

May 2022

VOL. 32
SUPPLEMENT 1

TROPICAL LEPIDOPTERA Research



Shahabab Ahmad Farooqui and Hina Parwez. 2022. Moths of Uttar Pradesh, India (Lepidoptera).
Tropical Lepidoptera Research 32(Supplement 1): 1-47. DOI: 10.5281/zenodo.6543682

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VOLUME 32 (Supplement 1)

May 2022

ISSUE INFORMATION

Shahabab Ahmad Farooqui and Hina Parwez. 2022. Moths of Uttar Pradesh, India (Lepidoptera). *Tropical Lepidoptera Research* 32(Supplement 1): 1-47. DOI: 10.5281/zenodo.6543682.

Date of issue: 18 May 2022

Electronic copies (Online ISSN 2575-9256) in PDF format at:

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Front Cover - *Pergesa acteus* (Sphingidae, Macroglossinae), India, photo by Kazi Sabnam Siddiqua.

Inside Back Cover - *Aegocera venulia* (Noctuidae, Agaristinae), India, photo by Shahabab Ahmad Farooqui.

Back Cover - *Trabala vishnou* (Lasiocampidae, Lasiocampinae), India, photo by Kazi Sabnam Siddiqua.

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TROPICAL LEPIDOPTERA RESEARCH (Print: ISSN 1941-7659; Online 2575-9256) is published semi-annually (June and December) by the Association for Tropical Lepidoptera, Inc. Membership is open to all persons interested in Lepidoptera. Membership applications, dues, and other business should be sent to Association for Tropical Lepidoptera, P. O. Box 141210, Gainesville, FL 32614-1210, USA. Visit <http://www.troplep.org> for more information.

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Moths of Uttar Pradesh, India (Lepidoptera)

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Date of issue online: 18 May 2022

Electronic copies (ISSN 2575-9256) in PDF format at: <http://journals.fcla.edu/tropolep>; <https://zenodo.org>; archived by the Institutional Repository at the University of Florida (IR@UF), <http://ufdc.ufl.edu/ufir>; DOI: 10.5281/zenodo.6543682

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Abstract: The present manuscript deals with the first ever compilation of moths (Lepidoptera) from the state of Uttar Pradesh, India, covering a total of 287 species under 204 genera representing 21 families in 12 superfamilies. This list includes 42 species recorded for the first time from the state of Uttar Pradesh: Bombycidae (1 sp.), Eupterotidae (2 spp.), Sphingidae (8 spp.), Uraniidae (1 sp.), Geometridae (9 spp.), Lasiocampidae (2 spp.), Erebidae (1 sp.), Euteliidae (1 sp.), Noctuidae (10 spp.), Nolidae (1 sp.), Notodontidae (1 sp.), Crambidae (4 spp.), and Limacodidae (1 sp.). The list of species was prepared by compiling data from published literature as well as through field sampling carried out at Aligarh District of Uttar Pradesh, and including the study of voucher specimens of 154 species. The family Erebidae was recorded as the most diverse family with 93 species, followed by Crambidae having 53 species, then Noctuidae with 41 species, while six families (Gelechiidae, Euteliidae, Pterophoridae, Thyrididae, Lyonetiidae and Zygaenidae) are each represented by only a single species. Finally, we provide a list of species historically reported from throughout India but whose presence in Uttar Pradesh requires verification.

Key words: Aligarh, distributional ranges, new records, systematic account.

INTRODUCTION

The Order Lepidoptera is one of the mega-diverse insect groups, with 157,424 species in 15,578 genera reported by van Nieukerken *et al.* (2011), and a recent estimate reporting about 13,500 moth species from India (Chandra, 2011). Moths are found in all continents, except Antarctica, inhabiting all terrestrial habitats, and their larvae are associated with higher plants, especially angiosperms (Gullan & Cranston 2005). Due to their enormous diversity and functional importance in the ecosystem, this insect group is regarded as an indicator taxon and potential focal taxon for ecological monitoring (Kitching *et al.*, 2000; New 2004; Summerville *et al.*, 2004; Lomov *et al.*, 2006).

As far as the study of moths from India is concerned, some of the earliest works were by British researchers such as Hampson, Moore, Walker, Meyrick and Clarke. Very few Indian researchers have studied moths in the post-Independence period, but in the last four decades this group has received increasing attention and many publications on specific families are now available. Moreover, an initiative taken by Zoological Survey of India, for the State Fauna series, has helped in covering this group from many Indian states. However, the state of Uttar Pradesh, despite covering a major portion of the Gangetic Plains, has remained neglected as far as study of moths is concerned, with few efforts to study the moth diversity of this state. Although some scattered publications on Lepidoptera are available, most of these cover butterflies, and Chandra (2011) mentioned only 190 species of Lepidoptera (moths and butterflies) from this state.

The present study provides the first ever compilation of moths from the state of Uttar Pradesh. The current boundaries of the state exclude Uttarakhand, formerly Uttaranchal, which was formed on the 9th November 2000 as the 27th State of India, and which formerly represented the northern part of Uttar Pradesh. As a result, records of species from the historically broader "Uttar Pradesh" but which are known only from Uttarakhand have not been included in this paper. Based on field surveys (Table 1), collections and literature, this paper reports 287 species under 204 genera, representing 21 families of 12 superfamilies, from the state of Uttar Pradesh (Table 2). The superfamily Noctuoidea represented the highest diversity, with 147 species in 98 genera and five families. Among families, Erebidae is the most diverse with 93 species in 59 genera, followed by Noctuidae (41 species, 27 genera), Notodontidae (8 species, 7 genera), Nolidae (4 species, 4 genera) and Euteliidae (1 species, 1 genera). Pyraloidea (68 species, 52 genera), Bombycoidea (30 species, 17 genera) and Geometroidea (24 species, 20 genera) also represent significant diversity. This paper also includes 42 species reported for the first time from the state. Species whose distributions were recorded as "throughout India" in previous published literatures are also listed separately (Table 3); some of these species are expected from the state, while others come from habitats not present in the state, so the presence of any of these species in Uttar Pradesh needs to be verified. Though the distribution information provided here is not exhaustive, an effort has been made to provide notes on the distribution of each species within India as well as outside India from published literature, with references to the sources of information.

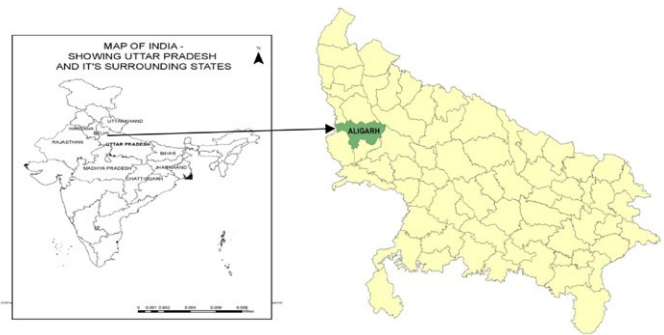
MATERIALS AND METHODS

Literature review: An effort was made to compile information from all publications by different workers, in different states and regions within India, that directly or indirectly included some parts of Uttar Pradesh. Some important publications include: Andaman & Nicobar Islands (Chandra & Kumar, 1992), Kerala (Mathew & Rahamathulla, 1995; Sudheendrakumar & Mathew, 1999; Mathew *et al.*, 2004a, 2004b, 2005, 2007, 2018), Uttarakhand (Nanital, Gangotri, Dehradun) (Smetacek, 2008; Uniyal *et al.*, 2013; Sondhi & Sondhi, 2016), Tamil Nadu (Sivasankaran *et al.* 2011; Sivasankaran & Ignacimuthu, 2014), northern Western Ghats of Maharashtra (Shubhalaxmi *et al.*, 2011; Kalawate, 2018 a), northern Maharashtra (Gurule & Nikam, 2013), Jharkhand, Dalma Wildlife Sanctuary (Sambath, 2014), Assam, Tinsukia (Arandhara *et al.*, 2017), Tamil Nadu (Sivasankaran *et al.*, 2017), West Bengal (Shah *et al.*, 2017, 2018), Bihar & Jharkhand (Singh, 2019), and the Indian Himalayan region (IHR) (Chandra *et al.*, 2019).

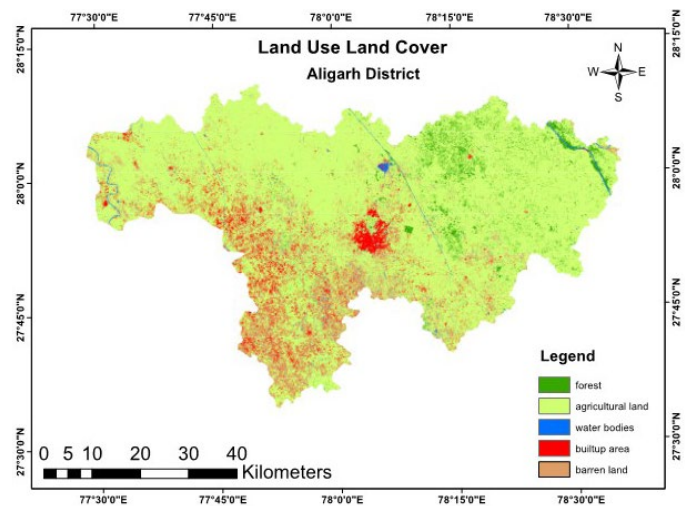
Apart from these publications, some small but significant contributions from different areas or wildlife sanctuaries include Chandra & Nema (2006) from Kanger Valley National Park, Chhattisgarh; Adiroubane & Kuppammal (2010) from Karaikal, Puducherry; Kirti *et al.* (2012) from Western Ghats; Elanchezhian *et al.* (2014) from Maruthamalai hills, Karnataka.; Singh *et al.* (2017, 2018a,b) from Topchanchi WLS, Koderma and NE Jharkhand respectively; Mathew *et al.* (2018) from Vagamon hill station (Western Ghats); Sondhi *et al.* (2018) from Shendurney Wildlife Sanctuary (WLS), Kerala; and Sanyal *et al.* (2018) from Indian Himalaya.

In recent years, efforts were made by many Indian workers to compile checklists of moths of specific families and subfamilies from India as well as from specific states or regions. These include checklists of Pyralidae (Mathew & Menon, 1984), Noctuidae (Sivasankaran *et al.*, 2012), Arctiinae (Singh *et al.*, 2014; Kirti & Singh, 2016), Plusiinae (Shashank & Singh, 2014), Sphingidae (Chandra *et al.*, 2014), Notodontidae (Chandra *et al.*, 2018; Mazumder *et al.*, 2020), Nolinae (Joshi *et al.*, 2019), Drepanidae (Joshi *et al.*, 2020), Tortricidae (Pathania *et al.*, 2020), and Pterophoroidea (Pathania *et al.*, 2021). The most recent studies by Nayak and Ghosh (2020) reported 99 species of moths from Banaras Hindu University, Uttar Pradesh (Varanasi), and Farooqui *et al.* (2020) reported 59 species of the family Erebidae from Uttar Pradesh (Aligarh). The taxonomy follows the most recent literature, LepIndex (Beccaloni *et al.*, 2003), and the Moths of India website (Sondhi *et al.*, 2021).

Study area: The state of Uttar Pradesh is bounded by Uttarakhand in the north-west, Haryana and Delhi in the west, Rajasthan in the south-west, Madhya Pradesh in the south, Chhattisgarh and Jharkhand in the south-east, and Bihar in the east (Map 1). Biogeographically, the state is important since it shares an international border with Nepal in the north. Situated between 23°52'N and 31°28'N latitudes and 77°3' and 84°39'E longitudes, this is the fourth largest state in the country in terms of area, and the largest in terms of population. The state has an abundance of natural resources. Average temperature in the plains varies from 3°C to 4°C in January to 43°C to 45 °C in



Map 1. Map of India and Uttar Pradesh.



Map 2. Satellite map of district Aligarh, Uttar Pradesh, India.

May and June. There are three distinct seasons: winter from October to February, summer from March to mid-June, and the rainy season from June to September.

Aligarh is a city in the state of Uttar Pradesh that is located at approximately 27.88°N 78.08°E. It has an elevation of approximately 178 m (587 feet). The city is in the middle portion of the *doab*, the land between the Ganges and the Yamuna rivers. According to the ISFR (India State of Forest Report) 2019, the total recorded forest area in Uttar Pradesh is 16,582 km², which is 6.88% of the total geographical area (<https://www.edristi.in/india-state-of-forest-report-2019/>) (Map 2). Based on rainfall and vegetation types, the forests of Uttar Pradesh are divided into three types: 1. Tropical Moist Deciduous Forests with annual average rainfall of 100 to 150 cm. 2. Tropical Dry Deciduous Forests with annual average rainfall of 50 to 100 cm. and: 3. Tropical Thorny Forests with annual average rainfall of 50 to 75 cm.

Characteristic flora of the state include shisham (*Dalbergia sissoo*: Fabaceae), dhak (*Butea monosperma*: Fabaceae), teak (*Tectona grandis*: Lamiaceae), mahua (*Madhuca longifolia*: Sapotaceae), salai (*Boswellia serrata*: Burseraceae), chironji (*Buchananiaco chinchenensis*: Anacardiaceae) and tendu (*Diospyros melanoxylon*: Ebenaceae). Herbs include medicinal plants such as Indian snakeroot, devil pepper, or serpentine wood (*Rauwolfia serpentina*: Apocynaceae), Banafsha (*Viola serpens*: Violaceae), mayapple (*Podophyllum* spp.: Berberidaceae), and *Ephedra gerardiana* (Ephedraceae).

Table 1. List of study sites at Aligarh, Uttar Pradesh, India.

S. No.	District	Locality	Coordinates	Alt (m)
1.	Aligarh	AT	27.1732° N, 80.6604° E	136
2.	Aligarh	KH	27.9392° N, 77.8424° E	188
3.	Aligarh	JL	27.8668° N, 78.2519° E	178
4.	Aligarh	JT	28.0233° N, 77.6565° E	193
5.	Aligarh	HG	27.9451° N, 78.1550° E	177
6.	Aligarh	PK	27.8470° N, 78.2732° E	193
7.	Aligarh	BES	27.6400° N, 77.8696° E	176
8.	Aligarh	IG	27.7081° N, 77.9367° E	178
9.	Aligarh	AC	27.9135° N, 78.0782° E	192
10.	Aligarh	AF	27.9285° N, 78.0571° E	178
11.	Aligarh	SBS	27°51'21"N 78°13'06"E	178

Table 2: Summary of moth species reported from Uttar Pradesh, India.

Superfamily	Family	Number of genera	Number of species
Bombycoidea	Bombycidae	2	2
	Eupterotidae	1	2
	Sphingidae	14	26
Gelechioidea	Gelechiidae	1	1
Geometroidea	Geometridae	18	22
	Uraniidae	2	2
Hyblaeoidea	Hyblaeidae	1	2
Lasiocampoidea	Lasiocampidae	3	3
Noctuoidea	Erebidae	59	93
	Euteliidae	1	1
	Noctuidae	27	41
	Nolidae	4	4
	Notodontidae	7	8
Pterophoroidea	Pterophoridae	1	1
Pyraloidea	Crambidae	38	53
	Pyalidae	14	15
Thyridoidea	Thyrididae	1	1
Tortricoidea	Tortricidae	3	3
Yponomeutoidea	Lyonetiidae	1	1
Zygaenoidea	Limacodidae	5	5
	Zygaenidae	1	1
TOTAL: 12	21	204	287

Field collections, identification and museum study: Adult moths were collected by vertical sheet light trap using 160 W mercury vapour lamp installed at different localities between 2017 and 2020. GPS coordinates as well as altitude for survey sites are listed in Table 1. The collected insects were killed by ethyl acetate and were spread, pinned, labeled and preserved in insect collection boxes at Aligarh Muslim University, Aligarh (AMU) as well as at ZSI/GPRC (Zoological Survey of India/ Gangetic Plain Regional Centre, Patna). Identification was done following the descriptions and illustrations provided in the taxonomic literature (e.g., Hampson, [1893], 1894, 1895, 1896; Bell & Scott, 1937) and other recent literature as mentioned under the review of literature, as well as from references mentioned under each species account. The catalogue is organized alphabetically by superfamily, family, genus, and species. Record sources include published literature as well specimens housed at the National Zoological collection ZSI/GPRC, and AMU. Voucher specimens of 154 species of moths were also studied and are included under material

examined. Images of the adult representatives of 88 species are also provided. The following abbreviations are used: AF=Outside of Aligarh fort; AMU=Aligarh Muslim University, Aligarh; AT=Atrauli; BES=Beswan; Coll.=Collector; Coll. At=Collection; F=Female; HG=Harduaganj; IG=Iglas; JL=Jalali; JT=Jattari; KH=Khair; M=Male; PK=Pilkhana; SAF=S. A. Farooqui; SBS=Outside of Shekha Bird Sanctuary; UP=Uttar Pradesh; ZSI/GPRC=Zoological Survey of India/ Gangetic Plain Regional Centre, Patna.

SYSTEMATIC ACCOUNT

Superfamily BOMBYCOIDEA Latreille, 1802

Family BOMBYCIDAE Latreille, 1802

Subfamily BOMBYCINAE Latreille, 1802

Genus *Bombyx* Linnaeus, 1758

1. *Bombyx mori* (Linnaeus, 1758) (Plate 1, Figure 1)

Phalaena mori Linnaeus, 1758: 499.

Material examined: India, Uttar Pradesh, Aligarh, AC, 07.ii.2018, 1 ex., (Coll. SAF).

Distribution in India [in captivity]: Uttar Pradesh (Aligarh); throughout India (Hampson, [1893]); Maharashtra (Gurule & Nikam, 2013).

Elsewhere [in captivity]: China, Europe (Hampson, [1893]); Hong Kong (Kendrick, 2002).

Genus *Trilocho* Moore, [1860]

2. *Trilocho varians* (Walker, 1855) (Plate 1, Figure 2)

Naprepa varians Walker, 1855: 1153.

Material examined: India, Uttar Pradesh, Aligarh, AT, 12.viii.2018, 4 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Maharashtra (Gurule & Nikam, 2013).

Elsewhere: Myanmar (Hampson, [1893]); Sri Lanka (Koçak & Kemal, 2012); Bhutan, Nepal, China, Taiwan, Hainan Islands, Hong Kong, S Japan, Philippines, Malaysia, Indonesia, Vietnam, Thailand (Irungbam & Irungbam, 2019).

Remarks: New record for UP.

Family EUPTEROTIDAE Swinhoe, 1892

Subfamily EUPTEROTINAE Forbes, 1955

Genus *Eupterote* Hübner, [1820]

3. *Eupterote gardneri* Bryk, 1950 (Plate 1, Figure 3)

Eupterote gardneri Bryk, 1950: 59.

Material examined: India, Uttar Pradesh, Aligarh, PK, 17.xi.2019, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Chhattisgarh, Uttarakhand (Raha *et al.*, 2017a); West Bengal (Shah *et al.*, 2018).

Elsewhere: Nepal (Raha *et al.*, 2017a).

Remarks: New record for UP; *Eupterote bifasciata* Kishida, 1994 was synonymised with this species by Zolotuhin (2018).

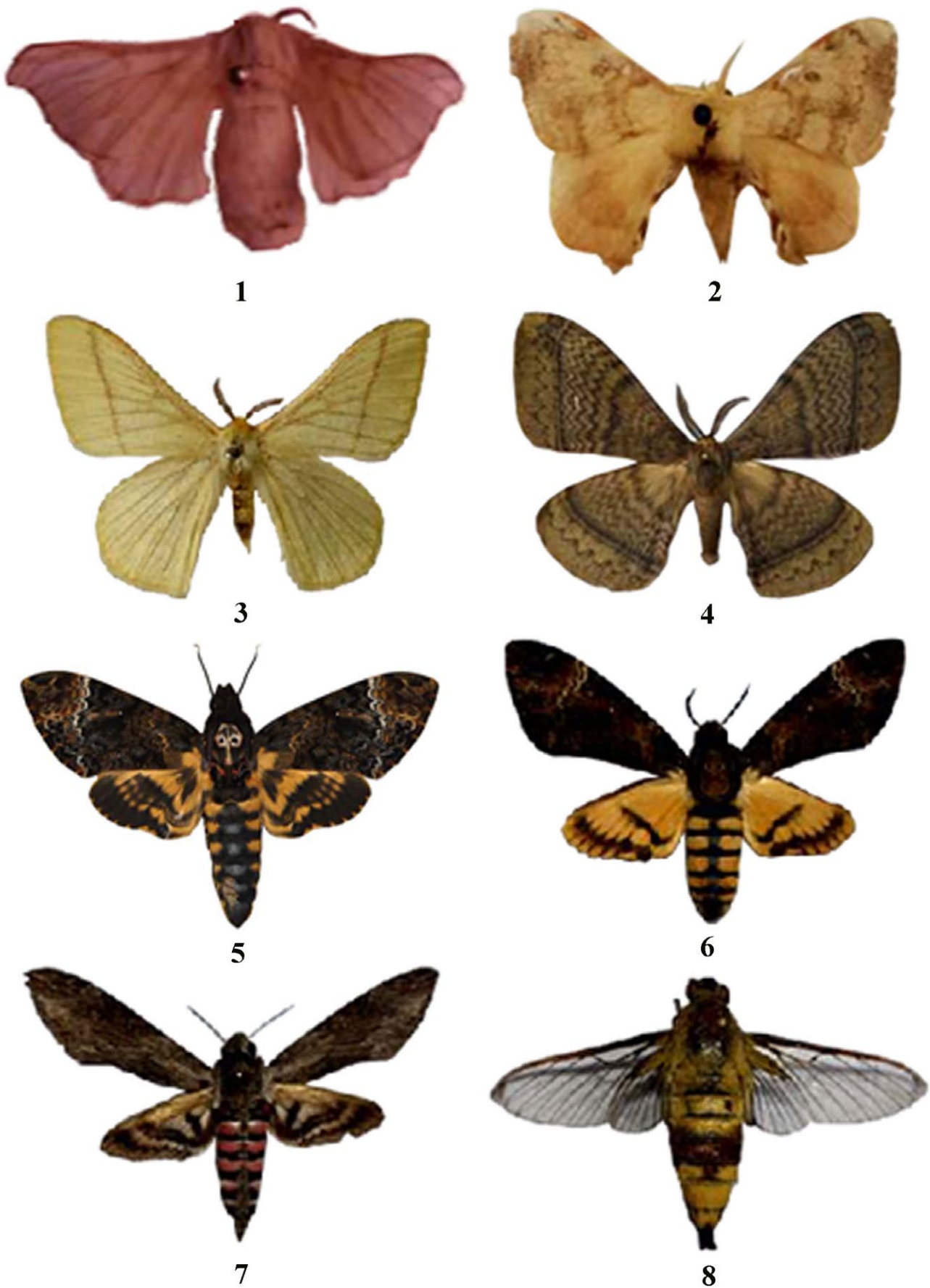


Plate 1: Figures 1-8. Adults: 1, *Bombyx mori*; 2, *Trilocha varians*; 3, *Eupterote gardneri*; 4, *E. undata*; 5, *Acherontia lachesis*; 6, *A. styx*; 7, *Agrius convolvuli*; 8, *Cephonodes hylas*.

4. *Eupterote undata* Blanchard, [1844] (Plate 1, Figure 4)

Eupterote undata Blanchard, 1844: 23.

Material examined: India, Uttar Pradesh, Aligarh, SSN, 08.x.2018, 3 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); widely distributed in India (Raha *et al.*, 2017a).

Elsewhere: Java, Myanmar, Pakistan, Philippines, Sri Lanka, Sumatra (Raha *et al.*, 2017a).

Remarks: New record for UP.

Family SPHINGIDAE Latreille, [1802]

Subfamily SPHINGINAE Latreille, [1802]

Genus *Acherontia* Laspeyres, 1809**5. *Acherontia lachesis* (Fabricius, 1798) (Plate 1, Figure 5)**

Sphinx lachesis Fabricius, 1798: 434.

Material examined: India, Uttar Pradesh, Aligarh, SBS, 08.ix.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Jharkhand (East Singhbhum), Andaman & Nicobar Islands, Madhya Pradesh (Indore, Seoni, Jabalpur), Meghalaya, Orissa (Balasore), Sikkim; West Bengal (Kolkata & North 24-Parganas), almost throughout the rest of the mainland except NW Himalaya (Sambath, 2011; Sambath & Farooqui, 2017).

Elsewhere: Bangladesh, Bhutan, China, Java up to S Moluccas in the east, W Malaysia, Myanmar, Pakistan, Sri Lanka (Sambath, 2011).

Remarks: New record for UP.

6. *Acherontia styx* (Westwood, 1847) (Plate 1, Figure 6)

Sphinx (Acherontia) styx Westwood, 1847: 88.

Material examined: India, Uttar Pradesh, Aligarh, AF, 10.vii.2019, 3 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Andaman & Nicobar Islands, Jharkhand (East Singhbhum), Bihar (Patna), Madhya Pradesh (Indore, Jabalpur, Seoni), Gujrat, Orissa (Sundargarh), West Bengal (Bankura, Bardhaman, Kolkata), Tamil Nadu (Chandra *et al.*, 2014).

Elsewhere: Bangladesh, Bhutan, Myanmar, Pakistan, Sri Lanka (Sambath, 2011).

Remarks: New record for UP.

7. *Agrilus convolvuli* (Linnaeus, 1758) (Plate 1, Figure 7)

Sphinx convolvuli Linnaeus, 1758: 435.

Material examined: India, Uttar Pradesh, Aligarh, JT, 13.vi.2018, 5 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Jharkhand (East Singhbhum), Orissa, Manipur, West Bengal, (Sambath, 2014).

Elsewhere: Eastern hemisphere except higher latitudes, Europe and rarely in United Kingdom (England), Siberia (Sambath, 2014).

Remarks: New record for UP.

Subfamily SMERINTHINAE Grote & Robinson, 1865

Genus *Amplipterus* Hübner, 1819**8. *Amplipterus panopus* (Cramer, [1779])**

Sphinx panopus Cramer, [1779]: 50.

Distribution in India: Throughout India (Hampson, [1893]); Andaman & Nicobar Islands, Assam, Sikkim, Tamil Nadu, Uttar Pradesh; West Bengal (Chandra *et al.*, 2014).

Elsewhere: Nepal, Bhutan, Myanmar, S China, Thailand, Vietnam, Indonesia (Sulawesi, Timor, Seram), Philippines (Pittaway & Kitching, 2020).

Genus *Clanis* Hübner, 1819**9. *Clanis bilineata bilineata* (Walker, 1866)**

Basiana bilineata Walker, 1866: 1857.

Distribution in India: Assam, Karnataka, Meghalaya, Sikkim, Uttar Pradesh, Uttarakhand, West Bengal (Chandra *et al.*, 2014).

Elsewhere: Nepal eastwards across S China & south into Vietnam, Laos, N & central Thailand (Pittaway & Kitching, 2020).

10. *Clanis phalaris* (Cramer, 1777)

Sphinx phalaris Cramer, [1777]: 83.

Distribution in India: Andaman & Nicobar Islands, Andhra Pradesh, Karnataka, Madhya Pradesh, Sikkim, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal (Chandra *et al.*, 2014).

Elsewhere: Sri Lanka (Koçak & Kemal, 2012).

11. *Clanis titan titan* Rothschild & Jordan, 1903

Clanis titan Rothschild & Jordan, 1903: 218.

Distribution in India: Andaman & Nicobar Islands, Assam, Karnataka, Meghalaya, Sikkim, S India, Uttarakhand, Uttar Pradesh (Chandra *et al.*, 2014).

Elsewhere: Nepal, Myanmar, Yunnan, SW China, Thailand, Vietnam, Peninsular Malaysia (Pittaway & Kitching, 2020).

Genus *Polyptychus* Hübner, 1819**12. *Polyptychus dentatus* (Cramer, 1777) (Plate 3, Figure 17)**

Sphinx dentatus Cramer, [1777]: 42.

Material examined: India, Uttar Pradesh, Aligarh, AF, 10.x.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Jharkhand (East Singhbhum), Madhya Pradesh (Indore, Seoni, Jabalpur), West Bengal, E & NW Himalaya, Maharashtra (Mumbai), S peninsula, Uttar Pradesh (Sambath, 2011; Sambath, 2014; Sambath & Farooqui, 2017).

Elsewhere: China, Pakistan, Sri Lanka (Sambath, 2014).

Subfamily MACROGLOSSINAE Harris, 1839

Genus *Cechenena* Rothschild & Jordan, 1903**13. *Cechenena minor* (Butler, 1875)**

Chaerocampa minor Butler, 1875: 249.

Distribution in India: Uttar Pradesh, Assam, Himachal Pradesh, Meghalaya, Sikkim, Uttarakhand, West Bengal (Chandra *et al.*, 2014).

Elsewhere: Bhutan, China, Japan; W Malaysia (Mandal & Maulik, 1997).

Genus *Cephonodes* Hübner, 1819**14. *Cephonodes hylas* (Linnaeus, [1771]) (Plate 1, Figure 8)**

Sphinx hylas Linnaeus, 1771: 539.

Material examined: India, Uttar Pradesh, Aligarh, AC, 16.viii.2018, 1



9



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16

Plate 2: Figures 9-16. Adults: 9, *Daphnis nerii*; 10, *Hippotion boerhaviae*; 11, *H. celerio*; 12, *Hyles livornica*; 13, *Macroglossum assimilis*; 14, *M. belis*; 15, *Nephela hespera*; 16, *Pergesa acteus*.

ex., (Coll. SAF).

Distribution in India: Throughout India (Hampson, [1893]); including Andaman & Nicobar Islands, Assam, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya, Odisha, Sikkim, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal (Chandra *et al.*, 2014); Uttar Pradesh (Aligarh) (Farooqui & Siddiqua, 2017).

Elsewhere: Nepal, Bhutan, Sri Lanka, east through Myanmar, China, Korea, S Japan, south & east through Thailand, Laos, Vietnam, Taiwan, Peninsular Malaysia, Philippines, Indonesia, Borneo, Java (Pittaway & Kitching, 2020).

Genus *Daphnis* Hübner, 1819

15. *Daphnis hypothous* (Cramer, 1780)

Sphinx hypothous Cramer, [1780]: 165.

Distribution in India: Andaman & Nicobar Islands, Assam, Meghalaya, Sikkim, S India, Uttar Pradesh, Uttarakhand, West Bengal (Chandra *et al.*, 2014).

Elsewhere: Java, Borneo (Hampson, [1893]); Sri Lanka (Koçak & Kemal, 2012); Oriental region (Pittaway & Kitching, 2020).

16. *Daphnis nerii* (Linnaeus, 1758) (Plate 2, Figure 9)

Sphinx nerii Linnaeus, 1758: 490.

Material examined: India, Uttar Pradesh, Aligarh, AC, 08.xi.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, [1893]); including Himachal Pradesh, Madhya Pradesh, Maharashtra, Odisha, Sikkim, Tamil Nadu, West Bengal (Chandra *et al.*, 2014); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017).

Elsewhere: Sri Lanka (Koçak & Kemal, 2012); Tropical Africa, North Africa, Middle East to Afghanistan, Pakistan, SE Asia, Borneo, Philippines, central Europe, central S Asia, Japan (Pittaway & Kitching, 2020).

Genus *Hemaris* Dalman, 1816

17. *Hemaris saundersii* (Walker, 1856)

Sesia saundersi Walker, 1856: 83.

Distribution in India: NW Himalaya, Punjab (Hampson, [1893]); Himachal Pradesh, Jammu & Kashmir, Kerala, Meghalaya, Punjab, Sikkim, Uttar Pradesh, Uttarakhand (Chandra *et al.*, 2014).

Elsewhere: N Pakistan, NE Afganistan, Bangladesh, N Myanmar (Pittaway & Kitching, 2020).

Genus *Hippotion* Hübner, 1819

18. *Hippotion boerhaviae* (Fabricius, 1775) (Plate 2, Figure 10)

Sphinx boerhaviae Fabricius, 1775:542.

Material examined: India, Uttar Pradesh, Aligarh, JT, 13.vi.2018, 3 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, [1893]); including Andhra Pradesh, Gujarat, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttarakhand, West Bengal (Chandra *et al.*, 2014).

Elsewhere: Sri Lanka (Koçak & Kemal, 2012); Nepal, Thailand, SE China (Hong Kong & Guangdong), Vietnam, Indonesia, Philippines, E Australia, New Caledonia (Pittaway & Kitching, 2020).

19. *Hippotion celerio* (Linnaeus, 1758) (Plate 2, Figure 11)

Sphinx celerio Linnaeus, 1758: 491.

Material examined: India, Uttar Pradesh, Aligarh, AF, 21.vii.2019, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, [1893]); Gujarat, Himachal Pradesh, Rajasthan, Karnataka, Madhya Pradesh, Maharashtra, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal (Chandra *et al.*, 2014).

Elsewhere: Sri Lanka (Koçak & Kemal, 2012); Africa, Europe, Java, Borneo, Australia, Timor (Hampson, [1893]); Tropical Africa, Asia, Australia (Pittaway & Kitching, 2020).

20. *Hippotion rosetta* (Swinhoe, 1892)

Chaerocampa [sic] *rosetta* Swinhoe, 1892: 16.

Distribution in India: Assam, Arunachal Pradesh, Andhra Pradesh, Andaman & Nicobar Islands, Bihar, Goa, Gujarat, Himachal Pradesh, Haryana, Karnataka, Lakshadweep Islands, Maharashtra, Meghalaya, Orissa, Sikkim, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal (Kalawate & Sharma, 2017); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Borneo, E Indonesia, New Guinea, Papua, Pakistan, Philippines, Sri Lanka, S China, Thailand, Taiwan, S Japan (Ryukyu Archipelago) (Kalawate & Sharma, 2017).

Genus *Hyles* Hübner, 1819

21. *Hyles livornica* (Esper, 1780) (Plate 2, Figure 12)

Sphinx livornica Esper, 1780: 88.

Material examined: India, Uttar Pradesh, Aligarh, SBS, 08.ix.2019, 4 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); NW Himalaya (Hampson, [1893]); Haryana, Himachal Pradesh, Madhya Pradesh, Maharashtra, West Bengal (Chandra *et al.*, 2014).

Elsewhere: Europe, N Africa, Aden, China (Hampson, [1893]); Italy, Russia (Pittaway & Kitching, 2020).

Remarks: New record for UP.

22. *Hyles nicaea lathyrus* (Walker, 1856)

Deilephila lathyrus Walker, 1856: 172.

Distribution in India: NW Himalaya (Hampson, [1893]); Himachal Pradesh, Jammu & Kashmir, Uttarakhand, Uttar Pradesh (Chandra *et al.*, 2014).

Elsewhere: Europe, N Africa, Aden, China (Hampson, [1893]); Northeastern Afghanistan, Pakistan, China (Pittaway & Kitching, 2020).

Genus *Macroglossum* Scopoli, 1777

23. *Macroglossum assimilis* Swainson, 1821 (Plate 2, Figure 13)

Macroglossa assimilis Swainson, 1821: 64.

Material examined: India, Uttar Pradesh, Aligarh, SBS, 11.ix.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Assam, Gujarat, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Puducherry, West Bengal, W Himalaya (Chandra *et al.*, 2014).

Elsewhere: China, Sri Lanka (Hampson, [1893]).

Remarks: New record for UP.

24. *Macroglossum belis* (Linnaeus, 1758) (Plate 2, Figure 14)

Sphinx belis Linnaeus, 1758: 493.

Material examined: India, Uttar Pradesh, Aligarh, IG, 20.iv.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Assam, Gujarat, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya, Sikkim, Tamil Nadu, Uttarakhand, West Bengal (Chandra *et al.*, 2014); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017).

Elsewhere: Sri Lanka, Nepal, Thailand, China, Taiwan, E Pakistan, Ryukyu Islands, Java, Hong Kong, (Kendrick, 2010).

Remarks: New record for UP.

Genus *Nephele* Hübner, 1819

25. *Nephele hespera* (Fabricius, 1775) (Plate 2, Figure 15)

Sphinx hespera Fabricius, 1775: 546.

Material examined: India, Uttar Pradesh, Aligarh, SSN, 11.x.2019, 4 ex.; India, Uttar Pradesh, Aligarh, JW, 23.vi.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, [1893]); including Andaman & Nicobar Islands, Gujarat, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Sikkim, Tamil Nadu, Uttarakhand, West Bengal (Chandra *et al.*, 2014); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017). *Elsewhere:* Afghanistan, Pakistan, south & east across Sri Lanka, Nepal, Bhutan, Myanmar, Thailand, Laos, Vietnam, S China, Peninsular Malaysia, Sumatra, S Papua New Guinea, Dauan, Warraber Islands off the northern tip of Queensland, Australia (Pittaway & Kitching, 2020).

Genus *Pergesa* Walker, 1856

26. *Pergesa acteus* (Cramer, 1779) (Plate 2, Figure 16)

Sphinx acteus Cramer, [1779]: 93.

Material examined: India, Uttar Pradesh, Aligarh, AC, 20.ix.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Andaman & Nicobar Islands, Assam, Himachal Pradesh, Jharkhand, Karnataka, Maharashtra, Meghalaya, Sikkim, S India, Uttarakhand, West Bengal (Chandra *et al.*, 2014).

Elsewhere: Bhutan, China (S), Myanmar to Moluccas, Sri Lanka (Sambath, 2011).

Remarks: New record for UP.

Genus *Theretra* Hübner, 1819

27. *Theretra alecto alecto* (Linnaeus, 1758) (Plate 3, Figure 18)

Sphinx alecto Linnaeus, 1758: 492.

Material examined: India, Uttar Pradesh, Aligarh, HG, 16.x.2020, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, [1893]); including Andaman & Nicobar Islands, Assam, Himachal Pradesh, Jharkhand, Madhya Pradesh, Maharashtra, Meghalaya, Sikkim, Tamil Nadu, Uttarakhand, West Bengal (Chandra *et al.*, 2014).

Elsewhere: Afghanistan, Bhutan, Malaysia, Myanmar, northward to Formosa, eastward to the Key Islands, Pakistan, Sulawesi, Taiwan (Sambath, 2011).

28. *Theretra clotho* (Drury, 1773)

Sphinx clotho Drury, 1773: 48.

Distribution in India: Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Sikkim, Assam, Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram, West Bengal, Gujarat, Maharashtra, Karnataka, Tamil Nadu, Andaman & Nicobar Islands (Shubhalaxmi *et*

al., 2011); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Nepal, China, Myanmar, Indonesia (Shubhalaxmi *et al.*, 2011).

29. *Theretra nessus* (Drury, 1773) (Plate 3, Figure 19)

Sphinx nessus Drury, 1773: 46.

Material examined: India, Uttar Pradesh, Aligarh, SBS, 09.ix.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Andaman & Nicobar Islands, Gujarat, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya, Sikkim, Tamil Nadu, Tripura, Uttarakhand, West Bengal (Chandra *et al.*, 2014).

Elsewhere: Aden, Australia, Bangladesh, Bhutan, Hong Kong, Japan, Malay, Myanmar, Pakistan, Papuaasia, Sri Lanka (Sambath, 2011).

Remarks: New record for UP.

30. *Theretra oldenlandiae oldenlandiae* (Fabricius, 1775) (Plate 3, Figure 20)

Sphinx oldenlandiae Fabricius, 1775: 542.

Material examined: India, Uttar Pradesh, Aligarh, AT, 12.viii.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Andaman & Nicobar Islands, Assam, Gujarat, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Sikkim, Uttarakhand, Uttar Pradesh, West Bengal (Chandra *et al.*, 2014).

Elsewhere: Bhutan, Japan, Myanmar, Pakistan, Papua, Sri Lanka (Sambath, 2011).

Superfamily GELECHIOIDEA Stainton, 1854

Family GELECHIIDAE Stainton, 1854

Subfamily APATETRINAE Meyrick, 1947

Genus *Pectinophora* Busck, 1917

31. *Pectinophora gossypiella* (Saunders 1844) (Plate 3, Figure 21)

Depressaria gossypiella Saunders, 1844: 285.

Material examined: India, Uttar Pradesh, Aligarh, IG, 16.v.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Arunachal Pradesh, Assam, Bihar, Delhi, Gujarat, Haryana, Kerala, Madhya Pradesh, Maharashtra, Orissa, Punjab, Tamil Nadu, Uttar Pradesh, Tripura, West Bengal (Sharma, 2014).

Elsewhere: Africa, Australia, West Indies, Mexico, Pakistan, America, Sri Lanka, Myanmar (Sharma, 2014).

Superfamily GEOMETROIDEA Leach, 1815

Family GEOMETRIDAE Leach, 1815

Subfamily ENNOMINAE Duponchel, 1845

Genus *Ascotis* Hubner, [1825]

32. *Ascotis selenaria* (Denis & Schiffermuller, 1775) (Plate 3, Figure 22)

Geometra selenaria Denis & Schiffermüller, 1775:101.

Material examined: India, Uttar Pradesh, Aligarh, AC, 08.xii.2017, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); NW Himalaya,

Meghalaya (Khasis) (Hampson, 1895); Uttarakhand (Dehradun) (Kulkarni *et al.*, 1995); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017).

Elsewhere: Europe, Amur, Japan, China, NW Himalaya, Nepal, Meghalaya (Khasis), Congo, S Africa (Hampson, 1895); Sri Lanka, China, Korea (Kendrick, 2002).

Remarks: New record for UP.

Genus *Cleora* Curtis, 1825

33. *Cleora repulsaria* (Walker, 1860) (Plate 3, Figure 23)

Boarmia repulsaria Walker, 1860: 374.

Material examined: India, Uttar Pradesh, Aligarh, PK, 18.xi.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh).

Elsewhere: Sri Lanka, Myanmar, Java, Borneo, Australia, Madagascar, China, Formosa, New Caledonia, W & S Africa (Hampson, 1895); Myanmar, Vietnam, Japan, Ryukyu Islands, Hong Kong (Kendrick, 2002).

Remarks: New record for UP.

Genus *Chiasmia* Hübner, [1823]

34. *Chiasmia eleonora* (Cramer, [1780]) (Plate 3, Figure 24)

Phalaena eleonora Cramer, [1780]: 172.

Material examined: India, Uttar Pradesh, Aligarh, JT, 13.vi.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Andaman & Nicobar Islands (Hampson, 1895); N India, Uttarakhand (Shubhalaxmi *et al.*, 2011).

Elsewhere: Sri Lanka, Myanmar (Hampson, 1895); Malaysia (Shubhalaxmi *et al.*, 2011).

35. *Chiasmia fidoniata* (Guenée, [1858])

Macaria fidoniata Guenée, 1858: 78.

Distribution in India: N India (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Hong Kong (Kendrick, 2002).

Genus *Gonodontis* Hübner, [1823]

36. *Gonodontis clelia* (Cramer, [1780])

Phalaena clelia Cramer, [1780]: 172, 174.

Distribution in India: S India, Andaman & Nicobar Islands (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Nepal, Singapore, Borneo, Hong Kong (Kendrick, 2002).

Genus *Hyperythra* Guenee, 1857

37. *Hyperythra lutea* (Stoll, [1781]) (Plate 4, Figure 26)

Phalaena lutea Stoll, [1781]: 157.

Material examined: India, Uttar Pradesh, Aligarh, JT, 14.v.2019, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Andaman & Nicobar Islands (Hampson, 1895); Indian Subregion (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Myanmar, Java, New Guinea, Sumatra (Hampson, 1895); Nepal, SE Asia, China, Sundaland, Hong Kong (Kendrick, 2002).

Genus *Hypomecis* Hübner, 1821

38. *Hypomecis infixaria* (Walker, 1860) (Plate 4, Figure 27)

Boarmia infixaria Walker, 1860: 379.

Material examined: India, Uttar Pradesh, Aligarh, HG, 16.x.2020, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Sikkim, Maharashtra (Mumbai) (Hampson, 1895); Gujarat, Karnataka; Ponmudi (Kerala) (Sondhi *et al.*, 2018).

Elsewhere: Myanmar (Hampson, 1895); Thailand (Koçak & Kemal, 2010).

Remarks: New record for UP.

Genus *Hyposidra* Guenee, 1858

39. *Hyposidra talaca* (Walker, 1860) (Plate 4, Figure 28)

Lagyra talaca Walker, 1860: 59.

Material examined: India, Uttar Pradesh, Aligarh, JT, 14.vi.2018, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Andaman & Nicobar Islands (Hampson, 1895; Kendrick, 2002).

Elsewhere: Java, Borneo, Sri Lanka, Myanmar, Philippines (Hampson, 1895); Indo-Australian tropics from NE Himalaya to Queensland, Solomon Islands, China, Ryukyu Islands, Hong Kong (Kendrick, 2002).

Remarks: New record for UP.

Genus *Macaria* Curtis, 1826

40. *Macaria acutaria* Walker, 1869

Macaria acutaria Walker, 1869: 100.

Distribution in India: Nagaland, Meghalaya (Khasi Hills), Sikkim, Uttar Pradesh (Varanasi) (Hampson, 1895; Ghosh, 2006).

Elsewhere: Worldwide (Hampson, 1895).

Genus *Zeheba* Moore, 1887

41. *Zeheba lucidata* complex (Walker, 1866)

Macaria lucidata Walker, 1862: 1651.

Material examined: India, Uttar Pradesh, Aligarh, JT, 15.vi.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Sikkim, Meghalaya (Khasis), Tamil Nadu (Nilgiris) (Hampson, 1895).

Elsewhere: Sri Lanka, Borneo, Java, Cape York (Hampson, 1895); Borneo, Sumatra (Holloway, 1993).

Remarks: New record for UP.

Subfamily GEOMETRINAE Leach, 1815

Genus *Agathia* Guenee, 1858

42. *Agathia laetata* (Fabricius, 1794)

Phalaena laetata Fabricius, 1794: 164.

Distribution in India: Throughout India (Hampson, 1895), Maharashtra (Shubhalaxmi *et al.*, 2011); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Nepal, Bhutan, Bangladesh, Malaysia, Taiwan (Shubhalaxmi *et al.*, 2011).

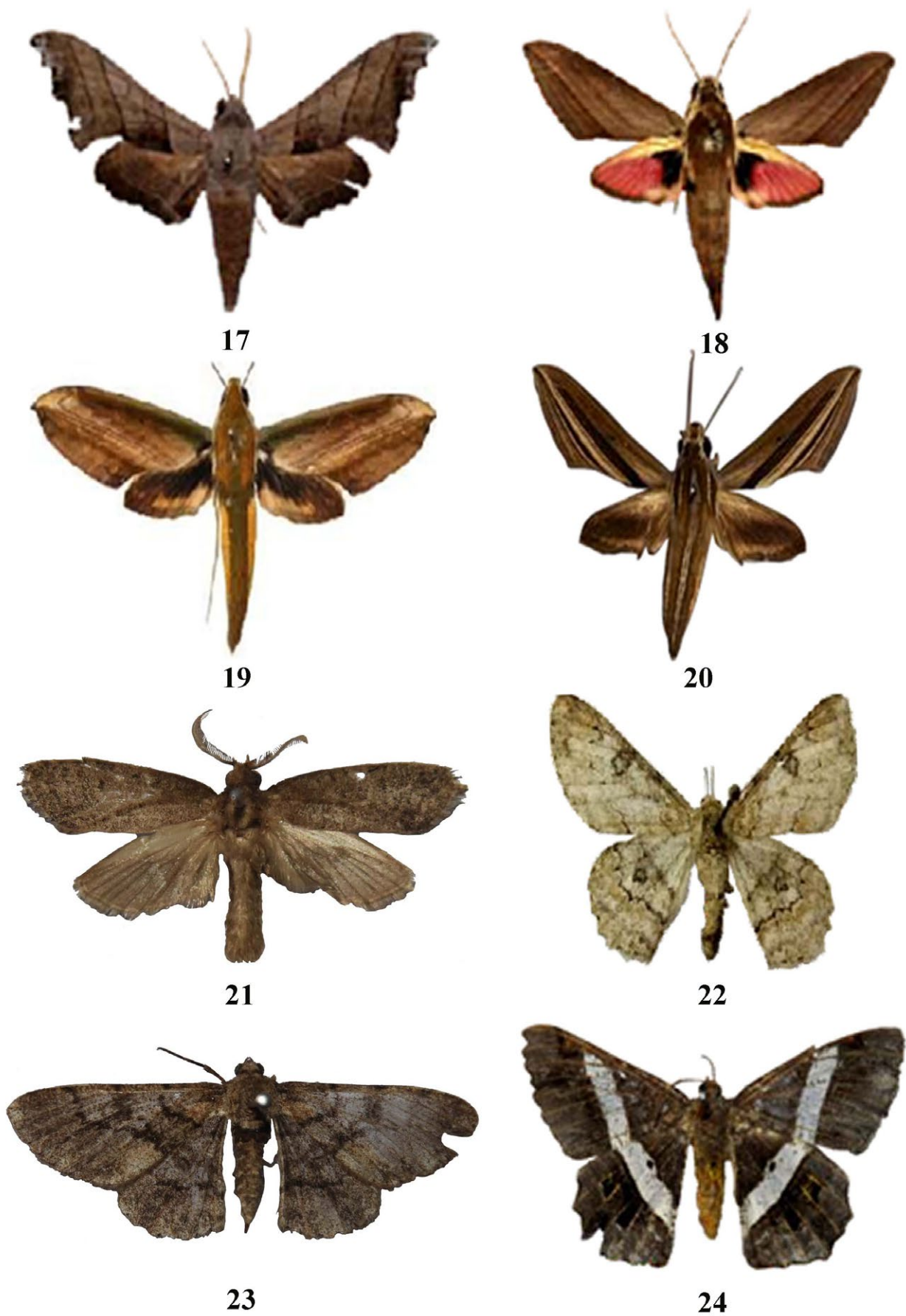


Plate 3: Figures 17-24. Adults: 17, *Polyptychus dentatus*; 18, *Theretra alecto*; 19, *T. nessus*; 20, *T. oldenlandiae*; 21, *Pectinophora gossypiella*; 22, *Ascotis selenaria*; 23, *Cleora repulsaria*; 24, *Godonela eleonora*.

43. *Agathia lycaenaria* (Kollar, 1848)*Geometra lycaenaria* Kollar, 1844: 486.

Distribution in India: Throughout India including Jharkhand (East Singhbhum), Himachal Pradesh, Kashmir, Maharashtra, Sikkim, Uttar Pradesh (Sambath, 2014).

Elsewhere: China, Sri Lanka, Borneo, Penang, Java (Hampson, 1895); Pakistan, Nepal, Myanmar, China (southern & western provinces, TW), Japan, Ryukyu Islands, Indonesia, Philippines, Australia (Kendrick, 2002).

Genus *Comibaena* Hübner, 1823**44. *Comibaena fuscidorsata* Prout, 1912***Comibaena quadrinotata fuscidorsata* Prout, 1912: 101.

Material examined: India, Uttar Pradesh, Aligarh, AF, 21.vii.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Himalaya, Palaearctic region (Hampson, 1895); NE Himalaya (Holloway, 1996).

Elsewhere: Borneo, Sumatra (Hampson, 1895; Holloway, 1996).

Remarks: New record for UP.

Genus *Hemithea* Duponchel, 1829**45. *Hemithea tritonaria* (Walker, [1863]) (Plate 4, Figure 25)***Thalassodes tritonaria* Walker, [1863]: 1560.

Material examined: India, Uttar Pradesh, Aligarh, BES, 21.xi.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Meghalaya (Khasis), Tamil Nadu (Nilgiris) (Hampson, 1895); India (Kendrick, 2002).

Elsewhere: Hong Kong, Sri Lanka, Borneo, Java (Hampson, 1895); Nepal, China, Korea, Japan, Ryukyu Islands, Malaysia, Indonesia, Philippines (Kendrick, 2002).

Remarks: New record for UP.

Genus *Thalassodes* Guenée, 1857**46. *Thalassodes cf immisaria* Walker, 1861***Thalassodes immisaria* Walker, 1861:583.

Distribution in India: Andaman & Nicobar Islands (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Malaysia, China, Borneo, Japan, Hong Kong (Kendrick, 2002).

47. *Thalassodes cf quadraria* Guenée, 1857 (Plate 4, Figure 31)*Thalassodes quadraria* Guenée, 1857: 360.

Material examined: India, Uttar Pradesh, Aligarh, AT, 14.viii.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1895); Maharashtra (Shubhalaxmi *et al.*, 2011).

Elsewhere: Sri Lanka, Myanmar, the Malayan sub-region, Australian region (Hampson, 1895); Africa, China (Shubhalaxmi *et al.*, 2011).

Subfamily STERRHINAE Meyrick, 1892

Genus *Antitrygodes* Warren, 1895**48. *Antitrygodes cuneilinea* (Walker, [1863])***Geometracuneilinea* Walker, [1863]: 1752.

Distribution in India: Maharashtra (Shubhalaxmi *et al.*, 2011); Uttar

Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Genus *Chrysocraspeda* Swinhoe, 1893**49. *Chrysocraspeda faganaria* (Guenée, [1858])***Hyria faganaria* Guenée, [1858]: 430.

Distribution in India: India (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Indonesia, China, Hong Kong (Kendrick, 2002).

Genus *Rhodometra* Meyrick, 1892**50. *Rhodometra sacraria* (Linnaeus, 1767) (Plate 4, Figure 29)***Phalaena sacraria* Linnaeus, 1767: 863.

Material examined: India, Uttar Pradesh, Aligarh, IG, 18.iv.2018, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); NW Himalaya, Meghalaya (Khasis) (Hampson, 1895); N Maharashtra (Gurule, 2013); Shivalik Belt of Punjab (Vattakaven *et al.*, 2016).

Elsewhere: Throughout Europe, Africa (Hampson, 1895; Gurule & Nikam, 2013).

Remarks: New record for UP.

Genus *Scopula* Schrank, 1802**51. *Scopula emissaria* (Walker, 1861)***Acidalia emissaria* Walker, 1861: 751.

Distribution in India: India (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Myanmar, Vietnam, China Hong Kong (Kendrick, 2002).

52. *Scopula pulchellata* (Fabricius, 1794) (Plate 4, Figure 30)*Phalaena pulchellata* Fabricius, 1794: 171.

Material examined: India, Uttar Pradesh, Aligarh, AC, 08.ii.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); N Maharashtra (Gurule, 2013).

Elsewhere: Sri Lanka, Formosa, Moulmein, Taiwan, Solomon (Gurule & Nikam, 2013).

Remarks: New record for UP.

Genus *Traminda* Saalmüller, 1891**53. *Traminda mundissima* (Walker, 1861)***Acidalia mundissima* Walker, 1861:795.

Distribution in India: Throughout India (Hampson, 1895); Uttarakhand, S India, Maharashtra (Shubhalaxmi *et al.*, 2011); N Maharashtra (Gurule, 2013); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Myanmar (Hampson, 1895); Abyssinia, Australia (Gurule & Nikam, 2013).

Family URANIIDAE Blanchard, 1845

Subfamily MICRONIINAE

Genus *Micronia* Guenée, 1857**54. *Micronia aculeata* Guenée, 1857 (Plate 4, Figure 32)***Micronia aculeata* Guenée, 1857: 26.



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Plate 4: Figures 25-32. Adults: 25, *Hemiteha tritonaria*; 26, *Hyperythra lutea*; 27, *Hypomecis infixaria*; 28, *Hyposidra talaca*; 29, *Rhodometra sacrarica*; 30, *Scopula pulchellata*; 31, *Thalassodes quadraria*; 32, *Miconia aculeata*.

Material examined: India, Uttar Pradesh, Aligarh, JT, 15.vi.2018 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Andaman & Nicobar Islands (Hampson, 1895); Maharashtra (Shubhalaxmi *et al.*, 2011); N Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar) (Gurule & Nikam, 2013); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017).

Elsewhere: Myanmar, Borneo, Java (Hampson, 1895); Oriental tropics to Sulawesi Hong Kong (Kendrick, 2002); Sri Lanka, China, Taiwan (Shubhalaxmi *et al.*, 2011).

Remarks: New record for UP.

Subfamily EPIPLEMINAE Hampson, 1892

Genus *Phazaca* Walker, 1863

55. *Phazaca theclata* (Guenée, 1857) (Plate 5, Figure 33)

Erosia theclata Guenée, 1857: 36.

Material examined: India, Uttar Pradesh, Aligarh, IG, 21.iv.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1895); Maharashtra (Shubhalaxmi *et al.*, 2011); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Myanmar (Hampson, 1895); Tropical Africa, mainland tropical Asia, Hong Kong (Kendrick, 2002).

Superfamily HYBLAEOIDEA Hampson, 1903

Family HYBLAEIDAE Hampson, 1903

Subfamily not assigned

Genus *Hyblaea* Fabricius, 1793

56. *Hyblaea puera* (Cramer, 1777) (Plate 5, Figure 34)

Noctua puera Cramer, 1777: 103.

Material examined: India, Uttar Pradesh, Aligarh, AF, 21.vii.2019, 5 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1894); N Maharashtra (Nashik, Nandurbar) (Gurule & Nikam, 2013).

Elsewhere: West Indies, S Africa, throughout Sri Lanka, Myanmar, Indonesia (Java), Australia (Cape York), New Guinea (Hampson, 1894); Nepal, Andaman & Nicobar Islands, China, Indonesia, USA (Florida), Jamaica, Hong Kong (Kendrick, 2002).

57. *Hyblaea constellata* Guenée, 1852

Hyblaea constellata Guenée, 1852: 391.

Material examined: India, Uttar Pradesh, Aligarh, AF, 16.viii.2018, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1894); N Maharashtra (Nashik) (Gurule & Nikam, 2013). *Elsewhere:* Sri Lanka, Myanmar, Malaysia (Malacca), Borneo, Australia (Hampson, 1894); Nepal, China (Gurule & Nikam, 2013).

Superfamily LASIOCAMPOIDEA Harris, 1841

Family LASIOCAMPIDAE Harris, 1841

Subfamily GASTROPACHINAE Neumoegen & Dyar, 1894

Genus *Estigena* Moore, 1860

58. *Estigena pardale* (Walker, 1855) (Plate 5, Figure 35)

Megasoma pardale Walker, 1855: 1453.

Material examined: India, Uttar Pradesh, Aligarh, AC, 09.ii.2018, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Andaman & Nicobar Islands (Hampson, [1893]); Uttarakhand (Mussoorie, Gangotri National Park), Sikkim (Sood *et al.*, 2015).

Elsewhere: Sri Lanka, Myanmar, Java (Hampson, [1893]); China, Philippines, Indonesia (Java), Hong Kong (Kendrick, 2002).

Remarks: New record for UP.

Subfamily LASIOCAMPINAE Harris 1841

Genus *Streblote* Hübner, 1820

59. *Streblote siva* (Lefèbvre, 1827) (Plate 5, Figure 36)

Bombyx siva Lefèbvre, 1827: 210.

Material examined: India, Uttar Pradesh, Aligarh, IG, 19.iv.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout W & S India (Hampson, [1893]); West Bengal, S India, north-west Himalaya (Shubhalaxmi *et al.*, 2011).

Elsewhere: Spain, Philippines, Indonesia (Java) (Hampson, [1893]); Myanmar, Iraq, Pakistan (Shubhalaxmi *et al.*, 2011).

Remarks: New record for UP.

Genus *Trabala* Lefebvre, 1827

60. *Trabala vishnou* (Lefèbvre, 1827) (Plate 5, Figure 37 & 38)

Gastropacha vishnou Lefèbvre, 1827: 207.

Material examined: India, Uttar Pradesh, Aligarh, AC, 26.iii.2020, 3 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, [1893]); including Jharkhand (East Singhbhum), Andaman & Nicobar Islands, West Bengal (Sambath, 2014); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017).

Elsewhere: Sri Lanka, Myanmar, Java (Hampson, [1893]); Bangladesh, Bhutan, China, Myanmar, Sundaland (Sambath, 2014).

Superfamily NOCTUOIDEA Latreille, 1809

Family EREBIDAE (Leach, [1815])

Subfamily AGANAINAE Lafontaine & Fibiger, 2006

Genus *Asota* Hübner, 1819

61. *Asota caricae* (Fabricius, 1775)

Noctua caricae Fabricius, 1775: 596.

Material examined: India, Uttar Pradesh, Aligarh, 17.xi.2019, 2 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, [1893]); including Jharkhand (East Singhbhum), Madhya Pradesh, West Bengal (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Myanmar, Penang, Java, Ambonia, Ceram, New Guinea, New Hebrides, Solomons, New Ireland (Hampson, [1893]); Indonesia (Sambath, 2014).

62. *Asota ficus* (Fabricius, 1775)

Noctua ficus Fabricius, 1775: 595.

Material examined: India, Uttar Pradesh, Aligarh, 09.v.2020, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, [1893]); including Jharkhand (East Singhbhum) (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka (Hampson, [1893]; Sambath, 2014).

63. *Asota plana* (Walker, 1854)

Hypsa plana Walker, 1854: 540.

Material examined: India, Uttar Pradesh, Aligarh, 18.xi.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Maharashtra (Mumbai), throughout S India (Hampson, [1893]); Jharkhand (East Singhbhum), Assam, Orissa, Sikkim, Tamil Nadu (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Myanmar (Hampson, [1893]); China, Singapore, Sri Lanka (Sambath, 2014).

64. *Asota producta* (Butler, 1875)

Hypsa producta Butler, 1875: 320.

Material examined: India, Uttar Pradesh, Aligarh, 14.viii.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Assam, Sikkim, S India (Hampson, [1893]); N Maharashtra (Gurule, 2013); Kerala (Sondhi *et al.*, 2018); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Myanmar, Penang, Sumatra (Hampson, [1893]); Malaysia, Borneo (Gurule, 2013).

Genus *Digama* Moore, [1860]

65. *Digama hearseyana similis* Moore, 1878

Digama hearseyana Moore, 1858: 298.

Material examined: India, Uttar Pradesh, Aligarh, 16.viii.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, [1893]); N Maharashtra (Gurule, 2013); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka (Hampson, [1893]; Gurule & Nikam, 2013).

Subfamily ARCTIINAE Leach, [1815]

Genus *Aloa* Walker, 1855

66. *Aloa lactinea* (Cramer, 1777)

Phalaena lactinea Cramer, [1777]: 149.

Material examined: India, Uttar Pradesh, Aligarh, JT, 13.vi.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Dubatolov, 2010); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Pakistan, Sri Lanka, SE Afghanistan, Nepal, Myanmar, Indochina, China (E Tibet, Sichuan, Yunnan, Guangdong, Hainan, Guangxi, Henan, Anhui, Hubei, Hunan, Jiangxi, Jiangsu, Zhejiang, Fujian, Shaanxi, Shanxi, Shangdong, Hebei, Liaoning, Jilin), Taiwan, Korea, Japan (Honshu, Shikoku, Kyushu, Yaku, Tokara, Okinawa, Ishigaki, Iriomote), Philippines, Indonesia (Sumatra, Java, Sulawesi, Lombok, Flores) (Dubatolov, 2010).

67. *Aloa lineola* Fabricius, 1793

Bombyx lineola Fabricius, 1793: 465.

Distribution in India: Uttar Pradesh (Kirti & Singh, 1994); NW Himalaya, Punjab, West Bengal, Jammu & Kashmir, Gujarat, Maharashtra, Karnataka, Kerala, Madhya Pradesh, Tamil Nadu, Meghalaya (Garo Hills), Assam, Manipur (Singh *et al.*, 2014).

Elsewhere: Sri Lanka, Nepal (Kirti & Singh, 1994); N Pakistan, Myanmar (Dubatolov, 2010).

68. *Aloa moorei* Butler, 1875

Areas moorei Butler, 1875: 23.

Distribution in India: Tamil Nadu (Nilgiri Hills) (Strand, 1919), N India (Dubatolov, 2010), Jharkhand (East Singhbhum), Maharashtra, Uttar Pradesh (Sambath, 2014).

Elsewhere: Pakistan (Sambath, 2014).

Remarks: Sambath (2014) reported this species as *Amsacta sara* Swinhoe.

Genus *Amata* Fabricius, 1807

69. *Amata cysseus* (Stoll, [1782])

Sphinx cysseus Stoll, [1782]: 124.

Material examined: India, Uttar Pradesh, Aligarh, BES, 17.iii.2019 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Himalaya, Uttarakhand (Shubhalaxmi *et al.*, 2011); throughout continental India (Kirti & Singh, 2016); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka (Shubhalaxmi *et al.*, 2011).

70. *Amata passalis* (Fabricius, 1781)

Zygaena passalis Fabricius, 1781: 159.

Distribution in India: Throughout India (Kirti & Singh, 2016); Assam, West Bengal, Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka (Nayak & Ghosh, 2020).

Genus *Amerila* Waker, 1855

71. *Amerila astreus* (Drury, 1773)

Sphinx astreus Drury, 1773: 49.

Distribution in India: Throughout India including Jharkhand (East Singhbhum), Uttar Pradesh (Sambath, 2014).

Elsewhere: China (W), Myanmar, New Guinea, New Britain, Philippines, Sri Lanka (Sambath, 2014).

Genus *Amsacta* Waker, 1855

72. *Amsacta moorei* (Butler, 1876)

Areas moorei Butler, 1876: 23.

Distribution in India: Uttar Pradesh (Kanpur), Uttarakhand (Almora), N India (Dubatolov, 2010).

Elsewhere: Pakistan (Dubatolov, 2010).

Genus *Arctia* Schrank, 1802

73. *Arctia caja* (Linnaeus, 1758)

Phalaena caja Linnaeus, 1758: 500.

Distribution in India: Meghalaya (Khasi Hills), Assam (Sibsagar), Himachal Pradesh (Dalhousie), Uttar Pradesh (Prayagraj), NW Himalaya, Jammu & Kashmir (Singh *et al.*, 2014).

Elsewhere: W Europe, excluding polar regions, Iberian Peninsula & Greece, Baltia, Belarus, Ukraine, Crimea, European Russia north to

Arkhangel'sk and Ukhta, N Caucasus, Transcaucasia, Turkey, N Iran, mountains of Afghanistan, Pakistan, mountains of the eastern part of central Asia, S Kazakhstan, N & E Kazakhstan, Siberian Russia north to Khanty-Mansiisk, rivers Ket' and Angara, Mongolia, central and E Yakutia, Upper Kolyma, Kamchatka, Amur basin, Primorye, China: Xinjiang, Henan, Hebei, Nei Mongol, Dunbei, Korea, Sakhalin, South Kuriles (Iturup, Kunashir, Shikotan), Japan, North America (Dubatolov, 2010).

Genus *Argina* Hübner, 1819

74. *Argina astrea* (Drury, 1773)

Phalaena astrea Drury, 1773: 11.

Material examined: India, Uttar Pradesh, Aligarh, 21.iv.2018, 2 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); Andaman & Nicobar Islands (Dubatolov, 2010); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Mauritius, China, Africa, Sri Lanka, Myanmar, New Guinea (Hampson, 1894); S Iran, Pakistan, Bangladesh, Nepal, Yunnan, Guangdong, Hong Kong, Zhejiang, Taiwan, Japan, Ryukyu, Philippines, Indochina, Indonesia, North Australia, New Caledonia, Oceania: Samoa, east to Palau, Guam, Taiti, Indian Ocean, E Africa (Dubatolov, 2010).

Genus *Cretonotos* Hübner, 1819

75. *Cretonotos gangis* (Linnaeus, 1763)

Phalaena gangis Linnaeus, 1763: 410.

Material examined: India, Uttar Pradesh, Aligarh, 12.ix.2019, 3 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India including Jharkhand (East Singhbhum), Madhya Pradesh (Jabalpur) (Sambath, 2014; Sambath & Farooqui, 2017); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Myanmar, Sri Lanka (Sambath, 2014).

76. *Cretonotos transiens* (Walker, 1855)

Spilosoma transiens Walker, 1855: 675.

Material examined: India, Uttar Pradesh, Aligarh, 16.xi.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Jharkhand (East Singhbhum), Assam, Arunachal Pradesh, Himachal Pradesh, Karnataka, Manipur, Meghalaya, Punjab, Sikkim, Tamil Nadu, Tripura, West Bengal (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Bangladesh, Bhutan, China, Indonesia, Myanmar, Philippines (Sambath, 2014).

Genus *Cyana* Walker, 1854

77. *Cyana puella* (Drury, 1773)

Phalaena puella Drury, 1773: 2.

Material examined: India, Uttar Pradesh, Aligarh, 13.viii.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Himachal Pradesh, Uttarakhand, Haryana, Sikkim, Meghalaya, Madhya Pradesh, Chattisgarh, Maharashtra, Tamil Nadu, Kerala, Andaman & Nicobar Islands, Gujarat, Bihar (Singh *et al.*, 2020); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: SE Pakistan, Nepal, China (Yunnan). The subspecies *C. puella postflavida* is distributed in Sub-Saharan Africa, Arabian Peninsula (Singh *et al.*, 2020).

Genus *Eressa* Walker, 1854

78. *Eressa confinis* (Walker, 1854)

Glaucoptis confinis Walker, 1854: 149.

Material examined: India, Uttar Pradesh, Aligarh, 23.viii.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Uttarakhand (Almora), Himachal Pradesh (Kulu, Kangra) (Hampson, [1893]); West Bengal (Kolkata & Darjeeling), Maharashtra (Mumbai), Tamil Nadu (Nilgiris) (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Bhutan, Sri Lanka, Myanmar (Sambath, 2014).

Genus *Olepa* Watson, 1980

79. *Olepa ricini* (Fabricius, 1775)

Bombyx ricini Fabricius, 1775: 583.

Material examined: India, Uttar Pradesh, Aligarh, 15.ix.2018, 2 ex., (Coll. at GPRC, ZSI).

Distribution in India: India (Singh & Singh, 2013); throughout India including Jharkhand (East Singhbhum) (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017; Farooqui *et al.*, 2020a).

Elsewhere: Thailand, N Pakistan, Bangladesh, Nepal (Singh & Singh, 2013); Sri Lanka (Sambath, 2014).

80. *Olepa koslandana* Orhant, 1986

Olepa koslandana Orhant, 1986: 12.

Material examined: India, Uttar Pradesh, Aligarh, 8.ii.2018, 3 ex., (Coll. at GPRC, ZSI).

Distribution in India: India (Singh & Singh, 2013); Karnataka (Bellary), Tamil Nadu (Coromandel Coast), Orissa (Ganjam), Bihar, Jharkhand (Kirti & Singh, 2015); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka (Singh & Singh, 2013).

Genus *Spilarctia* Butler, 1875

81. *Spilarctia obliqua* (Walker, 1855)

Spilosoma obliqua Walker, 1855: 679.

Material examined: India, Uttar Pradesh, Aligarh, KH, 17.ii.2018, 5 ex., (Coll. SAF).

Distribution in India: Throughout India (Sharma, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Bhutan, China, E Asia, Nepal (Sharma, 2014).

Genus *Syntomoides* Hampson, [1893]

82. *Syntomoides imaon* (Cramer, [1779])

Sphinx imaon Cramer, [1779]: 94.

Material examined: India, Uttar Pradesh, Aligarh, 16.viii.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India including Jharkhand (East Singhbhum), Meghalaya, Sikkim (Sambath, 2014); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Indonesia, Myanmar, Sri Lanka (Sambath, 2014).



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Plate 5: Figures 33-40. Adults: 33, *Phazaca theclata*; 34, *Hyblaea puera*; 35, *Estigena pardale*; 36, *Streblote siva*; 37, *Trabala vishnou* F; 38, *T. vishnou* M; 39, *Bastilla analis*; 40, *Nygmia icilia*.

Genus *Utetheisa* Hübner, [1819]**83. *Utetheisa lotrix* (Cramer, [1777])**

Phalaena (Geometra) lotrix Cramer, [1777]: 20, 149.

Material examined: India, Uttar Pradesh, Aligarh, 22.v.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894, Kirti & Singh, 2016); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Europe, Africa, Philippines, Malay, Sri Lanka, Australia, New Guinea (Hampson, 1894).

84. *Utetheisa pulchella* (Linnaeus, 1758)

Phalaena (Tinea) pulchella Linnaeus, 1758: 534.

Material examined: India, Uttar Pradesh, Aligarh, 16.viii.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); Tamil Nadu, Tripura, Uttarakhand, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Punjab, West Bengal (Kirti & Singh, 2016); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Europe, Africa, Philippines, Malay, Sri Lanka, Australia, New Guinea (Hampson, 1894).

85. *Utetheisa pulchelloides* Hampson, 1907

Utetheisa pulchelloides Hampson, 1907: 239.

Material examined: India, Uttar Pradesh, Aligarh, 17.vi.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Andaman & Nicobar Islands (Kendrick, 2002); N India to Rajasthan, Sikkim, Assam, West Bengal, Tamil Nadu, Kerala, Orissa, Madhya Pradesh (Kirti & Singh, 2016); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Indo-Australian, Pacific tropics, Australia, migrant to Vanuatu, New Caledonia, New Zealand, Hong Kong (Kendrick, 2002).

Subfamily BOLETOBIINAE Guenée, [1858]

Genus *Ataboruza* Holloway, 2009**86. *Ataboruza divisa* (Walker, 1862)**

Selenis divisa Walker, 1862: 107.

Distribution in India: Throughout India (Hampson, 1894); Uttar Pradesh (Prayagraj, Manपुरi), Punjab, West Bengal (Kolkata), Maharashtra (Mumbai), Tamil Nadu (Chennai, Nilgiris) (Hampson, 1910); India (Kendrick, 2002).

Elsewhere: Japan, China, Sri Lanka (Hampson, 1894); Africa, Ryukyu Islands, Singapore, Indonesia, Philippines, New Guinea, Hong Kong (Kendrick, 2002).

Remark: Formerly placed within *Oruza* Walker, 1862.

Genus *Autoba* Walker, 1863**87. *Autoba silicula* (Swinhoe, 1897)**

Eublemma silicula Swinhoe, 1897: 167.

Distribution in India: Uttar Pradesh (Prayagraj), Punjab, Himachal Pradesh (Kangra Valley) (Hampson, 1910).

Elsewhere: Pakistan (Karachi) (Hampson, 1910; Poole, 1989).

Genus *Eublemma* Hübner, [1821]**88. *Eublemma accedens* (Felder & Rogenhofer, 1874)**

Thalpochares accedens Felder & Rogenhofer, 1874: 108.

Distribution in India: Uttar Pradesh (Prayagraj), West Bengal (Kolkata) (Moore, 1881).

Elsewhere: Burkina Faso, Gambia, Ghana, Nigeria, S Arabia, Ethiopia, Kenya, Tanzania, Malawi, Zaire, Madagascar, Indo-Australian tropics, Australia, New Caledonia, Fiji (de Prins & de Prins, 2019).

89. *Eublemma bifasciata* (Moore, 1881)

Thalpochares bifasciata Moore, 1881:371.

Distribution in India: Uttar Pradesh (Prayagraj) (Moore, 1881; Hampson, 1894); Punjab (Moore, 1881).

Elsewhere: Sri Lanka, Iran; Afrotropical records need confirmation (de Prins & de Prins, 2019).

90. *Eublemma (Metachrostis) contingens* Moore, 1888

Metachrostis contingens Moore, 1888: 412.

Distribution in India: Uttar Pradesh (Prayagraj), Himachal Pradesh (Dharamshala), Punjab (Hampson, 1910); N India (Kononenko & Matov, 2009).

Elsewhere: Lahore (Pakistan) (Hampson, 1910).

91. *Eublemma dimidialis* (Fabricius, 1794)

Phalaena dimidialis Fabricius, 1794: 224.

Distribution in India: Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Pakistan, Nepal, Vietnam, Malaysia (Borneo, Prov. Sabah), Indonesia (Sumatra, Java), New Guinea, Philippines (Luzon), Taiwan, China, Japan, Micronesia, Australia (Kononenko & Pinratana, 2013).

92. *Eublemma parva* (Hübner, [1808])

Noctua parva Hübner, [1808]: 356.

Distribution in India: Uttar Pradesh (Prayagraj); N Maharashtra (Gurule, 2013).

Elsewhere: S Palearctic; Mediterranean, Egypt, Tunisia, Italy, Pakistan, China, W Australia, Hong Kong (Kendrick, 2002).

93. *Eublemma quadrilineata* (Moore, 1881)

Thalpochares quadrilineata Moore, 1881: 370.

Distribution in India: Orissa, West Bengal, Uttar Pradesh (Mandal & Maulik, 1991).

Elsewhere: Pakistan; Oriental, Australian, Ethiopian & Palearctic regions (Mandal & Maulik, 1991).

Genus *Metachrostis* Hübner, [1820]**94. *Metachrostis quinaria* (Moore, 1881)**

Leptosia quinaria Moore, 1881: 371.

Distribution in India: Tamil Nadu (Nilgiris) (Hampson, 1894); NW India, Uttar Pradesh (Prayagraj, Mainपुरi) (de Prins & de Prins, 2019).

Elsewhere: Europe, Japan, China, Myanmar, Java, Australia (Hampson, 1894); Yemen, Sudan, Saudi Arabia, Kenya, Gambia, Ethiopia, Eritrea (de Prins & de Prins, 2019).

Genus *Tamba* Walker, 1869**95. *Tamba decolor* (Walker, 1865)**

Focilla? decolor Walker, 1865: 1029.

Distribution in India: Uttar Pradesh (Walker, 1865).

Elsewhere: no additional information.



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Plate 6: Figures 41-48. Adults: 41, *Odontodes aleuca*; 42, *Acontia crocata*; 43, *Aedia leucomelas*; 44, *Aegocera venulia*; 45, *Agrotis biconica*; 46, *Agrotis ipsilon*; 47, *Agrotis segetum*; 48, *Amyna axis*.

96. *Tamba nigrilinea* (Walker, 1869)

Obdora nigrilinea Walker, 1869: 95.

Distribution in India: Andaman & Nicobar Islands, Uttar Pradesh (Varanasi) (Swinhoe, 1899).

Elsewhere: Sri Lanka, Sumatra, Borneo (Swinhoe, 1899).

97. *Tamba submicacea* Walker, 1869

Tamba submicacea Walker, 1869: 94.

Distribution in India: Uttar Pradesh (Varanasi) (Cotes & Swinhoe, 1887; Kononenko & Pinratana, 2013).

Elsewhere: Thailand (Narathiwat, Malay Peninsula), Sri Lanka, Indonesia, Greater Sunda Islands (Borneo, Java, Sumatra, Sulawesi) (Kononenko & Pinratana, 2013).

Subfamily CALPINAE Boisduval, 1840

Genus *Calyptra* Ochseneimer, 1816**98. *Calyptra minuticornis* (Guenée, 1852)**

Calpe minuticornis Guenée, 1852: 374.

Distribution in India: Throughout India (Hampson, 1894); Maharashtra (Shubhalaxmi *et al.*, 2011); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Java (Hampson, [1893]); China, Indonesia, Japan, Australia (Shubhalaxmi *et al.*, 2011).

Genus *Culasta* Moore, 1881**99. *Culasta indecisa* Moore, 1881**

Culasta indecisa Moore, 1881: 377.

Material examined: India, Uttar Pradesh, Aligarh, 20.vii.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Maharashtra (Mumbai, N Maharashtra) (Hampson, 1894; Gurule, 2013); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: All regions except Australian (Hampson, 1894).

Genus *Eudocima* Billberg, 1820**100. *Eudocima homaena* (Hübner, [1823])**

Othreis homaena Hübner, [1823]: 264.

Material examined: India, Uttar Pradesh, Aligarh, 23.vi.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Maharashtra (Mumbai, Pune) Tamil Nadu (Nilgiri Hills) (Cotes & Swinhoe, 1887); Karnataka, Andhra Pradesh, Uttarakhand, Rajasthan (Singh *et al.*, 2019); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Bangladesh (Sylhet), Sri Lanka (Cotes & Swinhoe, 1887); China, Myanmar, Malaysia, Indonesia, Singapore, Philippines, Oriental tropics, E Palaearctic region, India, Sulawesi, Lombok, Flores, Timor (Singh *et al.*, 2019).

101. *Eudocima materna* (Linnaeus, 1767)

Phalaena materna Linnaeus, 1767: 840.

Material examined: India, Uttar Pradesh, Aligarh, 20.xi.2019, 6 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); Uttarakhand (Smetacek, 2008); Assam, Maharashtra (Shubhalaxmi *et al.*, 2011); Andhra Pradesh (Ramachandrarachari & Padmanabham, 1960); Punjab,

Tamil Nadu, Rajasthan (Zhang, 1994); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: New Guinea, Australia, Canada, America, French Antilles, Africa (Shubhalaxmi *et al.*, 2011).

102. *Eudocima phalonia* (Linnaeus, 1763)

Phalaena phalonia Linnaeus, 1763: 411.

Material examined: India, Uttar Pradesh, Aligarh, 10.IX.2018, 2 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); Uttarakhand (Smetacek, 2008); Assam, Maharashtra (Shubhalaxmi *et al.*, 2011); Andhra Pradesh (Ramachandrarachari & Padmanabham, 1960); Punjab, Tamil Nadu, Rajasthan (Zhang, 1994); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sierra Leone, Ghana, Nigeria, Zimbabwe, Sri Lanka, Thailand, Vanuatu, New Caledonia, Tonga, Western Samoa, Fiji, Philippines, Papua New Guinea, Australia (Queensland), USA (Hawaii) (Zhang, 1994), African tropics across the Oriental, S.E. Palaearctic and Australian regions well into the Pacific (Zilli *et al.*, 2017).

Genus *Oraesia* Guenee, 1852**103. *Oraesia emarginata* (Fabricius, 1794)**

Noctua emarginata Fabricius, 1794: 82.

Material examined: India, Uttar Pradesh, Aligarh, 20.vii.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); Maharashtra (Shubhalaxmi *et al.*, 2011); Uttar Pradesh (Varanasi, Aligarh) (Nayak & Ghosh, 2020; Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Myanmar, China (Hampson, 1894); Korea, Japan, Australia (Shubhalaxmi *et al.*, 2011).

Subfamily EREBINAE Leach, [1815]

Genus *Achaea* Hübner, [1823]**104. *Achaea janata* (Linnaeus, 1758)**

Phalaena janata Linnaeus, 1758: 527.

Material examined: India, Uttar Pradesh, Aligarh, AC, 08.ii.2018, 6 ex., (Coll. at GPRC, ZSI).

Distribution in India: N Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar) (Gurule & Nikam, 2013); Kerala (Ponmudi) (Sondhi *et al.*, 2018); Uttar Pradesh (Varanasi, Aligarh) (Nayak & Ghosh, 2020; Farooqui *et al.*, 2020).

Elsewhere: China, Myanmar, Indonesia, Singapore, Philippines, Japan, New Guinea, New Zealand, Australia (Shubhalaxmi *et al.*, 2011).

105. *Achaea serva* (Fabricius, 1775)

Noctua serva Fabricius, 1775: 593.

Material examined: India, Uttar Pradesh, Aligarh, AF, 21.vii.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Peninsular India (Hampson, 1894); N Maharashtra (Nashik, Dhule, Jalgaon, Nandurbar) (Gurule & Nikam, 2013); Kerala (Ponmudi, Pandimotta) (Sondhi *et al.*, 2018); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Indo-Australian tropics, China, Philippines (Shubhalaxmi *et al.*, 2011).

Genus *Artena* Walker, 1858**106. *Artena dotata* (Fabricius, 1794)***Noctua dotata* Fabricius, 1794: 55.

Material examined: India, Uttar Pradesh, Aligarh, 16.viii.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); including Jharkhand (East Singhbhum), Madhya Pradesh, Manipur (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Myanmar (Hampson, 1894); Indonesia, Japan, Taiwan (Sambath, 2014).

Genus *Bamra* Moore, 1882**107. *Bamra mundata* (Walker, 1858) (Plate 7, Figure 50)***Agrotis? mundata* Walker, 1858: 1701.

Material examined: India, Uttar Pradesh, Aligarh, KH, 15.ix.2019 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Himachal Pradesh (Kangra) (Hampson, 1894); Maharashtra (Gurule & Nikam, 2013); Sikkim, Assam (Sekhon & Singh, 2015).

Elsewhere: Sri Lanka (Hampson, 1894; Koçak & Kemal, 2012).

Remarks: New record for UP.

Genus *Bastilla* Swinhoe, 1918**108. *Bastilla analis* (Guenée, 1852) (Plate 5, Figure 39)***Ophiusa analis* Guenée, 1852: 271.

Material examined: India, Uttar Pradesh, Aligarh, AC, 16.viii.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1894); N Maharashtra (Gurule, 2013).

Elsewhere: Sri Lanka, Myanmar, Java, China (Hampson, 1894; Gurule, 2013).

109. *Bastilla angularis* (Boisduval, 1833)*Ophiusa angularis* Boisduval, 1833: 103.

Distribution in India: Bihar, Jharkhand (Singh *et al.*, 2018a); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Africa (Kenya, Zimbabwe, Gambia, South Africa, Ghana, Nigeria, Uganda, Sierra Leone, São Tomé, Madagascar, Seychelles, Comoros) (de Prins & de Prins, 2012).

Remarks: Patnaik *et al.* (2021) mentioned this species as *Dysgonia angularis*.

110. *Bastilla arctotaenia* (Guenée, 1852)*Ophiusa arctotaenia* Guenée, 1852: 272.

Distribution in India: Throughout India (Hampson, 1894); N Maharashtra (Gurule, 2013); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Myanmar, Java (Hampson, 1894; Gurule, 2013).

Genus *Chalciope* Hübner, 1823**111. *Chalciope mygdon* (Cramer 1777)***Phalaena (Noctua) mygdon* Cramer, [1777]: 94, 150.

Material examined: India, Uttar Pradesh, Aligarh, 22.vii.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India including Andaman & Nicobar

Islands, Madhya Pradesh, Jharkhand (East Singhbhum), West Bengal (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Indonesia, Myanmar, Sri Lanka (Sambath, 2014).

Genus *Chrysopera* Hampson, 1894**112. *Chrysopera combinans* (Walker, 1857)***Achaea combinans* Walker, 1858: 1399.

Material examined: India, Uttar Pradesh, Aligarh, 13.vi.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); Maharashtra (Shubhalaxmi *et al.*, 2011); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Japan, China, Sri Lanka, Myanmar, Java, Australia, Solomons, Fiji, Samoa (Hampson, 1894); Nepal, Thailand, Malaysia, Indonesia (Shubhalaxmi *et al.*, 2011).

Genus *Dysgonia* Hübner, 1823**113. *Dysgonia conficiens* (Walker, 1858)***Ophiusa conficiens* Walker, 1858: 1432.

Material examined: India, Uttar Pradesh, Aligarh, 20.iv.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Orissa (Sundargarh), Himachal Pradesh, Uttar Pradesh, Punjab, Maharashtra (Mandal & Maulik, 1991); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

114. *Dysgonia torrida* (Guenée, 1852)*Ophiusa torrida* Guenée, 1852: 269 [271?].

Material examined: India, Uttar Pradesh, Aligarh, 11.x.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); N Maharashtra (Gurule & Nikam, 2013); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Europe, Africa, Mauritius, Japan, China, Sri Lanka, Myanmar (Hampson, 1894); Algeria, Angola, Burundi, Comoros, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Kenya, La Réunion, Libya, Madagascar, Malawi, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Uganda, Zambia, Zimbabwe (de Prins & de Prins, 2019).

Genus *Entomogramma* Guenée, 1852**115. *Entomogramma faurix* Guenée, 1852***Entomogramma faurix* Guenée, 1852: 204.

Material examined: India, Uttar Pradesh, Aligarh, 19.iv.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894; Kendrick, 2002); N Maharashtra (Gurule, 2013); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Myanmar, Java (Hampson, 1894; Gurule, 2013); Bangladesh, Thailand, China, Hong Kong (Kendrick, 2002).

116. *Entomogramma torsa* Guenée 1852*Entomogramma torsa* Guenée 1852: 204.

Material examined: India, Uttar Pradesh, Aligarh, JT, 05.v.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); N Maharashtra (Gurule, 2013).

Elsewhere: Sri Lanka, Java (Gurule, 2013).

Remarks: New record for UP.

Genus *Erebus* Latreille, 1810

117. *Erebus macrops* (Linnaeus, 1768)

Noctua macrops Linnaeus, 1768; 225.

Material examined: India, Uttar Pradesh, Aligarh, 16.x.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); Maharashtra (Shubhalaxmi *et al.*, 2011); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Africa, Madagascar, Sri Lanka, Myanmar (Hampson, 1894); Nepal, China, Hong Kong (Shubhalaxmi *et al.*, 2011; Kendrick, 2002).

Genus *Ercheia* Walker, 1858

118. *Ercheia cyllaria* (Cramer, [1779])

Phalaena (Noctua) cyllaria Cramer, 1779: 100.

Material examined: India, Uttar Pradesh, Aligarh, 13.ix.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); N Maharashtra (Gurule, 2013); Jharkhand (Singh & Ahmad, 2017); Kerala (Sondhi *et al.*, 2018); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Myanmar, Borneo (Hampson, 1894); Ethiopian & Australasian regions, Nicobar Islands, Vietnam, China, Japan, Malaysia, Singapore, Indonesia, Hong Kong (Kendrick, 2002).

119. *Ercheia diversipennis* Walker, [1858]

Ercheia diversipennis Walker, [1858]: 1108.

Material examined: India, Uttar Pradesh, Aligarh, 15.viii.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); Maharashtra (Shubhalaxmi *et al.*, 2011); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Myanmar, Borneo (Hampson, 1894); Indonesia, (Shubhalaxmi *et al.*, 2011).

Genus *Ericeia* Walker, 1858

120. *Ericeia inangulata* (Guenée, 1852)

Hulodes inangulata Guenée, 1852: 210.

Distribution in India: Throughout India (Hampson, 1894); Himachal Pradesh, Uttarakhand, Maharashtra (Shubhalaxmi *et al.*, 2011); N Maharashtra (Gurule & Nikam, 2013); Kerala (Sondhi *et al.*, 2018); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Natal, China, Sri Lanka, Myanmar, Australia (Hampson, 1894); Bangladesh, Japan, Singapore, New Guinea, Hong Kong (Kendrick, 2002); Bangladesh, Singapore, Japan, New Guinea (Shubhalaxmi *et al.*, 2011).

Genus *Fodina* Guenee, 1852

121. *Fodina stola* Guenée, 1852

Fodina stola Guenée, 1852: 275.

Material examined: India, Uttar Pradesh, Aligarh, 19.iv.2018, 2 ex., (Coll. at GPRC, ZSI).

Distribution in India: Jharkhand (East Singhbhum), NW Himalaya,

Sikkim, West Bengal (Sambath, 2014); S India, Uttarakhand (Uniyal *et al.*, 2016); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Bhutan (Hampson, 1894); Myanmar, Sri Lanka (Sambath, 2014).

Genus *Grammodes* Guenee, 1852

122. *Grammodes geometrica* (Fabricius, 1775)

Noctua geometrica Fabricius, 1775: 599.

Material examined: India, Uttar Pradesh, Aligarh, 12.vii.2018, 2 ex., (Coll. at GPRC, ZSI).

Distribution in India: Jharkhand (East Singhbhum), Assam, Andaman & Nicobar Islands, Karnataka, Madhya Pradesh, Maharashtra, Orissa, Punjab, Sikkim, Tamil Nadu, West Bengal (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Bangladesh, Indonesia, S Myanmar, Taiwan, Sri Lanka (Sambath, 2014).

Genus *Heterospila* Guenée, 1852

123. *Heterospila nigripalpis* (Walker, 1869)

Zinna nigripalpis Walker, 1869: 96.

Distribution in India: Uttar Pradesh (Varanasi) (Holloway, 2005).

Elsewhere: Thailand, Sumatra, Borneo (Holloway, 2005).

Genus *Hypotacha* Hampson, 1913

124. *Hypotacha indecisa* (Walker, [1858])

Anthophila indecisa Walker, [1858]: 829.

Distribution in India: Uttar Pradesh (Prayagraj) (Walker, 1858)

Elsewhere: Pakistan, Somalia (de Prins & de Prins, 2019).

Genus *Ischyja* Hübner, 1823

125. *Ischyja manlia* (Cramer, [1776])

Phalaena (Noctua) manlia Cramer, [1776]: 144, 153.

Distribution in India: Tripura (West district), Meghalaya, Sikkim, Himachal Pradesh, Uttar Pradesh, Gujarat, Maharashtra, Andaman & Nicobar Islands (Mandal *et al.*, 2000); Himalaya, Uttarakhand (Shubhalaxmi *et al.*, 2011).

Elsewhere: E Palaearctic (Mandal *et al.*, 2000); Sri Lanka, China, Myanmar, Indonesia, Philippines, Australia (Shubhalaxmi *et al.*, 2011).

Genus *Lyncestis* Walker, 1857

126. *Lyncestis amphix* (Cramer, [1777])

Phalaena (Noctua) amphix Cramer, [1777]: 59.

Distribution in India: Uttar Pradesh (Varanasi), Maharashtra (Pune), Tamil Nadu (Nilgiris), N Maharashtra (Hampson, 1894; Gurule, 2013; Kononenko & Pinratana, 2013).

Elsewhere: Pakistan (Karachi) (Hampson, 1894; Gurule, 2013).

Genus *Mocis* Hübner, [1823]

127. *Mocis frugalis* (Fabricius, 1775)

Noctua frugalis Fabricius, 1775: 601.

Material examined: India, Uttar Pradesh, Aligarh, 09.ix.2019, 5 ex., (Coll. at GPRC, ZSI).



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Plate 7: Figures 49-56. Adults: 49, *Autographa gamma*; 50, *Bamra mundata*; 51, *Callyna jugaria*; 52, *Chasmina tibialis*; 53, *Chrysodeixis eriosoma*; 54, *Ctenoplusia limbirena*; 55, *Helicoverpa armigera*; 56, *Leucania loreyi*.

Distribution in India: Jharkhand (East Singhbhum), Andaman & Nicobar Islands, Himachal Pradesh, Karnataka, Maharashtra, Meghalaya, Orissa, Punjab, Sikkim, Tamil Nadu, Tripura, West Bengal (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Myanmar, China, Japan, Malaysia, Indonesia, Singapore, New Guinea, Australia, Africa (Shubhalaxmi *et al.*, 2011); Bangladesh, Pakistan, S Myanmar, W Malaysia, Taiwan, Oriental, Australo-Papuan, Ethiopio-Malagassic, Palaeartic, Hawaiian Regions (Sambath, 2014).

128. *Mocis undata* (Fabricius, 1775)

Noctua undata Fabricius, 1775: 600.

Material examined: India, Uttar Pradesh, Aligarh, 14.v.2018, 5 ex., (Coll. at GPRC, ZSI).

Distribution in India: Jharkhand (East Singhbhum), Andaman & Nicobar Islands, Assam, Bihar, Himachal Pradesh, Kerala, Madhya Pradesh, Maharashtra, Manipur, Punjab, Tamil Nadu, Tripura, West Bengal (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, China, Myanmar, Indonesia, Singapore, Korea, Philippines, Japan, Australia, Africa, Madagascar (Shubhalaxmi *et al.*, 2011); Bangladesh, Malaysia, Ethiopio-Malagassic, Oriental, Palaeartic regions, Sundaland, Taiwan (Sambath, 2014).

Genus *Ophiusa* Ochseneimer, 1816

129. *Ophiusa tirhaca* (Cramer, [1777])

Phalaena (Noctua) tirhaca Cramer, [1777]: 116.

Material examined: India, Uttar Pradesh, Aligarh, 20.vii.2019, 2 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); India (Kendrick, 2002); Maharashtra (Shubhalaxmi *et al.*, 2011); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Europe, S Africa, Madagascar (Hampson, 1894); China, Japan, Philippines, Australia and Hong Kong (Kendrick, 2002; Shubhalaxmi *et al.*, 2011).

130. *Ophiusa triphaenoides* (Walker, 1858)

Ophiodes triphaenoides Walker, 1858: 1358.

Material examined: India, Uttar Pradesh, Aligarh, 20.vii.2019, 2 ex., (Coll. at GPRC, ZSI).

Distribution in India: NW & E Himalaya, W & S India (Hampson, 1894); Jharkhand (East Singhbhum, Ranchi), Assam, Haryana, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Punjab, Sikkim, West Bengal (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Pakistan, Bhutan, Nepal, Bangladesh, China, Taiwan, Thailand, Sumatra, Indonesia, Malaysia (Borneo) (Shubhalaxmi *et al.*, 2011); Hong Kong, S Myanmar, Taiwan, (Sambath, 2014).

131. *Ophiusa mejanesi* (Guenée, 1852)

Ophiodes mejanesi Guenée, 1852: 232.

Distribution in India: Uttar Pradesh (Prayagraj), throughout W & S India, N India (Hampson, 1894).

Elsewhere: W Africa (Hampson, 1894); Botswana, Eritrea, Gambia, Kenya, Malawi, Mauritania, Mozambique, Namibia, Senegal, Sierra Leone, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe (de Prins & de Prins, 2019).

Genus *Pandesma* Guenee, 1852

132. *Pandesma anysa* Guenée, 1852.

Pandesma anysa Guenée, 1852: 439.

Material examined: India, Uttar Pradesh, Aligarh, 13.iv.2019, 4 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017); India (de Prins & de Prins, 2019); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Myanmar (Hampson, 1894); Sudan, South Africa, Kenya, Somalia, Ethiopia (de Prins & de Prins, 2019).

133. *Pandesma robusta* (Walker, [1858])

Thria robusta Walker, [1858]: 1112.

Distribution in India: Throughout India (Hampson, 1894); Uttar Pradesh (Prayagraj) (Cotes & Swinhoe, 1887).

Elsewhere: Sri Lanka, Myanmar (Hampson, 1894); Pakistan (Rawalpindi) (Cotes & Swinhoe, 1887).

Genus *Parallelia* Hübner, 1818

134. *Parallelia stuposa* (Fabricius, 1794)

Noctua stuposa Fabricius, 1794: 42.

Distribution in India: Uttar Pradesh (Prayagraj) (Hampson, 1913); Maharashtra (Shubhalaxmi *et al.*, 2011).

Elsewhere: Sri Lanka, China, Indonesia, Philippines, Japan, Korea (Shubhalaxmi *et al.*, 2011).

Genus *Pericyma* Herrich-Schaffer, [1851]

135. *Pericyma cruegeri* (Butler, 1886)

Homoptera cruegeri Butler, 1886: 411.

Material examined: India, Uttar Pradesh, Aligarh, 24.vii.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: N Maharashtra (Gurule & Nikam, 2013); Jharkhand (Singh & Ranjan, 2016); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: China, Indonesia (Sumatra, Borneo), Philippines, Australia, Hong Kong (Kendrick, 2002); Taiwan, Vietnam, Thailand, Malaysia, New Guinea, Queensland (Gurule & Nikam, 2013).

Genus *Spirama* Guenée, 1852

136. *Spirama retorta* (Clerck, 1764)

Phalaena retorta Clerck, 1764: 54.

Material examined: India, Uttar Pradesh, Aligarh, 03.x.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India including Jharkhand (East Singhbhum), Madhya Pradesh (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Nepal, China, Myanmar, Thailand, Malaysia, Indonesia, Philippines, Korea, Japan (Shubhalaxmi *et al.*, 2011; Sambath, 2014).

Genus *Thyas* Hübner, [1824]

137. *Thyas coronata* (Fabricius, 1775)

Noctua coronata Fabricius, 1775: 596.

Material examined: India, Uttar Pradesh, Aligarh, 20.vii.2019, 1 ex., (Coll. at GPRC, ZSI).



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Plate 8: Figures 57-64. Adults: 57, *Mythimna separata*; 58, *Polytela gloriosae*; 59, *Spodoptera exigua*; 60, *S. litura*; 61, *Thysanoplusia orichalcea*; 62, *Carea angulata*; 63, *Earias vittella*; 64, *Antheua servula*.

Distribution in India: Throughout India including Jharkhand (East Singhbhum), Andaman & Nicobar Islands, Madhya Pradesh (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).
Elsewhere: Australia, Indonesia, Myanmar, Sri Lanka (Sambath, 2014).

Genus *Trigonodes* Guenee, 1852

138. *Trigonodes hyppasia* (Cramer, [1779])

Phalaena hyppasia Cramer, [1779]: 99.

Material examined: India, Uttar Pradesh, Aligarh, 19.iv.2019, 2 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); including Jharkhand (East Singhbhum), Andaman & Nicobar Islands, Assam, Himachal Pradesh, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Punjab, Tamil Nadu, Tripura, Uttarakhand, West Bengal (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Mauritius, Formosa, Aden, Myanmar, Java, (Hampson, 1894); Africa, Australia, China, Indonesia, Madagascar, Myanmar, Pakistan, Sri Lanka (Sambath, 2014).

Subfamily EULEPIDOTINAE Grote, 1895

Genus *Anticarsia* Hübner, 1818

139. *Anticarsia irrorata* (Fabricius, 1781)

Noctua irrorata Fabricius, 1781: 506.

Material examined: India, Uttar Pradesh, Aligarh, 12.v.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: India (Kendrick, 2002); N Maharashtra (Nashik, Dhule) (Gurule & Nikam, 2013); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Madagascar, China, Japan, Hong Kong (Kendrick, 2002).

Subfamily HYPOCALINAE Guenée, 1852

Genus *Hypocala* Guenée, 1852

140. *Hypocala deflorata* (Fabricius, 1794)

Noctua deflorata Fabricius, 1794: 127.

Material examined: India, Uttar Pradesh, Aligarh, 02.v.2020, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: NW Himalaya, Tamil Nadu (Nilgiris) (Hampson, 1894; Shubhalaxmi *et al.*, 2011); Jharkhand (East Singhbhum), Karnataka, Orissa, Sikkim (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: E & S Africa (Hampson, 1894); Bangladesh, Myanmar, Thailand, Vietnam, Sri Lanka, Thailand, Nepal, Indonesia, China, Taiwan, Japan, Korea, New Zealand, Australia, South Africa, Madagascar (Shubhalaxmi *et al.*, 2011); Ethiopian region, (Sambath, 2014).

141. *Hypocala violacea* Butler, 1879

Hypocala violacea Butler, 1879: 6.

Material examined: India, Uttar Pradesh, Aligarh, 12.viii.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: India (Kendrick, 2002); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Myanmar (Hampson, 1894); Nepal, Thailand, China, Japan, Singapore, Indonesia, New Guinea, Hong Kong (Kendrick, 2002).

Subfamily LYMANTRIINAE Hampson, 1893

Genus *Artaxa* Walker, 1855

142. *Artaxa digramma* (Boisduval, [1844])

Bombyx digramma Boisduval, [1844]: 508.

Material examined: India, Uttar Pradesh, Aligarh, 26.iii.2019, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, 1894); N Maharashtra (Gurule & Nikam, 2013); Uttarakhand (Sondhi & Sondhi, 2016); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka, Myanmar, Java (Hampson, 1894); Nepal, Borneo (Gurule, 2013).

Genus *Laelia* Stephens, 1828

143. *Laelia exclamatoris* (Kollar, 1848)

Euprepia exclamatoris Kollar, 1848: 469.

Material examined: India, Uttar Pradesh, Aligarh, 03.v.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Throughout India (Hampson, [1893]); N Maharashtra (Gurule, 2013); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Sri Lanka (Hampson, [1893]; Gurule, 2013).

Genus *Lymantria* Hübner, 1819

144. *Lymantria mathura* Moore, [1866]

Lymantria mathura Moore, [1866]: 805.

Material examined: India, Uttar Pradesh, Aligarh, 07.v.2020, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: NW Himalaya, Sikkim (Hampson, [1893]); West Bengal (Darjeeling) (Mandal & Maulik, 1997); NW Himalaya, Sikkim (Kaleka, 2012); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Nepal, China, Korea, Japan (Shubhalaxmi *et al.*, 2011); Taiwan, Thailand (Kaleka, 2012).

Genus *Nygmia* Hübner, [1820]

145. *Nygmia icilia* (Stoll, [1790]) (Plate 5, Figure 40)

Phalaena icilia Stoll, [1790]: 158, 183.

Material examined: India, Uttar Pradesh, Aligarh, 24.viii.2020, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka (Swinhoe, 1922).

Genus *Olene* Hübner, 1823

146. *Olene mendosa* Hübner, 1823

Olene mendosa Hübner, 1823: 19.

Material examined: India, Uttar Pradesh, Aligarh, 07.ii.2018, 1 ex., (Coll. at GPRC, ZSI).

Distribution in India: Madhya Pradesh, Himachal Pradesh, Maharashtra, (Sharma, 2014); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017; Farooqui & Siddiqua, 2018); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).

Elsewhere: Bangladesh, Sri Lanka (Koçak & Kemal, 2012); Pakistan (Sharma, 2014).

Genus *Orvasca* Walker, 1865**147. *Orvasca subnotata* Walker, 1865***Orvasca subnotata* Walker, 1865: 502.*Material examined*: India, Uttar Pradesh, Aligarh, 20.xi.2019, 1 ex., (Coll. at GPRC, ZSI).*Distribution in India*: Throughout India (Hampson, [1893]); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).*Elsewhere*: Sri Lanka, Myanmar (Hampson, [1893]); Borneo, Sumatra (Holloway, 1999).**Genus *Euproctis* Hübner, [1819]****148. *Euproctis fraterna* (Moore, [1883])***Artaxa fraterna* Moore, [1883]: 85.*Material examined*: India, Uttar Pradesh, Aligarh, 26.iii.2019, 2 ex., (Coll. at GPRC, ZSI).*Distribution in India*: Throughout India (Hampson, [1893]); Jammu & Kashmir, Himachal Pradesh, Andhra Pradesh, Haryana, Bihar, Manipur (Sharma, 2014); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).*Elsewhere*: Sri Lanka, Myanmar (Hampson, [1893]); Bangladesh, Thailand (Sharma, 2014).**149. *Euproctis lunata* Walker, 1855***Euproctis lunata* Walker, 1855: 837.*Material examined*: India, Uttar Pradesh, Aligarh, 10.vii.2018, 3 ex., (Coll. at GPRC, ZSI).*Distribution in India*: West Bengal (Kolkata), N, S & W Peninsula, NW Himalaya (Mandal & Maulik, 1997); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).*Elsewhere*: China, Hong Kong, Sri Lanka, Bhutan, Borneo, (Mandal & Maulik, 1997).**150. *Euproctis semisignata* (Walker, 1865)***Cispia semisignata* Walker, 1865: 356.*Distribution in India*: West Bengal (Darjeeling), Maharashtra, Karnataka (Mandal & Maulik, 1997); throughout the plains of India (Singh & Ranjan, 2016); West Bengal (Shah, 2018).*Elsewhere*: Sri Lanka (Hampson, [1893]; Mandal & Maulik, 1997).**151. *Euproctis similis* (Füessly, 1775)***Phalaena similis* Füssli, 1775: 35, No. 662.*Material examined*: India, Uttar Pradesh, Aligarh, 12.vi.2018, 4 ex., (Coll. at GPRC, ZSI).*Distribution in India*: Throughout India (Hampson, [1893]); West Bengal (Shah, 2018); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).*Elsewhere*: Sri Lanka (Hampson, [1893]).

Subfamily PANGRAPTINAE Grote, 1882

Genus *Episparis* Walker, 1857**152. *Episparis liturata* (Fabricius, 1787)***Phalaena liturata* Fabricius, 1787: 197.*Material examined*: India, Uttar Pradesh, Aligarh, 15.x.2018, 1 ex., (Coll. at GPRC, ZSI).*Distribution in India*: Throughout India (Hampson, 1894); Punjab,Kerala, Uttarakhand (Shubhalaxmi *et al.*, 2011); Jharkhand (East Singhbhum) Andaman & Nicobar Islands, Madhya Pradesh, Peninsular India, Tamil Nadu (Sambath, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).*Elsewhere*: Myanmar, Java, Borneo (Hampson, 1894); Sri Lanka, China, Thailand (Shubhalaxmi *et al.*, 2011).

Subfamily SCOLIOPTERYGINAE Herrich-Schäffer, [1852]

Genus *Anomis* (Hübner, 1821)**153. *Anomis flava* (Fabricius, 1775)***Noctuaflava*, Fabricius, 1775: 601.*Material examined*: India, Uttar Pradesh, Aligarh, AC, 12.ix.2019, 1 ex., (Coll. at GPRC, ZSI).*Distribution in India*: Throughout India (Hampson, 1894); Gujarat, Rajasthan (Sharma, 2014); Uttar Pradesh (Aligarh) (Farooqui *et al.*, 2020).*Elsewhere*: Sri Lanka, Myanmar, Java, Duke of York Islands (Hampson, 1894); Africa, Australia, Korea, Taiwan, Philippines, China, Japan (Sharma, 2014).**154. *Anomis fulvida* (Guenée, 1852)***Anomis fulvida* Guenée, 1852: 397.*Material examined*: India, Uttar Pradesh, Aligarh, AC (BSJ Hall), 10.vii.2018, 1 ex., (Coll. K. S. Siddiqua).*Distribution in India*: Uttar Pradesh (Aligarh); throughout India (Hampson, 1894); Sikkim, Sibsagar Khasi Hills, Andaman & Nicobar Islands (Cotes & Swinhoe, 1887).*Elsewhere*: Java (Cotes & Swinhoe, 1887); Australia, Sierra Leone, South Africa, Tanzania, Sri Lanka (Koçak & Kemal, 2012).**Family EUTELIIDAE Grote, 1882**Subfamily STICTOPTERINAE van Nieukerken *et al.*, 2011**Genus *Odontodes* Guenée, 1852****155. *Odontodes aleuca* Guenée, 1852 (Plate 6, Figure 41)***Odontodes aleuca* Guenée, 1852: 51.*Material examined*: India, Uttar Pradesh, Aligarh, AF, 13.vii.2019, 1 ex., (Coll. SAF).*Distribution in India*: Uttar Pradesh (Aligarh); India (Shashank & Ramamurthy, 2014).*Elsewhere*: Myanmar, W Africa (Hampson, 1894); S Asia to Peninsular Malaysia, Sumatra, China, Hong Kong (Kendrick, 2002).*Remarks*: New record for UP.**Family NOCTUIDAE Latreille, 1809**

Subfamily ACONTIINAE Guenée, 1841

Genus *Acontia* Ochseneimer, 1816**156. *Acontia crocata* Guenée, 1852 (Plate 6, Figure 42)***Acontia crocata* Guenée, 1852: 218.*Material examined*: India, Uttar Pradesh, Aligarh, JT, 14.vi.2018, 1 ex., (Coll. SAF).*Distribution in India*: Uttar Pradesh (Aligarh); Himachal Pradesh (Shimla, Dharamshala), Maharashtra (Mumbai, N Maharashtra), Tamil Nadu (Coimbatore) (Hampson, 1894; Gurule, 2013).*Elsewhere*: Widely distributed in the tropical, subtropical & warmer

temperate zones (Hampson, 1894).

Remarks: New record for UP.

Genus *Aedia* Hübner, [1823]

157. *Aedia leucomelas* (Linnaeus, 1758) (Plate 6, Figure 43)

Phalaena (*Noctua*) *leucomelas* Linnaeus, 1758: 518.

Material examined: India, Uttar Pradesh, Aligarh, IG, 17.v.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); N Maharashtra (Gurule, 2013); Jharkhand (East Singhbhum, Ranchi), Andaman & Nicobar Islands, Haryana, Madhya Pradesh, Maharashtra (Sambath, 2014).

Elsewhere: Europe, Sri Lanka, China, Japan, Indonesia, Hong Kong, Philippines, New Guinea, Australia (Gurule, 2013); Myanmar, W & S Africa (Sambath, 2014).

Remarks: New record for UP; Sambath (2014) reported the species as *Aedia acronyctoides* (Guenée, 1852).

Subfamily AGARISTINAE Boisduval, 1833

Genus *Aegocera* Latreille, 1809

158. *Aegocera venulia* (Cramer, [1777]) (Plate 6, Figure 44)

Phalaena venulia Cramer, [1777]: 165.

Material examined: India, Uttar Pradesh, Aligarh, AT, 13.vi.2020, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); sub-Himalayan regions of Kashmir and Sikkim (Hampson, 1894); Bihar, Madhya Pradesh, Puducherry, Rajasthan, Tamil Nadu (Kalawate, 2018).

Elsewhere: Sri Lanka, Myanmar (Hampson, 1894; Kalawate, 2018).

Remarks: New record for UP.

Genus *Scrobiger* Jordan, 1896

159. *Scrobiger hesperioides* (Walker, 1862)

Eusemia hesperioides Walker, 1862: 86.

Distribution in India: Uttar Pradesh (Meerut) (Cotes & Swinhoe, 1887).

Elsewhere: Borneo, Sarawak (Walker, 1862).

Subfamily BAGISARINAE Crumb, 1956

Genus *Amyna* Guenée, 1852

160. *Amyna axis* (Guenée, 1852) (Plate 6, Figure 48)

Perigea axis Guenée, 1852: 407.

Material examined: India, Uttar Pradesh, Aligarh, AC, 10.iv.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1894); N Maharashtra (Gurule, 2013).

Elsewhere: West Indies, South America, Africa, Arabia, Japan, China, Sri Lanka, Myanmar, Borneo, Pacific islands (Hampson, 1894); Hong Kong, New Guinea, Philippines (Gurule, 2013).

161. *Amyna punctum* (Fabricius, 1794)

Noctua punctum Fabricius, 1794: 34.

Material examined: India, Uttar Pradesh, Aligarh, AC, 10.iv.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Andaman & Nicobar

Islands, India (Kononenko & Pinratana, 2013).

Elsewhere: South Africa, Madagascar, Sri Lanka (Koçak & Kemal, 2012); Thailand, Arabia, Nepal, Laos, Cambodia, Vietnam, Malaysia, Borneo, Indonesia (Sumatra), Philippines (Luzon), Taiwan, China, Korea, Japan, far SE Russia, New Guinea, Fiji, Vanuatu, New Hebrides, New Caledonia, Norfolk Islands, Australia (Kononenko & Pinratana, 2013).

Remarks: New record for UP.

Genus *Chasmina* Walker, 1856

162. *Chasmina tibialis* (Fabricius, 1775) (Plate 7, Figure 52)

Bombyx tibialis Fabricius, 1775: 578.

Material examined: India, Uttar Pradesh, Aligarh, AC, 08.viii.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1894); India (Kononenko & Pinratana, 2013).

Elsewhere: Africa, Japan, China, Formosa, Sri Lanka, Myanmar, Australia & Pacific islands (Hampson, 1894); Thailand, Pakistan, Laos, Vietnam, Taiwan, Philippines, New Guinea, Melanesia, Indonesia, Solomon Islands, Polynesia, Samoa, Tonga, New Caledonia, (Kononenko & Pinratana, 2013).

Subfamily CUCULLIINAE Herrich-Schäffer, [1850]

Genus *Cucullia* Schrank, 1802

163. *Cucullia albipennis* Hampson, 1894

Cucullia[sic] albipennis Hampson, 1894: 239.

Distribution in India: Uttar Pradesh (Sultanpur), Himachal Pradesh (Kangra) (Hampson, 1894).

Elsewhere: North America, Europe, S Africa, Japan (Hampson, 1894).

Subfamily EUSTROTIINAE Grote, 1882

Genus *Ozarba* Walker, 1865

164. *Ozarba itwarra* Swinhoe, 1885

Ozarba itwarra Swinhoe, 1885: 452.

Distribution in India: Uttar Pradesh (Prayagraj), Maharashtra (Mumbai, Pune), Gujarat (Kutch), Punjab (Hampson, 1910).

165. *Ozarba mallarba* Swinhoe, 1885

Ozarba mallarba Swinhoe, 1885: 452.

Distribution in India: Uttar Pradesh (Prayagraj), Maharashtra (Mumbai, Pune), Tamil Nadu (Chennai), Punjab (Hampson, 1910).

166. *Ozarba phlebitis* Hampson, 1910

Ozarba phlebitis Hampson, 1910: 441.

Distribution in India: Uttar Pradesh (Kanpur) (Hampson, 1910).

Elsewhere: Pakistan, Oman (Hampson, 1910).

167. *Ozarba rufula* Hampson, 1910

Ozarba rufula Hampson, 1910: 445.

Distribution in India: Gujarat (Kutch), Uttar Pradesh (Mainpuri) (Hampson, 1910).

Elsewhere: Ethiopia, Sudan (Hampson, 1910).

168. *Ozarba venata* Butler, 1889

Ozarba venata, Butler, 1889: 69.



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Plate 9: Figures 65-72. Adults: 65, *Antigastra catalaunalis*; 66, *Botyodes asialis*; 67, *Herpetogramma licarsisalis*; 68, *Chabula acamasalis*; 69, *Chilo auricilius*; 70, *Cirrhochrista brizoalis*; 71, *Cnaphalocrocis medinalis*; 72, *Conogethes punctiferalis*.

Distribution in India: Uttar Pradesh (Prayagraj), Punjab, Himachal Pradesh (Shimla, Kulu, Dharmashala) (Hampson, 1910).

Subfamily HADENINAE Yoshimoto, 1995

Genus *Brithys* Hübner, [1821]

169. *Brithys crini* (Fabricius, 1775)

Bombyx crini Fabricius, 1775: 587.

Distribution in India: Uttar Pradesh (Prayagraj) (Hampson, 1905); India (Kendrick, 2002).

Elsewhere: Oriental Region, Japan, Australia, China, Hong Kong (Kendrick, 2002).

Genus *Leucania* Ochseneheimer, 1816

170. *Leucania loreyi* (Duponchel, 1827) (Plate 7, Figure 56)

Noctua loreyi Duponchel, 1827: 81.

Material examined: India, Uttar Pradesh, Aligarh, AC, 15.viii.2019, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1894); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017); India (Kendrick, 2002).

Elsewhere: Sri Lanka, Myanmar (Hampson, 1894); central & S Europe, Africa, Pacific; China, Japan, Australian tropics, Hong Kong (Kendrick, 2002).

Genus *Mythimna* Ochseneheimer, 1816

171. *Mythimna separata* (Walker, 1865) (Plate 8, Figure 57)

Leucania separata Walker, 1865: 626.

Material examined: India, Uttar Pradesh, Aligarh, JT, 13.v.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); universally distributed (Hampson, 1894); Maharashtra (Gurule & Nikam, 2013).

Elsewhere: Universally distributed (Hampson, 1894; Sekhon & Singh, 2015).

Genus *Polytela* Guenée, 1852

172. *Polytela gloriosae* (Fabricius, 1775) (Plate 8, Figure 58)

Bombyx gloriosae Fabricius, 1775: 587.

Material examined: India, Uttar Pradesh, Aligarh, AF, 23.x.2018, 5 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1894); N Maharashtra (Gurule & Nikam, 2013).

Elsewhere: Sri Lanka (Hampson, 1894); Indonesia (Gurule, 2013).

Subfamily HELIOTHINAE Boisduval, 1829

Genus *Adisura* Moore, 1881

173. *Adisura atkinsoni* Moore, 1881

Adisura atkinsoni Moore, 1879: 368.

Distribution in India: Andhra Pradesh, Assam, Bihar, Orissa, Punjab, Tamil Nadu, Uttar Pradesh, Karnataka, Madhya Pradesh (Sharma, 2014).

Elsewhere: Pakistan, Sri Lanka (Sharma, 2014).

Genus *Helicoverpa* Hardwick, 1965

174. *Helicoverpa armigera* (Hübner, [1805]) (Plate 7, Figure 55)

Noctua armigera Hübner, [1805]: 79.

Material examined: India, Uttar Pradesh, Aligarh, SBS, 11.ix.2019, 7 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Jharkhand (East Singhbhum), Madhya Pradesh (Sambath, 2014).

Elsewhere: Widely distributed (Sambath, 2014).

175. *Helicoverpa assulta* (Guenée, 1852)

Heliopsis assulta Guenée, 1852: 178.

Distribution in India: Tamil Nadu (Coimbatore), Uttar Pradesh, Andhra Pradesh, Haryana, Assam, Bihar, Gujarat, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya, Orissa, Sikkim (Sharma, 2014).

Elsewhere: South Africa, South Korea, Philippines, Indonesia, Australia, Bangladesh, Bhutan, China, Japan, Malaysia, Myanmar, Pakistan, Singapore, Sri Lanka, Thailand, Vietnam (Sharma, 2014).

Genus *Timora* Walker, 1856

176. *Timora decorata* (Moore, 1881)

Pradatta decorata Moore, 1881: 365.

Distribution in India: Uttar Pradesh (Mainpuri, Saidabad), central India, Gujarat, Jammu & Kashmir, Maharashtra (Nagpur), Karnataka (Belgaum), West Bengal, Sikkim (Moore, 1881).

Elsewhere: Afghanistan, Myanmar, Sri Lanka (Moore, 1881).

177. *Timora modesta* (Moore, 1881)

Pradatta modesta Moore, 1881: 366.

Distribution in India: Uttar Pradesh (Mainpuri), Maharashtra (Mumbai), Madhya Pradesh, Karnataka, Kerala (Moore, 1881; Seymour, 1972).

178. *Timora radiata* (Moore, 1881)

Masalia radiata Moore, 1881: 364.

Distribution in India: Uttar Pradesh (Mainpuri), Rajasthan (Ajmer), Sikkim, Darjeeling, Karnataka, Kerala (Moore, 1881; Seymour, 1972).

Subfamily NOCTUINAE Latreille, 1809

Genus *Agrotis* Ochseneheimer, 1816

179. *Agrotis biconica* Kollar, [1844] (Plate 6, Figure 45)

Agrotis biconica Kollar, [1844]: 480.

Material examined: India, Uttar Pradesh, Aligarh, AT, 12.viii.2018, 6 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); W Himalaya, Punjab, Sikkim, throughout the Maharashtra, Chennai presidencies (Hampson, 1894); N Maharashtra (Gurule, 2013); Madhya Pradesh (Jabalpur) (Sambath & Farooqui, 2017).

Elsewhere: S Africa (Hampson, 1894); Arabia, Madagascar, Turkey, Iran, Afghanistan, Pakistan, Myanmar, Sri Lanka (Gurule, 2013).

Remarks: New record for UP.

180. *Agrotis ipsilon* (Hufnagel, 1766) (Plate 6, Figure 46)

Phalaena ipsilon Hufnagel, 1766: 416.



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Plate 10: Figures 73-80. Adults: 73, *Diaphania indica*; 74, *Filodes fulvidorsalis*; 75, *Hydriris ornatalis*; 76, *Leucinodes orbonalis*; 77, *Maruca vitrata*; 78, *Nausinoe geometralis*; 79, *Nomophila noctuella*; 80, *Notarcha aurolinealis*.

Material examined: India, Uttar Pradesh, Aligarh, HG, 11.v.2019, 7 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Jharkhand (East Singhbhum), Bihar, Himachal Pradesh, Orissa, Punjab, West Bengal (Sambath, 2014).

Elsewhere: Pakistan & Sri Lanka in the Indian subregion, Tibet, China, Java, Austro-Papuan, Ethiopian, Palaearctic, Hawaiian, Nearctic, Neotropical regions (Sambath, 2014).

Remarks: New record for UP.

181. *Agrotis segetum* (Denis & Schiffermüller, 1775) (Plate 6, Figure 47)

Noctua segetum Denis & Schiffermüller, 1775: 81.

Material examined: India, Uttar Pradesh, Aligarh, AF, 22.iii.2020, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); N Maharashtra (Gurule, 2013).

Elsewhere: Europe, Sri Lanka (Hampson, 1894); Europe, South Africa, China, Japan, Hong Kong (Gurule, 2013).

Remarks: New record for UP.

Subfamily PLUSIINAE Boisduval, 1829

Genus *Autographa* Hübner, [1821]

182. *Autographa gamma* (Linnaeus, 1758) (Plate 7, Figure 49)

Phalaena gamma Linnaeus, 1758: 513.

Material examined: India, Uttar Pradesh, Aligarh, AC, 10.iii.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); NW Himalaya, Sikkim, Tamil Nadu (Nilgiris) (Hampson, 1894).

Elsewhere: St. Helena, S Africa, Madagascar, Aden, Sri Lanka (Hampson, 1894).

Remarks: New record for UP.

183. *Autographa nigrisigna* (Walker, [1858])

Plusia nigrisigna Walker, [1858]: 928.

Distribution in India: Rajasthan, Uttar Pradesh, Haryana, Himachal Pradesh (Sharma, 2014).

Elsewhere: Japan, Pakistan, Tibet (Sharma, 2014).

Remarks: Sharma (2014) reported this species as *Thysanoplusia nigrisigna* (Walker, 1857).

Genus *Chrysodeixis* Hübner, [1821]

184. *Chrysodeixis eriosoma* (Doubleday, 1843) (Plate 7, Figure 53)

Plusia eriosoma Doubleday, 1843: 285.

Material examined: India, Uttar Pradesh, Aligarh, AT, 13.vi.2020, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Jharkhand (East Singhbhum) (Sambath, 2014).

Elsewhere: Australia, China, Japan, Malaysia, North & South America (Sambath, 2014); Malaysia, Indonesia, New Zealand, New Guinea & neighbouring islands in the Pacific Ocean, Yemen, Uganda (Shubhalaxmi *et al.*, 2011).

Genus *Ctenoplusia* Dufay, 1970

185. *Ctenoplusia agnata* (Staudinger, 1892)

Plusia agnata Staudinger, 1892: 547.

Distribution in India: India (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Throughout China, Japan, Korea, Hong Kong (Kendrick, 2002).

186. *Ctenoplusia limbirena* (Guenée, 1852) (Plate 7, Figure 54)

Plusia limbirena Guenée, 1852: 350.

Material examined: India, Uttar Pradesh, Aligarh, JT, 15.vi.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); NW Himalaya, Sikkim, Tamil Nadu (Nilgiris) (Hampson, 1894); India (Kononenko & Pinratana, 2013).

Elsewhere: St. Helena, S Africa, Madagascar, Aden, Sri Lanka (Hampson, 1894); S & W Europe, Arabia, Madagascar, Myanmar, Vietnam, Malaysia, Indonesia, Timor, New Guinea, Philippines, Taiwan (Kononenko & Pinratana, 2013).

Remarks: New record for UP.

Genus *Thysanoplusia* Ichinose, 1973

187. *Thysanoplusia orichalcea* (Fabricius, 1775) (Plate 8, Figure 61)

Noctua orichalcea Fabricius, 1775: 607.

Material examined: India, Uttar Pradesh, Aligarh, JT, 15.vi.2018, 5 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Jharkhand (East Singhbhum) (Sambath, 2014).

Elsewhere: S Europe, Africa to SE Asia, Australia, New Zealand (Shubhalaxmi *et al.*, 2011); China, Japan, Mauritius, Myanmar, S Africa, Sri Lanka (Sambath, 2014).

Subfamily XYLENINAE Guenée, 1837

Genus *Auchmis* Hübner, [1821]

188. *Auchmis indica* (Walker, 1865)

Xylophasia indica Walker, 1865: 647.

Distribution in India: NW Himalaya (Kullu, Shimla, Dalhousie), Uttar Pradesh (Mainpuri) (Hampson, 1909); Punjab (Fibiger & Hacker, 2007).

Genus *Callyna* Guenée, 1852

189. *Callyna jugaria* Walker, 1858 (Plate 7, Figure 51)

Callyna jugaria Walker, 1858: 1809.

Material examined: India, Uttar Pradesh, Aligarh, SBS, 10.ix.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1894); India (Koçak & Kemal, 2012); Uttarakhand (Uniyal *et al.*, 2016).

Elsewhere: Sri Lanka (Hampson, 1894; Koçak & Kemal, 2012).

Genus *Feliniopsis* Roepke, 1938

190. *Feliniopsis indistans* (Guenée, 1852)

Hadena indistans Guenée, 1852: 87.

Distribution in India: Himachal Pradesh (Shimla, Dharamsala), Uttar Pradesh (Mainpuri, Sultanpur), central India, Tamil Nadu (Nilgiris, Chennai) (Hampson, 1908).

Elsewhere: Korea, Japan, China, Taiwan, Vietnam, Nepal, Sri Lanka

(Kononenko & Han, 2007).

Genus *Olivenebula* Kishida & Yoshimoto, 1977

191. *Olivenebula confecta* (Walker, 1858)

Triphaena confecta Walker, 1858: 1705.

Distribution in India: Himachal Pradesh (Dharamsala, Kullu, Shimla, Dalhousie), Uttar Pradesh (Mainpuri, Sultanpur) (Hampson, 1908).

Elsewhere: Nepal (Hampson, 1908).

Genus *Spodoptera* Guenée, 1852

192. *Spodoptera exigua* (Hübner, [1808]) (Plate 8, Figure 59)

Noctua exigua Hübner, [1808]: 78.

Material examined: India, Uttar Pradesh, Aligarh, KH, 18.ii.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Punjab, Sikkim, Tamil Nadu (Chennai), Rajasthan, Uttar Pradesh, Assam, Tripura, Orissa, Gujarat, Madhya Pradesh, Maharashtra, Karnataka, Haryana, Andhra Pradesh (Sharma, 2014).

Elsewhere: Sri Lanka, South Africa, Egypt, Iran, Bangladesh, Norway, Pakistan, Italy, Iraq, Indonesia, Japan, Australia, South China (Sharma, 2014).

193. *Spodoptera litura* (Fabricius, 1775) (Plate 8, Figure 60)

Noctua litura Fabricius, 1775: 601.

Material examined: India, Uttar Pradesh, Aligarh, IG, 20.iv.2018, 4 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); E India (Shubhalaxmi *et al.*, 2011); Maharashtra (Gurule & Nikam, 2013); Rajasthan, Madhya Pradesh, West Bengal, Sikkim, Odisha, Tripura, Himachal Pradesh, Uttar Pradesh, Punjab, Karnataka, Tamil Nadu, Kerala (Sharma, 2014). *Elsewhere:* China, Indo-Australian, Pacific tropics & sub-tropics (Shubhalaxmi *et al.*, 2011); Nepal, S Myanmar, Sri Lanka, Singapore, Borneo, Java, Taiwan, and also Australo-Papuan, Ethiopian, Palearctic, Hawaiian regions (Sharma, 2014).

194. *Spodoptera mauritia* (Boisduval, 1833)

Hadena mauritia Boisduval, 1833: 240.

Distribution in India: Jharkhand (East Singhbhum), Andaman & Nicobar Islands, Himachal Pradesh, Madhya Pradesh, Maharashtra, Odisha, Punjab, Tamil Nadu, Uttar Pradesh, West Bengal (Sambath, 2014).

Elsewhere: China, Japan, Indo-Australian & Pacific tropics (Shubhalaxmi *et al.*, 2011); Australo-Papuan, Ethiopio-Malagassic, Hawaiian regions, Indonesia, Pakistan, Philippines, S Myanmar, Sri Lanka, W Malaysia (Sambath, 2014).

Genus *Xanthia* Ochsenheimer, 1816

195. *Xanthia rectilineata* Hampson, 1894

Xanthia rectilineata Hampson, 1894: 171.

Distribution in India: Uttar Pradesh (Sultanpur), Himachal Pradesh (Kangra, Kulu) (Hampson, 1894).

Elsewhere: Europe (Hampson, 1894).

Family NOLIDAE Hampson, 1894

Subfamily CHLOEPHORINAE Stainton, 1859

Genus *Carea* Walker, [1857]

196. *Carea angulata* (Fabricius, 1793) (Plate 8, Figure 62)

Bombyx angulata Fabricius, 1793: 481.

Material examined: India, Uttar Pradesh, Aligarh, 1 ex., SBS, 10.ix.2019, 1 ex. (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Himachal Pradesh (Dharamsala), Sikkim, Tamil Nadu (Nilgiris) (Hampson, 1894); Maharashtra (Gurule & Nikam, 2013).

Elsewhere: Sri Lanka (Hampson, 1894); China, Indonesia (Shubhalaxmi *et al.*, 2011).

Remarks: New record for UP.

Genus *Earias* Hübner, [1825]

197. *Earias vittella* (Fabricius, 1794) (Plate 8, Figure 63)

Tinea vittella Fabricius, 1794: 293.

Material examined: India, Uttar Pradesh, Aligarh, AT, 24.viii.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Bihar, Tamil Nadu, Karnataka, Haryana, Rajasthan, Madhya Pradesh, Punjab, Assam, Andhra Pradesh, Delhi, Orissa, Manipur, Uttar Pradesh (Sharma, 2014).

Elsewhere: Fiji, Thailand, Saudi Arabia, Sri Lanka, East Africa, Pakistan, Bangladesh, Myanmar, Indonesia, New Guinea (Sharma, 2014).

Subfamily ELIGMINAE Mell, 1943

Genus *Selepa* Moore, 1858

198. *Selepa celtis* Moore, [1860]

Selepa celtis Moore, [1860]: 353.

Distribution in India: India (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: China, Japan, Indonesia, Philippines, Australia, Hong Kong (Kendrick, 2002).

Subfamily NOLINAE Bruand, 1846

Genus *Nola* Leach, [1815]

199. *Nola analis* (Wileman & West, 1928)

Celama analis Wileman & West, 1928: 388.

Distribution in India: Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Nepal, Hong Kong (Kendrick, 2002).

Family NOTODONTIDAE Stephens, 1829

Subfamily NOTODONTINAE Stephens, 1829

Genus *Leucolopa* Hampson, 1896

200. *Leucolopa undulifera* Hampson, 1896

Leucolopa undulifera Hampson, 1896: 460.

Distribution in India: Uttar Pradesh, Assam, Meghalaya, Arunachal Pradesh (Chandra *et al.*, 2018).

Elsewhere: China (Chandra *et al.*, 2018).

Genus *Hyperaeschrella* Strand, 1916**201. *Hyperaeschrella nigribasis* (Hampson, [1893])***Hyperaeschra nigribasis* (Hampson, [1893]): 165.*Distribution in India:* Uttarakhand (Dehradun), Uttar Pradesh, Sikkim, NE India (Chandra *et al.*, 2018).*Elsewhere:* Afghanistan, Bhutan, Taiwan, Indonesia, Laos, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand, Vietnam (Chandra *et al.*, 2018).

Subfamily DUDUSINAE Matsumura, 1925

Genus *Syntypistis* Turner, 1907**202. *Syntypistis umbrosa* (Matsumura, 1927)***Quadricalcarifera umbrosa* Matsumura, 1927: 6.*Distribution in India:* Uttarakhand (Dehradun), Uttar Pradesh, Nagaland (Chandra *et al.*, 2018).*Elsewhere:* China, Taiwan, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Philippines (Chandra *et al.*, 2018).**Genus *Gangarides* Moore, [1866]****203. *Gangarides vittipalpis* (Walker, 1869)***Lonomia vittipalpis* Walker, 1869: 90.*Distribution in India:* Uttar Pradesh (Varanasi), Assam, Arunachal Pradesh (Chandra *et al.*, 2018).*Elsewhere:* China, Indonesia (Borneo), Malaysia, Myanmar, Nepal, Thailand, Vietnam (Chandra *et al.*, 2018).

Subfamily PHALERINAE Butler, 1886

Genus *Antheua* Walker, 1855**204. *Antheua servula* (Drury, 1773) (Plate 8, Figure 64)***Noctua servula* Drury, 1773: 20.*Material examined:* India, Uttar Pradesh, Aligarh, AC, 07.ix.2019, 1 ex., (Coll. SAF).*Distribution in India:* Uttar Pradesh (Aligarh); Himachal Pradesh (Shimla), Uttarakhand (Nainital), Bihar (Palamau Tiger Reserve), Chhattisgarh, Madhya Pradesh (Indore, Damoh, Bandhavgarh NP), Maharashtra (Mumbai), Tamil Nadu (Nilgiri Hills) (Chandra *et al.*, 2018).*Elsewhere:* Indonesia, Myanmar, Sri Lanka (Chandra *et al.*, 2018).*Remarks:* New record for UP.**Genus *Phalera* Hübner, [1819]****205. *Phalera raya* Moore, 1859***Phalera raya* Moore, 1859: 433.*Distribution in India:* Jharkhand (East Singhbhum), Himachal Pradesh, Maharashtra, Nagaland, Uttar Pradesh, West Bengal (Sambath, 2014); Uttarakhand (Dehradun, Askot WLS, Kumaon), Sikkim, Chhattisgarh (Bilaspur), Madhya Pradesh (Hoshangabad, Seoni, Bandhavgarh National Park, Pachmari Biosphere Reserve), Tamil Nadu (Nilgiris) (Chandra *et al.*, 2018).*Elsewhere:* Cambodia, China, Indonesia (Borneo), Laos, Myanmar, Nepal, Thailand, Vietnam, Sri Lanka (Chandra *et al.*, 2018).

Subfamily PYGAERINAE Duponchel, [1845]

Genus *Clostera* Samouelle, 1819**206. *Clostera fulgurita fulgurita* (Walker, 1865)***Ichthyura fulgurita* Walker, 1865: 433.*Distribution in India:* Himachal Pradesh (Chamba), Uttarakhand, Uttar Pradesh, S India (Chandra *et al.*, 2018).*Elsewhere:* China, Indonesia (Borneo, Java, Sulawesi), Myanmar, Nepal, Papua New Guinea, Sri Lanka (Chandra *et al.*, 2018).**207. *Clostera restituta* (Walker, 1865)***Ichthyura restituta* Walker, 1865: 433.*Distribution in India:* Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Uttarakhand (Kumaon), Uttar Pradesh, West Bengal (Darjeeling), Madhya Pradesh (Indore), Chhattisgarh, Maharashtra (Pune), Andaman & Nicobar Islands (Chandra *et al.*, 2018).*Elsewhere:* Afghanistan, China, Borneo, Myanmar, Nepal, Pakistan, Sri Lanka (Chandra *et al.*, 2018).**Superfamily PTEROPHOROIDEA Latreille, 1802****Family PTEROPHORIDAE Latreille, 1802**

Subfamily unassigned

Genus *Exelastis* Meyrick, 1907**208. *Exelastis atomosa* Walsingham, 1886***Exelastis atomosa* Walsingham, 1886: 885.*Distribution in India:* Assam, Madhya Pradesh, Punjab, Maharashtra, Karnataka, Andhra Pradesh, Delhi, Gujarat, Orissa, Rajasthan, Tamil Nadu, Uttar Pradesh (Sharma, 2014).*Elsewhere:* Indonesia, Sri Lanka, Africa, Madagascar, Nepal, New Guinea (Sharma, 2014).**Superfamily PYRALOIDEA Latreille, 1809****Family CRAMBIDAE Latreille, 1810**

Subfamily ACENTROPINAE Stephens, 1836

Genus *Elophila* Hübner, 1822**209. *Elophila responsalis* (Walker, [1866])***Diasemia responsalis* Walker, 1866: 1326.*Distribution in India:* Throughout India (Hampson, 1896); India (Mathew, 2006); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).*Elsewhere:* Myanmar, Sri Lanka, Australia, Japan (Hampson, 1896).**Genus *Parapoynx* Hübner, [1825]****210. *Parapoynx diminutalis* Snellen, 1880***Parapoynx diminutalis* Snellen, 1880: 242.*Distribution in India:* Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).*Elsewhere:* North America, adventive to Europe, Africa, SE Asia, Hong Kong (Kendrick, 2002).**211. *Parapoynx fluctuosalis* (Zeller, 1852)***Nymphula fluctuosalis* Zeller, 1852: 27.



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Plate 11: Figures 81-88. Adults: 81, *Parotis marginata*; 82, *Pygospila tyres*; 83, *Sameodes cancellalis*; 84, *Scirpophaga incertulas*; 85, *Spoladea recurvalis*; 86, *Parasa lepida*; 87, *Latoia hilaris*; 88, *Phocoderma velutina*.

Distribution in India: Throughout India including Chhatisgarh (Bilaspur, Korba, Jashpur) (Raha *et al.*, 2017); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Throughout the tropical & subtropical zones, north to Taiwan & the Sandwich Islands, south to Australia (Hampson, 1896); Africa, Madagascar (Raha *et al.*, 2017).

Subfamily CRAMBINAE Latreille, 1810

Genus *Chilo* Zincken, 1817

212. *Chilo auricilius* Dudgeon, 1905 (Plate 9, Figure 69)

Chilo auricilius Dudgeon, 1905: 405.

Material examined: India, Uttar Pradesh, Aligarh, HG, 15.x.2020, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Assam, Bihar, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Orissa, Punjab, Rajasthan, Sikkim, Tamil Nadu, West Bengal (Arora, 2000).

Elsewhere: Bangladesh, Bhutan, Formosa, Java, Malaysia, Myanmar, Papua New Guinea, Philippines, Sri Lanka, Taiwan, Thailand (Arora, 2000).

213. *Chilo partellus* (Swinhoe, 1885)

Crambus partellus Swinhoe, 1885:879.

Distribution in India: Andhra Pradesh, Assam, Bihar, New Delhi, Gujarat, Haryana, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya, Orissa, Punjab, Rajasthan, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal (Arora, 2000).

Elsewhere: Afghanistan, Comoros Islands, Japan, Indonesia, Iraq, Malawi, Nepal, Nyasaland, Pakistan, Sri Lanka, Sudan, Tanzania, Taiwan, Uganda (Arora, 2000).

214. *Chilo sacchariphagus indicus* (Kapur, 1950)

Chilo indicus Kapur, 1950: 414-415.

Distribution in India: Andhra Pradesh, Assam, Bihar, Haryana, Karnataka, Kerala, Maharashtra, Orissa, Tamil Nadu, Uttar Pradesh (Arora, 2000).

Elsewhere: Pakistan, Sri Lanka (Arora, 2000).

215. *Chilo suppressalis* (Walker, 1863)

Crambus suppressalis Walker, 1863: 166.

Distribution in India: Assam, Bihar, Himachal Pradesh, Kerala, Madhya Pradesh, Maharashtra, Orissa, Punjab, Rajasthan, Sikkim, Uttar Pradesh, West Bengal (Arora, 2000; Shubhalaxmi *et al.*, 2011).

Elsewhere: Azerbaijan, Cambodia, China, Formosa, Hawaii, Indonesia, Japan, South Korea, Laos, Malaysia, Pakistan, Philippines, Siberia, Sri Lanka, Taiwan, Thailand (Arora, 2000); South Korea, Malaysia, Spain (Shubhalaxmi *et al.*, 2011).

Genus *Donacoscapes* Zeller, 1877

216. *Donacoscapes steniellus* (Hampson, 1899)

Chilo steniellus Hampson, 1898: 305.

Distribution in India: Assam, Haryana, Himachal Pradesh, Maharashtra, Punjab, Rajasthan, Uttar Pradesh (Arora, 2000).

Elsewhere: Indo-China, Pakistan, Vietnam (Arora, 2000).

Subfamily ODONTIINAE Guenée, 1854

Genus *Tegostoma* Zeller, 1847

217. *Tegostoma flavida* (Moore, 1881)

Tegostoma flavida Moore, 1881: 371.

Distribution in India: Uttar Pradesh (Prayagraj), Punjab (Cotes & Swinhoe, 1887); India (Mathew, 2006).

Subfamily PYRAUSTINAE Meyrick, 1890

Genus *Agrotera* Schrank, 1802

218. *Agrotera nemoralis* Wileman, 1911

Agrotera posticalis Wileman, 1911: 374.

Distribution in India: Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Genus *Antigastra* Lederer, 1863

219. *Antigastra catalaunalis* (Duponchel, 1833) (Plate 9, Figure 65)

Botys catalaunalis Duponchel, 1833: 330.

Material examined: India, Uttar Pradesh, Aligarh, AC, 08.ii.2018, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Chhattisgarh (Jashpur, Kabirdham, Koriya), throughout India (Raha *et al.*, 2017); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Aden, Europe, E & W Africa, Myanmar (Raha *et al.*, 2017).

Genus *Botyodes* Guenée in Boisduval & Guenée, 1854

220. *Botyodes asialis* Guenée, 1854 (Plate 9, Figure 66)

Botyodes asialis Guenée, 1854: 321.

Material examined: India, Uttar Pradesh, Aligarh, BES, 18.iii.2019, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Jharkhand (East Singhbhum), West Bengal (Sambath, 2014).

Elsewhere: Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Bumthang), Nepal, Sri Lanka, China, Thailand, Hong Kong, Singapore, Sarawak, Philippines, New Guinea, Australia, Africa (Irungham *et al.*, 2016).

221. *Botyodes diniasalis* (Walker, 1859)

Botys diniasalis Walker, 1859: 649.

Distribution in India: India (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Myanmar, Nepal, China, Korea, Japan, Hong Kong (Kendrick, 2002).

Genus *Herpetogramma* Lederer, 1863

222. *Herpetogramma licarsisalis* (Walker, 1859) (Plate 9, Figure 67)

Botys licarsisalis Walker, 1859: 686.

Material examined: India, Uttar Pradesh, Aligarh, AC, 07.vii.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Chhattisgarh (Bilaspur, Durg, Kabirdham, Korba, Koriya) (Raha *et al.*, 2017).

Elsewhere: Australia, Borneo, China, Fiji, Japan, Java, Syria, Sri Lanka (Raha *et al.*, 2017).

Genus *Chabula* Moore, [1886]

223. *Chabula acamasalis* (Walker, 1859) (Plate 9, Figure 68)
Zebronia acamasalis Walker, 1859: 970.

Material examined: India, Uttar Pradesh, Aligarh, JT, 15.vi.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1896); Madhya Pradesh (Mhow, Dr. Ambedkar Nagar), Maharashtra (Pune) (Cotes & Swinhoe, 1887).

Elsewhere: Sri Lanka, Myanmar, Java, Sulawesi (Hampson, 1896); Rangoon, (Cotes & Swinhoe, 1887).

Genus *Cirrhochrista* Lederer, 1863

224. *Cirrhochrista brizoalis* (Walker, 1859) (Plate 9, Figure 70)
Margaronia brizoalis Walker, 1859: 976.

Material examined: India, Uttar Pradesh, Aligarh, AT, 12.viii.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Chhattisgarh (Bastar, Korba), Madhya Pradesh, Maharashtra, Himalaya, Tamil Nadu (Raha *et al.*, 2017).

Elsewhere: Australia, Borneo, China, Japan, Sulawesi, Taiwan (Raha *et al.*, 2017).

Genus *Cnaphalocrocis* Lederer, 1863

225. *Cnaphalocrocis bilinealis* (Hampson, 1891)
Dolichosticha bilinealis Hampson, 1891: 139.

Distribution in India: Assam, Tamil Nadu (Nilgiris) (Mandal & Bhattacharya, 1980); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Malacca, Sumatra, Java, Borneo, Sulawesi, W China (Mandal & Bhattacharya, 1980).

226. *Cnaphalocrocis medinalis* (Guenée, 1854) (Plate 9, Figure 71)
Salbia medinalis Guenée, 1854: 201.

Material examined: India, Uttar Pradesh, Aligarh, HG, 15.x.2020, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); West Bengal (Kolkata, South 24-Parganas) also Assam (Guwahati), Haryana (Kalka, Kurukshetra), Jammu & Kashmir (Srinagar), Maharashtra (Mumbai, Pune), Punjab (Chandigarh), Rajasthan (Khandela), Sikkim, Tamil Nadu, Uttarakhand (Dehradun) (Bhattacharya, 1997); Maharashtra (Gurule & Nikam, 2013).

Remarks: New record for UP.

Genus *Conogethes* Meyrick, 1844

227. *Conogethes punctiferalis* (Guenée, 1854) (Plate 9, Figure 72)
Astura punctiferalis Guenée, 1854: 320.

Material examined: India, Uttar Pradesh, Aligarh, AF, 16.vii.2019, 5 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1896); including Chhattisgarh (Kabirdham, Korba, Koriya) (Raha *et al.*, 2017).

Elsewhere: Myanmar, the Malayan subregion, Australian region (Hampson, 1896); China, Thailand, (Shubhalaxmi *et al.*, 2011); Japan, Malaysia, Sri Lanka (Raha *et al.*, 2017).

Genus *Diaphania* Hübner, 1818

228. *Diaphania indica* (Saunders, 1851) (Plate 10, Figure 73)
Eudiptes indica Saunders, 1851: 163.

Material examined: India, Uttar Pradesh, Aligarh, IG, 21.iv.2018, 4 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Maharashtra (Raha *et al.*, 2017).

Elsewhere: Throughout the Ethiopian, Oriental, Australian regions (Hampson, 1896); Nepal, China, Indo-Australia, Japan, Korea, Saudi Arabia, Central America, Africa, Madagascar (Shubhalaxmi *et al.*, 2011).

Remarks: New record for UP.

Genus *Eurrhyarodes* Snellen, 1880

229. *Eurrhyarodes bracteolalis* (Zeller, 1852)
Botys bracteolalis Zeller, 1852: 30.

Distribution in India: Throughout India (Hampson, 1896); including Chhattisgarh (Bilaspur, Korba) (Raha *et al.*, 2017); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: W & S Africa, Australia, China, Sulawesi, Indonesia, Japan, Java, Myanmar, Nepal, New Guinea, New Hebrides, Sri Lanka, Taiwan (Hampson, 1896; Raha *et al.*, 2017).

230. *Eurrhyarodes tricoloralis* (Zeller, 1852)
Botys tricoloralis Zeller, 1852: 31.

Material examined: India, Uttar Pradesh, Aligarh, SBS, 12.ix.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Punjab, Tamil Nadu (Nilgiris) (Hampson, 1896); West Bengal (Kolkata), Andaman & Nicobar Islands, Uttar Pradesh (Lucknow) (Bhattacharya, 1997).

Elsewhere: W & S Africa, Java, Australia, Sri Lanka (Hampson, 1896); Fiji, Republic of Cameroon, Australia (Moreton Bay), Philippines (Sangir, Sula), S China, Indonesia (Sumatra, Ambon), Taiwan (Bhattacharya, 1997).

Genus *Filodes* Guenée, 1854

231. *Filodes fulvidorsalis* (Hübner, 1832) (Plate 10, Figure 74)
Pinacia fulvidorsalis Hübner, 1832: 15.

Material examined: India, Uttar Pradesh, Aligarh, AC, 25.iv.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1896); Sikkim (Shubhalaxmi *et al.*, 2011).

Elsewhere: Sri Lanka, China, Vietnam, Indonesia (Shubhalaxmi *et al.*, 2011).

Genus *Glyphodes* Guenée, 1854

232. *Glyphodes actorionalis* Walker, 1859.
Glyphodesactorionalis Walker, 1859: 498.

Distribution in India: Sikkim, Andaman & Nicobar Islands (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Africa, Sri Lanka, Vietnam, China, Japan, Korea, Indonesia, Philippines, Hong Kong (Kendrick, 2002).

233. *Glyphodes bicolor* (Swainson, 1821)
Botis bicolor Swainson, 1821: 77.

Distribution in India: Throughout India (Hampson, 1896); Sikkim (Shubhalaxmi *et al.*, 2011); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Myanmar, Malayan subregion, (Hampson, 1896); Africa, Sri Lanka, Nepal, China, Thailand, Vietnam, Philippines, Japan, Australia (Shubhalaxmi *et al.*, 2011).

Genus *Haritalodes* Warren, 1890

234. *Haritalodes derogata* (Fabricius, 1775)

Phalaena derogata Fabricius, 1775: 641.

Distribution in India: Andhra Pradesh, Assam, Bihar, Delhi, Gujarat, Haryana, Karnataka, Madhya Pradesh, Rajasthan, Orissa, Punjab, Tamil Nadu, Tripura, West Bengal (Sharma, 2014); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Africa, Australia, Myanmar, Sri Lanka, China, E Siberia, Japan, Java (Sharma, 2014).

Genus *Herpetogramma* Lederer, 1863

235. *Herpetogramma licarsisalis* (Walker, 1859)

Botys licarsisalis Walker, 1859: 686.

Distribution in India: West Bengal (Kolkata, Darjeeling, Malda), Andaman & Nicobar Islands, Jharkhand (Ranchi), Himachal Pradesh (Solan), Madhya Pradesh (Mhow), Maharashtra (Mumbai, Mahabaleswar, Pune), Sikkim, Tamil Nadu (Nilgiris), Kerala, (Mandal & Maulik, 1997); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Australia, Borneo, China, Fiji, Java, Malaysia (Malacca), Marshall Islands, Pakistan (Chitral, Karachi), Sri Lanka, Syria (Mandal & Maulik, 1997).

Genus *Hydriris* Meyrick, 1885

236. *Hydriris ornatalis* (Duponchel, 1832) (Plate 10, Figure 75)

Asopia ornatalis Duponchel, 1832: 207.

Material examined: India, Uttar Pradesh, Aligarh, PK, 18.xi.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); N Maharashtra (Gurule, 2013).

Elsewhere: S Nearctic, Neotropical, Ethiopian regions, S Europe, the Oriental & Australian regions (Hampson, 1896; Gurule, 2013); China, Australia, Hong Kong (Kendrick, 2002).

Remarks: New record for UP.

Genus *Leucinodes* Guenee, 1854

237. *Leucinodes orbonalis* Guenée, 1854 (Plate 10, Figure 76)

Leucinodes orbonalis Guenée, 1854: 223.

Material examined: India, Uttar Pradesh, Aligarh, IG, 16.v.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1896).

Elsewhere: Myanmar, Sri Lanka, Java, Duke of York Islands (Hampson, 1896); South Africa (KwaZulu-Natal), Transvaal, Zimbabwe, Malawi, Zambia, Democratic Republic of the Congo, W Africa, E Africa, Asia (Kopij, 2005).

Genus *Maruca* Walker, 1859

238. *Maruca vitrata* (Fabricius, 1787) (Plate 10, Figure 77)

Phalaena vitrata Fabricius, 1787: 215.

Material examined: India, Uttar Pradesh, Aligarh, JT, 13.v.2019, 5 ex.,; India, Uttar Pradesh, Aligarh, KH, 18.ii.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Chhattisgarh (Korba, Surguja, Kabirdham, Jashpur, Bilaspur, Bastar) (Raha *et al.*, 2017).

Elsewhere: Pakistan, Sri Lanka, Bangladesh, Japan, China, Hong Kong, Taiwan, Cambodia, Laos, Myanmar, Thailand, Vietnam, Indonesia, Philippines, Malaysia, Singapore, Korea, Australia, Tasmania, New Guinea, New Caledonia, New Zealand, Melanesia, Micronesia, Polynesia, South & Central America, Africa, Arabia, Madagascar (Shubhalaxmi *et al.*, 2011).

Genus *Metoeca* Warren, 1896

239. *Metoeca foedalis* Guenée, 1854

Isopteryx foedalis Guenée, 1854: 228.

Distribution in India: Andaman & Nicobar Islands (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Thailand, Singapore, Malaya, Nepal, China, Java, Borneo, Philippines, New Guinea, Australia, Hong Kong (Kendrick, 2002).

Genus *Nausinoe* Hübner, [1825]

240. *Nausinoe geometralis* (Guenée, 1854) (Plate 10, Figure 78)

Lepyrodes geometralis Guenée, 1854: 278.

Material examined: India, Uttar Pradesh, Aligarh, IG, 17.v.2019, 1 ex.,; India, Uttar Pradesh, Aligarh, KH, 07.vi.2020, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Chhattisgarh (Bilaspur, Bastar) (Raha *et al.*, 2017).

Elsewhere: Sri Lanka, Nepal, China, Taiwan, Myanmar, Indonesia, Philippines, Australia, Africa (Shubhalaxmi *et al.*, 2011).

241. *Nausinoe perspectata* Fabricius, 1775

Phalaena pueritia Cramer, [1780]: 128.

Distribution in India: Andaman & Nicobar Islands (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka, Malaya, Nepal, Java, New Guinea (including Kai Islands), Australia, Hong Kong (Kendrick, 2002).

Genus *Nomophila* Hübner, [1825]

242. *Nomophila noctuella* (Denis & Schiffermüller, 1775) (Plate 10, Figure 79)

Tinea noctuella Denis & Schiffermüller, 1775: 136.

Material examined: India, Uttar Pradesh, Aligarh, JT, 13.v.2019, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); India (Kendrick, 2002).

Elsewhere: Universally distributed (Hampson, 1896); Europe, western Russia, central Asia, China, Japan, Hong Kong (Kendrick, 2002).

Remarks: New record for UP.

Genus *Notarcha* Meyrick, 1884

243. *Notarcha aurolinealis* (Walker, 1859) (Plate 10, Figure 80)

Zebronia aurolinealis Walker, 1859: 478.

Material examined: India, Uttar Pradesh, Aligarh, AF, 16.vii.2019, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, 1896).

Elsewhere: Sri Lanka, Myanmar, Australia, W & S Africa (Hampson, 1896); Hong Kong (Kendrick, 2002).

Genus *Omiodes* Guenée, 1854

244. *Omiodes indicata* (Fabricius, 1775)

Phalaena indicata Fabricius, 1775: 640

Distribution in India: India (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Africa, India, China, Japan, Hong Kong (Kendrick, 2002).

245. *Omiodes diemenalis* (Guenée, 1854)

Asopia diemenalis Guenée, 1854: 203.

Distribution in India: Andaman & Nicobar Islands (Kendrick, 2002); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: North Africa, Sri Lanka, Thailand, Seychelles, Vietnam, Singapore, Nepal, China, Java, Borneo, Philippines, Fiji, Tonga, Australia, New Hebrides, Tahiti, Hong Kong (Kendrick, 2002).

Genus *Orphanostigma* Warren, 1890

246. *Orphanostigma abruptalis* (Walker, 1859)

Asopia abruptalis Walker, 1859: 371.

Distribution in India: West Bengal (North 24-Parganas), Andaman & Nicobar Islands, Himachal Pradesh (Kulu, Solan), Punjab (Chandigarh), Uttarakhand (Dehradun), throughout India (Mandal & Maulik, 1997); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Australia, Myanmar, Fiji, Java, Mauritius, Sri Lanka, Taiwan, W Africa (Mandal & Maulik, 1997).

Genus *Pardomima* Warren, 1890

247. *Pardomima distortana* Strand, 1913

Lygropia distortana Strand, 1913: 75.

Distribution in India: Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Cameroon, Democratic Republic of the Congo, Equatorial Guinea, Gabon, Ghana, Ivory Coast, Nigeria and Sierra Leone (de Prins & de Prins, 2019).

Genus *Parotis* Hübner, [1831]

248. *Parotis marginata* (Hampson, 1893) (Plate 11, Figure 81)

Cenocnemis marginata Hampson, 1893: 169.

Material examined: India, Uttar Pradesh, Aligarh, AC, 08.vii.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Sikkim, West Bengal, Andaman & Nicobar Islands (Shubhalaxmi *et al.*, 2011).

Elsewhere: Sri Lanka, Papua New Guinea (Shubhalaxmi *et al.*, 2011).

Genus *Pygospila* Guenée, 1854

249. *Pygospila tyres* (Cramer, [1780]) (Plate 11, Figure 82)

Phalaena tyres Cramer, [1780]: 263.

Material examined: India, Uttar Pradesh, Aligarh, SBS, 07.ix.2019, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Sikkim, West Bengal, Nicobar Islands, Tamil Nadu (Shubhalaxmi *et al.*, 2011).

Elsewhere: Sri Lanka, Myanmar, Nepal, China, Thailand, Vietnam, Indonesia, Malaysia (Borneo), Philippines, Japan, New Guinea, Australia, Africa (Shubhalaxmi *et al.*, 2011).

Genus *Pyrausta* Schrank, 1802

250. *Pyrausta phoenicealis* (Hübner, 1818)

Haematia phoenicealis Hübner, 1818: 22.

Distribution in India: Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Comoros, Gambia, La Réunion, Madagascar, Mauritius, Namibia, Senegal, Sierra Leone, Somalia, South Africa (de Prins & de Prins, 2019).

251. *Pyrausta testalis* Fabricius, 1794

Phalaena testalis Fabricius, 1794: 227.

Distribution in India: Throughout India (Hampson, 1896); Madhya Pradesh (Indore) (Chandra *et al.*, 2010 a); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Syria, Aden, Congo, S Africa, Java, Sulawesi, Australia (Hampson, 1896).

Genus *Sameodes* Snellen, 1880

252. *Sameodes cancellalis* (Zeller, 1852) (Plate 11, Figure 83)

Botys cancellalis Zeller, 1852: 34.

Material examined: India, Uttar Pradesh, Aligarh, JT, 14.vi.2018, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Chhattisgarh (Korba, Raipur, Durg, Kabirdham, Bilaspur, Bastar) (Raha *et al.*, 2017).

Elsewhere: Sri Lanka, Nepal, Myanmar, Thailand, Indo-China, China, Indonesia, Australia, America (Shubhalaxmi *et al.*, 2011).

Genus *Spoladea* Guenée in Boisduval & Guenée, 1854

253. *Spoladea recurvalis* (Fabricius, 1775) (Plate 11, Figure 85)

Phalaena recurvalis Fabricius, 1775: 644.

Material examined: India, Uttar Pradesh, Aligarh, JT, 14.v.2019, 3 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India including Chhattisgarh (Bastar, Bilaspur, Durg, Korba, Surguja) (Raha *et al.*, 2017).

Elsewhere: Sri Lanka, Nepal, China, Myanmar, Thailand, Malaysia, Australia, North & South America, Africa, S Europe (Shubhalaxmi *et al.*, 2011); Japan (Raha *et al.*, 2017).

Genus *Synclera* Lederer, 1863

254. *Synclera traducalis* (Zeller, 1852)

Eudiotis traducalis Zeller, 1852: 54.

Distribution in India: Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Botswana, Cameroon, DR Congo, Egypt, Equatorial Guinea, Ethiopia, Gambia, Ivory Coast, La Réunion, Madagascar, Mozambique, Namibia, Senegal, Seychelles, Sierra Leone, South Africa, Tanzania, Zimbabwe (de Prins & de Prins, 2019).

Subfamily SCHOENOBIINAE Duponchel, 1846

Genus *Scirpophaga* Treitschke, 1832**255. *Scirpophaga excerptalis* (Walker, 1863)***Chilo excerptalis* Walker, 1863: 142.

Distribution in India: Arunachal Pradesh, Assam, Bihar, Delhi, Haryana, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Orissa, Punjab, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal (Arora, 2000).

Elsewhere: Indonesia (Ambon, Buru, Sumba), Sri Lanka, W Malaysia (Arora, 2000); Bhutan, Pakistan, Nepal, Bangladesh, China, Taiwan, Japan, Thailand, Vietnam, Singapore, Malaysia, Java, Timor, Philippines, New Guinea, New Hannover, New Britain, New Ireland, Australia, Solomon Islands (Irungbam *et al.*, 2016).

256. *Scirpophaga fusciflua* Hampson, 1893*Scirpophaga fusciflua* Hampson, 1893: 167.

Distribution in India: Assam, Haryana, Himachal Pradesh, Orissa, Tamil Nadu, Uttar Pradesh, West Bengal (Arora, 2000).

Elsewhere: Afghanistan, Nepal, Sri Lanka, Taiwan, Thailand (Arora, 2000).

257. *Scirpophaga gilviberbis* Zeller, 1863*Scirpophaga gilviberbis* Zeller, 1863: 2.

Distribution in India: Assam, Bihar, Himachal Pradesh, Karnataka, Meghalaya, Orissa, Tamil Nadu, Uttar Pradesh, West Bengal (Arora, 2000).

Elsewhere: Java, Myanmar, Singapore, Sri Lanka, Sulawesi, Thailand, Vietnam (Arora, 2000).

258. *Scirpophaga incertulas* (Walker, 1863) (Plate 11, Figure 84)*Chilo incertulas* Walker, 1863: 143.

Material examined: India, Uttar Pradesh, Aligarh, AF, 17.vii.2019, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Andhra Pradesh, Assam, Bihar, Delhi, Haryana, Karnataka, Kerala, Maharashtra, Orissa, Punjab, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal (Arora, 2000); throughout India including Chhattisgarh (Koriya) (Raha *et al.*, 2017); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Bhutan, Cambodia, Hong Kong, Indonesia, W Malaysia, Pakistan, Philippines, (Arora, 2000); Afghanistan, Bangladesh, Borneo, China, Japan, Java, Myanmar, Nepal, Singapore, Sri Lanka, Sumatra, Sulawesi, Taiwan, Thailand, Vietnam (Raha *et al.*, 2017).

259. *Scirpophaga magnella* de Joannis, 1930*Scirpophaga magnella* de Joannis, 1930: 608.

Distribution in India: Assam, Bihar, Himachal Pradesh, Punjab, Uttar Pradesh (Arora, 2000).

Elsewhere: Afghanistan, Bangladesh, China, Hong Kong, Iran, Myanmar, Nepal, Pakistan, Thailand, Vietnam (Arora, 2000).

260. *Scirpophaga nivella* (Fabricius, 1794)*Tinea nivella* Fabricius, 1794: 296.

Distribution in India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Haryana, Karnataka, Kerala, Madhya Pradesh, Orissa, Punjab, Uttar Pradesh, West Bengal (Arora, 2000).

Elsewhere: Malaysia, Taiwan, Timor (Arora, 2000); China (Henan, Shanghai, Jiangsu, Zhejiang, Jiangxi, Fujian, Taiwan, Guangdong, Hainan, Hong Kong, Guangxi, Yunnan), Nepal, Bangladesh, Sri Lanka, Andaman & Nicobar Islands, Myanmar, Thailand, Vietnam, W

Malaysia, Singapore, Philippines, Sumatra, Java, Borneo, Timor, Aru Islands, New Guinea, Australia, New Caledonia, Fiji (Fu-Qiang Chen, 2014).

Family PYRALIDAE Latreille, 1809

Subfamily GALLERIINAE Zeller, 1848

Genus *Achroia* Hübner, [1819]**261. *Achroia grisella* (Fabricius, 1794)***Tinea grisella* Fabricius, 1794: 289.

Distribution in India: Bihar, Himachal Pradesh, Punjab, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal (Arora, 2000).

Elsewhere: Australia, Bhutan, France, Germany, Japan, Madagascar, Sri Lanka, North America (Arora, 2000).

Genus *Corcyra* Ragonot, 1885**262. *Corcyra cephalonica* (Stainton, 1866)***Melissoblaptis cephalonica* Stainton, 1866: 172.

Distribution in India: West Bengal (Kolkatta), Uttar Pradesh, throughout India (Mandal & Maulik, 1997).

Elsewhere: Global, in warm & tropical regions (Mandal & Maulik, 1997).

Genus *Galleria* Fabricius, 1798**263. *Galleria mellonella* (Linnaeus, 1758)***Phalaena (Tinea) mellonella* Linnaeus, 1758: 537.

Distribution in India: Uttar Pradesh (Saharanpur), Andhra Pradesh, Bihar, Delhi, Kerala, Madhya Pradesh, Maharashtra, Tamil Nadu, West Bengal (Arora, 2000).

Elsewhere: Cosmopolitan (Arora, 2000).

Genus *Lamoria* Walker 1863**264. *Lamoria adaptella* (Walker, 1863)***Pempelia adaptella* Walker, 1863: 74.

Distribution in India: Throughout India (Hampson, 1896); Bihar, Maharashtra, Meghalaya, Tamil Nadu, Uttar Pradesh (Arora, 2000).

Elsewhere: S Africa, Sri Lanka, Myanmar (Hampson, 1896); Afghanistan, Europe (Arora, 2000).

Genus *Trachylepidia* Ragonot 1887**265. *Trachylepidia fructicassella* Ragonot 1887***Trachylepidia fructicassella* Ragonot, 1887: 260.

Distribution in India: Bihar, Delhi, Karnataka, Punjab, Tamil Nadu, Uttar Pradesh, West Bengal (Arora, 2000).

Elsewhere: Egypt, Papua New Guinea, Sri Lanka (Arora, 2000).

Subfamily PHYCITINAE Zeller, 1839

Genus *Cadra* Walker, 1864**266. *Cadra cautellala* (Walker, 1863)***Pempelia cautella* Walker, 1863: 73.

Distribution in India: Uttar Pradesh (Ghaziपुर), widely distributed in

Indian region (Arora, 2000).
Elsewhere: Sri Lanka (Arora, 2000).

Genus *Etiella* Zeller, 1839

267. *Etiella zinckenella* (Treitschke, 1832)
Phycis zinckenella Treitschke, 1832: 201.

Distribution in India: Uttar Pradesh (Saharanpur, Mohamadpur) (Arora, 2000).
Elsewhere: Sri Lanka (Arora, 2000).

Genus *Euzophera* Zeller, 1867

268. *Euzophera perticella* Ragonot 1888
Euzophera perticella Ragonot, 1888: 32.

Distribution in India: Andhra Pradesh, Bihar, Gujarat, Kerala, Maharashtra, Orissa, Punjab, Tamil Nadu, Uttar Pradesh (Shikohpur), West Bengal (Arora, 2000).
Elsewhere: Pakistan, Sri Lanka (Arora, 2000).

Genus *Faveria* Walker, 1859

269. *Faveria akbarella* Ragonot, 1888
Oligochroa akbarella Ragonot, 1888: 20.

Distribution in India: Uttar Pradesh (Prayagraj) (Cotes & Swinhoe, 1887); Punjab (de Prins & de Prins, 2019).
Elsewhere: Pakistan (de Prins & de Prins, 2019).

Genus *Indomyrlaea* Roesler & Küppers, 1979

270. *Indomyrlaea eugraphella* Ragonot, 1888
Nephoteryx eugraphella Ragonot, 1888: 15.

Distribution in India: Bihar, New Delhi, Punjab, Tamil Nadu, Uttar Pradesh (Mohammadpur), West Bengal (Arora, 2000).
Elsewhere: Widely distributed (Hampson, 1896).

Genus *Phycita* Curtis, 1828

271. *Phycita clientella* (Zeller, 1867)
Nephoteryx clientella Zeller, 1867: 396.

Distribution in India: Bihar, Delhi, Gujarat, Maharashtra, Tamil Nadu, Uttar Pradesh, West Bengal (Arora, 2000).
Elsewhere: China, Sri Lanka (Arora, 2000).

Genus *Phycitodes* Hampson, 1917

272. *Phycitodes albovittella* Ragonot, 1888
Phycitodes albovittella Ragonot, 1888: 35.

Distribution in India: Uttar Pradesh (Prayagraj) (Hampson, 1896).
Elsewhere: Widely distributed (Hampson, 1896).

Genus *Polyocha* Zeller, 1848

273. *Polyocha depressella* (Swinhoe, 1885)
Melissopteryx depressellus Swinhoe, 1885: 876.

Distribution in India: Andhra Pradesh, Bihar, Delhi, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Orissa, Punjab, Tamil Nadu, Uttar Pradesh (Arora, 2000).

Elsewhere: Bangladesh, Malaysia, Pakistan (Arora, 2000).

Genus *Raphimetopus* Hampson, 1918

274. *Raphimetopus ablutella* (Zeller, 1839)
Anerastia ablutella Zeller, 1839: 178.

Distribution in India: Uttar Pradesh (Prayagraj), Himachal Pradesh (Dharamshala), S India (Cotes & Swinhoe, 1887).
Elsewhere: Italy (Sicily) (Zeller, 1839).

Genus *Saluria* Ragonot, 1887

275. *Saluria inficita* (Walker, 1863)
Acrobasis inficita Walker, 1863: 30.

Distribution in India: Uttar Pradesh (Prayagraj), Madhya Pradesh (Mhow) (Hampson, 1896); Bihar, Karnataka, Orissa, Tamil Nadu (Arora, 2000).
Elsewhere: Sri Lanka (Hampson, 1896; Arora, 2000).

276. *Saluria spurcella* Ragonot, 1888
Saluria spurcella Ragonot, 1888: 42.

Distribution in India: Uttar Pradesh (Prayagraj) (Hampson, 1896).
Elsewhere: Labuan, Myanmar (Shan state) (Hampson, 1896).

Superfamily THYRIDOIDEA Herrich-Schäffer, 1846

Family THYRIDIDAE Herrich-Schäffer, 1846

Subfamily STRIGLININAE Herrich-Schäffer, 1845

Genus *Banisia* Walker, 1864

277. *Banisia myrsusalis* (Walker, 1859)
Pyralis myrsusalis Walker, 1859: 892.

Distribution in India: Throughout India (Hampson, [1893]); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).
Elsewhere: Brazil, Natal, Sri Lanka, Myanmar, Borneo (Hampson, [1893]).

Superfamily TORTRICOIDEA Latreille, [1803]

Family TORTRICIDAE Latreille, [1803]

Subfamily OLETHREUTINAE Walsingham, 1895

Genus *Cydia* Hübner, [1825]

278. *Cydia ethelinda* (Meyrick, 1934)
Laspeyresia ethelinda Meyrick, 1934: 486.

Distribution: Uttar Pradesh (Pathania *et al.*, 2020).
Elsewhere: New Zealand, and Afrotropical, Oriental, Palaearctic, Malagasy, Nearctic, Australasian, Neotropical regions (Beccaloni *et al.*, 2003).

Genus *Sycacantha* Diakonoff, 1959

279. *Sycacantha subiecta* Diakonoff, 1973
Sycacantha subiecta Diakonoff, 1973: 153.

Distribution: Uttar Pradesh (Pathania *et al.*, 2020).

Elsewhere: The type locality of this species is: India, Uttar Pradesh, Gorakhpur. No further distributional data were found.

Subfamily TORTRICINAE Latreille, 1803

Genus *Acleris* Hübner, [1825]

280. *Acleris orphnocycla* (Meyrick, 1937)

Peronea orphnocycla Meyrick, 1937: 175.

Distribution in India: Jammu & Kashmir, Punjab, Uttarakhand, Uttar Pradesh (Pathania *et al.*, 2020).

Elsewhere: China (Yunnan) (Pathania *et al.*, 2020).

Superfamily YPONOMEUTOIDEA Stephens, 1829

Family LYONETIIDAE Stainton, 1854

Subfamily CEMIOSTOMINAE

Genus *Leucoptera* Hübner, 1825

281. *Leucoptera sphenograptia* Meyrick, 1911

Leucoptera sphenograptia Meyrick, 1911: 108.

Distribution in India: Uttar Pradesh (Shujauddin & Khan, 1999); Bihar (Pusa) (Meyrick, 1911).

Superfamily ZYGAENOIDEA Latreille, 1809

Family LIMACODIDAE Duponchel, 1845

Subfamily unassigned

Genus *Altha* Walker, 1862

282. *Altha nivea* Walker, 1862

Altha nivea Walker, 1862: 173.

Distribution in India: Sikkim, Jharkhand, S India, Maharashtra (Shubhalaxmi *et al.*, 2011); Uttar Pradesh (Varanasi) (Nayak & Ghosh, 2020).

Elsewhere: Sri Lanka (Shubhalaxmi *et al.*, 2011).

Genus *Birhamoides* Hering, 1931

283. *Birhamoides junctura* (Walker, 1865)

Hyblaea junctura Walker, 1865: 857.

Distribution in India: Jharkhand (East Singhbhum), Uttar Pradesh (Sambath, 2014).

Elsewhere: Indonesia, Myanmar (Sambath, 2014).

Genus *Parasa* Moore, [1860]

284. *Parasa lepida* (Cramer, 1779) (Plate 11, Figure 86)

Noctua lepida Cramer, 1779: 130.

Material examined: India, Uttar Pradesh, Aligarh, AC, 07.viii.2018, 2 ex.; India, Uttar Pradesh, Aligarh, SBS, 08.ix.2019, 2 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, [1893]); Maharashtra (Shubhalaxmi *et al.*, 2011).

Elsewhere: Sri Lanka, Java (Hampson, [1893]; Shubhalaxmi *et al.*, 2011).

Genus *Latoia* Guérin-Méneville, [1844]

285. *Latoia hilaris* (Westwood, 1848) (Plate 11, Figure 87)

Limacodes hilaris Westwood, 1848: 50.

Material examined: India, Uttar Pradesh, Aligarh, SBS, 08.ix.2019, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); throughout India (Hampson, [1893]); N Maharashtra (Gurule & Nikam, 2013).

Elsewhere: Sri Lanka (Hampson, 1892; Gurule, 2013).

Genus *Phocoderma* Butler, 1886

286. *Phocoderma velutina* (Kollar, 1844) (Plate 11, Figure 88)

Gastropacha velutina Kollar, 1844: 473.

Material examined: India, Uttar Pradesh, Aligarh, AC, 06.vi.2018, 1 ex., (Coll. SAF).

Distribution in India: Uttar Pradesh (Aligarh); Himalaya, Maharashtra (Pune), West Bengal, Assam (Cachar) (Hampson, [1893]); Jharkhand (Singh *et al.*, 2018a).

Elsewhere: Myanmar (Hampson, [1893]).

Remarks: New record for UP.

Family ZYGAENIDAE Latreille, 1809

Subfamily CHALCOSIINAE Walker, 1865

Genus *Gynautocera* Guérin-Méneville, 1831

287. *Gynautocera papilionaria* Guérin-Méneville, 1831

Gynautocera papilionaria Guérin-Méneville, 1831: 12.

Distribution in India: Jharkhand (East Singhbhum), Assam, Himalaya, Jammu & Kashmir, Meghalaya, Nagaland, Uttar Pradesh, West Bengal (Sambath, 2014).

Elsewhere: Bangladesh, Myanmar, China, Vietnam (Sambath, 2014).

DISCUSSION

The current synthesis that resulted in this catalogue of moths from Uttar Pradesh was based on published literature and field sampling. Bearing in mind the role of certain moth species as forest pests (on poplar, bamboo, teak, sal, sissoo) and agricultural pests defoliating commercially important plants such as corn, maize, mustard, cabbage, examining the historical and present distribution patterns of such species is important to assess the possibility of range shifts under ongoing global climate change and habitat modification. Uttar Pradesh has remained neglected so far as research on this group of insects is concerned, and many range extensions for the region are reported. It is also worth noting that, in earlier literature, a number of species were mentioned as occurring in the state of Uttar Pradesh, but their localities now lie within the state of Uttarakhand and hence those species are excluded from the list published here. These species include *Cyana candida* (Felder, 1874), incorrectly mentioned as from UP by Singh *et al.* (2020); *Agalope hyalina* (Kollar, 1844) from Mussourie and Kumaon (Bhattacharya, 1997), and *Hyalobathra coenostolalis* (Snellen, 1890) from Mussourie (Mandal & Maulik, 1997).

Table 3: List of species cited as occurring “throughout India” by Hampson ([1893]) that have not yet been confirmed as occurring in Uttar Pradesh.

S.No.	Species	Superfamily	Family	Subfamily
1.	<i>Actias selene</i> (Hübner, [1807])	Bombycoidea	Saturniidae	Saturniinae
2.	<i>Antheraea assamensis</i> Helfer, 1837	Bombycoidea	Saturniidae	Saturniinae
3.	<i>Antheraea paphia</i> (Linnaeus, 1758)	Bombycoidea	Saturniidae	Saturniinae
4.	<i>Antheraea roylei</i> Moore, [1859]	Bombycoidea	Saturniidae	Saturniinae
5.	<i>Attacus atlas</i> (Linnaeus, 1758)	Bombycoidea	Saturniidae	Saturniinae
6.	<i>Caligula thibeta extensa</i> (Butler, 1881)	Bombycoidea	Saturniidae	Saturniinae
7.	<i>Cricula trifenestrata</i> (Helfer, 1837)	Bombycoidea	Saturniidae	Saturniinae
8.	<i>Loepa katinka</i> (Westwood, 1848)	Bombycoidea	Saturniidae	Saturniinae
9.	<i>Neoris huttoni huttoni</i> Moore, 1862	Bombycoidea	Saturniidae	Saturniinae
10.	<i>Samia cynthia</i> (Drury, 1773)	Bombycoidea	Saturniidae	Saturniinae
11.	<i>Hippotion velox</i> (Fabricius, 1793)	Bombycoidea	Sphingidae	Macroglossinae
12.	<i>Macroglossum gyrans</i> (Walker, 1856)	Bombycoidea	Sphingidae	Macroglossinae
13.	<i>Neogurelca hyas</i> (Walker, 1856)	Bombycoidea	Sphingidae	Macroglossinae
14.	<i>Theretra gnoma</i> (Fabricius, 1775)	Bombycoidea	Sphingidae	Macroglossinae
15.	<i>Theretra lucasii</i> (Walker, 1856)	Bombycoidea	Sphingidae	Macroglossinae
16.	<i>Theretra silhetensis</i> (Walker, 1856)	Bombycoidea	Sphingidae	Macroglossinae
17.	<i>Psilogamma increta</i> (Walker, 1865)	Bombycoidea	Sphingidae	Sphinginae
18.	<i>Psilogamma menephron menephron</i> (Cramer, 1780)	Bombycoidea	Sphingidae	Sphinginae
19.	<i>Orientozeuzera postexcisa</i> Hampson, 1892	Cossoidea	Cossidae	Zeuzerinae
20.	<i>Xyleutes persona</i> (Le Guillou, 1841)	Cossoidea	Cossidae	Zeuzerinae
21.	<i>Zeuzera multistrigata</i> Moore, 1881	Cossoidea	Cossidae	Zeuzerinae
22.	<i>Achrosis incitata</i> (Walker, 1862)	Geometroidea	Geometridae	Ennominae
23.	<i>Antitrygodes divisaria</i> (Walker, 1861)	Geometroidea	Geometridae	Ennominae
24.	<i>Catoria sublavoria</i> (Guenée, 1857)	Geometroidea	Geometridae	Ennominae
25.	<i>Cleora alienaria</i> (Walker, 1860)	Geometroidea	Geometridae	Ennominae
26.	<i>Chiasmia emersaria</i> (Walker, 1861)	Geometroidea	Geometridae	Ennominae
27.	<i>Chiasmia nora</i> (Walker, 1861)	Geometroidea	Geometridae	Ennominae
28.	<i>Godonela pluviata</i> (Fabricius, 1798)	Geometroidea	Geometridae	Ennominae
29.	<i>Isturgia disputaria</i> (Guenée, 1858)	Geometroidea	Geometridae	Ennominae
30.	<i>Thinopteryx crocoptera</i> Kollar, 1844	Geometroidea	Geometridae	Ennominae
31.	<i>Maxates coelataria</i> (Walker, 1861)	Geometroidea	Geometridae	Geometrinae
32.	<i>Pingasa chlora</i> (Stoll, [1782])	Geometroidea	Geometridae	Geometrinae
33.	<i>Pingasa ruginaria</i> (Guenée, 1857)	Geometroidea	Geometridae	Geometrinae
34.	<i>Problepsis deliaria</i> (Guenée, [1858])	Geometroidea	Geometridae	Sterrhinae
35.	<i>Problepsis delphitaria</i> (Guenée, 1858)	Geometroidea	Geometridae	Sterrhinae
36.	<i>Scopula actuaria</i> (Walker, 1861)	Geometroidea	Geometridae	Sterrhinae
37.	<i>Scopula fibulata</i> (Guenée, [1858])	Geometroidea	Geometridae	Sterrhinae
38.	<i>Scopula remotata</i> (Guenée, [1858])	Geometroidea	Geometridae	Sterrhinae
39.	<i>Somatina anthophilata</i> Guenée, 1858	Geometroidea	Geometridae	Sterrhinae
40.	<i>Timandra grisaeata</i> Petersen, 1902	Geometroidea	Geometridae	Sterrhinae
41.	<i>Suana concolor</i> Walker, 1855	Lasiocampoidea	Lasiocampidae	Lasiocampinae
42.	<i>Aloa marginata</i> (Donovan, 1805)	Noctuoidea	Erebidae	Arctiinae
43.	<i>Cyana peregrina</i> (Walker, 1854)	Noctuoidea	Erebidae	Arctiinae
44.	<i>Nyctemera adversata</i> (Schaller, 1788)	Noctuoidea	Erebidae	Arctiinae
45.	<i>Nyctemera lacticiaria</i> (Cramer, [1777])	Noctuoidea	Erebidae	Arctiinae
46.	<i>Nyctemera latistriga</i> Walker, 1854	Noctuoidea	Erebidae	Arctiinae
47.	<i>Olepa clavatus</i> (Swinhoe, 1885)	Noctuoidea	Erebidae	Arctiinae
48.	<i>Mangina argus</i> (Kollar, [1844])	Noctuoidea	Erebidae	Arctiinae
49.	<i>Mangina syringa</i> (Cramer, [1775])	Noctuoidea	Erebidae	Arctiinae
50.	<i>Eublemma cochylioides</i> (Guenée, 1852)	Noctuoidea	Erebidae	Boletobiinae
51.	<i>Gesonia obeditalis</i> Walker, [1859]	Noctuoidea	Erebidae	Boletobiinae
52.	<i>Rhesala imparata</i> Walker, 1858	Noctuoidea	Erebidae	Boletobiinae
53.	<i>Eudocima hypermnestra</i> (Stoll, [1780])	Noctuoidea	Erebidae	Calpinae
54.	<i>Plusiodonta coelonota</i> (Kollar, 1844)	Noctuoidea	Erebidae	Calpinae
55.	<i>Arcte coerulea</i> (Guenée, 1852)	Noctuoidea	Erebidae	Erebinae
56.	<i>Bastilla arcuata</i> (Moore, 1877)	Noctuoidea	Erebidae	Erebinae
57.	<i>Bastilla crameri</i> (Moore, [1885])	Noctuoidea	Erebidae	Erebinae
58.	<i>Bastilla fulvotaenia</i> (Guenée, 1852)	Noctuoidea	Erebidae	Erebinae
59.	<i>Buzara onelia</i> (Guenée, 1852)	Noctuoidea	Erebidae	Erebinae
60.	<i>Catephia linteola</i> Guenée, 1852	Noctuoidea	Erebidae	Erebinae
61.	<i>Dysgonia algira</i> (Linnaeus, 1767)	Noctuoidea	Erebidae	Erebinae
62.	<i>Erebus caprimulgus</i> (Fabricius, 1775)	Noctuoidea	Erebidae	Erebinae
63.	<i>Erebus crepuscularis</i> (Linnaeus, 1758)	Noctuoidea	Erebidae	Erebinae
64.	<i>Erebus hieroglyphica</i> (Drury, 1773)	Noctuoidea	Erebidae	Erebinae
65.	<i>Erygia apicalis</i> Guenée, 1852	Noctuoidea	Erebidae	Erebinae
66.	<i>Erygia spissa</i> (Guenée, 1852)	Noctuoidea	Erebidae	Erebinae
67.	<i>Hulodes caranea</i> (Cramer, [1780])	Noctuoidea	Erebidae	Erebinae
68.	<i>Hypopyra vespertilio</i> (Fabricius, 1787)	Noctuoidea	Erebidae	Erebinae
69.	<i>Hypospila bolinooides</i> Guenée, 1852	Noctuoidea	Erebidae	Erebinae
70.	<i>Lacera alope</i> (Cramer, [1780])	Noctuoidea	Erebidae	Erebinae
71.	<i>Macaldenia palumba</i> (Guenée, 1852)	Noctuoidea	Erebidae	Erebinae
72.	<i>Oxyodes scrobiculata</i> (Fabricius, 1775)	Noctuoidea	Erebidae	Erebinae
73.	<i>Pericyma glaucinans</i> (Guenée, 1852)	Noctuoidea	Erebidae	Erebinae
74.	<i>Pericyma umbrina</i> (Guenée, 1852)	Noctuoidea	Erebidae	Erebinae
75.	<i>Pindara illibata</i> Fabricius, 1775	Noctuoidea	Erebidae	Erebinae
76.	<i>Platyja umminia</i> (Cramer, [1780])	Noctuoidea	Erebidae	Erebinae
77.	<i>Polydesma umbricola</i> Boisduval, 1833	Noctuoidea	Erebidae	Erebinae
78.	<i>Serrodos partita</i> (Fabricius, 1775)	Noctuoidea	Erebidae	Erebinae
79.	<i>Speiredonia itynx</i> (Fabricius, 1787)	Noctuoidea	Erebidae	Erebinae
80.	<i>Speiredonia mutabilis</i> (Fabricius, 1794)	Noctuoidea	Erebidae	Erebinae
81.	<i>Sphingomorpha chlorea</i> (Cramer, [1777])	Noctuoidea	Erebidae	Erebinae
82.	<i>Sympis rufibasis</i> Guenée, 1852	Noctuoidea	Erebidae	Erebinae

Table 3: List of species cited as occurring “throughout India” by Hampson ([1893]) that have not yet been confirmed as occurring in Uttar Pradesh, continued.

S.No.	Species	Superfamily	Family	Subfamily
83.	<i>Thyas honesta</i> Hübner, 1806	Noctuoidea	Erebidae	Erebinae
84.	<i>Hydrilloides lentalis</i> Guenee, 1854	Noctuoidea	Erebidae	Herminiinae
85.	<i>Nodaria cingala</i> Moore, [1885]	Noctuoidea	Erebidae	Herminiinae
86.	<i>Simplicia robustalis</i> (Guenée, 1854)	Noctuoidea	Erebidae	Herminiinae
87.	<i>Dichromia indicatalis</i> (Walker, [1859])	Noctuoidea	Erebidae	Hypeninae
88.	<i>Dichromia sagitta</i> (Fabricius, 1775)	Noctuoidea	Erebidae	Hypeninae
89.	<i>Hypena abyssinialis</i> Guenée, 1854	Noctuoidea	Erebidae	Hypeninae
90.	<i>Hypena abducalis</i> Walker, [1859]	Noctuoidea	Erebidae	Hypeninae
91.	<i>Hypena lividalis</i> (Hübner, 1796)	Noctuoidea	Erebidae	Hypeninae
92.	<i>Nepita conferta</i> (Walker, 1854)	Noctuoidea	Erebidae	Lithosiinae
93.	<i>Arctornis submarginata</i> (Walker, 1855)	Noctuoidea	Erebidae	Lymantriinae
94.	<i>Artaxa guttata</i> Walker, 1855	Noctuoidea	Erebidae	Lymantriinae
95.	<i>Calliteara horsfieldii</i> (Saunders, 1851)	Noctuoidea	Erebidae	Lymantriinae
96.	<i>Euproctis flavinata</i> (Walker, 1865)	Noctuoidea	Erebidae	Lymantriinae
97.	<i>Euproctis varians</i> (Walker, 1855)	Noctuoidea	Erebidae	Lymantriinae
98.	<i>Lymantria ampla</i> (Walker, 1855)	Noctuoidea	Erebidae	Lymantriinae
99.	<i>Lymantria beatix</i> (Stoll, [1790])	Noctuoidea	Erebidae	Lymantriinae
100.	<i>Lymantria obsoleta</i> Walker, 1855	Noctuoidea	Erebidae	Lymantriinae
101.	<i>Perina nuda</i> (Fabricius, 1787)	Noctuoidea	Erebidae	Lymantriinae
102.	<i>Psalis pennatula</i> (Fabricius, 1793)	Noctuoidea	Erebidae	Lymantriinae
103.	<i>Somena scintillans</i> Walker, 1856	Noctuoidea	Erebidae	Lymantriinae
104.	<i>Anomis mesogona</i> (Walker, [1858])	Noctuoidea	Erebidae	Scoliopteryginae
105.	<i>Anomis sabulifera</i> (Guenée, 1852)	Noctuoidea	Erebidae	Scoliopteryginae
106.	<i>Calesia dasypterus</i> (Kollar, 1844)	Noctuoidea	Erebidae	Tinoliinae
107.	<i>Eutelia favillatrixoides</i> Poole, 1989	Noctuoidea	Euteliidae	Euteliinae
108.	<i>Penicillaria jocosatrix</i> Guenée, 1852	Noctuoidea	Euteliidae	Euteliinae
109.	<i>Penicillaria nugatrix</i> Guenee, 1852	Noctuoidea	Euteliidae	Euteliinae
110.	<i>Targalla delatrix</i> (Guenée, 1852)	Noctuoidea	Euteliidae	Euteliinae
111.	<i>Stictoptera cucullioides</i> Guenée, 1852	Noctuoidea	Euteliidae	Stictopterinae
112.	<i>Aegocera bimacula</i> Walker, 1854	Noctuoidea	Noctuidae	Agaristinae
113.	<i>Episteme adalatrix</i> (Kollar, [1844])	Noctuoidea	Noctuidae	Agaristinae
114.	<i>Xanthodes albugo</i> (Fabricius, 1794)	Noctuoidea	Noctuidae	Bagisarinae
115.	<i>Xanthodes intersepta</i> Guenée, 1852	Noctuoidea	Noctuidae	Bagisarinae
116.	<i>Xanthodes transversa</i> Guenée, 1852	Noctuoidea	Noctuidae	Bagisarinae
117.	<i>Condica conducta</i> Walker, 1857	Noctuoidea	Noctuidae	Condicinae
118.	<i>Callopietria maillardi</i> (Guenée, 1862)	Noctuoidea	Noctuidae	Eriopinae
119.	<i>Maliatha signifera</i> (Walker, [1858])	Noctuoidea	Noctuidae	Eustrotinae
120.	<i>Thiacidas postica</i> Walker, 1855	Noctuoidea	Noctuidae	Pantheinae
121.	<i>Trisula variegata</i> Moore, 1858	Noctuoidea	Noctuidae	Pantheinae
122.	<i>Actinotia intermediata</i> (Bremer, 1861)	Noctuoidea	Noctuidae	Xyleninae
123.	<i>Trachea auriplena</i> (Walker, 1857)	Noctuoidea	Noctuidae	Xyleninae
124.	<i>Blenina accipiens</i> Walker [1858]	Noctuoidea	Nolidae	Chloephorinae
125.	<i>Earias cupreoviridis</i> (Walker 1862)	Noctuoidea	Nolidae	Chloephorinae
126.	<i>Ancylolomia chrysographellus</i> (Kollar, [1844])	Pyraloidea	Crambidae	Crambinae
127.	<i>Crocidolomia pavonana</i> (Fabricius, 1794)	Pyraloidea	Crambidae	Evergestinae
128.	<i>Aethaloessa floralis</i> (Zeller, 1852)	Pyraloidea	Crambidae	Pyraustinae
129.	<i>Bocchoris onychinalis</i> (Guenée, 1854)	Pyraloidea	Crambidae	Pyraustinae
130.	<i>Cnaphalocrocis poeyalis</i> (Boisduval, 1833)	Pyraloidea	Crambidae	Pyraustinae
131.	<i>Coptobasis lunalis</i> (Guenée, 1854)	Pyraloidea	Crambidae	Pyraustinae
132.	<i>Crypsiptya coclesalis</i> (Walker, 1859)	Pyraloidea	Crambidae	Pyraustinae
133.	<i>Dysallacta negatalis</i> (Walker, 1859)	Pyraloidea	Crambidae	Pyraustinae
134.	<i>Euclasta defamatalis</i> Walker, 1859	Pyraloidea	Crambidae	Pyraustinae
135.	<i>Glyphodes caesalis</i> (Walker, 1859)	Pyraloidea	Crambidae	Pyraustinae
136.	<i>Glyphodes/Parotis marinata</i> (Fabricius, 1794)	Pyraloidea	Crambidae	Pyraustinae
137.	<i>Glyphodes pyloalis</i> Walker, 1859	Pyraloidea	Crambidae	Pyraustinae
138.	<i>Herpetogramma stultalis</i> (Walker, 1859)	Pyraloidea	Crambidae	Pyraustinae
139.	<i>Nevrina procopia</i> (Stoll, [1781])	Pyraloidea	Crambidae	Pyraustinae
140.	<i>Palpita nigropunctalis</i> (Bremer, 1864)	Pyraloidea	Crambidae	Pyraustinae
141.	<i>Pardomima amyntusalis</i> (Walker, 1859)	Pyraloidea	Crambidae	Pyraustinae
142.	<i>Parotis vertumnalis</i> (Guenée, 1854)	Pyraloidea	Crambidae	Pyraustinae
143.	<i>Patania balteata</i> (Fabricius, 1798)	Pyraloidea	Crambidae	Pyraustinae
144.	<i>Pycnarmon cribrata</i> (Fabricius, 1794)	Pyraloidea	Crambidae	Pyraustinae
145.	<i>Rehimena phrynealis</i> (Walker, 1859)	Pyraloidea	Crambidae	Pyraustinae
146.	<i>Syngamia latimarginalis</i> Walker, 1859	Pyraloidea	Crambidae	Pyraustinae
147.	<i>Scirpophaga xanthogastrella</i> (Walker, 1863)	Pyraloidea	Crambidae	Schoenobiinae
148.	<i>Canthelea oegnusalis</i> (Walker, 1859)	Pyraloidea	Pyralidae	Phycitinae
149.	<i>Thylacoptila paurosema</i> Meyrick, 1885	Pyraloidea	Pyralidae	Phycitinae
150.	<i>Banisia myrtaea</i> (Drury, 1773)	Thyridoidea	Thyrididae	Striglininae
151.	<i>Striglina scitaria</i> (Walker, 1862)	Thyridoidea	Thyrididae	Striglininae
152.	<i>Dysodia miniata</i> Walker, 1863	Thyridoidea	Thyrididae	Thyridinae
153.	<i>Miresa albipuncta</i> (Herrich-Schäffer, [1854])	Zygaenoidea	Limacodidae	Limacodinae

ACKNOWLEDGMENTS

The authors are very grateful to the Chairperson, Department of Zoology, Aligarh Muslim University for continuous support of this work and authors are thankful to Dr. Rahul Joshi (Scientist "C") at Zoological Survey of India, Patna, and Dr. Devanshu Gupta (Scientist "C") and 'Section-In-Charge', Coleoptera Section at Zoological Survey of India, Kolkata, for providing his guidance, confirmation of species identification and encouragement to compile this work. The first author also extends his gratitude to Ms. Kazi Sabnam Siddiqua, Research Scholar (Ph.D. Student), Department of Zoology, AMU, Aligarh for necessary photography in the manuscript as well as to Mr. Nikhil Kuni, Junior Project Fellow at Zoological Survey of India, Patna, for his help in preparing the plates, and for their support to carry out this research work thanks to Late Dr. Mohd. Imran Khan, Mr. Mohammad Haris, Mr. Mohammad Shariq, Mr. Furkan Khan, Mr. Mohammad Sajid Ansari, Mr. Nazarul Hasan, Mr. Rayyan Ahmad, Mr. Shah Noor, Mr. Shahid Anwar Ansari for helping in field surveys and sample collection. We are very grateful to the two reviewers for their comments and suggestions. Thanks are also due to Keith Willmott, (McGuire Center for Lepidoptera and Biodiversity, Florida Museum of Natural History, United States) for his continuous efforts in timely processing of the manuscript.

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Aegocera venulia



Trabala vishnou