Pune, Sinhagad Fort, 24♀, 10.xii.13, from soil, coll. D.N Adagale, 4955/17/ ZSIHQ.

Diagnosis: The rostral setae (ro) are moderately stout and about r/3 the length of the interlamellar setae (in); the later are long (about 2/3 the length of the aspis), sub-erect when viewed laterally and slightly curved backwards; the lamellar (la) and exobothridial setae (ex) are about equal in length and approximately half as long as the rostral setae.

Distribution: India: Uttar Pradesh, Maharashtra. Elsewhere: Israel.

2. ***Hoplophthiracarus kughoi siamensis*** Aoki

1965. *Hoplophthiracarus siamensis* Aoki, *Nat. life Southeast Asia,* **4**: 133.

1982. *Hoplophthiracarus kughoi siamensis* Aoki, *Bull. Inst. En. Sci. Tech*. Yokohama, **6**(7): 35.

Material Examined: Aurangabad, Ellora Cave No. 34, 1♀, 15.ix.2012, from soil, coll. A. Chatterjee, 4849/17/ZSIHQ.

Diagnosis: Lateral carina extraordinarily long; rostral setae longer than lamellar setae, smooth; lamellar setae short, smooth; interlamellar setae long, thick, barbed on distal half; sensillus slender with an elongate irregular-shaped hyaline head; notogaster foveolate.

Distribution: India: Manipur, Kerala, Maharashtra. *Elsewhere*: Japan.

3. *Hoplophthiracarus tubulus* Hammer

1972. *Hoplophthiracarus tubulus* Hammer, *Biol. Skr. Dan. Vid. Selsk.,* **7**(3): 11.

Material Examined: Aurangabad, Ellora Cave No. 34, 1♀, 15.ix.2012, from soil, coll. A. Chatterjee, 4849/17/ZSIHQ.

Diagnosis: The notogaster is evenly rounded; it is highest in the middle of its length; the smooth pseudostigmatid organ is long and slender; the border between the genital and anal plates is very rough with small irregular tongues and laterally on the genital plates with a tooth fitting into a notch in the anal plates.

Distribution: India: Uttar Pradesh, Maharashtra. *Elsewhere*: France.

2. Genus ***Notopthiracarus (Calyptothiracarus)*** Aoki, 1980

1980. *Notopthiracarus (Calyptothiracarus)* Aoki, *Bull. Inst. envir. Sci. Technol. Yokohama. Natn. Univ*., **6**:119-126

4. *Notophthiracarus (Calyptophthiracarus) pavidus pavidus* (Berlese, 1913) ***(=Hoplophthiracarus cretensis*** Mahunka, 1979**)**

1913. *Notophthiracarus (Calyptophthiracarus) pavidus pavidus* Berlese, *Redia,*. **9**: 77-111.

1979. *Hoplophthiracarus cretensis* Mahunka, *Revue Suisse Zool*., **86**(2): 558.

Material Examined: Aurangabad, Ajanta Cave No. 16, 1♀, 14.ix.2012, from soil, coll. A. Chatterjee, 4850/17/ZSIHQ; Chandrapur, Wadgaon vill., 4♀♀, 28.vii. 2014, from Kapas field, 5069/17/ZSIHQ; Chandrapur, Khambara vill., 1♀, 28.vii.2014, from soil & litter, coll. S. Acharya, 5079/17/ZSIHQ.

Diagnosis: All notogastral setae uniform, erect then proclinate; setae ciliate, except basally- rostral setae ciliate, longer than entirely smooth *sl*..stalk of sensillus long, clavately capitates, ciliate; ano adanal plate with seta ad_3 also short, not longer than anal setae, but originating far from inner margin of plate.

Distribution: India: Maharashtra. *Elsewhere*: Greece.

3. Genus ***Hoplophorella*** Berlese, 1923

1923. *Hoplophorella* Berlese, *Redia*, **25**: 260.

5. *Hoplophorella scapellata* Aoki, 1965

1965. *Hoplophorella scapellata* Aoki, *Nat. Life Southeast Asia*, **4**: 131.

1983. *Hoplophorella scapellata* Chakrabarty and Mondal, *Indian J. Acar*., **8**(1): 40.

Material Examined: Raigad, Varsoli Sea Beach, 1♀, 21.ix.2013 from soil & litter, coll. S. Acharya, 4979/17/ZSIHQ.

Diagnosis: Integument with small pits; rostral setae well developed, strong; lamellar setae minute, fine; interlamellar setae long, directed upward; sensillus almost equally thick throughout its length except distal half which is hyaline and uneven; notogastral hood absent; notogastral setae fifteen pairs, broad, spatulate.

Distribution: India: West Bengal, Bihar, Manipur, Maharashtra. *Elsewhere*: Japan, Mauritus Is, Reunion Is, Samoan Is, Thailand, Tonga Tapu Is.

2. Family ORIBOTRITIIDAE Grandjean, 1954

4. Genus ***Indotritia*** Jacot, 1929
(= *Otibotritia*, Jacot, 1924)

1924. *Indotritia* Jacot, *Journ. N. Chim. Branch Roy. As. Soc*., **55**: 78-83.

1929. *Indotritia* Jacot, *Psyche*, **35**: 213-215.

6. ***Indotritia*** sp.

Remarks: The genus is recorded for the first time from Maharashtra.

3. Family LOHMANIDAE Berlese, 1916

Key to the genera of Lohmanidae

1(2) Preanal plate wide; transversal suture on genital plate not present ..... *Haplacarus*

2(1). Preanal plate not wide; transversal suture on genital plate present .....*Heptacarus*

5. Genus ***Heptacarus*** Piffl, 1963

1963. *Heptacarus* Piffl, *Anz. Akad. Wiss. Wien*, **9**: 162-169.

7. ***Heptacarus neotropicus*** Mahunka, 1985

1985. *Heptacarus neotropicus* Mahunka, *Revue Suisse de Zoologie*, **92**(1): 119-144.

Material Examined: Mumbai, Aarey colony, 1♀, 13.ix.2013 from soil & litter, coll. S. Acharya, 4962/17/ZSI HQ.

Diagnosis: Rostrum rounded, lateral margin with minute teeth laterally; lateral and interlamellar setae much more ciliate as rostral ones; notogaster with strong neotrichy; peduncle of sensillus slightly incrassate, one side with about 20 long branches progressively shortening from middle to the apex.

Distribution: India: Maharashtra. *Elsewhere*: Antilles (North America), France.

6. Genus ***Haplacarus*** Wallwork (1962)

1962. *Haplacarus* Wallwork, *Acarologia*, **4**: 465.

Key to the species of *Haplacarus*

1(2) Notogastral· papillae arranged in rows; all setae smooth; posterior adanal setae without without incurved tips..... *bhadurii*

2(1) Notogastral papillae regularly distributed and form distinct bands; setae barbed; posterior adanal setae with strongly curved inward tips .....*maharashtraensis*

8. ***Haplacarus bhadurii*** Sanyal, 1984

1984. *Haplacarus bhadurii* Sanyal, *J. Bombay Nat. Hist. Society*, **81**(1): 151-155.

Diagnosis: Prodorsum finely foveolated; rostral tectum is entire, not incised; sensillus pectinate with 7 branches; notogaster bears 9 rows of papillae, interpapillar region of notogaster covered by fine microsculpture of punctuations; ad-anal plates fused, no longitudinal suture, anal setae shorter and more slender than adanals.

Distribution: India: Maharashtra.

Remarks: A new species which was first described from Maharashtra by Sanyal (1984).

9. ***Haplacarus maharashtraensis*** Sanyal, 1984

1984. *Haplacarus maharashtaensis* Sanyal, *J. Bombay Nat. Hist. Society*, **81**(1): 151-155.

Diagnosis: The body is covered with a fine transparent cerotegument beautifully ornamented with a microsculptute of regularly arranged knob-like refractive papillae; rostral setae inserted close together on dorsal surface of rostrum about 3 times longer than their mutual distance; there are 32 notogastral setae; neotrichy absent; all setae markedly foliate.

Distribution: India: Maharashtra.

Remarks: A new species which was first described from Maharashtra by Sanyal (1984).

7. Genus ***Javacarus*** Balogh, 1961

1961. *Javacarus* Balogh, *Acta Zool. Acad. Sci. Hung.*, **7**: 24.

10. ***Javacarus* sp.**

Remarks: The genus was reported with an unidentified species from Ratnagiri.

11. ***Javacarus kuehnelti*** Balogh

1961. *Javacarus kuehnelti* Balogh, *Acta Zool. Acad. Sci. Hung.*, **7**(1 & 2): 31.

Material Examined: Aurangabad, Fulambri vill., 1♀, 13.ix.2012, from corn field soil, 4852/17/ZSIHQ; Aurangabad, Daulatabad Fort, 1♀, 16.ix.2012, soil from Fort hill top, coll. A. Chatterjee, 4851/17/ZSIHQ; Bhandara, Sakoli vill., 1♀, 3.viii.2014, 5082/17/ZSIHQ; Nagpur, Dikshabhumi vill., 1♀, 24.vii.2014, from soil & litter, coll. S. Acharya, 5097/17/ZSIHQ.

Diagnosis: Prodorsum with small spots; rostrum sculptured; prodorsal setae lanceolate; sensillus with 7-10 secondary branches; notogaster with light spots forming a pattern; notogastral setae lanceolate without mid rib; genital setae 10 pairs.

Distribution: India: West Bengal, Maharashtra, Tripura. Elsewhere: Java, Egypt .

Remarks: The species was first reported by Sanyal (1984).

8. Genus ***Papillacarus*** Kunst

1959. *Papillacarus* Kunst, *Acta Univ. Carol. Biol.*, 52.

12. ***Papillacarus angulatus*** Wallwork

1962. *Papillacarus angulatus* Wallwork, *Acarologia,* **4**(3): 457-487.

Material Examined: Chandrapur, Kosara vill., 1♀, 28.vii.2014, from sugarcane field, coll. S. Acharya, 5077/17/ZSIHQ.

Diagnosis: Rostral tectum very thin, forming an incomplete covering over the mouth parts; lateral margin of prodorsal shield have an angular contour; rostral setae inserted close together on each side of the mid line; the prodorsal setae are conspicuously barbed; notogaster truncate anteriorly.

*Distribution***:** India: Uttar Pradesh, Maharashtra. *Elsewhere*: Ghana.

9. Genus ***Annectacarus*** Grandjean, 1950

1950. *Annectacarus* Grandjean, *Arch. Zool. exp. gen. Paris*, **87**: 131.

13. ***Annectacarus*** sp.

4. Family TRHYPOCHTHONIDAE Willman, 1931

Key to the genera of TRHYPOCHTHONIDAE

1(2) Legs monodactylous; seven pairs of genital setae; notogastral setae simple, quadrangular notogaster..... *Archaegozetes*

2(1) Legs tridactylous; seven to fourteen pairs airs of genital setae; notogastral setae flabelliform; pentagonal notogaster.....*Allonothrus*

10. Genus ***Allonothrus*** Van der Hammen, 1953

1953. *Allonothrus* Hammen, *Proc. Acad. Sci. Amst.,* **56C**: 244.

14. ***Allonothrus russeolus russeolus*** Wallwork, 1960

1960. *Allonothrus russeolus* Wallwork *Acarologia*, **2**(4): 571.

Material Examined: Raigad, Nagaon Village, 1♀, 22.ix.2013, 4961/17/ZSIHQ; Nagpur, Narsala vill. 1♀, 23.vii.2014, 5076/17/ZSIHQ; Chandrapur, Khambara vill., 1♀, 28.vii.2014, from soil & litter, 5081/17/ZSIHQ; Chandrapur, Bhadrawati vill., 3♀♀, 28.vii.2014, from soya bin field, coll. S. Acharya,5081/17/ZSIHQ.

Diagnosis: Prodorsum with minute punctuations; lateral prodorsal ridges strongly curved, central ridges fused anteriorly; rostral setae pointed, burbed; notogaster with circular or polygonal areolae surrounded by reddish-brown ridges; genital setae 13 pairs.

Distribution: India: West Bengal, Assam, Maharashtra. *Elsewhere*: Africa, Antilles, Fiji, Oceania.

11. Genus ***Archegozetes*** Grandjean, 1931

1931. *Archegozetes* Grandjean, *Bull. Mus. Hist. Nat. Paris*, **3**(2): 144.

15. ***Archegozetes longisetosus*** Aoki, 1965

1965. *Archegozetes longisetosus* Aoki, *Nat. Life Southeast Asia*, **4**: 147.

Material Examined: Akola, Gaigaon vill., 1♀, 04.ix.2012, from bean field soil, 4947/17/ ZSIHQ; 1♀, Ambavan vill., Gondia, 31.vii.2014, from soil & litter, coll. S. Acharya, 5083/17/ZSIHQ.

Diagnosis: Prodorsum punctuate; prodorsal and notogastral setae long, fine, densely beset with bristles; sensillus long, fine, densely beset with bristles, d_1 longer than their mutual distance; genital setae 7 pairs, *4a* about 1/2 as long as *4b*; solenoidia on palp sharp.

Distribution: India: West Bengal, Assam, Kerala, Tripura, Lakshadweep, Maharashtra. Elsewhere: Malaysia, South America, Tahiti isl, Thailand.

5. Family MALACONOTHRIDAE Berlese, 1916

12. Genus ***Trimalaconothrus (Trimalaconothrus)*** Berlese

1916. *Trimalaconothrus (Trimalaconothrus*) Berlese, *Redia,* **12**: 289-338.

16. ***Trimalaconothrus platyrhinus*** Hammer, 1962

1962. *Trimalaconothrus platyrhinus* Hammer, *Biol. Skr. Dan. Vid. Selsk.,* **13**: 1-17.

Material Examined: Pune, Sinhagad Fort, 1♀, 10.xii.13, from soil, coll. D.N Adagale, 4957/17/ ZSIHQ.

Diagnosis: The propodosoma is narrower than hysterosoma, which is shield shaped with straight anterior border; the lamellae are strong ridges, the anterior half of which is almost straight and parallel; of the hairs of the hysterosoma c1 and d1 are situated at the same mutual distance, which is slightly longer than c1-d1.

Distribution: India: West Bengal, Maharashtra. Elsewhere: Chile, New Zealand.

6. Family GYMNODAMAEIDAE Grandjean, 1954

13. Genus ***Gymnodamaeus*** Kulczynski, 1902
(= Plesiodamaeus Grandjean, 1954)

1954. *Plesiodamaeus* Grandjean, *Bull. Soc. zool. France*, **78**: 421-446.

17. ***Gymnodamaeus glaber*** (Mihelčič, 1957)
(= *Plesiodamaeus glaber* Mihelčič, 1957)

1957. *Plesiodamaeus glaber* Mihelcic, *Zool. Anz*., **159**: 41-68.

Material Examined: Thane, Majiwara, 1♀, 16.ix.2013, 4993/17/ZSIHQ; Ratnagiri, Ratnagiri Fort, 2♀♀, 25.ix.2013, from soil & litter, coll. S. Acharya, 4992/17/ZSIHQ; Pune, Sinhagad Fort, 1♀, 10.xii. 2013, from soil, coll. D.N Adagale, 4957/17/ ZSIHQ; Bhandara, Tumsar vill., 1♀, 3.viii. 2014, from cow dung, coll. S. Acharya, 5088/17/ZSIHQ.

Diagnosis: The rostral hairs arise closely in front of the lamellar hairs; the rostrum is strongly sloping anteriad; propodosoma is smooth, except in front of the pseudostigmatic organ where 3-5 pale, irregularly shaped spots occur; hysterosoma is oblong and surrounded by a narrow edge.

Distribution: India: Maharashtra. Elsewhere: Europe.

7. Family ZETORCHESTIDAE

14. Genus ***Litholestes*** Grandjean, 1951

1951. *Litholestes* Grandjean, *Série A. Zoologie,* **4**(1): 1-50.

18. ***Litholestes altitudinis*** Grandjean, 1951

1951. *Litholestes altitudinis* Grandjean, *Mémoires Du Muséum, Zoologie,* **4**(1): 21.

Material Examined: Pune, Sinhagarh Fort, 7♀, 10.xii.2013, from soil & litter, coll. D.N Adagale, 4954/17/ZSIHQ.

Diagnosis: 10 pairs of notogastral setae present; epimeral region with polygonal, reticulate structure.

Distribution: India: Maharashtra. Elsewhere: Europe.

8. Family MICROZETIDAE Grandjean, 1936

15. Genus ***Orthozetes*** Balogh, 1962

1962. *Orthozetes* Balogh, *Opusc. Zool. Budapest,* **4**: 35-38.

19. ***Orthozetes dispar*** Balogh, 1962

1962. *Orthozetes* Balogh, *Opusc. Zool. Budapest,* **4**: 35-38.

Material Examined: Ratnagiri, Ratnagiri Fort, 1♀, 25.ix.2013 from soil & litter, coll. S. Acharya, 4990/17/ZSIHQ.

Diagnosis: Lamellar cuspis arcuately incised; lamellar setae with flagellate end; rostral setae finely ciliate; interlamellar setae not extremely long

or peculiarly modified interlamellar setae; rostrum arcuately truncate with small median tooth.

Distribution: India: Maharashtra. Elsewhere: South America.

9. Family EREMULIDAE Grandjean, 1965

16. Genus ***Eremulus*** Berlese, 1908

1908. *Eremulus* Berlese, *Redia*, **5**: 10.

Key to the species of *Eremulus*

1(2) Sensillus bristles like with minute setae throughout; a chitinous undulating band across the anterior part of notogaster.....*avenifer*

2(1) Sensillus loosely plumose; no chitinous undulating band across the anterior part of notogaster.....*flagellifer*

20. ***Eremulus avenifer*** Berlese

1913. *Eremulus avenifer* Berlese, *Redia*, **9**: 96.

1983. *Eremulus avenifer,* Chakrabarti and Mondal, *Indian J. Acar.,* **8**(1): 40.

Material Examined: Chandrapur, Wadgaon vill., 1♀, 28.vii.2014, from Kapas field, 5071/17/ZSIHQ; Gondia, Devaki vill., 1♀, 1♂, 31.vii. 2014, from kapas field, coll. S. Acharya, 5067/17/ZSIHQ.

Diagnosis: Prodorsum with four longitudinal ridges; sensillus bristles like with minute setae throughout; two or three rows of many distinct pores arranged transversely on the anterior margin of notogaster; notogastral setae 11 pairs, unilaterally barbed; genital setae 6 pairs.

Distribution: India: West Bengal, Nagaland, Manipur, Kashmir, Maharashtra. *Elsewhere*: Cosmopolitan.

21. ***Eremulus flagellifer*** Berlese

1908. *Eremulus flagellifer* Berlese, *Redia*, **5**: 10.

1981. *Eremulus flagellifer,* Bhattacharya, Joy and Joy, *J. Soil Biol. Ecol.*, **1**: 32.

Material Examined: Chandrapur, Wadgaon, 1♀, 28.vii.2014, from kapas field, 5072/17/ZSIHQ; Chandraqpur, Chimur vill., 1♀, 28.vii.2014, from Kapas field, 5075/17/ZSIHQ; Bhandara, Tumsar vill., 1♀, 3.viii.2014, from kapas field, coll. S. Acharya, 5073/17/ZSIHQ.

Diagnosis: Four distinct constulae on prodorsum; rostral and lamellar setae long, simple; interlamellar setae small, simple, originating near each other; notogastral setae 11 pairs, fine, sometimes flagellate apices; genital setae 6 pairs.

Distribution: India: West Bengal, Kerala, Maharashtra. *Elsewhere*: Africa, Europe, Indonesia, New Zealand, North America.

10. Family EREMOBELBIDAE Balogh, 1961

17. Genus ***Eremobelba*** Berlese, 1908

1908. *Eremobelba* Berlese, *Redia*, **5**(1): 9.

22. ***Eremobelba*** sp.

11. Family BASILOBELBIDAE Balogh, 1961

18. Genus ***Basilobelba*** Balogh, 1958

1958. *Basilobelba* Balogh, *Rev. Zool. Bot. Afr.*, **58**: 9.

23. ***Basilobelba*** sp.

12. Family TECTOCEPHEIDAE Grandjean , 1954

19. Genus ***Tectocepheus*** Berlese, 1896

1896. *Tectocepheus* Berlese, *Redia,* **9**: 91.

24. ***Tectocepheus velatus*** (Michael, 1880)

1880. *Tectocepheus velatus* (Michael), *Journ. Roy. Micr. Soc.*, **3**(2): 190.

Material Examined: Nashik, Shinde vill., 1♀, 09.ix.2012, from grape orchard, coll. S. Acharya, 4942/17ZSI HQ; Nashik, Trimbakeswar, 1♀, 09.ix.2012, 4943/17/ZSI HQ; Nashik, Salara vill., 1♀, 09.ix.2012, from methi field, 4944/17ZSI HQ; Raigad, Kihim vill., 1♀, 22.ix.2013, from soil & litter, 5030/17/ZSIHQ; Ratnagiri, Basari village, 1♀, 25.ix.2013, from soil & litter, coll. S. Acharya, 5029/17ZSI HQ.

Diagnosis: Rostrum trifid; lamellae large detached blades lying nearly horizontal, extend beyond the lateral margin of the cephalothorax; translamella distinct; rostral and lamellar setae curved inward and barbed unilaterally; interlamellar setae minute, smooth, inserted near the base of lamellae.

Distribution: India: West Bengal, Orissa, Bihar, Himachal Pradesh, Sikkim, Maharashtra.

Elsewhere: Africa, Central Asia, Easter Is, Europe, Fiji, Indonesia, Japan, Jordon, New Zealand, North America, Pakistan, South America, Spitsbergen, Tonga Is, Turkey.

13. Family OTOCEPHEIDAE

20. Genus ***Dolicheremaeus*** Jacot, 1938

1938. *Dolicheremaeus* Jacot, *Florida Ent*., **21**(4): 51.

25. ***Dolicheremaeus papuensis*** Aoki, 1967

1967. *Dolicheremaeus papuensis* Aoki, *Bull. Nat. Sci. Mus. Tokyo,* **10**(3): 308.

Material Examined: Pune, Sinhagad Fort, 24♀, 10.xii.13, from soil, coll. D.N Adagale, 4956/17/ ZSIHQ.

Diagnosis: Rostral and lamellar setae slightly barbed unilaterally; notogaster broadly rounded posteriorly, ten pairs of notogastral setae rather blunt at tips, minutely and sparsely barbed; anal aperture parallel sided, anal setae shorter than the width of anal plate; 3 pairs of adanal setae ad_3 shorter than ad_1 and ad_2.

Distribution: India: Uttarakhand, Maharashtra. Elsewhere: New Guinea.

14. Family CERATOZETIDAE Jacot, 1925

21. Genus ***Hypozetes*** Balogh, 1959

1959. *Hypozetes* Balogh, *Acta Zool. Hung*., **5**: 241-253.

26. ***Hypozetes laysanensis*** Aoki, 1964

1964. *Hypozetes laysanensis* Aoki, *Pacific Insects*, **7**: 301-308.

Material Examined: Pune, Sinhagad Fort, 24♀, 10.xii.13, from soil, coll. D.N Adagale, 4949/17/ ZSIHQ.

Diagnosis: Rostrum tricuspidate; rostral setae densely barbed on each side and situated on apophyses; lamellar and interlamellar setae minutely barbed; sensillus with a finely barbed club-shaped head; notogastral setae 10 pairs, minutely barbed; sacculi Sa placed closer to *ti* than to *te*.

Distribution: India: West Bengal, Tripura, Mizoram, Maharashtra. *Elsewhere*: Europe.

15. Family OPPIIDAE Grandjean,1951

Key to the genera of Oppiidae

1(2) Interlamellar setae absent..... *Amerioppia*

2(1) Interlamellar setae present

3(4) Three pairs of posteromarginal setae shorter than other setae ..... *Lasiobelba*

4(3) Posteromarginal setae usually not shorter than other setae..... *Oppia*

5(6) Lamellar hairs are about as long as their mutual distance..... *Brachioppiella*

6(5) Lamellar hairs are half to two third as long as their mutual distance ..... *Multioppia*

22. Genus ***Amerioppia*** Hammer 1961

1961. *Amerioppia* Hammer, *Biol. Skr*., **13**(1): 55.

27. ***Amerioppia*** sp.

Remarks: This genus is recorded for the first time from Maharashtra.

23. Genus ***Lasiobelba*** Aoki, 1965

1965. *Lasiobelba* Aoki, *Bull. Bio. Geo. Sco. Jap.,* **21**(1): 5.

28. ***Lasiobelba remota*** Aoki, 1959

1959. *Lasiobelba remota* Aoki, *Bull. Biogeogr. soc. Japan*, **21**: 1-22.

Material Examined: Ahmednagar, Hibargaon vill., Sangamner Khurd, 1♀, 8.ix.2012, soil from Pomegranate garden, 4858/17/ZSIH ; Nashik, Shinde Vill., 1♀, 9.ix.2012, 4854 /17/ZSIHQ; Nashik, Sinnor Vill., 13 ♀, 9.ix.2012, from chili field soil, coll. S. Acharya, 4855/17/ZSIHQ; Aurangabad, Sillod Vill., 16♀, 13.ix.2012, from corn field soil, 4856/17/ZSIH ; Aurangabad, Ellora Cave No. 34, 1♀, 15.ix.2012, soil from ornamental plant, 4853/17/ZSIHQ; Manmad, Panwari Vill., 2♂ 20.ix.2012, from soil, coll. A. Chatterjee, 4857/17/ZSIHQ.

Diagnosis: Rostrum with protruding ledge; notogastral setae *p*1–*p*3 clearly distanced from each other; body size: 940–1030 × 620–650.

Distribution: India: Maharashtra. Elsewhere: Japan, Vietnam.

29. ***Lasiobelba kuehnelti*** (Csiszar, 1961)
(= *Oppia kuehnelti* Csiszar, 1961)

1961. *Oppia kuehnelti* Csiszar, *Acta zool. Hung*., **7**: 345-366.

Material Examined: Nashik, Shinde vill., 1♀, 09.ix.2012, 4866/17/ZSIHQ; Nashik, Sinnor Village, 1♀, 09.ix.2012, from soil & litter, 4867/17/ZSIHQ; Pune, 13♀, Sinhagad Fort, 10.xii.13, from soil, coll. D.N Adagale, 4952/17/ZSIHQ; Raigad, Nagaon vill.,1♀, 22.ix.2013, 4989/17/ZSIHQ; Chandrapur, Khambara vill., 1♀, 28.vii. 2014, from soil & litter, coll. S. Acharya, 5086/17.

Diagnosis: Sensillus elongated, slightly fusiform apically; interlamellar hairs long, lamellar and rostral hairs short, arched forward; notogaster broadly ovate, widely margined anteriorly; 10 pairs of notogastral hairs; 5 pairs of genital hairs.

*Distribution***:** India: West Bengal, Assam, Kerala, Tripura, Sikkim, Manipur, Gujarat, Arunachal Pradesh, Mizoram. *Elsewhere*: Java.

24. Genus ***Brachioppiella*** Hammer, 1962

1962. *Brachioppiella* Hammer, *Biol. Skr. Dan. Vid. Selsk*., **13**: 1-17.

30. ***Brachioppiella periculosa*** Hammer, 1962

1962. *Brachioppiella* Hammer, *Biol. Skr. Dan.Vid. Selsk*., **13**: 1-17.

Material Examined: Mumbai, Aarey colony, 1♀, 13.ix.2013, from soil & litter, coll. S. Acharya, 4964/17/ZSI HQ.

Diagnosis: The rostral hairs, which are faintly feathered and only a little longer than their mutual distance, are situated on the dorsal side of the rostrum; the middle field of propodosoma is bounded anteriorly by the translamellar ridge laterally by very faint lamellar ridges which may be missing or abrupt.

Distribution : India: Uttarakhand, Maharashtra. Elsewhere: South America, New Zealand.

25. Genus ***Multioppia*** Hammer, 1961

1961. *Multioppia* Hammer, *Biol. Skr. Dan. Vid. Selsk.*, **13**(1): 61.

31. ***Multioppia stellifera*** Hammer, 1961

1961. *Multioppia stellifera* Hammer, *Biol. Skr. Dan. Vid. Selsk*., **13**(1): 63.

Material Examined: Raigad, Kihim Village, 1♀, 22.ix.2013, from soil & litter, coll. S. Acharya, 5030/17/ZSIHQ.

Diagnosis: Rostral setae feathered proximally, smooth in distal third; a faint line in front of rostral setae; lamellar setae feathered, much smaller than rostral setae; interlamellar setae erect and short; sensillus with compressed head, broadest at the tip, with 12-15 radiating smooth bristles along its outer border, head looks like small star; notogastral setae 12 pairs, short, thin; general setae 5 pairs.

Distribution : India: West Bengal, Uttar Pradesh, Maharashtra. Elsewhere: South America.

26. Genus ***Kokoppia*** Balogh, 1983

1983. *Kokoppia* Balogh, *Acta Zool. Acad. Sci. Hung.*, **29**(4): 283-301.

32. ***Kokoppia*** sp.

16. Family CHAUNOPROCTIDAE

27. Genus ***Chaunoproctus*** Pearce, 1906

1906. *Chaunoproctus* Pearce, *Journ. Roy. Micr. Soc*., 271.

33. ***Chaunoproctus minor*** (Balogh, 1958)

1958. *Caloppia minor* Balogh, *Rev. Zool. Bot. Afr*., **58**(1-4): 11.

Material Examined: Pune, Sinhagad Fort, 24♀♀, 10.xii.13, from soil, coll. D.N Adagale, 4958/17/ ZSIHQ.

Diagnosis: Prodorsal setae barbed; lamellar setae longer than rostral setae; sensillus with clavate granulated head; all prodorsal setae except *ta*, p_2 and p_3 long and barbed.

Distribution: India: West Bengal, Kerala, Maharashtra. *Elsewhere*: Africa.

17. Family SCHELORIBATIDAE Jacot, 1935

28. Genus ***Scheloribates*** Berlese, 1908

1908. *Scheloribates* Berlese, *Redia*, **5**: 2.

34. ***Scheloribates curvialatus*** Hammer, 1961

1961. *Scheloribates curvialatus* Hammer, *Biol. Skr. Dan Vid. Selsk*., **21**(4): 35.

Material Examined: Akola, Kumbhari vill., 1♀, 04.ix.2012, from cow dung, coll. A. Chatterjee; 4906/17/ZSIHQ; Pune, Sinhagarh fort, 1♀, 06.ix.2012, from moss, coll. D.N Adagale; 4907/17/ZSIHQ; Pune, Hadapsar, Panmala, 6♀♀, 7.ix.2012, from paddy field, 4917/17/ZSIHQ; 9♀♀, Hibargaon vill., 08.ix.2012, from Pomegranate field, 4908/17/ZSIHQ; Nashik, Shinde vill., 28 ♀♀, 29♂♂, 09.ix.2012, from grape field, 4909/17/ZSIHQ; Nashik, Sinnor vill., 1♀, 09.ix.2012, from Pomegranate field, 4910/17/ ZSIHQ; Aurangabad, Fulambri vill., 1♀, 13.ix.2012, 4911/17/ZSIHQ; Aurangabad, Fulambri vill., 6♀♀, 13.ix.2012, from corn field; coll. S. Acharya, 4899/17/ ZSIHQ; Aurangabad, Ajanta cave, 1♀, 14.ix.2012, from ornamental plant soil, coll. A Chatterjee; 4900/17/ZSIHQ; Aurangabad, Daulatabad Fort, 10♀, 13.ix.2012, from corn field; 4912/17/ZSIHQ; Mumbai, Andheri, Aarey Colony, 1♀, 13.ix.2013, from soil & litter, coll. S Acharya, 5019/17/ZSIHQ; Daulatabad, Ajanta Cave, 2♀♀, 14.ix.2012, from soil; 4914/17/ZSIHQ; Aurangabad, Ellora cave, 1♀, 15.ix.2012, from ornamental plant soil, coll. A. Chatterjee, 4901/17/ZSIHQ; Mumbai, Andheri, Mahakali Cave, 2♀♀, 15.ix.2013, from soil & litter, 5017/17/ZSIHQ; Aurangabad, Daulatabad Fort, 9♀♀, 1♂, 16.ix.2012, from Fort hilltop, coll. S. Acharya, 4913/17/ZSIHQ; Aurangabad, Salara vill., 11♀♀, 16.ix.2012, from corn field, 4903/17/ZSIHQ; Aurangabad, Daulatabad Fort, 1♀, 16.ix.2012, from fort hill top soil, 4902/17/ZSIHQ; Aurangabad, Deoli vill., 6♀♀, 17.ix.2012, 4904/17/ZSIHQ; Manmad, Nandgao vill, 6♀♀, 19.ix.2012 from Soil & litter, 4905/17/ZSIHQ; 2♀♀, Panwari, Manmad, 20.ix.2012, from soil, coll. A. Chatterjee; 4915/17/ZSIHQ; Raigad, Varsoli Sea Beach,1♀, 21.ix.2013, coll. S. Acharya, 5016/17/ZSIHQ; Raigad, Nagaon vill. 1♀, 22.ix.2013, 5015/17/ZSIHQ; Ratnagiri, Ratnagiri Fort, 5♀♀, 25.ix.2013, 5018/17/ZSIHQ; Ratnagiri, Basari Village, 3♀♀, 25.ix.2013, 5020/17/ZSIHQ; Nagpur, Dikshabhumi,1♀, 24.vii.2014, 5098/17/ZSIHQ; 1♀, Nagpur, Dikshabhumi, 24.vii.2014, 5099/17/ZSIHQ; Chandrapur, Khambara vill., 21♀, 28.vii.2014, from soil & litter, coll. S. Acharya; 5084/17/ZSIHQ

Diagnosis: Prodorsal setae feathered; lamellar setae very thick, long, situated on a tooth; sensillus evenly thicker towards the tip like rounded club, set with fine scales; notogastral setae not discernible; genital setae 4 pairs.

Distribution: India: West Bengal, Himachal Pradesh, Uttar Pradesh, Maharashtra. Elsewhere: South America.

35. ***Scheloribates huancayensis*** Hammer, 1961

1961. *Scheloribates huancayensis* Hammer, *Biol. Skr. Dan Vid. Selsk.*, **21**(4): 35.

Material Examined: Akola, Kumbhari vill., 5♀♀, 3♂♂, 4.ix.2012, from cow dung, coll. S. Acharya, 4935/17/ZSIHQ; Akola, Sisa vill., 3♀♀, 4.ix.2012 from jawar field, 4926/17/ZSIHQ; Pune, Panshet vill., 3♀♀, 6.ix.2012 from soil & grape field, 4927/17/ ZSIHQ; Pune, Hadapsar, Panmala, 15♀♀, 4♂♂, 7.ix.2012, from soil, 4924/17/ZSIHQ; Ahmednagar, Hibargaon vill., 8♀♀, 8.ix.2012, from Pomegranate field, 4925/17/ZSIHQ; Nashik, Sinnor vill., 4♀♀, 9.ix.2012, from Pomegranate field, 4936/17/ZSIHQ; Nashik, Trimbakeswar, 22♀♀, 8♂♂, 9.ix.2012, from methi field, 4931/17/ZSIHQ; Nashik, Shinde vill., 9♀♀, 6♂♂, 9.ix.2012, from cow dung, 4928/17/ ZSIHQ; Ahmednagar, Apangaon vill., 1♀, 11.ix.2012, from brinjal field, coll. S. Acharya, 4922/17/ZSIHQ; Aurangabad, Fulambri vill., 1♀, 13.ix.2012 from corn field, 4923/17/ZSIHQ; Aurangabad, Ajanta cave, 12♀♀, 4♂♂, 14.ix.2012, from soil, 4929/17/ ZSIHQ; Aurangabad, Ellora Cave, 6♀♀, 2♂♂, 15.ix.2012, from ornamental plant, 4932/17/ZSIHQ; Aurangabad, Daulatabad Fort, 4♀♀, 1♂, 16.ix.2012, from hill top soil, 4933/17/ZSIHQ; Aurangabad, Salara vill., 17♀♀, 4♀♀, 17.ix.2012, from corn field, 4930/17/ZSIHQ; Manmad, Nandgao vill., 12♀♀, 2♂♂, 19.ix.2012, from soil, coll. A. Chatterjee, 4934/17/ZSIHQ; 8♀♀, Kurla drainage area, Andheri, Mumbai, 14.ix.2013, 5024/17/ZSIHQ; Raigad, Varsoli Sea Beach, 4♀♀, 21.ix.2013, 5023/17/ZSIHQ; Raigad, Nagaon vill., 45♀♀, 22.ix.2013, 5022/17/ZSIHQ; Ratnagiri, Basari vill., 8♀♀, 25.ix.2013, from soil & litter, 5025/17/ZSIHQ; Nagpur, Bharatwada vill., 1♀, 2♂♂, 23.vii.2014, from corn field, 5070/17/ ZSIHQ; Wardha, Warud vill., 1♀, 26.vii.2014, from corn field, 5065/17/ ZSIHQ; Gondia, Dhakani vill., 1♀, 31.vii.2014, from corn field, 5066/17/ ZSIHQ; Gondia, Birchi vill., 1♀, 31.vii.2014, from jawar field, coll. S. Acharya, 5092/17/ ZSIHQ.

Diagnosis: Prodorsal setae feathered; lamellar setae very thick, long, situated on a tooth; sensillus

evenly thicker towards the tip like rounded club, set with fine scales; notogastral setae not discernible; genital setae 4 pairs.

Distribution: India: West Bengal, Assam, Himachal Pradesh., Maharashtra. Elsewhere: South America.

36. ***Scheloribates albialatus*** Hammer, 1961

1961. *Scheloribates albialatus* Hammer, *Biol. Skr. Dan. Vid. Selsk.,* **13**(1): 94.

Material Examined: Pune, Hadapsar, Panmala, 1♀, 7.ix.2012, from soil, coll. S. Acharya, 4894/17/ ZSIHQ; Ahmednagar, Hibargaon vill., Sangamner Khurd, 1♀, 8.ix.2012, soil from Pomegrante garden, coll. A. Chatterjee, 4895/17/ZSIHQ; Nashik, Shinde vill., 3♀, 9.ix.2012, from cow dung, coll. S. Acharya, 4898/17/ZSIHQ; Aurangabad, Fulambri vill., 2♀, 13.ix.2012, from corn field soil, 4896/17/ZSIHQ; Aurangabad, Ajanta Cave No. 16, 2♀, 14.ix.2012, from soil, coll. A. Chatterjee, 4897/17/ZSIHQ.

Diagnosis: The hysterosoma is as broad as it is long and apart from the pteromorphae it is circular; the rostral hairs are serrated and barbed; the pseudostigmatid organs have a short round disc – shaped head set with short scales; in the lateral border of pteromorphae there are a few low incurvations.

Distribution: India: Maharashtra, West Bengal. *Elsewhere*: South America.

37. ***Scheloribates giganteus*** Hammer (1961)

1961. *Scheloribates giganteus* Hammer, *Biol. Skr. Dan. Vid. Selsk.,* **13**(1): 92.

Material Examined: Akola, Kumbhari vill., 1♀, 4.ix.2012, from cow dung, 4920/17/ZSIHQ; Pune, Hadapsar, Panmala, 1♀, 7.ix.2012, soil from paddy field, 4919/17/ZSIHQ; Nashik, Shinde vill., 1♀, 9.ix.2012, soil from chili field, coll. S. Acharya, 4921/17/ZSIHQ; Aurangabad, Daulatabad Fort, 1♀, 16.ix.2012, soil from Fort hill top, coll. A. Chatterjee, 4918/17/ZSIHQ.

Diagnosis: The propodosoma is much broader than it is long; the hysterosoma is very broad and only a little longer than broad; the rostral, the lamellar and the interlamellar hairs are rather thin; the pseudostigmatid organs are extremely short; the anterior border of hysterosoma is a broad low arch and the shoulders are rounded, though with a barely pronounced edge.

Distribution: India: Maharashtra. Elsewhere: Argentina, Bolivia, Peru.

18. Family HAPLOZETIDAE

29. Genus ***Peloribates*** Berlese

1908. *Peloribates* Berlese, *Redia,* **5**: 3.

38. ***Peloribates longisetosus*** (Willman, 1930)

1930. *Peloribates longisetosus* (Willmann), *Zool. Anz. Leipzig*, **88**(9-10): 239-246.

Material Examined: Ahmednagar, Hibargaon vill., Sangamner Khurd, 7♀♀, 8.ix.2012, soil from Pomegrante garden, 4882/17/ ZSIHQ; Nashik, Shinde vill., 1♀, 9.ix.2012, soil from chili field soil, 4883/17/ ZSIHQ. Gondia, Ambavan vill., 1♀, 31.vii.2014, kapas field, coll. S. Acharya, 5083/17.

Diagnosis: Notogaster only slightly longer than wide; notogastral setae long, setae *la* as long or longer than distance *la-da*; notogastral setae equally thick throughout and rather stiff.

Distribution: India: Himachal Pradesh, Uttar Pradesh, Maharashtra. *Elsewhere*: Cosmopolitan.

39. ***Peloribates grandis*** (Willman, 1930)

1930. *Peloribates grandis* (Willman), *Zool. Anz.*, **88**: 239-246.

Material Examined: Bhandara, Tumsar vill., 1♀, 3.viii.2014, 5087/17/ZSIHQ; Chandrapur, Khambara vill., 1♀, 28.vii.2014, from soil & litter, coll. S. Acharya, 5078/17/ZSIHQ.

Diagnosis: Large species; notogastral setae short, setiformL: 705-780μmW: 555-600 μm

Distribution: India: Maharashtra. Elsewhere: Guatemala.

30. Genus ***Protoribates*** Berlese

1908. *Protoribates* Berlese, *Redia*, **5**: 1-15.

40. ***Protoribates (P.) magnus*** (Aoki, 1982) **(= *Xylobates magnus*** Aoki, 1982**)**

1982. *Xylobates magnus* Aoki, *Bull. Inst. Sci. Tech. Yokohama Natn. Univ*. **8**: 173-188.

Material Examined: Mumbai, Dadar Railway Colony, 1♀, 13.ix.2013, 4996/17; Mumbai, Andheri, Aarey Colony, 1♀, 13.ix.2013, 4997/17/ZSIHQ; Mumbai, Andheri, Kurla drainage area, 11♀♀, 14.ix.2013, 4995/17/ZSIHQ ; Mumbai, Dadar Nursery Area, 6♀♀, 14.ix.2013, 4998/17/ZSIHQ; Mumbai, Andheri, Mahakali Cave, 4♀♀, 15.ix.2013, 5001/17/ZSIHQ; Thane, Brindavan Village, 1♀, 16.ix.2013, 5003/17/ZSIHQ; Raigad, Varsoli Sea Beach, 39♀♀ 21.ix.2013, 5000/17/ZSIHQ; Raigad, Varsoli Sea Beach, 4♀♀, 21.ix.2013, 5004/17/ZSIHQ; Raigad, Nagaon vill.,4♀♀, 22.ix.2013, 4994/17/ZSIHQ; Mumbai, Aarey colony, 4997/17/ZSIHQ; Raigad, Mandavgaon, 4♀♀, 22.ix.2013, 4999/17/ZSIHQ; Raigad, Kihim Village, 14♀♀, 22.ix.2013, 5002/17/ZSIHQ; Raigad, Nagaon vill., 1♀, 22.ix.2013, 5005/17/ZSIHQ; Wardha, Maganwada vill., 1♀, 26.vii.2014, 5100/17/ZSIHQ; Chandrapur, Khambara vill., 1♀, 28.vii.2014, 5080/17/ZSIHQ; Nagpur, Dikshabhumi vill., 1♀, 28.vii.2014, 5096/17/ZSIHQ; Bhandara, Tiroda vill., 1♀, 3.viii.2014, from soil & litter, coll. S. Acharya, 5093/17/ZSIHQ.

Diagnosis: Bothridium bearing a scale-like appendage posterolaterally; sensillus bending toward posterolateral direction and bearing a lanceolate head which has one arched border and the other almost straight border; genital as well as anal opening nearly as long as wide; genital opening small, about l/2.5 of anal opening; genital plate set with 5 setae.

Distribution: India: Himachal Pradesh, Maharashtra. *Elsewhere*: Cosmopolitan.

Remarks: The species is recorded for the first time from Maharashtra.

31. Genus ***Trachyoribates*** Berlese, 1908

1908. *Trachyoribates* Berlese, *Redia*, **5**(1): 3.

41. ***Trachyoribates ovulum*** Berlese

1908. *Trachyoribates (Rostrozetes) ovulum* Berlese, *Redia,* **5**(1): 3.

Material Examined: Mumbai, Andheri, Aarey Colony, 1♀, 13.ix.2013, 5012/17/ZSIHQ; Thane, Kopri Pole Area, 1♀, 17.ix.2013, 5014/17/ZSIHQ; Thane, D.F.O. Office Area, 3♀♀, 19.ix.2013, 5009/17/ZSIHQ; Raigad, Kihim vill., 2♀♀, 22.ix.2013, 5011/17/ZSIHQ; Ratnagiri, Ratnagiri Fort, 21♀♀ 25.ix.2013, 5006/17/ZSIHQ; Ratnagiri, Ganapatipule Temple, 1♀, 25.ix.2013, 5007/17/ZSIHQ; Ratnagiri, Basari Village, 2♀♀, 25.ix.2013, 5010/17/ZSIHQ; Ratnagiri, Basari Village, 1♀, 25.ix.2013, coll. S. Acharya, 5013/17/ZSIHQ; Pune, Sinhagad Fort, 3♀♀, 10.xii.2013 from soil & litter, coll. D.N. Adagale, 4953/17/ZSIHQ.

Diagnosis: Body distinctly foveolated; prodorsal setae long, thin, unilaterally finely barbed; sensillus with swollen brush-like head; notogastral setae 10 pairs, short, fine; distance between t_1 *–ms* and *ms-h3* almost same; genital setae 5 pairs, minute, fine.

Distribution: India: West Bengal, Bihar, Tripura, Himachal Pradesh, Maharashtra. Elsewhere: Africa, Europe. Fiji, Indonesia, Japan, New Zealand, North America, Samoa, South America, Tahiti Is, Tonga Tapu Is.

32. Genus ***Setoxylobates*** Balogh & Mahunka

1967. *Setoxylobates* Balogh & Mahunka, *Acta Zool. Acad. Sci. Hung.*, **23**(1-2): 59.

42. ***Setoxylobates foveolatus*** Balogh & Mahunka

1967. *Setoxylobates* Balogh & Mahunka, *Acta Zool. Acad. Sci. Hung.*, **23**(1-2): 59.

Material Examined: Mumbai, Andheri, Aarey Colony, 1♀, 13.ix.2013, 5027/17/ZSIHQ; Ratnagiri, Ganapatipule Temple, 3♀♀, 25.ix.2013, 5026/17/ZSIHQ; Ratnagiri, Ganapatipule Temple, 3♀♀, 25.ix.2013, from soil & litter, coll. S. Acharya, 5028/17/ZSIHQ.

Diagnosis: Body foveolated; the whole rostral and interlamellar setae and apical half of lamellar setae weakly barbed; sensillus reclinate, apically fusiform, unilaterally barbed; 4 pairs of areae porosae; notogastral setae 14 pairs, minute; pteromorphae movable; genital setae 5 pairs; epimeral setal formula 3-1-2-2.

Distribution: India: West Bengal, Tripura, Maharashtra. *Elsewhere*: Vietnam.

19. Family CHAMOBATIDAE Grandjean, 1954

33. Genus ***Pedunculozetes*** Hammer, 1962

43. ***Pedunculozetes andinus*** Hammer

1967. *Setoxylobates* Balogh & Mahunka, *Acta Zool. Acad. Sci. Hung.*, **23**(1-2): 59.

Material Examined: Ahmednagar, Nimtharak vill, 1♀, 11.ix.2012, 5026/17/ZSIHQ; 1♀, Phulambari vill, Aurangabad, 13.ix.2012, from soil & litter, coll. S. Acharya, 5026/17/ZSIHQ.

Diagnosis: The hysterosoma is very arched and almost globular, whereas the propodosoma is at much a deeper level; the propodosoma is short and narrow as compared with the hysterosoma.; the rostrum is broadly conical and the rostral hairs, which are situated on the lateral border, only reach just beyond the tip of the rostrum.

Distribution: India: West Bengal, Tripura, Maharashtra. *Elsewhere*: South America, New Zealand.

20. Family MOCHLOZETIDAE Grandjean, 1980

34. Genus ***Unguizetes*** Sellnick

1925. *Unguizetes* Sellnick, *Treubia*, **6**: 473.

44. ***Unguizetes clavatus*** Aoki

1967. *Unguizetes clavatus* Aoki, *Nat. Life Southeast Asia*, **5**: 195.

Material Examined: Nashik, Trimbakeshwar, 1♀, 09.ix.2012, soil from methi field, coll. S. Acharya, 4946/17/ZSIHQ; Aurangabad, Deoli vill., 1♀, 17.ix.2012, soil from corn field, coll. A. Chatterjee, 4945/17/ZSIHQ.

Diagnosis: Lateral side of rostrum with crest; translamella carries a projection in the middle and one crest behind; prodorsal setae rough; sensillus clavate-shaped with few fine bristles on the head; notogastral setae represented by 7 pairs of alveoli; genital setae 6 pairs.

Distribution: India: Uttar Pradesh, West Bengal, Maharashtra. *Elsewhere*: Japan, Thailand.

21. Family ORIBATELLIDAE Jacot, 1925

35. Genus ***Oribatella*** Banks, 1895

1895. *Oribatella* Banks, *Trans. Am. ent. Soc.,* **22**: 8.

45. ***Oribatella palustris*** Hammer 1962

1962. *Oribatella palustris* Hammer, *BioI. Skr. Dan. Vid. Selsk.*, **13**: 1-96.

Material Examined: Thane, Majiwara, 1♀, 16.ix.2013, 4986/17/ZSIHQ; Raigad, Kihim vill., 2♀, 22.ix.2013, 4987/17/ZSIHQ; Ratnagiri, Ratnagiri Fort, 5♀♀, 25.ix.2013, 4984/17/ZSIHQ; Ratnagiri, Basari Village, 1♀, 25.ix.2013, from soil & litter, 4985/17/ZSIHQ; Chandrapur, Chimur vill., 1♀, 28.vii. 2014, 5091/17/ZSIHQ; Gondia, Devaki vill., 1♀, 31.vii. 2014, from kapas field, coll. S. Acharya, 5068/17/ZSIHQ.

Diagnosis: Inner cuspides of lamellae rounded, outer lamellar cuspides tapering into a short and sharp point; lamellar setae equally very thick throughout, rough; interlamellar setae long, rough; sensillus club–shaped, tip pointed, beset with short setae; notogastral setae 9 pairs; genital setae 6 pairs.

Distribution : India: West Bengal, Bihar, Tripura, Uttar Pradesh, Maharashtra. *Elsewhere*: Fiji, Indonesia, New Zealand, Pakistan, Seychelles, South America, Thailand, Tonga Tapu Is.

22. Family GALUMNIDAE Jacot, 1925

36. Genus ***Galumna (Galumna)*** Heyden

1826. *Galumna (Galumna*) Heyden, *Isis (Oken), Oken*, **18**: 611.

46. ***Galumna*** sp.

DISCUSSION

The study of oribatid fauna of Maharashtra was first done by Narsapur (1983) from the soils of the state. Later Sanyal (1984) studied soil mites of Maharashtra and published one paper containing description of two new species. Till then no other attempt has been made. The assessment of oribatid fauna of Maharashtra shows that only three species under two genera and two families were known before the present work was started. The paper includes 46 species of oribatid mites belonging to 36 genera and 22 families of these 43 species, 34 genera and 20 families are reported here for the first time from Maharashtra. It also records 10 species under 9 genera from India for the first time.

The analysis of the present account shows that 7% of Indian oribatid fauna are known from Maharashtra.

It is also noted that *Notophthiracarus (Calyptophthiracarus) pavidus pavidus* (Berlese,

1913), *Heptacarus neotropicus* Mahunka (1985) *Haplacarus bhadurii* Sanyal (1984), *Haplacarus maharashtraensis* Sanyal(1984), *Gymnodamaeus glaber* (Mihelčič, 1957), *Litholestes altitudinis* Grandjean (1951), *Orthozetes dispar* Balogh (1962), *Lasiobelba remota* Aoki (1959), *Scheloribates giganteus* Hammer (1961) and *Peloribates grandis* (Willman, 1930) are to be considered as endemic. Further, the species *Scheloribates curvialatus* Hammer, (1961), *Scheloribates huancayensis* Hammer (1961) and *Protoribates (P.) magnus* (Aoki, 1982) are most common and abundant in occurrence. The result shows that Aurangabad, Nashik, Ratnagiri, Chandrapur and Nagpur districts occupy highest position in respect of faunal composition.

SUMMARY

The paper deals with the Oribatid fauna collected from Maharashtra. Altogether 46 species of oribatid mites belonging to 36 genera and 22 families have been recorded. Before understanding the present work only 3 species under 2 genera and 2families were known from the state. The present study records 43 species, 34 genera and 20 families as the first record from Maharashtra. In addition, 10 species under 9 genera are recorded from India for the first time. The important references, diagnostic features and distribution in India and elsewhere for the species have been incorporated.

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