



Original article

Taxonomic review of the superfamily Pyraloidea in Bhutan (Lepidoptera)



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ABSTRACT

The result of an investigation of the lepidopteran fauna of Central and Southern Bhutan (Bumthang, Dagana, Trongsa, Tsirang, and Sarpang districts) is presented in this study. The investigation was the part of the Invertebrate Documentation Project of Bhutan initiated by the National Biodiversity Center, Thimphu, funded by the Bhutan Trust Fund for Environmental Conservation, Thimphu. The checklist was based on the systematic collections by light trapping at nine locations and the occasional collections from native forest and gardens within the five districts of Central and Southern Bhutan. The specimens were photographed and collected as specimens for future identification and reference. A list of 182 species belonging to families Crambidae and Pyralidae is presented, including 92 species as new records for the country. All the studied specimens are deposited at "Invertebrate Referral Collection Center" at the National Biodiversity Center, Thimphu.

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Introduction

Bhutan is a landlocked country placed between India and Tibet (China) on the southern slopes of the Himalayan range. The country lies on the border between Oriental and Palaearctic regions and hence is considered very rich in terms of lepidopteran diversity. The altitudes range from 200 m in the southern foothills to more than 7000 m in the northern part of country. The lowland parts are inhabited by typical Oriental species, whereas Palaearctic species are known to be from high altitudes. But there is a lack of information on the Lepidoptera fauna of Bhutan. Few works on the moths of Bhutan have been found at "The Fauna of British India" series (Hampson 1892, 1894, 1895, 1896a) but the information is insufficient. Sir George Hampson (1899) reported 75 species of Pyraloidea, which are the only available records on Pyraloidea of Bhutan. In neighboring countries, a significant amount of work on moths has been conducted. Robinson et al (1995) and Yamanaka (1995, 1998, 2000) have reported the presence of 558 species of

Pyraloidea from Nepal through the specimens from the collection of the Natural History Museum, London and the late Mr T. Haruta and Mr S. Sakurai. Kirti and Sodhi (2001) reported the presence of 102 species of Pyraustinae in the state of Arunachal Pradesh (India) and Bhattacharya (1997) reported 72 species from West Bengal (India) which gives us the rich diversity of this family in the area. However, no information on Pyraloidea fauna is known from Bhutan. Thus, to fill up this gap in knowledge of the fauna, here we present the first checklist on Pyraloidea of Bhutan. The present checklist is based on the study conducted by the authors in Central and Southern parts of Bhutan in the last 2 years (2013–2015).

Materials and methods

During our collection of specimens in Bhutan during 2013–2015, we were able to make a rich collection of Pyraloidea moths. The moth specimens were collected from five districts of Bhutan (Bumthang, Dagana, Trongsa, Tsirang and Sarpang). The moth trapping sites in these districts with Global Positioning System coordinates are provided in the map (Figure 1, Table 1). Field collection of the specimens was carried out using fluorescent bulbs on a white cloth sheet hanging (Figure 2A) and mercury vapor (MV) light traps (Figure 2B) at different sites. Identifications were made by comparison with available literature (Hampson 1896a; Inoue

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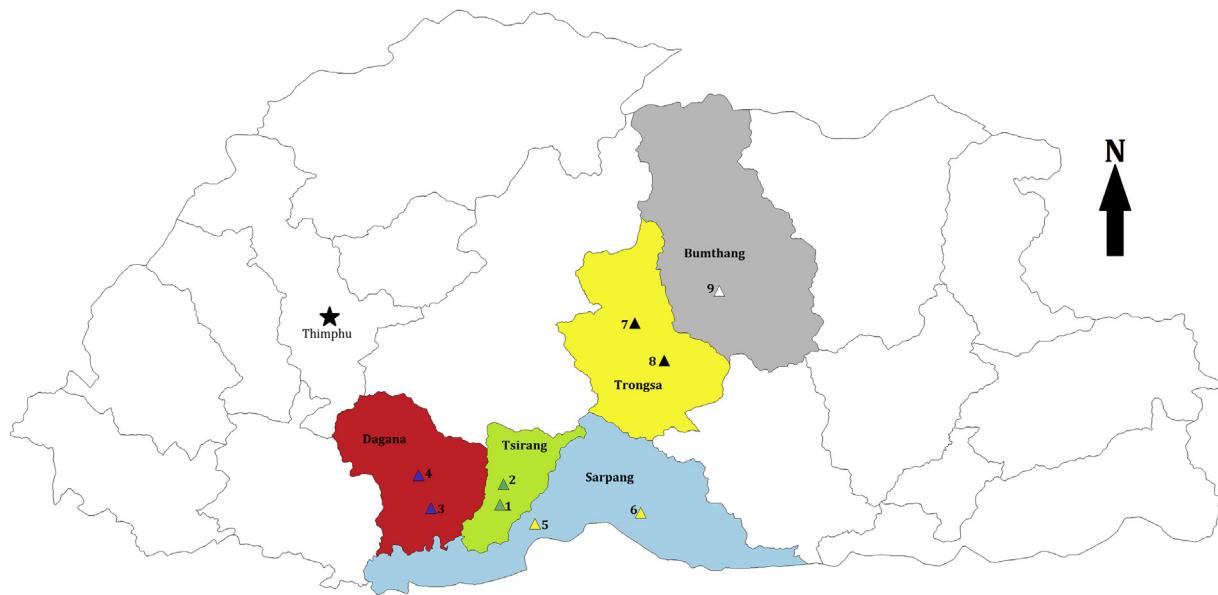


Figure 1. Map showing the districts in Bhutan where the light trapping of moths were set up during October 2013 to October 2015. N = north.

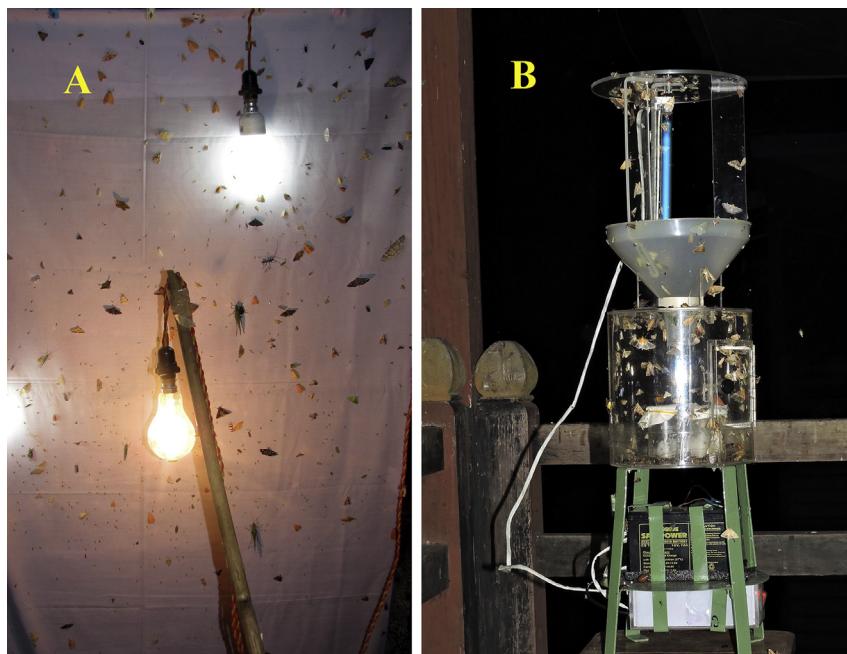


Figure 2. Light traps used during the study: A, Plain cloth sheet trap with fluorescent lamp; B, mercury vapour lamp light trap.

1996, 1997; Kendrick 2002; Robinson et al 1994; Yamanaka 1995, 1998, 2000). The list order and taxonomic nomenclature are based upon Solis (2007) and Nuss et al (2016).

For all identified species, the general specific information, including references for the original descriptions, material examined, and the local and global distributions of the species are given. Images for adults with their labels are provided (Figures 3–14). The new records of the species for Bhutan are marked with an asterisk (*) in the systematic list. Specimens of each of the species referred in this paper were deposited at the Invertebrate Referral Collection Centre (IRCC), National Biodiversity Centre (NBC), Thimphu, Bhutan.

Taxonomic accounts

Order Lepidoptera Linnaeus, 1758

Family Crambidae Latreille, 1810

Subfamily Acentropinae Stephens, 1836

***Eoophyla peribocalis* (Walker, 1859b)* (Figure 3A)**

Cataclysta peribrocalis Walker, 1859b: 446

Material examined. Bhutan, 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♀, Damphu (Tsirang), 12 ix 2014 (J.S.

Table 1. Geographic coordinates of collection localities in Bhutan.

Sr. No.	Locality	Latitude (N)	Longitude (E)
1	Mendrelgang	26°57'0.57"N	90°06'51.78"E
2	Damphu	27°00'24.818"N	90°07'26.596"E
3	Dagana	27°01'56.23"N	89°53'16.549"E
4	Dagapela	26°56'27.839"N	89°55'22.754"E
5	Sarpang	26°53'51.159"N	90°12'44.098"E
6	Gelephu	26°55'41.369"N	90°30'22.082"E
7	Trongsa	27°27'21.059"N	90°29'22.756"E
8	Langthel	27°21'05.40"N	90°34'17.61"E
9	Bumthang	27°32'44.6"N	90°43'30.5"E

Sr. = Serial.

Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 3♀, Gelephu (Sarpang), 21 iii 2015 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Sarpang, Gelephu), Nepal, India, Sri Lanka, China, Vietnam, Yemen (Li et al 2003; Yamanaka 1998).

Remarks. This species is reported for the first time from Bhutan.

***Eoophyla sejunctalis* (Snellen, 1876)* (Figure 3B)**

Oligostigma sejunctalis Snellen, 1876: 196 (key), 207, pl. 9, fig. 11a-c

Material examined. Bhutan 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Dagana, 21 iii 2014 (J.S. Irungbam and M.S. Chib); 2♂, Bumthang, 10 iv 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Bumthang), India, Sri Lanka, China, Thailand (Hampson 1896a; Li et al 2003).

Remarks. This species is reported for the first time from Bhutan.

***Eristena auropunctalis* (Hampson, 1903)**

Oligostigma auropunctalis Hampson, 1903: 210

Material examined. No specimen found during study.

Distribution. Bhutan (Hampson 1896a).

Remarks. The species was not found during the study. This genus is indicative of unpolluted streams (Kendrick 2002).

***Eristena bifurcalis* (Pryer, 1877)* (Figure 3C)**

Cataclysta bifurcalis Pryer, 1877: 232, pl. 4, fig. 4.

Material examined. Bhutan 2♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Dagana, 21 iii 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Damphu, Dagana), China, Hong Kong (Chen et al 2006b; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Hyaloplagia pulchralis* (Moore, 1867)* (Figure 3D)**

Hydrocampus pulchralis Moore, 1867: 90

Material examined. Bhutan 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagapela (Dagana), 18 v 2015 (J.S. Irungbam); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Dagana, Dagapela, Gelephu), Nepal, India (North East) (Yamanaka 1998).

Remarks. This species is reported for the first time from Bhutan.

***Paraponyx fluctuosalis* (Zeller, 1852)* (Figure 3E)**

Nymphula fluctuosalis Zeller, 1852: 27

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 3♀, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib); 2♀, Bumthang, 12 x 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Bumthang, Sarpang, Gelephu), Nepal, China, Japan, Thailand, W. Malaysia, Singapore, Hong Kong, Sumatra, Java, Bali, Brunei, Sabah, Swarak, Labuan, Philippines, Australia (Chen et al 2006c; Kendrick 2002; Robinson et al 1994, 1995; Wang et al 1981; Yamanaka 2000).

Remarks. It is a new record from Bhutan and recorded from all the study areas. *Oryza sativa* L. and *Nymphaea* spp. are the few known host plants of this species (Chen et al 2006c).

***Paraponyx stagnalis* (Zeller, 1852)* (Figure 3F)**

Nymphula stagnalis Zeller, 1852: 26

Material examined. Bhutan 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 1♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 2♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 3♀, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib); 2♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), Nepal, India, Myanmar, Thailand, W. Malaysia, Singapore, Sumatra, Java, Bali, Sabah, Swarak, Philippines (Chen et al 2006c; Hampson 1896a; Robinson et al 1994; Yamanaka 2000).

Remarks. This species is reported for the first time from Bhutan. *Oryza sativa* L., *Panicum* sp., *Eragrostis* sp., and *Paspalum* sp. are the few known host plants of this species (Chen et al 2006c).

Strepsinoma croesusalis* Walker, 1859b (Figure 3G)

Cataclysta croesusalis Walker, 1859b: 449

Material examined. Bhutan 2♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 1♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), India, China, Hong Kong, Andaman Island, Thailand, West Malaysia, Sabah, Swarak, Kalimantan, Australia (Caradja and Meyrick 1933; Kendrick 2002; Robinson et al 1994).

Remarks. This species is reported for the first time from Bhutan.

Subfamily Crambinae Latreille, 1810

***Calamotropha latellus* (Snellen, 1890)* (Figure 3H)**

Crambus latellus Snellen, 1890: 644

Material examined. Bhutan 2♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 1♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Sarpang, Gelephu), India, Myanmar (Savela 2016).

Remarks. This species is reported for the first time from Bhutan.

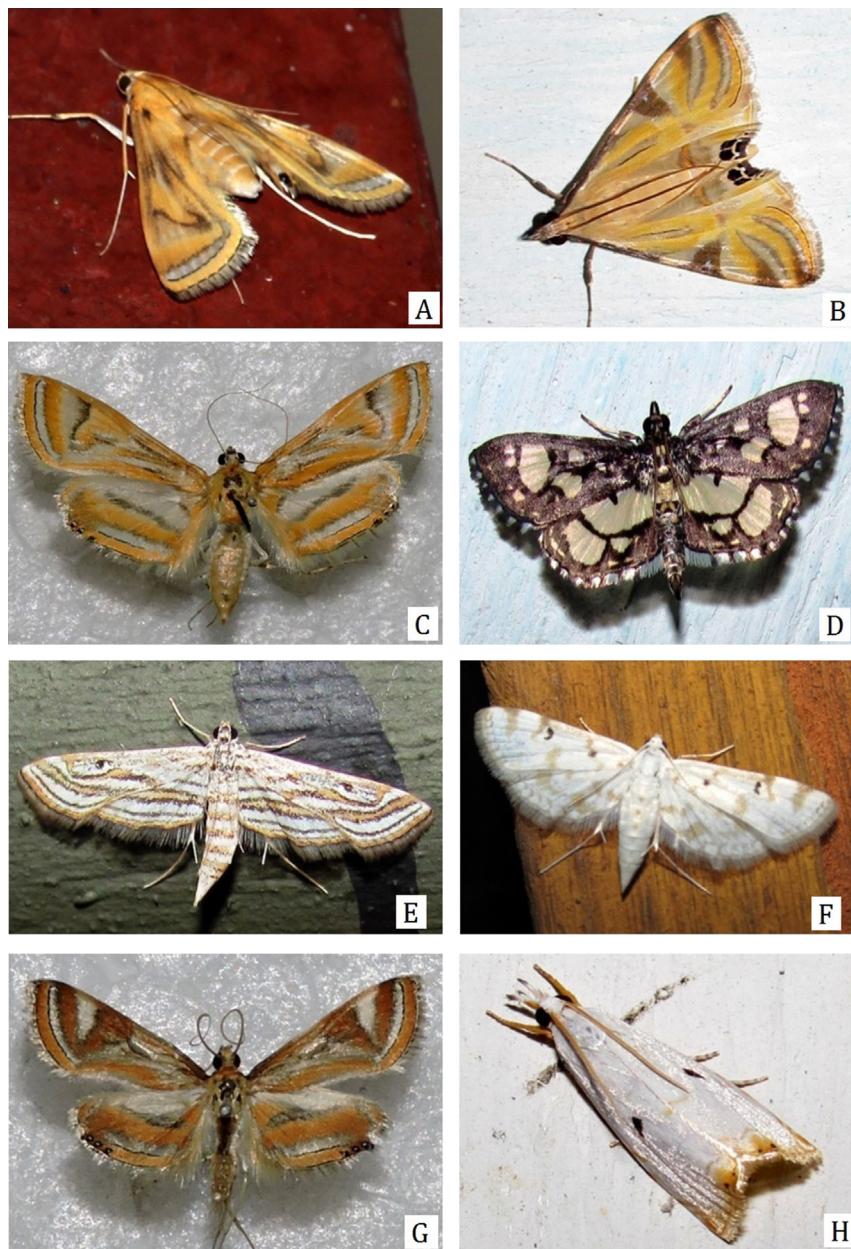


Figure 3. Adults of family Crambidae (Acentropinae, Crambinae): A, *Eoophyla peribocalis* Walker, 1859; B, *Eoophyla sejunctalis* Snellen, 1876; C, *Eristena bifurcalis* (Pryer, 1877); D, *Hyalopлага pulchralis* (Moore, 1867); E, *Paraponyx fluctuosalis* Zeller, 1852; F, *Paraponyx stagnalis* Zeller, 1852; G, *Strepsinoma croesusalis* Walker, 1859; H, *Calamotropha latella* Snellen, 1890.

***Calamotropha argenticilia* (Hampson, 1896b)**

Crambus argenticilia Hampson, 1896b: 937

Material examined. Not available.

Distribution. Bhutan, India, Sri Lanka (Hampson 1896b; Savela 2016).

***Glaucocharis minutalis* (Hampson, 1893)**

Ditomoptera minutalis Hampson, 1893: 179, pl. 174, fig. 31.

Material examined. Not available.

Distribution. Bhutan, India, Sri Lanka (Hampson 1896a).

***Gargela renatusalis* (Walker, 1859b)**

Zebronia renatusalis Walker, 1859b: 484

Material examined. Not available.

Distribution. Bhutan, India, Brunei, Sabah, Sarawak, Kalimantan (Hampson 1896a; Robinson et al 1994).

Remarks. The species was not found during the study.

Subfamily Cybalomiinae Marion, 1955

***Trichophysetis gracilentalis* (Swinhoe, 1890)**

Callinaias gracilentalis Swinhoe, 1890: 287, pl. 8, fig. 6

Material examined. Not available.

Distribution. Bhutan, Myanmar (Hampson 1896a).

Remarks. The species was not found during the study.

Subfamily Musotiminae Meyrick, 1884

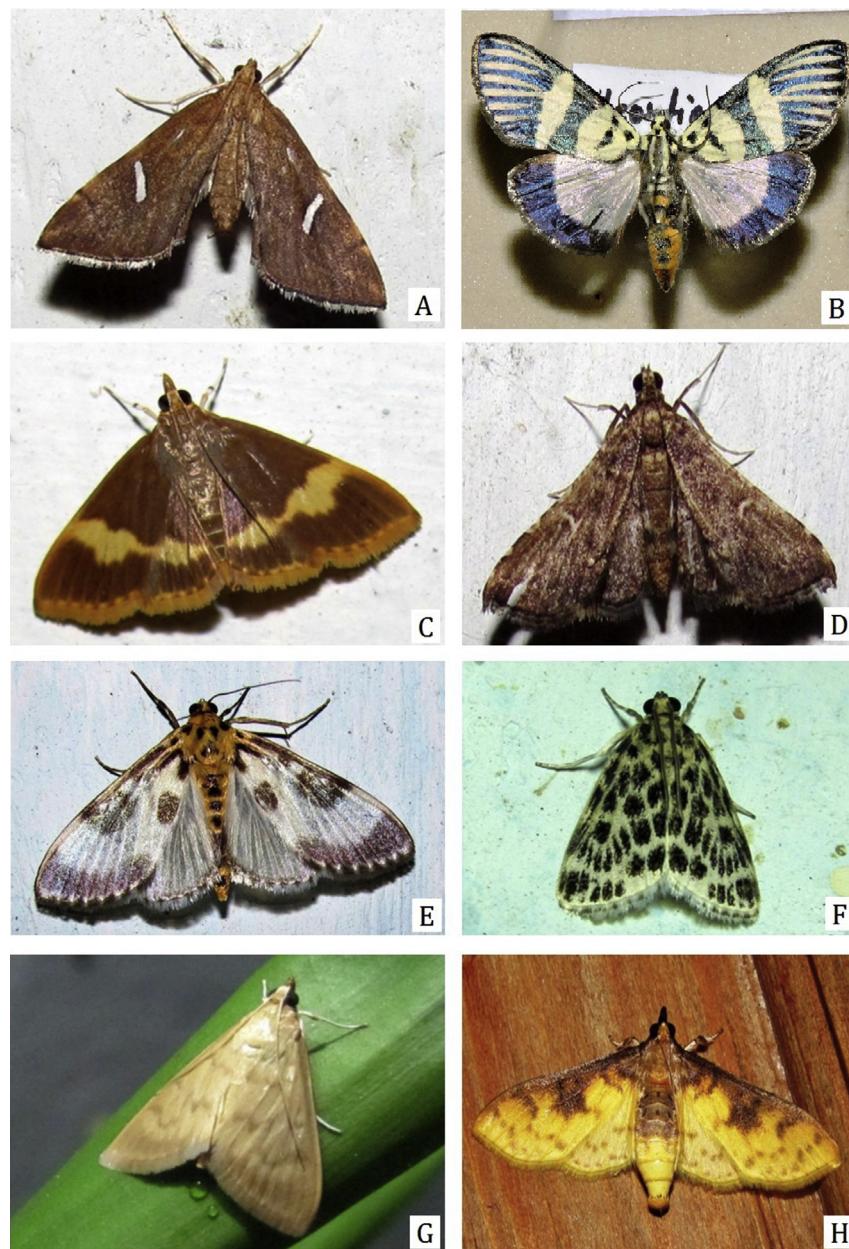


Figure 4. Adults of family Crambidae (Musotiminae, Odontiinae, Pyraustinae): A, *Uthinia albesignalis* Hampson, 1896a; B, *Heortia vitessoides* (Moore 1885); C, *Crocidophora fasciata* (Moore, 1888); D, *Diathrausta profundalis* Lederer, 1863; E, *Epiparbattia gloriosalis* whalleyi Munroe and Mutuura, 1971; F, *Erpis macularis* Walker 1863; G, *Hyalobathra miniosalis*, Guenée, 1854; H, *Pachynoa sabelialis* (Guenée, 1854).

***Uthinia albesignalis* (Hampson, 1896a)* (Figure 4A)**
Orphanophanes albesignalis Hampson, 1896a:231

Material examined. Bhutan 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Sarpang, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Langthel (Trongsa), 12 ix 2013 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Trongsa, Sarpang, Gelephu), Nepal, India, Myanmar, Thailand, Vietnam, West Malaysia, Java, Sabah, Philippines (Yamanaka 1998).

Remarks. This species is reported for the first time from Bhutan.

***Neurophyseta irrectalis* (Guenée, 1854)**

Cymoriza irrectalis Guenée, 1854: 272, pl. 9, fig. 4.

Material examined. Not available.

Distribution. Bhutan, North East India, Taiwan (Hampson 1896a).

Remarks. The species was not found during the study.

***Drosophantis caeruleata* (Hampson, 1893)**

Ambia caeruleata Hampson, 1893: 1–182, pls. 157–176.

Material examined. Not available.

Distribution. Bhutan, India, Sri Lanka, Taiwan, Thailand, Sumatra, Australia (Robinson et al 1994).

Remarks. The species was not found during the study.

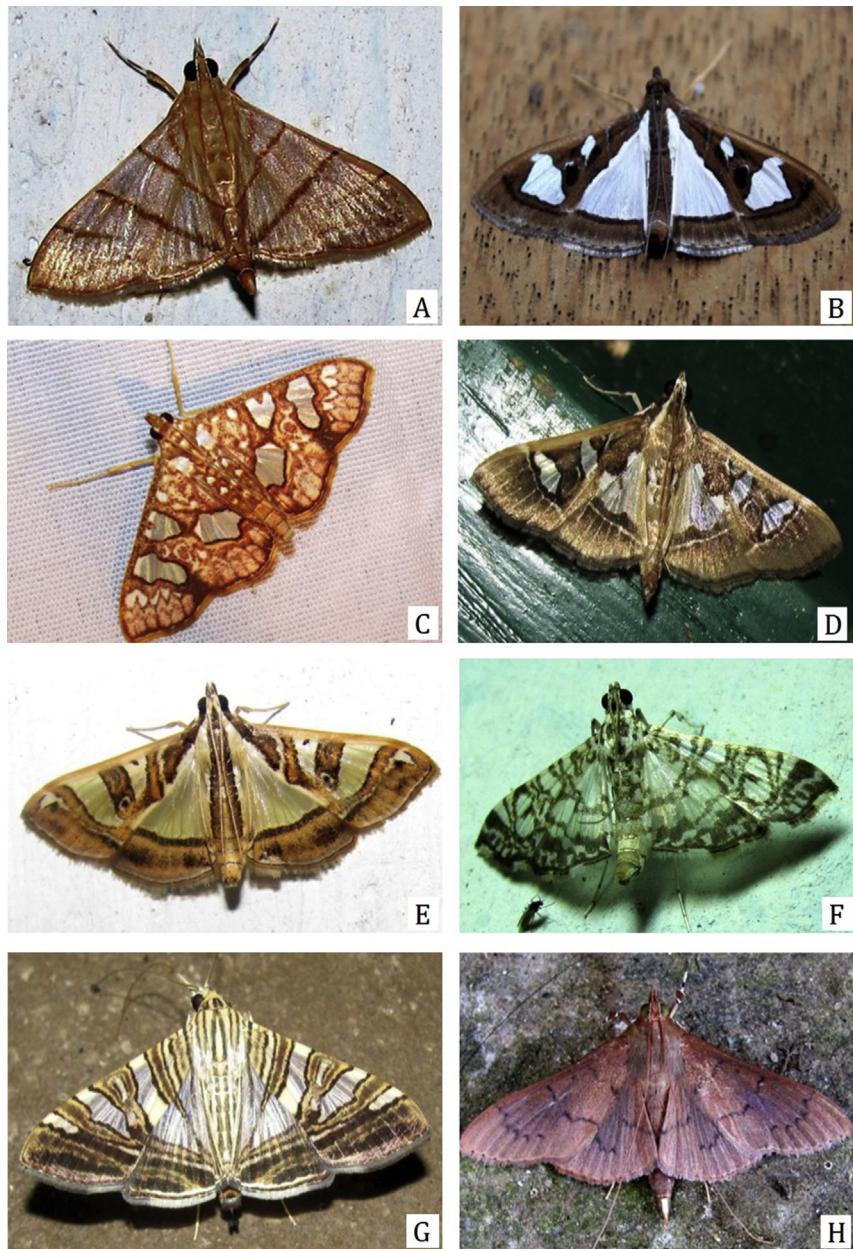


Figure 5. Adults of family Crambidae (Pyraustinae, Spilomelinae): A, *Pagyda salvalis* Walker, 1859; B, *Glyphodes bivitralis* Guenée, 1854; C, *Glyphodes canthusalis* Walker, 1859; D, *Glyphodes crithealis* (Walker, 1859); E, *Glyphodes harutai* Yamanaka, 1998; F, *Glyphodes onychinalis* (Guenée, 1854); G, *Glyphodes stolalis* Guenée, 1854; H, *Patania caletoralis* (Walker, 1859).

Subfamily Odontiinae Guenée, 1854

***Autocharis fessalis* (Swinhoe, 1886)**

Glyphodes fessalis Swinhoe, 1886: 459, pl. 41, fig. 13

Material examined. Bhutan 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Gelephu), India, Pakistan, Democratic Republic of Congo, the Seychelles, South Africa, the United Arab Emirates, Yemen ([Hampson 1896a](#)).

Remarks. Usually attracted to light.

***Heortia vitessoides* (Moore 1885)* (Figure 4B)**

Tyspana vitessoides Moore (1885): 256, pl. 178, fig. 3a

Material examined. Bhutan 3♂, Mendrelgang (Tsirang), 20 iv 2015 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Trongsa, 23 viii 2014 (K. Wangdi); 2♀, Bumthang, 20 vi 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu, Trongsa, Bumthang), North East India, Sri Lanka, Myanmar, China, Hong Kong, Thailand, West Malaysia, Sumatra, Brunei, Sabah, Sarawak, Kalimantan ([Caradja and Meyrick 1933](#); [Hampson 1896a](#); [Kendrick 2002](#); [Nakao 2015](#); [Robinson et al 1994](#)).

Remarks. This species is reported for the first time from Bhutan. Common in woodland and shrubland, sometimes abundant;

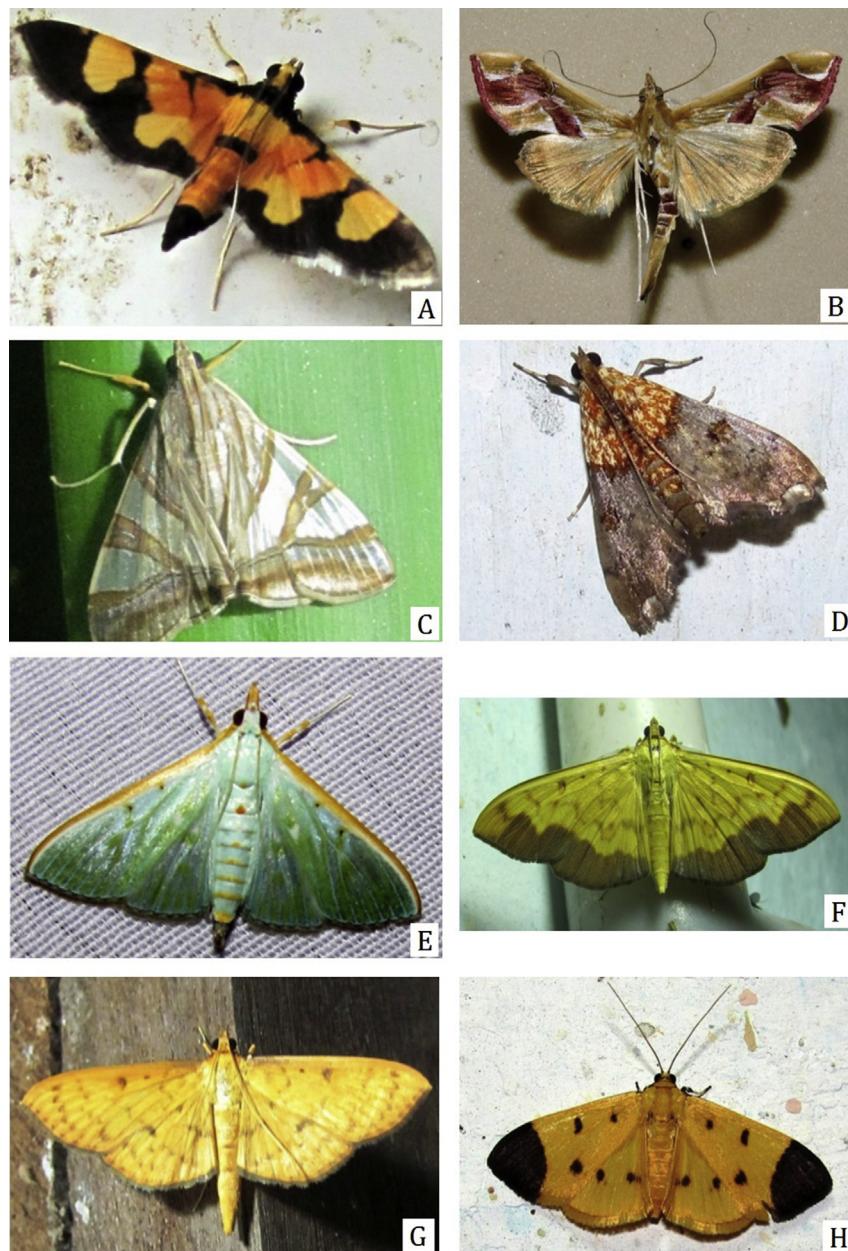


Figure 6. Adults of family Crambidae (Spilomelinae): A, *Aethaloessa calidalis* (Guenée, 1854); B, *Agathodes ostentalis* (Geyer, 1837); C, *Agrioglypta zelimalis* (Walker, 1859); D, *Agrotera basinotata* Hampson, 1891; E, *Arthroschista hilaralis* (Walker, 1859); F, *Botyodes asialis* Guenée, 1854; G, *Botyodes caldusalis* Walker, 1859; H, *Botyodes crocoperalis* Hampson, 1899.

multivoltine, recorded throughout the year, with peaks in February, June, July, August, October, November, and December (Kendrick 2002).

***Hyalinarcha hyalinalis* (Hampson, 1896a)**

Boetarcha hyalinalis Hampson, 1896a: 419

Material examined. Not available.

Distribution. Bhutan, the Andaman Islands (Hampson 1896a).

Remarks. The species was not found during the study.

Subfamily Pyraustinae Meyrick, 1890

***Circobotys occultilinea* (Walker, 1863)**

Crambus occultilinea Walker, 1863: 168

Material examined. Not available.

Distribution. Bhutan, India, West Malaysia, Sumatra, Sabah, Sarawak, Philippines (Robinson et al 1994).

Remarks. The species was not found during the study.

***Circobotys limbata* Moore, 1888**

Circobotys limbata Moore, 1888: 220, pl. 7, fig. 24.

Material examined. Not available.

Distribution. Bhutan, North East India (Hampson 1896a).

Remarks. The species was not found during the study.

***Crocidophora fasciata* (Moore, 1888)* (Figure 4C)**

Hapalia fasciata Moore, 1888: 223, pl. 7, fig. 20.

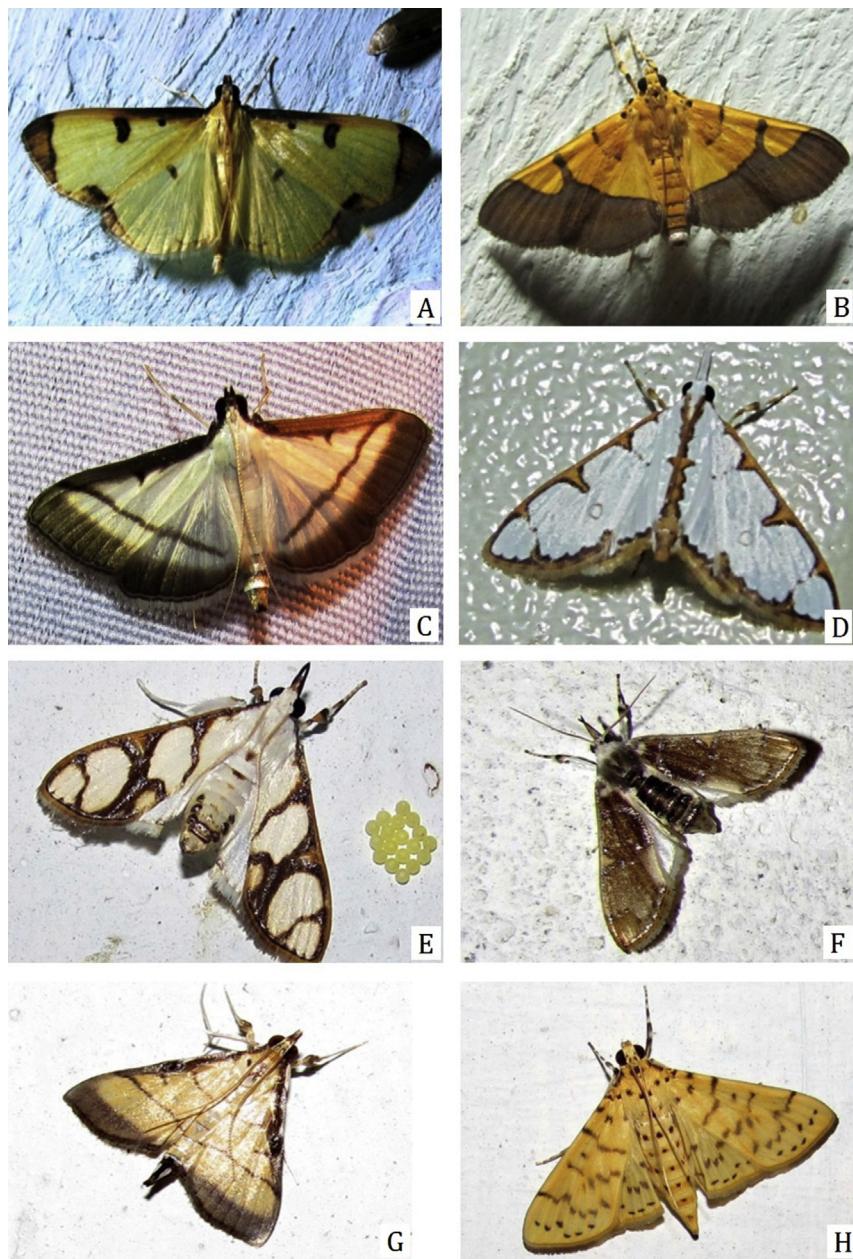


Figure 7. Adults of family Crambidae (Spilomelinae): A, *Uncobotyodes patulalis* Walker, 1866a; B, *Endocrosis flavibasalis* Moore, 1867; C, *Bradina diagonalis* Guenée, 1852; D, *Cirrhochrista brizoalis* (Walker, 1859); E, *Cirrhochrista fumipalpis* Felder and Rogenhofer, 1875; F, *Cirrhochrista fuscusa* Chen, Song and Wu 2006; G, *Cnaphalocrosis medicinalis* Guenée, 1854; H, *Conogethes punctiferalis* Guenée, 1854.

Material examined. Bhutan 2♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 3♀, Gelephu (Sarpang), 21 iii 2015 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Damphu, Dagana, Sarpang, Gelephu), India, Nepal ([Hampson 1896a](#); [Yamanaka 1995](#)).

Remarks. This species is reported for the first time from Bhutan.

***Crocidophora lutusalis* Snellen, 1890**

Crocidophora lutusalis Snellen, 1890: 597

Material examined. Not available.

Distribution. Bhutan, India, Canara Island ([Hampson 1896a](#)).

Remarks. The species was not found during the study.

***Crypsiptya coclesalis* (Walker, 1859c)**

Botys coclesalis Walker, 1859c: 701–702

Material examined. Not available.

Distribution. Bhutan, Nepal, India, Myanmar, West Malaysia, Singapore, Hong Kong, Java, Sarawak, Japan, Philippines, Australia. ([Liu and Shen 1992](#); [Robinson et al 1994](#); [Robinson et al 1995](#); [Yamanaka 1998](#); [Kendrick 2002](#)).

Remarks. The species was not found during the study.

***Daulia afralis* Walker, 1859d**

Daulia afralis Walker, 1859d: 975–976

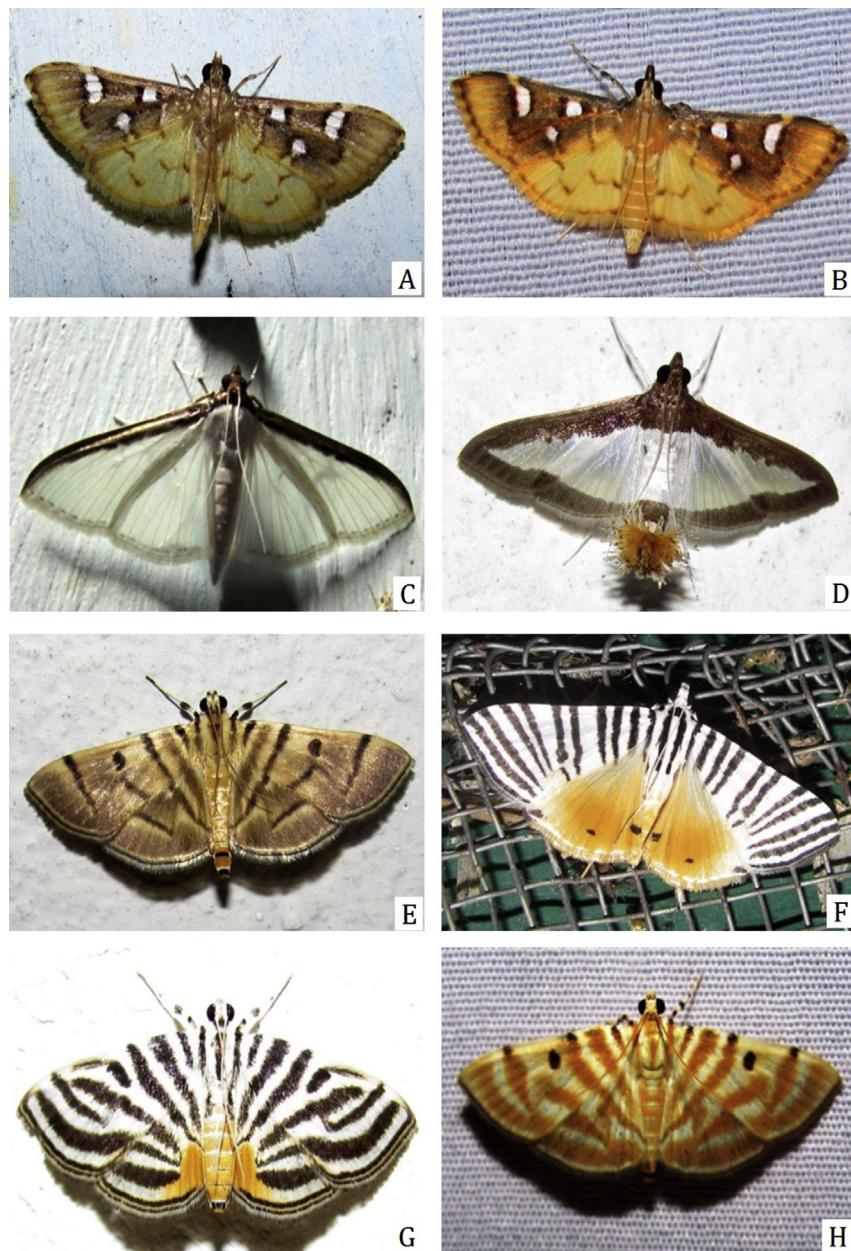


Figure 8. Adults of family Crambidae (Spilomelinae): A, *Cotachena nepalensis* Yamanaka, 2000; B, *Cotachena pubescens* (Warren, 1892); C, *Cydalima conchylalis* (Guenée, 1854); D, *Diaphania indica* Saunders, 1851; E, *Dichocrocis definita* (Butler, 1889); F, *Dichocrocis zebraalis* (Moore, 1867); G, *Dichocrosis rigidalis* (Snellen, 1890); H, *Orthospila orissusalis* (Walker, 1859).

Material examined. Bhutan 1♂, Mendrelgang (Tsirang), 12 iv 2015 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang), South India, Myanmar, China, Borneo, Hong Kong, Kalimantan (Hampson 1896a; Wang et al 1981; Kendrick 2002).

Remarks. Occasionally found the specimen during the study.

Diathrausta profundalis* Lederer, 1863 (**Figure 4D**)
Diathrausta profundalis Lederer, 1863: 438, pl. 2, fig. 24, pl. 17, fig. 7.

Material examined. Bhutan 1♂, Mendrelgang (Tsirang), 12 iv 2015 (J.S. Irungbam and M.S. Chib); 2♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂,

Gelephu (Sarpang), 21 iii 2015 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), Nepal, India, Sumbawa, Hong Kong (Hampson 1896a; Robinson et al 1995; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

Epipar battia gloriosalis whalleyi* Munroe and Mutuura, 1971 (**Figure 4E**)

Epipar battia gloriosalis whalleyi Munroe and Mutuura, 1971: 506, figs. 3, 4, 6, 8.

Material examined. Bhutan 2♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam

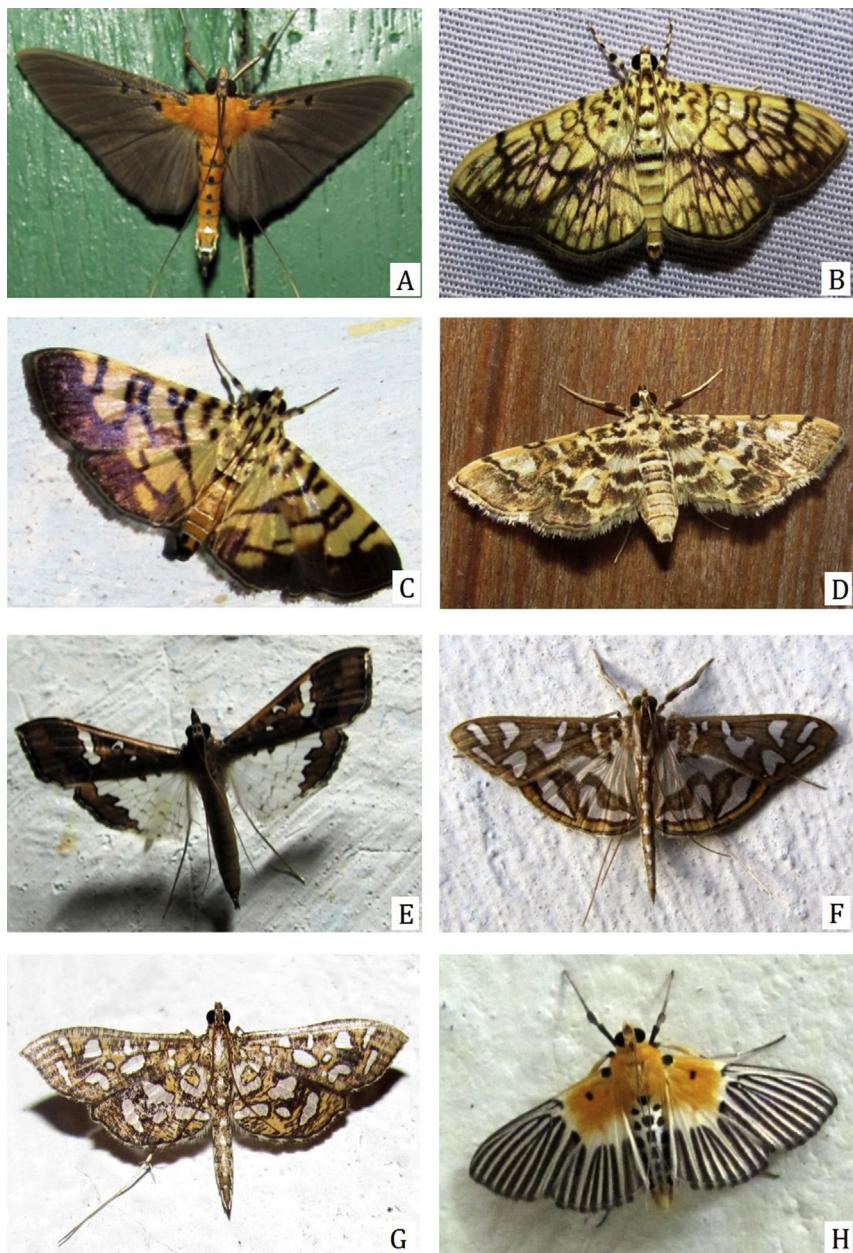


Figure 9. Adults of family Crambidae (Spilomelinae): A, *Filodes fulvidorsalis* Hübner, 1832; B, *Haritalodes derogata* (Fabricius, 1775); C, *Nacoleia chrysorycta* (Meyrick, 1884); D, *Nacoleia commixta* (Butler, 1879); E, *Maruca vitrata* (Fabricius, 1787); F, *Nausinoe pueritia* (Cramer, [1780]); G, *Nausinoe geometralis* (Guenée, 1854); H, *Nevrina procopia* (Stoll, 1781).

and M.S. Chib); 2♂, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Sarpang, Gelephu), India, China, Nepal (Yamanaka 2000).

Remarks. This species is reported for the first time from Bhutan.

Erpis macularis Walker, 1863* (Figure 4F)

Erpis macularis Walker, 1863: 133

Material examined. Bhutan 2♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang), Borneo, W. Malaysia, Java, Brunei, Sabah, Sarawak (Robinson et al 1994).

Remarks. The identity of the specimen is doubtful. Temporarily the specimen is identified as *E. macularis* and it is reported for the first time from Bhutan.

Hyalobathra miniosalis (Guenée, 1854)* (*Ebulea miniosalis*, Guenée, 1854: 362)

Material examined. Bhutan 2♂, 2♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 15 viii 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu), India, Indonesia (Java), Australia (Kendrick 2002; Robinson et al 1994).

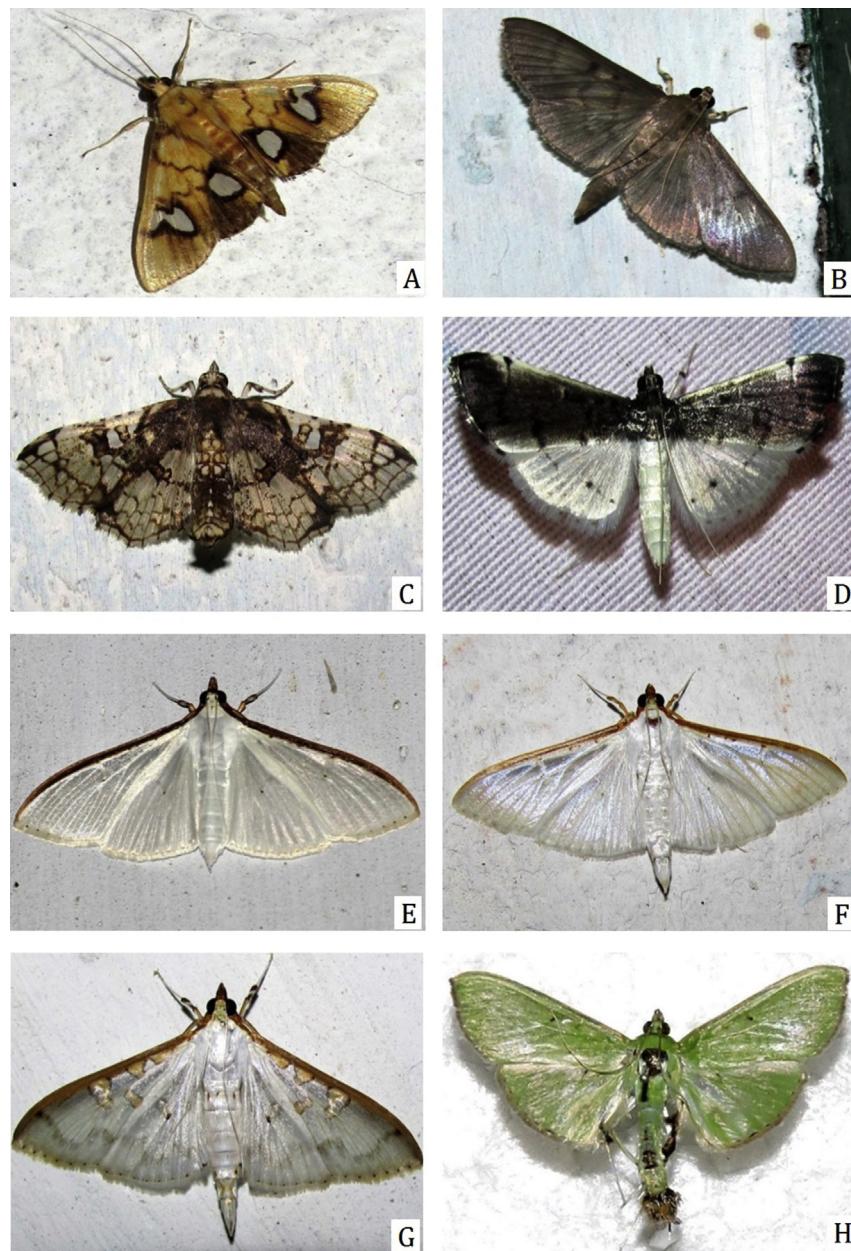


Figure 10. Adults of family Crambidae (Spilomelinae): A, *Nosophora semitritalis* (Lederer, 1863); B, *Omiodes noctescens* (Moore, 1888); C, *Omphisa anastomosalis* (Guenée, 1854); D, *Ornphophanes eucerusalis* (Walker, 1859); E, *Palpita annulifer* (Inoue, 1996); F, *Palpita asiaticalis* Inoue, 1994; G, *Palpita warrenalis* (Swinhoe, 1894a); H, *Parotis marginata*, Hampson, 1893.

Remarks. This species is reported for the first time from Bhutan.

***Neadeloides glaucoptera* (Hampson, 1896a)**
Adeloides glaucoptera Hampson, 1896a: 395

Material examined. Not available.

Distribution. Bhutan (Hampson 1896a).

Remarks. Endemic to Bhutan. The species was not found during the study.

***Pachynoa sabelialis* (Guenée, 1854)* (Figure 4H)**
Botys sabelialis Guenée, 1854: 326

Material examined. Bhutan 2♂, Mendrelgang (Tsirang), 23 viii 2014 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 12 ix

2014 (J.S. Irungbam and M.S. Chib); 1♂, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana), India, Nepal, China, Hong Kong, Malaysia, Borneo, Taiwan, Japan (Kendrick 2002; Yamanaka 2000).

Remarks. This species is reported for the first time from Bhutan.

***Pachynoa xanthochyta* (Turner, 1933)* (Figure 14D)**
Hypermeces xanthochyta Turner, 1933: 170

Material examined. Bhutan 3♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Sarpang), Asia, Australia (Queensland) (Turner 1933).

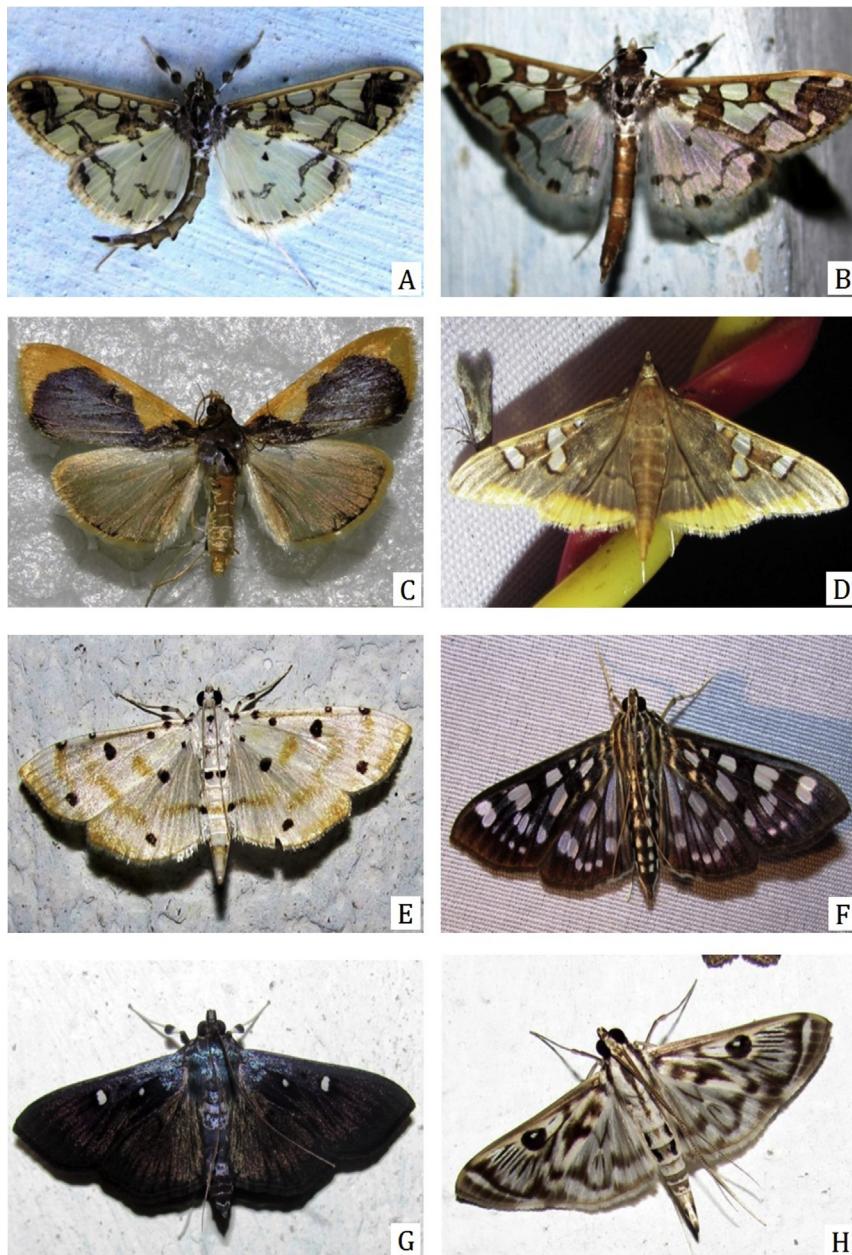


Figure 11. Adults of family Crambidae (Spilomelinae): A, *Polythlipta cerealis* Lederer, 1863; B, *Polythlipta divaricata* Moore, 1885; C, *Prooedema incisalis* (Walker, 1866a); D, *Prophantis adusta* Inoue, 1986; E, *Pycnarmon lactiferalis* (Walker, 1859); F, *Pygospila tyres* (Cramer, 1780); G, *Rhagoba octomaculalis* (Moore, 1867); H, *Rhimphalea trogusalis* (Walker, 1859).

Remarks. This species is reported for the first time from Bhutan.

Pagyda salvalis* Walker, 1859b (Figure 5A)

Pagyda salvalis Walker, 1859b: 487

Material examined. Bhutan 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagapela (Dagana), 20 iv 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Dagana, Dagapela), Nepal, India, Sri Lanka, Myanmar, Thailand, China, Japan, Philippines, Indonesia, Hong Kong, New Guinea (Wang et al 1981; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Paratalanta aureolalis* (Lederer, 1863)**

Botys aureolalis Lederer, 1863: 375, 473

Material examined. Not available.

Distribution. Bhutan, Himalayas, Andaman Island (Hampson 1896a).

Remarks. The species was not found during the study.

***Peribona venosa* (Butler, 1889)**

Heterocnephes venosa Butler, 1889: 98, pl. 135, fig. 10.

Material examined. Bhutan 1♂, Dagana, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Langthel (Trongsa), 12 ix 2013 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Dagana, Langthel), Himalayas and Java (Hampson 1898).

Remarks. This species usually attracted to light during rainy season.

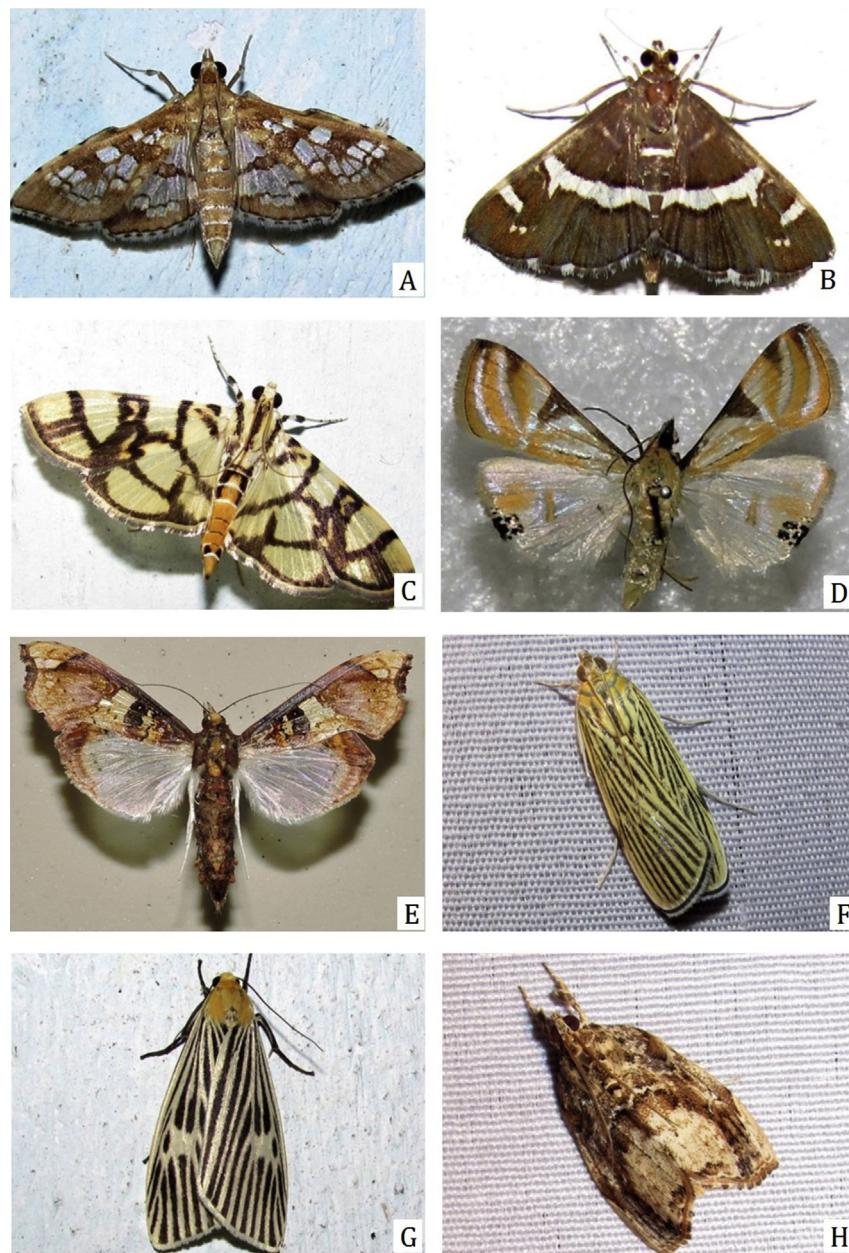


Figure 12. Adults of family Crambidae (Spilomelinae, Glaphyriinae): A, *Sameodes cancellalis* (Zeller, 1852); B, *Spoladea recurvalis* Fabricius, 1775; C, *Syllepte gastralis* (Walker, [1865]); D, *Talanga sexpunctalis* (Moore, 1877); E, *Terastia egialealis* (Walker, 1859); F, *Tysponodes linealis* (Moore, 1867); G, *Tysponodes nigrolinealis* (Moore, 1867); H, *Crocidolomia luteolalis* Hampson, 1893.

Limbobotys limbolalis (Moore, 1877)

Asopia limbolalis Moore, 1877: 615

Material examined. Not available.

Distribution. Bhutan, North East India, Myanmar, Andaman Island (Hampson 1896a).

Remarks. The species was not found during the study.

Subfamily Schoenobiinae Duponchel, 1846

Brihaspa atrostigmella sinensis Caradja, 1933

Brihaspa atrostigmella sinensis Caradja, 1933: 142

Material examined. Bhutan 1♀, Mendrelgang (Tsirang), 20 iv 2015 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam

and M.S. Chib); 2♂, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Bumthang, 20 vi 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Sarpang, Gelephu, Bumthang), India, Bangladesh, China, Myanmar, Thailand, Vietnam (Chen and Wu 2014; Nakao 2015; Robinson et al 1994).

Remarks. This species is usually attracted to light and vary common in all the study area.

Ramila angustifimbrialis (Swinhoe, 1890)

Crambostenia angustifimbrialis Swinhoe, 1890: 293

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 20 viii 2013 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 24 vi 2015 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

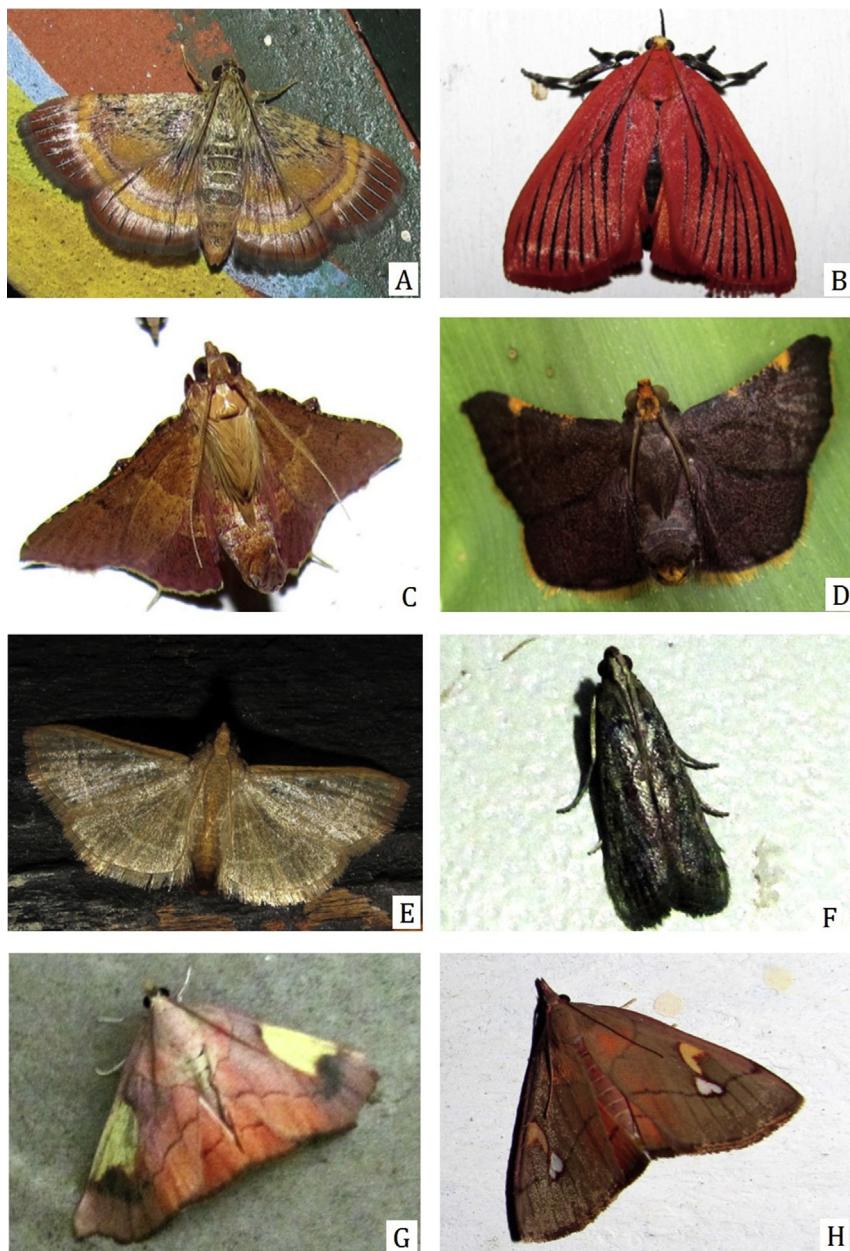


Figure 13. Adults of family Pyralidae (Epipaschiinae, Pyralinae): A, *Lista ficki* (Christoph, 1881); B, *Arctioblepsis rubida* Felder and Felder, 1862; C, *Endotricha ruminalis* (Walker, 1859); D, *Hypsopygia mauritialis* (Boisduval, 1833); E, *Hypsopygia nitidicilialis* (Hering, 1901); F, *Lamoria virescens* Hampson, 1898; G, *Orybina flaviplaga* (Walker, 1863); H, *Orybina plangonalis* (Walker, 1859).

Distribution. Bhutan (Mendrelgang, Damphu), Nepal, India, Myanmar, China (Taiwan), Thailand (Chen and Wu 2014; Nakao 2015; Robinson et al 1994; Yamanaka 1998).

Remarks. This species is usually attracted to light and very common in the study area.

***Scirpophaga excerptalis* (Walker, 1863)**

Chilo excerptalis Walker, 1863: 142

Scirpophaga monostigma Zeller, 1863: 3

Material examined. Not available.

Distribution. Bhutan, Pakistan, Nepal, India, Bangladesh, China, Taiwan, Japan, Thailand, Vietnam, Singapore, Malaysia, Java, Sumba Island, Timor, Philippines, New Guinea, New Hannover,

New Britain, New Ireland, Australia, Solomon Islands (Hampson 1896a).

Remarks. The species was not found during the study.

***Scirpophaga auristrigellus* (Hampson, 1896b)**

Schoenobia auristrigellus Hampson, 1896b: 916

Material examined. Not available.

Distribution. Bhutan, India, China (Chen and Wu 2014; Hampson 1896b).

Remarks. Not found during the study.

***Scirpophaga flavidorsalis* (Hampson, 1919)**

Topeutis flavidorsalis Hampson, 1919: 319

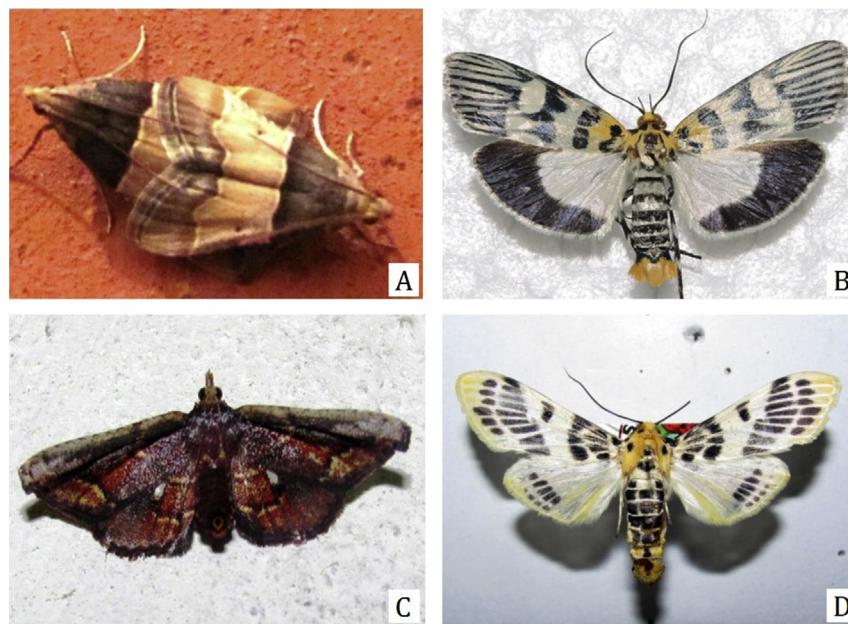


Figure 14. Adults of family Pyralidae (Pyralinae): A, *Pyralis pictalis* (Curtis, 1834); B, *Vitessa suradeva* Moore, 1860; C, *Zitha torridalis* (Lederer, 1863). Adults of family Crambidae (Pyraustinae). D, *Pachynoa xanthochyta* (Turner, 1933).

Material examined. Not available.

Distribution. Bhutan, India, Bangladesh, China, Thailand, West Malaysia, Java, Philippines, New Guinea, Australia (Chen and Wu 2014).

Remarks. The species was not found during the study.

Subfamily Spilomelinae Guénée, 1854

Glyphodes bivitralis Guénée, 1854* (Figure 5B)

Glyphodes bivitralis Guénée, 1854: 293

Material examined. Bhutan 1♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♀, Gelephu (Sarpang), 21 iii 2015 (J.S. Irungbam and M.S. Chib); 2♀, Langthel (Trongsa), 14 x 2014 (J.S. Irungbam and K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Gelephu, Langthel), Nepal, India, Sri Lanka, China, Myanmar, Thailand, W. Malaysia, Singapore, Hong Kong, Sumatra, Java, Brunei, Sabah, Sarawak, Philippines, Sulawesi, Australia, America (Chandra 1996; Kendrick 2002; Robinson et al 1994, 1995; Wang et al 1981; Yamanaka 1995).

Remarks. This species is reported for the first time from Bhutan.

Glyphodes canthusalis Walker, 1859b* (Figure 5C)

Glyphodes canthusalis Walker, 1859b: 505

Material examined. Bhutan 1♂, 2♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♀, Damphu (Tsirang), 21 iii 2015 (J.S. Irungbam and M.S. Chib); 1♂, 2♀, Gelephu (Sarpang), 10 x 2014 (J.S. Irungbam and K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Gelephu), Nepal, India, Myanmar, China, Macau, Philippines, Indonesia, Hong Kong, Australia (Caradja and Meyrick 1933; Easton and Pun 1996; Kendrick 2002; Robinson et al 1995; Wang et al 1981; Yamanaka 1995).

Remarks. This species is reported for the first time from Bhutan.

Glyphodes crithealis (Walker, 1859b)* (Figure 5D)

Desmia crithealis Walker, 1859b: 344

Material examined. Bhutan 2♂, Mendrelgang (Tsirang), 8 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Damphu (Tsirang), 21 iii 2015 (J.S. Irungbam and M.S. Chib); 1♂, Dagana, 14 iv 2014 (J.S. Irungbam); 2♂, Gelephu (Sarpang), 10 x 2014 (J.S. Irungbam and K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), Nepal, China (Yamanaka 1998).

Remarks. This species is reported for the first time from Bhutan.

Glyphodes harutai Yamanaka, 1998* (Figure 5E)

Glyphodes harutai Yamanaka, 1998: 108, pl. 142: 15

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang), Nepal (Yamanaka 1998).

Remarks. This species is reported for the first time from Bhutan and range extension of the species eastward to Bhutan from Nepal.

Glyphodes onychinalis (Guenée, 1854)* (Figure 5F)

Asopia onychinalis Guinée, 1854: 205, pl. 6, fig. 9.

Material examined. Bhutan 1♂, 2♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♀, Damphu (Tsirang), 21 iii 2015 (J.S. Irungbam and M.S. Chib); 1♂, Dagana, 14 iv 2014 (J.S. Irungbam); 2♀, Gelephu (Sarpang), 10 x 2014 (J.S. Irungbam and K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), India, Sri Lanka, Nepal, China, Japan, Korea, Myanmar, Indonesia, Hong Kong, Australia, Africa (Kendrick 2002; Liu and Shen 1992; Robinson et al 1995; Wang et al 1981; Wu 1984; Yamanaka 1995).

Remarks. This species is reported for the first time from Bhutan. Very common in the study area.

Glyphodes stolalis Guénée, 1854* (Figure 5G)

Glyphodes stolalis Guénée, 1854: 293, pl. 3, fig. 11.

Material examined. Bhutan 2♂, Mendrelgang (Tsirang), 8 ix 2014 (J.S. Irungbam and M.S. Chib); 2♀, Damphu (Tsirang), 21 iii 2015 (J.S.

Irungbam and M.S. Chib); 1♂, Dagana, 14 iv 2014 (J.S. Irungbam); 1♂, 1♀, Sarpang, 20 vii 2014 (J.S. Irungbam and M.S. Chib); 2♂, Gelephu (Sarpang), 10 x 2014 (J.S. Irungbam and K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), India, Sri Lanka, Nepal, Myanmar, Thailand, China, Japan, W. Malaysia, Sumatra, Java, Borneo, Philippines, Sulawesi, New Guinea, Australia, the Solomon Islands (Robinson et al 1994; Yamanaka 1995; Yamanaka 1998; Sterling and Kendrick 2011).

Remarks. This species is reported for the first time from Bhutan.

***Patania caletoralis* (Walker, 1859c)* (Figure 5H)**

Botys caletoralis Walker, 1859c: 651

Material examined. Bhutan 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 23 v 2015 (J.S. Irungbam and M.S. Chib); 1♀, Trongsa, 25 iii 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Trongsa, Sarpang, Gelephu), Nepal, India, South China, Taiwan, Hong Kong, New Guinea, Australia (Wang and Speidel 2000; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Aethaloessa calidalis* (Guenée, 1854)* (Figure 6A)**

Glypodes calidalis Guenée, 1854: 294

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 23 v 2015 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), Nepal, India, Sri Lanka, Myanmar, China, Indonesia, Hong Kong, Africa (Cameroon) (Yamanaka 1994; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Agathodes ostentalis* (Geyer, 1833)* (Figure 6B)**

Perinephela ostentalis Geyer, 1833: 11, pl. 143, figs. 833, 834.

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 18 v 2015 (J.S. Irungbam and K. Wangdi); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), Nepal, India, Sri Lanka, Myanmar, China, Indonesia, Hong Kong (Caradja and Meyrick 1933; Wang et al 1981; Robinson et al 1995; Yamanaka 2000; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Agrioglypta naralis* (Felder and Rogenhofer 1875)**

Glypodes naralis Felder and Rogenhofer, 1875: 292–293, pl. 136, fig. 38.

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana), Nepal, India, W. Malaysia, Sumatra, Java, Brunei, Sarawak, Philippines (Robinson et al 1994).

Remarks. This species is very common in Bhutan.

***Agrioglypta zelimalis* (Walker, 1859b)* (Figure 6C)**

Glypodes zelimalis Walker, 1859b: 502

Material examined. Bhutan 2♂, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Damphu (Tsirang), 24 vi 2015 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 23 v 2015 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), India, Sri Lanka, Vietnam, China, Indonesia, Hong Kong, Australia (Wang et al 1981; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

Agrotera basinotata* Hampson, 1891 (Figure 6D)

Agrotera basinotata Hampson, 1891: 39, 137, pl. 155, fig. 13.

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu), India, Sri Lanka, Myanmar, Thailand, Hong Kong, Japan (Hampson 1896a; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan. Common in woodland and one record from beach shrubland.

***Agrotera discinotata* Swinhoe, 1894a**

Agrotera discinotata Swinhoe, 1894a: 207–208

Material examined. Not available.

Distribution. Bhutan, North East India (Hampson 1896a).

Remarks. The species was not found during the study.

***Arthroschista hilaralis* (Walker, 1859c)* (Figure 6E)**

Margaronia hilaralis Walker, 1859c: 532

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu), India, Sri Lanka, Myanmar, Cambodia, Sumatra, Borneo, Australia (Walker 1859; Robinson et al 1994; Savela 2016).

Remarks. This species is reported for the first time from Bhutan.

***Bocchoris inspersalis* (Zeller, 1852)**

Botys inspersalis Zeller, 1852: 33

Material examined. Not available.

Distribution. Bhutan, Africa, India, Sri Lanka, Myanmar, China, Japan, Indonesia, Hong Kong (Hampson 1896a; Wang et al 1981; Liu and Shen 1992; Kendrick 2002).

Remarks. The species was not found during the study.

Botyodes asialis* Guenée, 1854 (Figure 6F)

Botyodes asialis Guenée, 1854: 321

Material examined. Bhutan 1♂, 3♀, Mendrelgang (Tsirang), 20 iv 2014 (J.S. Irungbam and M.S. Chib); 2♂, 1♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, 2♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 3♀, Bumthang, 21 ix 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Bumthang), Nepal, India, Sri Lanka, China, Thailand, Hong Kong, Singapore, Sarawak, Philippines, New Guinea, Australia, Africa

(Caradja and Meyrick 1933; Wang et al 1981; Robinson et al 1994; Nielsen et al 1996; Yamanaka 2000; Kendrick 2002).

Remarks. It is a very common species and is abundant. This species is reported for the first time from Bhutan.

Botyodes caldusalis* Walker, 1859c (Figure 6G)

Botyodes caldusalis Walker, 1859c: 650

Material examined. Bhutan 4♂, 1♀, Mendrelgang (Tsirang), 15 x 2014 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 20 x 2014 (J.S. Irungbam and M.S. Chib); 2♂, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Dagana), Nepal, India, China, Hong Kong (Caradja and Meyrick 1933; Robinson et al 1995; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

Botyodes crocopteralis* Hampson, 1899 (Figure 6H)

Botyodes crocopteralis Hampson, 1899: 710

Material examined. Bhutan 2♂, 1♀, Damphu (Tsirang), 20 x 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 18 ix 2015 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Damphu, Dagana, Sarpang), Nepal, North East India, Myanmar, Thailand. (Yamanaka 1995; Yamanaka 2000).

Remarks. This species is reported for the first time from Bhutan.

Uncobotyodes patulalis* (Walker, 1866a) (Figure 7A)

Botys patulalis Walker, 1866a: 119

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 23 viii 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Dagana, Sarpang, Gelephu), China, Hong Kong (Caradja and Meyrick 1933; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

Endocrosis flavidasalis* (Moore, 1867) (Figure 7B)

Botyodes flavidasalis Moore, 1867: 96

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 23 viii 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), Nepal; India (Sikkim), Nicobar Is, China, Sumatra, Hong Kong, New Guinea (Caradja and Meyrick 1933; Chandra 1996; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

Bradina diagonalis* Guenée, 1852 (Figure 7C)

Salbia diagonalis Guenée, 1852: 201

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 23 viii 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib); 2♂, Bumthang, 23 iv 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu, Bumthang), India, Taiwan, Myanmar, W. Malaysia, Sumatra, Java, Sabah (Robinson et al 1995).

Remarks. This species is reported for the first time from Bhutan.

***Bradina subpurpureascens* (Warren, 1896a)**

Pleonectusa subpurpureascens Warren, 1896a: 147–148

Material examined. Not available.

Distribution. Bhutan, North East India (Hampson 1896a).

Remarks. The species was not found during the study.

Cirrhochrista brizoalis* (Walker, 1859d) (Figure 7D)

Margaronia brizoalis Walker, 1859d: 1001

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Bumthang, 18 v 2015 (K. Wangdi); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Bumthang, Dagana, Gelephu), Nepal, India, Nicobar Island, China, Japan, Borneo, Hong Kong, Macau, Sulawesi, Australia (Caradja and Meyrick 1933; Wang et al 1981; Chandra 1996; Easton and Pun 1996; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

Cirrhochrista fumipalpis* Felder and Rogenhofer, 1875 (Figure 7E)

Cirrhochrista fumipalpis Felder and Rogenhofer, 1875: pl. 135, fig. 31.

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang), Nepal, Andaman and Nicobar Island, Nepal, China, Japan, Philippines, Hong Kong (Wang et al 1981; Robinson et al 1995; Chandra 1996; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

Cirrhochrista fuscusa* Chen et al, 2006a (Figure 7F)

Cirrhochrista fuscusa Chen et al, 2006a: 101–102, figs 3, 13.

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang), China, Taiwan (Chen et al 2006a).

Remarks. This species is reported for the first time from Bhutan.

***Cirrhochrista semibrunnea* Hampson, 1896a**

Cirrhochrista semibrunnea Hampson, 1896a: 918

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 15 v 2015 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Gelephu) (Hampson 1896a).

Remarks. Occasionally found during the study.

Cnaphalocrosis medicinalis* (Guenée, 1854) (Figure 7G)

Salbia medicinalis Guenée, 1854: 201

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagapela (Dagana), 18 v 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Dagapela, Gelephu), Nepal, Andaman and Nicobar Island, China, Macau, Japan, Korea, Hong Kong (Wu 1984; Liang et al 1989; Robinson et al 1994; Robinson et al 1995; Chandra 1996; Easton and Pun 1996; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan. Widely distributed throughout India. It is an important defoliating insect of rice crops in Asia. It occurs on *Oryza sativa* as a sporadic pest.

***Conogethes haemactalis* Snellen, 1890**

Conogethes haemactalis Snellen, 1890: 592

Material examined. Not available.

Distribution. Bhutan, North East India, Borneo, Sumbawa, Australia (Hampson 1896a).

Remarks. The species was not found during the study.

***Conogethes punctiferalis* (Guenée, 1854)* (Figure 7H)**

Astura punctiferalis Guenée, 1854: 320

Material examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 2♂, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), Pakistan, Nepal, India, China, Japan, Korea, Hong Kong, Australia (Wang et al 1981; Wu 1984; Liang et al 1989; Liu and Shen 1992; Robinson et al 1995; Nielsen et al 1996; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Cotachena nepalensis* Yamanaka, 2000* (Figure 8A)**

Cotachena nepalensis Yamanaka, 2000: 64, pl. 163

Materials examined. Bhutan 1♂, Mendrelgang (Tsirang), 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Damphu (Tsirang), 24 vi 2015 (J.S. Irungbam and M.S. Chib); 2♂, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♂, Sarpang, 15 vii 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang), Nepal (Yamanaka 2000).

Remarks. This species is reported for the first time from Bhutan and a new distribution for the species eastward to Nepal.

***Cotachena pubescens* (Warren, 1892)* (Figure 8B)**

Archernis pubescens Warren, 1892: 300

Materials examined. Bhutan 1♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Gelephu (Sarpang), 20 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Dagana, Gelephu), Nepal, Taiwan, China, Indonesia (Yamanaka 1995).

Remarks. This species is reported for the first time from Bhutan.

***Cydalima conchylalis* (Guenée, 1854)* (Figure 8C)**

Margarodes conchylalis Guenée, 1854: 303, pl. 8, fig. 9.

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 2♂, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), India, Sri Lanka, China, Myanmar, Andaman Island, Thailand, West Malaysia, Sumatra, Java, Sabah, Sarawak, Sulawesi, Moluccas, New Guinea, Australia, Samoa, New Hebrides (Robinson et al 1994; Robinson et al 1995).

Remarks. This species is reported for the first time from Bhutan.

***Diaphnia indica* Saunders, 1851* (Figure 8D)**

Eudiopites indica Saunders, 1851: 163

Materials examined. Bhutan 2♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 3♂, 1♀, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Trongsa, 12 iii 2014 (K. Wangdi); 2♀, Bumthang, 12 x 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu, Trongsa, Bumthang), Nepal, Andaman and Nicobar Island, China, Macau, Japan, Korea, Hong Kong, Central America, Africa, Madagascar, Arabia, (Wang et al 1981; Wu 1984; Liang et al 1989; Liu and Shen 1992; Robinson et al 1995; Easton and Pun 1996; Chandra 1996; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan. It is occasionally a significant pest of cucurbits and some other plants.

***Dichocrocius bistrigalis* (Walker, 1866a)**

Zebronia bistrigalis Walker, 1866a: 1348

Materials examined. Not available.

Distribution. Bhutan, India (Hampson 1896a).

Remarks. The species was not found during the study.

***Dichocrocius definita* (Butler, 1889)* (Figure 8E)**

Haritala definita Butler, 1889: 97, pl. 133, fig. 9.

Materials examined. Bhutan 2♂, Damphu (Tsirang), 20 vii 2014 (J.S. Irungbam and M.S. Chib); 2♂, Sarpang, 15 v 2015 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Damphu, Sarpang), Nepal, India (Robinson et al 1995; Yamanaka 2000).

Remarks. This species is reported for the first time from Bhutan.

***Dichocrocius evaxalis* (Walker, 1859d)**

Botys evaxalis Walker, 1859d: 995

Materials examined. Not available.

Distribution. Bhutan, North East India, Sri Lanka, Sumatra, Java (Hampson 1896a).

Remarks. The species was not found during the study.

***Dichocrocius zebraialis* (Moore, 1867)* (Figure 8F)**

Pycnarmon zebraialis Moore, 1867: 91, pl. 7, fig. 12.

Materials examined. Bhutan 2♂, 2♀, Mendrelgang (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Gelephu (Sarpang), 20 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Sarpang), Nepal, China, Hong Kong (Caradja and Meyrick 1933; Yamanaka 2000; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Dichocrocius rigidalis* (Snellen, 1890)* (Figure 8G)**

Zebronia rigidalis Snellen, 1890: 631

Materials examined. Bhutan 1♂, 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 1♂, Damphu (Tsirang), 18 v 2014 (J.S. Irungbam and M.S. Chib); 1♂, 2♀, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Dagapela, Gelephu), Nepal (Yamanaka 1998).

Remarks. This species is reported for the first time from Bhutan.

***Orthospila orissusalis* (Walker, 1859c)* (Figure 8H)**

Botys orissusalis Walker, 1859c: 701

Materials examined. Bhutan 2♂, Damphu (Tsirang), 18 v 2014 (J.S. Irungbam and M.S. Chib); 2♂, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♂, Sarpang, 20 ix 2013 (J.S. Irungbam and M.S. Chib); 2♂, Gelephu (Sarpang), 20 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Damphu, Dagana, Sarpang, Gelephu), India, Sri Lanka, China, Indonesia, Hong Kong (Caradja and Meyrick 1933; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Dolicharthria paediusalis* (Walker, 1859c)**

Scopula paediusalis Walker, 1859c: 788–789

Materials examined. Not available.

Distribution. Bhutan, Congo, South Africa, Yemen (Hampson 1896a).

Remarks. The species was not found during the study.

***Filodes fulvidorsalis* Hübner, 1832* (Figure 9A)**

Pinacia fulvidorsalis Hübner, 1832: 643–644, fig. 15.

Materials examined. Bhutan 2♂, Mendrelgang (Tsirang), 10 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Damphu (Tsirang), 18 v 2014 (J.S. Irungbam and M.S. Chib); 1♂, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 2♀, Gelephu (Sarpang), 20 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), India, Sri Lanka, Sikkim, Vietnam, China, Indonesia, Hong Kong (Caradja and Meyrick 1933; Wang et al 1981; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Haritalodes derogata* (Fabricius, 1775)* (Figure 9B)**

Phalaena derogata Fabricius, 1775: 641

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 2♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), Nepal, India, Sri Lanka, Myanmar, Andaman Island, China, West Malaysia, Singapore, Hong Kong, Bali, New Guinea, Japan, Australia, Solomon Island, Samoa, Fiji; West Africa (Caradja and Meyrick 1933; Wang et al 1981; Liu and Shen 1992; Robinson et al 1994; Chandra 1996; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan and is very common in the study area.

***Nacoleia chrysorycta* (Meyrick, 1884)* (Figure 9C)**

Semioceros chrysorycta Meyrick, 1884: 320

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 vi 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 vi 2013 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 vi 2014 (J.S.

Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 vii 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), India, Sri Lanka, Myanmar, Japan, Korea, China, Taiwan, Australia (Kim et al 2014).

Remarks. This species is reported for the first time from Bhutan. Adults fly from June to July (Kim et al 2014).

***Nacoleia commixta* (Butler, 1879)* (Figure 9D)**

Samea commixta Butler, 1879: 453

Materials examined. Bhutan 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Bumthang, 18 v 2015 (K. Wangdi); 1♂, Langthel (Trongsa), 23 viii 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Damphu, Bumthang, Langthel), Nepal, India, Sri Lanka, China, Korea, Japan, Taiwan, Cambodia, Vietnam, Hong Kong (Caradja and Meyrick 1933; Wang et al 1981; Wu 1984; Yamanaka 1998; Kendrick 2002, Kim et al 2014).

Remarks. This species is reported for the first time from Bhutan. Adults appear from May to August (Kim et al 2014).

***Maruca testulalis* (Hübner, 1832)**

Crochiphora testulalis Geyer in Hübner, 1832: 12, pl. 109, figs. 629–630.

Materials examined. Not available.

Distribution. Bhutan, throughout Indo-Australian, Africa, Oriental, Neotropical regions (Robinson et al 1994).

Remarks. The species was not found during the study.

***Maruca vitrata* (Fabricius, 1787)* (Figure 9E)**

Phalaena vitrata Fabricius, 1787: 215

Materials examined. Bhutan 4♂, 3♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 1♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 2♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Sarpang, 30 ix 2014 (J.S. Irungbam and K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), Pantropical, Nicobar Island, Nepal, China, Macau, Japan, Australia, Hong Kong (Liu and Shen 1992; Robinson et al 1994; Chandra 1996; Nielsen et al 1996; Easton and Pun 1996; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Massepha absolutalis* Walker, 1859b**

Massepha absolutalis Walker, 1859b: 489

Materials examined. Not available.

Distribution. Bhutan, India, Sri Lanka (Hampson 1896a).

Remarks. The species was not found during the study.

***Mimudea phoenicistis* (Hampson, 1896a)**

Pionea phoenicistis Hampson, 1896a: 428

Materials examined. Not available.

Distribution. Bhutan, India, Myanmar, and Thailand (Hampson 1896a).

Remarks. The species was not found during the study.

***Nausinoe pueritia* (Cramer, 1780)* (Figure 9F)**

Phalaena pueritia Cramer (1780): 128, pl. 264, fig. F (not E!).

Materials examined. Bhutan 1♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 23 v 2015 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), Nepal, India, Sri Lanka, Andaman Island, West Malaysia, Hong Kong, Java, Kepulauan Kai, New Guinea, Australia (Robinson et al 1994; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Nausinoe geometralis* (Guenée, 1854)* (Figure 9G)**

Lepyrodes geometralis Guenée, 1854: 278, pl. 8, fig. 6.

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang), India, Nepal, Sri Lanka, China, Indonesia, Philippines, Hong Kong, Africa, Australia (Robinson et al, 1995; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Nevrina procopia* (Stoll in Cramer and Stoll, 1781)* (Figure 9H)**

Phalaena procopia Stoll in Cramer and Stoll, 1781: 152, pl. 368, fig. E.

Materials examined. <Bhutan> 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Dagana, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Dagana, Gelephu), Nepal, India, Sri Lanka, W. Malaysia, Singapore, Sumatra, Java, Bali, Brunei, Sabah, Sarawak, Philippines, Sulawesi, Ambon, New Guinea, Louisiade Archipelago (Robinson et al 1994; Yamanaka 2000).

Remarks. This species is reported for the first time from Bhutan.

***Niphopyralis albida* Hampson, 1893**

Niphopyralis albida Hampson, 1893: 52, 181, pl. 174, fig. 25.

Materials examined. Not available.

Distribution. Bhutan, India, Sri Lanka, Borneo, Hong Kong (Hampson 1896a; Kendrick 2002).

Remarks. The species was not found during the study.

***Nosophora glyphodalis* (Walker, 1866a)**

Analtes [sic] glyphodalis Walker, 1866a: 1488

Materials examined. Not available.

Distribution. Bhutan, Sri Lanka, Myanmar, Indonesia (Hampson 1896a).

Remarks. The species was not found during the study.

***Nosophora semitritalis* (Lederer, 1863)* (Figure 10A)**

Analthes semitritalis Lederer, 1863: 407, pl. 14, fig. 14.

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Dagana, Gelephu), Nepal, India, Myanmar, China, Japan, Indonesia, Philippines, Hong Kong (Wang et al 1981; Wu 1984; Liu and Shen 1992; Robinson et al 1995; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Omiodes noctescens* (Moore, 1888)* (Figure 10B)**

Charema noctescens Moore, 1888: 218

Materials examined. Bhutan 3♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Dagana, 16 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana), Nepal, India, Japan, Korea, Taiwan, China (Yamanaka 2000).

Remarks. This species is reported for the first time from Bhutan.

***Omphisa anastomosalis* (Guenée, 1854)* (Figure 10C)**

Pionea anastomosalis Guenée, 1854: 373–374

Materials examined. Bhutan 3♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Dagana, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Gelephu (Sarpang), 20 vi 2015 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), India, Sri Lanka, Myanmar, China, Indonesia, Hong Kong, Philippines, Australia, Hawaii Island, Africa, Americas (Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Orhnophanes eucerusalis* (Walker, 1859d)* (Figure 10D)**

Botys eucerusalis Walker, 1859d: 1002

Materials examined. Bhutan 3♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang), India, Indonesia, Australia.

Remarks. This species is reported for the first time from Bhutan.

***Palpita annulifer* (Inoue, 1996)* (Figure 10E)**

Palpita annulata Kirti and Rose, 1992: 69, figs. 12–15, nec Fabricius.

Materials examined. Bhutan 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 2♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), North East Nepal, India, Thailand, Vietnam, Sumatra, Borneo, Java, Sulawesi, Philippines, Hong Kong, Japan, China (Inoue 1996; Caradja and Meyrick 1933; Kendrick 2002).

Remarks. The species *P. annulifer* is a new record for Bhutan.

***Palpita asiaticalis* Inoue, 1994* (Figure 10F)**

Palpita asiaticalis Inoue, 1994: 98, figs. 3, 4, 11, 12, 14.

Materials examined. Bhutan 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Sarpang), Nepal, India, Thailand, Vietnam, China, Hong Kong (Inoue 1997; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Palpita warrenalis* (Swinhoe, 1894b)* (Figure 10G)**

Margaronia warrenalis Swinhoe, 1894b: 148

Materials examined. Bhutan 2♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Damphu, Sarpang), India, Nepal, China, Vietnam, Sumatra, Hong Kong, Borneo (Inoue 1997; Robinson et al 1995; Nielsen et al 1996; Yamanaka 1998; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Parotis marginata* (Hampson, 1893)* (Figure 10H)**

Cenocnemis marginata Hampson, 1893: 169, pl. 173, fig. 23

Materials examined. Bhutan 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 20 v 2014 (J.S. Irungbam and M.S. Chib); 1♀, Gelephu (Sarpang), 14 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), India, Bangladesh, Sri Lanka, China, Fiji, Japan, Australia (Savela 2016).

Remarks. This species is reported for the first time from Bhutan.

***Pleuroptya quadrimaculalis* Kollar, 1844**

Scopula quadrimaculalis Kollar, 1844: 492

Sylepta quadrimaculalis Lederer, 1863: pl. 16, fig. 12

Pleuroptya quadrimaculalis Inoue, 1982 1: 343, 2: 234, 454

Materials examined. None available.

Distribution. Bhutan, Nepal, India, China, Korea, Japan, Far-East Russia, Taiwan, Borneo, Congo.

Remarks. The species was not found during the study.

***Poliobotys ablactalis* (Walker, 1859c)**

Botys ablactalis Walker, 1859c: 660

Materials examined. Not available.

Distribution. Bhutan, India, Andaman Island (Hampson 1896).

Remarks. The species was not found during the study.

***Polythlipta cerealis* Lederer, 1863* (Figure 11A)**

Polythlipta cerealis Lederer, 1863: 477

Materials examined. Bhutan 2♂, 1♀, Mendrelgang (Tsirang), 14 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 14 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 2♂, Sarpang, 21 iii 2015 (J.S. Irungbam and M.S. Chib); 2♀, Gelephu (Sarpang), 14 x 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), Nepal, Thailand, Peninsular Malaysia, Borneo (Yamanaka 1998).

Remarks. This species is reported for the first time from Bhutan.

***Polythlipta divaricata* Moore, 1885* (Figure 11B)**

Polythlipta divaricata Moore, 1885: 311, pl. 179, fig. 16.

Materials examined. Bhutan 1♀, Mendrelgang (Tsirang), 14 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 14.viii.2014 (J.S. Irungbam and M.S. Chib); 2♂, Dagana, 15 iii 2014 (J.S. Irungbam and M.S. Chib); 2♂, Gelephu (Sarpang), 14 x 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), Sri Lanka, China, Taiwan, Papua New Guinea (Robinson et al 1994).

Remarks. This species is reported for the first time from Bhutan.

***Polythlipta ossealis* Lederer, 1863**

Polythlipta ossealis Lederer, 1863: 389, 477 (as *osseatalis*), pl. 12, fig. 18

Materials examined. Bhutan 2♂, Bumthang, 14 x 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Bumthang), North East India, Sumatra, Indonesia (Hampson 1896a; Robinson et al 1994).

Remarks. The species was not found during the study.

***Prooedema inscisalis* (Walker, 1866a)* (Figure 11C)**

Botys inscisalis Walker, 1866a: 1410

Materials examined. Bhutan 2♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), Nepal, India, Sri Lanka, Myanmar, China, Thailand, Brunei, Borneo, Hong Kong, Sarawak, Philippines, Sulawesi, New Guinea, Australia, Solomon Islands (Caradja and Meyrick 1933; Wang et al 1981; Robinson et al 1994; Chandra 1996; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Prophantis adusta* Inoue, 1986* (Figure 11D)**

Prophantis adusta Inoue, 1986: 157

Materials examined. Bhutan 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), China, Hong Kong (Caradja and Meyrick 1933; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

***Pycnarmon abraxalis* (Walker, 1866a)**

Zebronia abraxalis Walker, 1866a: 1349–1350

Materials examined. Bhutan 2♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Damphu, Sarpang, Gelephu), India, Myanmar, Thailand (Hampson 1896a).

Remarks. A very common species.

***Pycnarmon cibrata* (Fabricius 1794)**

Phalaena cibrata Fabricius, 1794: 215

Materials examined. Not available.

Distribution. Bhutan, Nepal, China, Hong Kong, Australia (Liu and Shen 1992; Robinson et al 1995; Yamanaka 2000, Kendrick 2002).

Remarks. The species was not found during the study.

***Pycnarmon jaguaralis* (Guenée, 1854)**

Spilomela jaguaralis Guenée, 1854: 283

Materials examined. Not available.

Distribution. Bhutan (Damphu), India, Nepal, Malaysia, Indonesia, the Solomon Islands, Australia, Papua New Guinea (Caradja and Meyrick 1933).

Remarks. The species was not found during the study.

***Pycnarmon virgatalis* Moore, 1867**

Pycnarmon virgatalis Moore, 1867: 92, pl. 7, fig. 9

Materials examined. Not available.

Distribution. Bhutan, India, Sri Lanka ([Hampson 1896a](#)).

Remarks. The species was not found during the study.

Pycnarmon lactiferalis (Walker, 1859b)* (Figure 11E)

Zebronia lactiferalis Walker, 1859b: 480

Materials examined. Bhutan 2♂, 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♂, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Dagana), India, Nepal, China, Japan, Taiwan, Russia Far East ([Caradja and Meyrick 1933](#)).

Remarks. This species is reported for the first time from Bhutan.

Pygospila tyres (Cramer, 1780)* (Figure 11F)

Phalaena tyres Cramer (1780): pl. 263, fig. C

Materials examined. Bhutan 2♂, 1♀, Mendrelgang (Tsirang), 14 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 2♂, Sarpang, 21 iii 2015 (J.S. Irungbam and M.S. Chib); 2♀, Gelephu (Sarpang), 14 x 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Dagana, Sarpang, Gelephu), Nepal, India, Sri Lanka, Myanmar, China, Japan, Hong Kong, Java, Sabah, Sumbawa, New Guinea, West Africa ([Robinson et al 1995; Yamanaka 1998; Kendrick 2002](#)).

Remarks. This species is reported for the first time from Bhutan.

Rhagoba octomaculalis (Moore, 1867)* (Figure 11G)

Filodes octomaculalis Moore, 1867: 95

Materials examined. Bhutan 2♂, 1♀, Mendrelgang (Tsirang), 14 ix 2014 (J.S. Irungbam and M.S. Chib); 2♀, Gelephu (Sarpang), 14 x 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Gelephu), Nepal, North East India ([Yamanaka 2000](#)).

Remarks. This species is reported for the first time from Bhutan.

Rhimphalea trogusalis (Walker, 1859c)* (Figure 11H)

Botys trogusalis Walker, 1859c: 711

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 1♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 2♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 3♂, Gelephu (Sarpang), 21 ix 2014 (K. Wangdi); 2♂, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu), Nepal, West Malaysia, Sumatra, Borneo, Java ([Yamanaka 1998](#)).

Remarks. This species is reported for the first time from Bhutan.

Sameodes cancellalis (Zeller, 1852)* (Figure 12A)

Botys cancellalis Zeller, 1852: 34

Materials examined. Bhutan 2♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Trongsa, 20 ix 2014 (K. Wangdi); 2♂, Langthel (Trongsa), 21 ix 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Damphu, Sarpang, Trongsa, Langthel), Nepal, India, Sri Lanka, Taiwan, Andaman Island, Thailand, Hong Kong, Macau, W. Malaysia, Singapore, Philippines, New Guinea, Australia, Fiji, West and South Africa ([Easton and Pun 1996; Yamanaka 1998](#)).

Remarks. This species is reported for the first time from Bhutan.

Spoladea recurvalis (Fabricius, 1775)* (Figure 12B)

Phalaena recurvalis Fabricius, 1775: 644

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 23 v 2015 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib); 2♂, Trongsa, 18 vii 2014 (K. Wangdi); 1♂, Bumthang, 30 viii 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Sarpang, Gelephu, Trongsa, Bumthang), India, Nicobar Is., Nepal, China, Macau, Hong Kong, Australia, Western Pacific, Central Pacific, Americas, Old World tropics, Eastern Palaearctic, the Caribbean ([Easton and Pun 1996; Yamanaka 2000](#)).

Remarks. This species is reported for the first time from Bhutan. It is cosmopolitan in distribution throughout the world. It occurs on *Amaranthus viridis*, *Trianthema monogyna*, *Glycine max*, and *Beta vulgaris* as leaf-roller and defoliator.

Syllepte gastralis (Walker, 1865)* (Figure 12C)

Glyphodes gastralis Walker (1865): 1356

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib); 1♂, Langthel (Trongsa), 20 ix 2013 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Langthel), Nepal ([Yamanaka 2000](#)).

Remarks. This species is reported for the first time from Bhutan.

Syllepte paucistrialis (Warren, 1896b)

Cyclarcha paucistrialis Warren, 1896b: 139

Materials examined. Not available.

Distribution. Bhutan, North East India ([Hampson 1896a](#)).

Remarks. The species was not found during the study.

Talanga sexpunctalis (Moore, 1877)* (Figure 12D)

Oligostigma sexpunctalis Moore, 1877: 616, pl. 60, fig. 12.

Materials examined. Bhutan 1♀, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 2♂, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 2♂, Gelephu (Sarpang), 21 iii 2015 (J.S. Irungbam and M.S. Chib); 2♀, Langthel (Trongsa), 14 x 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Gelephu, Langthel), Nepal, India, Myanmar, Andaman Island, China, Taiwan, W. Malaysia, Sumatra, Borneo, Hong Kong, Java, Sabah, Sarawak, Kalimantan, Philippines, Sulawesi ([Caradja and Meyrick 1933; Wang et al 1981; Robinson et al 1995; Yamanaka 1998; Kendrick 2002](#)).

Remarks. This species is reported for the first time from Bhutan.

Terastia egialealis (Walker, 1859b)* (Figure 12E)

Megaphysa egialealis Walker, 1859b: 383

Materials examined. Bhutan 1♂, Mendrelgang (Tsirang), 31 x 2013 (J.S. Irungbam and M.S. Chib); 1♀, Damphu (Tsirang), 12 ix 2014 (J.S. Irungbam and M.S. Chib); 2♀, Sarpang, 16 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, Dagana, 20 ix 2014 (J.S. Irungbam and M.S. Chib).

M.S. Chib); 2♀, Gelephu (Sarpang), 21 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu, Dagana, Gelephu), Nepal, India, China, Thailand, W. Malaysia, Singapore, Sumatra, Java, Sabah, Sulawesi ([Yamanaka 2000](#)).

Remarks. This species is reported for the first time from Bhutan.

***Tyspanodes linealis* (Moore, 1867)* (Figure 12F)**

Propachys linealis Moore, 1867: 665, pl. 33, fig. 17

Materials examined. Bhutan 1♂, Damphu (Tsrang), 24 vi 2015 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 23 v 2015 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Damphu, Dagana, Sarpang), Nepal, China, Hong Kong ([Caradja and Meyrick 1933](#); [Robinson et al 1995](#); [Yamanaka 1998](#); [Kendrick 2002](#)).

Remarks. This species is reported for the first time from Bhutan.

***Tyspanodes nigrolinealis* (Moore, 1867)* (Figure 12G)**

Filodes nigrolinealis Moore, 1867: 95

Materials examined. Bhutan 2♀, Mendrelgang (Tsrang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 2♀, Sarpang, 23 iii 2014 (J.S. Irungbam and M.S. Chib); 1♂, Gelephu (Sarpang), 20 iv 2015 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Sarpang, Gelephu), India, Nepal, Cambodia ([Yamanaka 1995](#)).

Remarks. This species is reported for the first time from Bhutan.

***Udea nigrostigmatis* Warren, 1896a**

Udea nigrostigmatis Warren, 1896a: 96–97

Materials examined. Not available.

Distribution. Bhutan, India ([Hampson 1896a](#)).

Remarks. The species was not found during the study.

Subfamily Glaphyriinae Forbes, 1923

***Crocidolomia luteolalis* Hampson, 1893* (Figure 12H)**

Crocidolomia luteolalis Hampson, 1893

Materials examined. Bhutan 1♂, Damphu (Tsrang), 24 vi 2015 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 23 v 2015 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Damphu, Dagana, Sarpang), Sri Lanka ([Savela 2016](#)).

Remarks. This species is reported for the first time from Bhutan.

Family Pyralidae Latreille, 1809

Subfamily Epipaschiinae Meyrick, 1884

Listra ficki* (Christoph, 1881)

Craneophora ficki Christoph, 1881: 2

Materials examined. Bhutan 1♂, Mendrelgang (Tsrang), 10 vii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 15 viii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 23.vii.2015 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Dagana), Nepal, Japan, Taiwan ([Yamanaka 2000](#)).

Remarks. This species is reported for the first time from Bhutan.

***Coenodomus dudgeoni* Hampson, 1896a**

Coenodomus dudgeoni Hampson, 1896a: 366–394

Materials examined. None.

Distribution. Bhutan ([Hampson 1896a](#)).

Remarks. Endemic to Bhutan. The species was not found during the study.

***Lamida moncusalis* Walker, 1859a**

Lamida moncusalis Walker, 1859a: 252

Materials examined. None

Distribution. Bhutan, North East India ([Hampson 1896a](#)).

Remarks. The species was not found during the study.

***Lepidogma rufescens* Hampson, 1896a**

Lepidogma rufescens Hampson, 1896a: 366–394

Materials examined. Not available.

Distribution. Bhutan ([Hampson 1896a](#)).

Remarks. Endemic to Bhutan. The species was not found during the study.

***Locasta pachylepidalis* Hampson, 1895**

Locasta pachylepidalis Hampson, 1895: 366–394

Materials examined. Not available.

Distribution. Bhutan ([Hampson 1896a](#)).

Remarks. Endemic to Bhutan. The species was not found during the study.

***Noctuides euryptera* (Meyrick, 1894)**

Balanotis euryptera Meyrick, 1894: 476

Materials examined. Not available.

Distribution. Bhutan, Sri Lanka, Sumbawa, Japan ([Hampson 1896a](#)).

Remarks. The species was not found during the study.

***Orthaga auroviridalis* Hampson, 1896a**

Orthaga auroviridalis Hampson, 1896a: 366–394

Materials examined. Not available.

Distribution. Bhutan, India ([Hampson 1896a](#)).

Remarks. The species was not found during the study.

***Orthaga onerata* Butler, 1879**

Orthaga onerata Butler, 1879: 366–394

Materials examined. Not available.

Distribution. Bhutan, Japan, Java ([Hampson 1896a](#)).

Remarks. The species was not found during the study.

***Stericta asopialis* (Snellen, 1890)**

Pannucha asopialis Snellen, 1890: 557–647, pls. 19–20

Materials examined. Not available.

Distribution. Bhutan, North East India ([Hampson 1896a](#)).

Remarks. The species was not found during the study.

***Stericta rufescens* Hampson, 1895**

Stericta rufescens Hampson, 1895: 366–394

Materials examined. Not available.

Distribution. Bhutan ([Hampson 1896a](#)).

Remarks. Endemic to Bhutan. The species was not found during the study.

Stericta sinuosa* Hampson, 1895Stericta sinuosa* Hampson, 1895: 366–394*Materials examined.* Not available.*Distribution.* Bhutan, India (Hampson 1896a).*Remarks.* The species was not found during the study.***Trichotophysa jucundalis* (Walker, 1866b)***Bleptina jucundalis* Walker, 1866b: 1164*Materials examined.* Not available.*Distribution.* Bhutan, India, Sri Lanka (Hampson 1896a).*Remarks.* The species was not found during the study.

Subfamily Galleriinae Zeller, 1848

Picrogama semifoedalis* (Walker, 1866a)Botys semifoedalis* Walker (1866a): 1439–1440*Materials examined.* Not available.*Distribution.* Bhutan, India (Hampson 1896a).*Remarks.* The species was not found during the study.***Tirathaba unicolorella* (Hampson, 1896a)***Mucialla unicolorella* Hampson, 1896a: 5*Materials examined.* Not available.*Distribution.* Bhutan (Hampson 1896a).*Remarks.* Endemic to Bhutan. The species was not found during the study.***Eldana dichromellus* Walker, 1866a***Eldana dichromellus* Walker, 1866a: 633*Materials examined.* Not available.*Distribution.* Bhutan (Hampson 1896a).*Remarks.* Endemic to Bhutan. The single Galleriine species of stalk borer on rice, the veins are brown longitudinally and there are two black spots in the cell. The fore-wing has a prominent marginal fringe and a narrow black fascia near the margin. The frons is without a prominent point. The species was not found during the study.***Cathayia purpureotincta* Hampson, 1917***Cathayia purpureotincta* Hampson, 1917: 46*Materials examined.* Not available.*Distribution.* Bhutan (Hampson 1896a).*Remarks.* Endemic to Bhutan. The species was not found during the study.***Ammatucha semirrorella* (Hampson, 1896a)***Ammatucha semirrorella* Hampson, 1896a: 178*Materials examined.* Not available.*Distribution.* Bhutan, North East India (Hampson 1896a).*Remarks.* The species was not found during the study.***Anerastia castanealis* (Hampson, 1896a)***Anerastia castanealis* Hampson, 1896a: 67*Materials examined.* Not available.*Distribution.* Bhutan (Hampson, 1896a).*Remarks.* Endemic to Bhutan. The species was not found during the study.***Anonaepestis bengalella* Ragonot, 1894***Anonaepestis bengalella* Ragonot, 1894: 106*Materials examined.* Not available.*Distribution.* Bhutan, India, Sri Lanka, Thailand, Singapore, Sumatra, Java (Hampson 1896a; Robinson et al 1994).*Remarks.* The species was not found during the study.***Cadra cautella* (Walker, 1863)***Pempelia cautella* Walker, 1863: 73*Materials examined.* Not available.*Distribution.* Bhutan, Nepal, India, Sri Lanka, Sumbawa, China, Hong Kong, Australia (Hampson 1896a; Wang et al 1981; Robinson et al 1995; Kendrick 2002).*Remarks.* The species was not found during the study.***Ephestiopsis bipunctalis* (Hampson, 1896a)***Cryptoblabes bipunctalis* Hampson, 1896a: 105*Materials examined.* Not available.*Distribution.* Bhutan (Hampson 1896a).*Remarks.* Endemic to Bhutan. The species was not found during the study.***Faveria majoralis* (Hampson, 1896a)***Phycita majoralis* Hampson, 1896a: 94–95*Materials examined.* Not available.*Distribution.* Bhutan (Hampson 1896a).*Remarks.* Endemic to Bhutan. The species was not found during the study.***Kaurava rufimarginella* (Hampson, 1896a)***Rhodophaea rufimarginella* Hampson, 1896a: 101*Materials examined.* Not available.*Distribution.* Bhutan (Hampson 1896a).*Remarks.* Endemic to Bhutan. The species was not found during the study.***Laodamia eulepidella* (Hampson, 1896a)***Phycita eulepidella* Hampson, 1896a: 94*Materials examined.* Not available.*Distribution.* Bhutan, Sri Lanka (Hampson 1896a).*Remarks.* The species was not found during the study.***Mussidia pectinicornella* (Hampson, 1896a)***Myelois pectinicornella* Hampson, 1896a: 88–89, fig. 55*Materials examined.* Not available.*Distribution.* Bhutan, India, Sri Lanka, China, Japan, Taiwan, Thailand, Hong Kong, West Malaysia, Java, Fiji East (Hampson 1896a; Robinson et al 1994; Kendrick 2002).*Remarks.* The species was not found during the study.***Nephopteryx nocturnella* Hampson, 1896a***Nephopteryx nocturnella* Hampson, 1896a: 74*Materials examined.* Not available.*Distribution.* Bhutan (Hampson 1896a).*Remarks.* Endemic to Bhutan. The species was not found during the study.

Nephopteryx ochribasalis* Hampson, 1896aNephopteryx ochribasalis* Hampson, 1896a: 78*Materials examined.* Not available.*Distribution.* Bhutan, India, China, Hong Kong (Hampson 1896a; Caradja and Meyrick 1933; Kendrick 2002).*Remarks.* The species was not found during the study.***Patna eboricostella* Ragonot, 1888***Patna eboricostella* Ragonot, 1888: 39*Materials examined.* Not available.*Distribution.* Bhutan, India, Thailand, Hong Kong (Hampson 1896a; Robinson et al 1994; Kendrick 2002).*Remarks.* The species was not found during the study.***Phycita pachylepidella* Ragonot and Hampson, 1901***Phycita pachylepidella* Ragonot and Hampson, 1901: 441, pl. 53, fig. 3*Materials examined.* Not available.*Distribution.* Bhutan, North East India (Hampson 1896a).*Remarks.* The species was not found during the study.***Piesmopoda semilutea* (Walker, 1863)***Guastica semilutea* Walker, 1863: 81*Materials examined.* Not available.*Distribution.* Bhutan, Nepal, India, Sri Lanka, Thailand, Malaysia, Singapore, Sumatra, Hong Kong, Borneo, Sulawesi, New Guinea (Hampson 1896a; Robinson et al 1995; Kendrick 2002).*Remarks.* The species was not found during the study.***Protoetiella venustella* (Hampson, 1896a)***Etiella venustella* Hampson, 1896a: 109*Protoetiella venustella*, Roesler and Kppers, 1979: 192*Materials examined.* Not available.*Distribution.* Bhutan, India (Hampson 1896a).*Remarks.* The species was not found during the study.***Sandrabatis crassiella* Ragonot, 1893***Sandrabatis crassiella* Ragonot, 1893: 204, pl. 18, fig. 7*Materials examined.* Not available.*Distribution.* Bhutan, India, Sri Lanka (Hampson 1896a).*Remarks.* The species was not found during the study.***Volobilis chloropterella* (Hampson, 1896a)***Phycita chloropterella* Hampson, 1896a: 92*Materials examined.* Not available.*Distribution.* Bhutan, Sri Lanka, Myanmar (Hampson 1896a).*Remarks.* The species was not found during the study.

Subfamily Pyralinae Latreille, 1809

Arctioblepsis rubida*, Felder and Felder, 1862 (Figure 13B)*Arctioblepsis rubida* Felder and Felder, 1862: 33*Materials examined.* Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Langthel (Trongsa), 18 v 2014 (K. Wangdi); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).*Distribution.* Bhutan (Mendrelgang, Langthel, Gelephu), Nepal, India, China, Laos, Hong Kong (Yamanaka 1995; Kendrick 2002).*Remarks.* This species is reported for the first time from Bhutan.***Endotricha ardentalis* Hampson, 1896a***Endotricha ardentalis* Hampson, 1896a: 135*Materials examined.* Not available.*Distribution.* Bhutan, Borneo (Hampson 1896a).*Remarks.* The species was not found during the study.***Endotricha luteogrisalis* Hampson, 1896a***Endotricha luteogrisalis* Hampson, 1896a: 136*Materials examined.* Not available.*Distribution.* Bhutan, China (Hampson 1896a; Sun and Li 2012).*Remarks.* The species was not found during the study. The female of this species was first described from China (Sun and Li 2012).***Endotricha rufofimbrialis* Warren, 1891***Endotricha rufofimbrialis* Warren, 1891: 69*Materials examined.* Not available.*Distribution.* Bhutan, Borneo (Hampson 1896a).*Remarks.* The species was not found during the study.***Endotricha ruminalis* (Walker, 1859b)* (Figure 13C)***Agroptera ruminalis* Walker, 1859b: 387*Materials examined.* Bhutan 2♀, Dagana, 11 viii 2014 (J.S. Irungbam and M.S. Chib); 1♀, Sarpang, 8 vi 2014 (K. Wangdi); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).*Distribution.* Bhutan (Dagana, Sarpang, Gelephu), India, Sri Lanka, Myanmar, Malaysia, Taiwan (Hampson 1896a).*Remarks.* This species is reported for the first time from Bhutan.***Hypsopygia fuscalis* (Hampson, 1893)***Catoclysta [sic] fuscalis* Hampson, 1893: 52, 178, pl. 174, fig. 13.*Materials examined.* Not available.*Distribution.* Bhutan, Sri Lanka (Hampson 1896a).*Remarks.* The species was not found during the study.***Hypsopygia mauritialis* (Boisduval, 1833)* (Figure 13D)***Asopia mauritialis* Boisduval, 1833: 119, pl. 16, fig. 8.*Materials examined.* Bhutan 2♀, Sarpang, 8 vi 2014 (K. Wangdi); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib); 1♀, Langthel (Trongsa), 18 v 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).*Distribution.* Bhutan (Sarpang, Gelephu, Langthel), Nepal, India, China, Malaysia, Taiwan, Sumatra, Java, Indonesia, Hong Kong, Japan, Australia, Hawaii, Madagascar (Hampson 1896a, Kendrick 2002).*Remarks.* This species is reported for the first time from Bhutan.***Hypsopygia nitidicilialis* (Hering, 1901)* (Figure 13E)***Herculia nitidicilialis* Hering, 1901: 36–37, pl. 1, fig. 7 (1903)*Materials examined.* Bhutan 1♀, Mendrelgang (Tsirang), 20 vii 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).*Distribution.* Bhutan (Mendrelgang), Sumatra (Robinson et al 1994).*Remarks.* This species is reported for the first time from Bhutan.

Hypsopygia postflava* (Hampson, 1893)Pyralis postflava* Hampson, 1893: 43, 159, pl. 152, fig. 22.

Materials examined. Not available.

Distribution. Bhutan, North East India, Sri Lanka (Hampson 1896a).

Remarks. The species was not found during the study.

Lamoria virescens* Hampson, 1898 (Figure 13F)*Lamoria virescens* Hampson, 1898: 97

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 20 viii 2013 (J.S. Irungbam and M.S. Chib); 1♀, Gelephu, 8 vi 2014 (K. Wangdi)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Gelephu), India, Sri Lanka.

Remarks. This species is reported for the first time from Bhutan.

Loryma recusata* (Walker, 1863 [1864])Beria recusata* Walker, 1863 (1864): 62

Materials examined. Not available.

Distribution. Bhutan, Nepal, India, China, Thailand, W. Malaysia, Singapore, Hong Kong, Sumatra, Java, Brunei, Sabah, Borneo, Swarak, New Guinea (Hampson 1896a; Robinson et al 1994; Kendrick 2002).

Remarks. The species was not found during the study.

Macna pomalis* Walker, 1859aMacna pomalis* Walker, 1859a: 78

Materials examined. Not available.

Distribution. Bhutan, India, Malacca, Singapore, West Malaysia (Hampson 1896a; Robinson et al 1994).

Remarks. The species was not found during the study.

Omphalomia accersita* Swinhoe, 1894bOmphalomia accersita* Swinhoe, 1894b: 140

Materials examined. Not available.

Distribution. Bhutan, India, Thailand (Hampson 1896a; Robinson et al 1994).

Remarks. The species was not found during the study.

Orybina flaviplaga* (Walker, 1863b)* (Figure 13G)Oryba flaviplaga* Walker, 1863b: 11

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu), Nepal, North East India, Myanmar, W. Malaysia, Sumatra, Brunei (Yamanaka 2000).

Remarks. This species is reported for the first time from Bhutan.

Orybina plangonalis* (Walker, 1859c)* (Figure 13H)Scopula plangonalis* Walker, 1859c: 790–791

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Langthel (Trongsa), 30 iii 2014 (K. Wangdi); 1♂, Gelephu (Sarpang), 20 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Langthel, Gelephu), North East India, Thailand, China, Taiwan (Wang and Kishida 2011).

Remarks. This species is reported for the first time from Bhutan.

Pyralis pictalis* (Curtis, 1834)* (Figure 14A)Asopia pictalis* Curtis, 1834: folio 503

Materials examined. Bhutan 2♂, Mendrelgang (Tsirang), 20 viii 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang), Far East, China, Australia, Hong Kong (Caradja and Meyrick 1933; Kendrick 2002).

Remarks. This species is reported for the first time from Bhutan.

Sacada pallescens* Hampson, 1896aSacada pallescens* Hampson, 1895: 171

Materials examined. Not available.

Distribution. Bhutan, Nepal, North East India (Hampson 1896a; Yamanaka 1995).

Remarks. The species was not found during the study.

Sacada pyraliformis* (Moore, 1879)Danaka pyraliformis* Moore, 1879: 71, pl. 3, fig. 10.

Materials examined. Bhutan 2♂, Mendrelgang (Tsirang), 20 viii 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang), Nepal, North East India, Myanmar, Thailand (Hampson 1896a; Robinson et al 1994; Yamanaka 1995).

Remarks. Adults are easily attracted to artificial lights. *Sacada* have 30 or more species in South East Asia and 115 or more worldwide (Robinson et al 1994).

Toccolosida rubriceps* Walker, 1863Toccolosida rubriceps* Walker, 1863: 14

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 20 viii 2013 (J.S. Irungbam and M.S. Chib); 1♂, 1♀, Damphu (Tsirang), 12 ix 2013 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Damphu), Nepal, India, China, Taiwan, Myanmar, Java, Brunei, Sabah, Swarak, Kalimantan (Hampson 1896a; Robinson et al 1994; Yamanaka 2000).

Remarks. Mostly adults are attracted to light. Six or more species occurs in South East Asia.

Vitessa suradeva* Moore, 1860 (Figure 14B)*Vitessa suradeva* Moore (1860): 299, pl. 7a, fig. 7

Materials examined. Bhutan 4♂, 3♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang), Nepal, North East India, South India, Sri Lanka, Andaman Island, Myanmar, China, Thailand, Borneo (Hampson 1896a; Yamanaka 1995).

Remarks. This species is reported for the first time from Bhutan.

Zitha rosealis* (Hampson, 1896a)Tegulifera rosealis* Hampson, 1896a: 153.

Materials examined. Not available.

Distribution. Bhutan, North East India (Hampson 1896a).

Remarks. The species was not found during the study.

Zitha torridalis* (Lederer, 1863)* (Figure 14C)Asopia torridalis* Lederer, 1863: 342, 457, pl. 6, fig. 15

Materials examined. Bhutan 2♀, Mendrelgang (Tsirang), 18 ix 2014 (J.S. Irungbam and M.S. Chib); 1♀, Dagana, 30 iii 2014 (J.S. Irungbam and M.S. Chib)-coll. IRCC, Thimphu (Bhutan).

Distribution. Bhutan (Mendrelgang, Dagana), Nepal, India, Myanmar, China, Korea, Japan, Java, Hong Kong (Caradja and Meyrick 1933; Robinson et al 1995; Kendrick 2002; Lee and Bae 2007).

Remarks. This species is reported for the first time from Bhutan.

Discussion

With regards to the Pyraloidea fauna of Bhutan, there is no consolidated work. In the present study, the authors have tried to bring all the scattered information together considering the materials which were also not available during the study to get an up-to-date account of the Pyraloidea fauna of Bhutan. The results are mainly based on the collections brought from different districts of Bhutan by the authors during 2013 to 2015 and also include the published records to prepare a consolidated account on the families Crambidae and Pyralidae from Bhutan. Prior to the study, 73 species under 68 genera are recorded from Bhutan (Hampson 1896a). The present study added 109 species which gives a total of 182 species under 127 genera records of which 92 species are new records for Bhutan. This list is the first of its kind for the country.

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References

- Bhattacharya DP. 1997. Insecta: Pyralidae. In: Bhattacharya DP, editor. *State Fauna Series: 3. Fauna of West Bengal, Part 7, Insecta (Diptera and Lepidoptera)*. India: Zoological Survey of India. pp 319–408.
- Boisduval JBAD de. 1833. Considérations générales [Lépidoptères de Madagascar]. *Nouvelles Annales du Muséum d'Histoire Naturelle, Paris* 2:149–270.
- Butler AG. 1879. *Illustrations of typical Specimens of Lepidoptera Heterocera in the Collection of the British Museum* 3. London: British Museum. p 453.
- Butler AG. 1889. *Illustrations of typical specimens of Lepidoptera Heterocera in the collection of the British Museum*. London: The Trustees of the British Museum (Natural History).
- Caradja AV, Meyrick E. 1933. Materialien zu einer microlepidopteren-fauna Kwangtungs. *Deutsche Entomologische Zeitschrift* 47:123–167.
- Chandra K. 1996. Moths of great Nicobar Biosphere Reserve, India. *Malayan Nature Journal* 50:109–116.
- Chen F, Song S, Wu C. 2006a. A review of genus *Cirrhochrista* Lederer in China (Lepidoptera: Pyralidae: Schoenobiinae). *Oriental Insects* 40:97–105.
- Chen F, Song S, Wu C. 2006b. A review of the genus *Eristena* Warren in China (Lepidoptera: Crambidae: Acentropinae). *International Journal of Freshwater Entomology* 28:229–241.
- Chen F, Song S, Wu C. 2006c. A review of the genus *Parapoynx* Hübner in China (Lepidoptera: Pyralidae: Acentropinae). *Aquatic Insects* 28:291–303.
- Chen FQ, Wu CS. 2014. Taxonomic review of the subfamily Schoenobiinae (Lepidoptera: Pyraloidea: Crambidae) from China. *Zoological Systematics* 39:163–208.
- Christoph HT. 1881. Neue Lepidopteren des Amurgebietes. *Bulletin de la Société Impériale des Naturalistes de Moscou* 56:1–80.
- Cramer P. 1779–1780 ("1782"). *De uitlandsche kapellen, voorkomende in de drie waereld-deelen Asia, Africa en America [Papillons exotiques, des trois parties du monde l'Asie, l'Afrique et l'Amérique]*, vol. 3. S.J. Baalde and B. Wild, Amsterdam and Utrecht. 1–104, pls. 193–252(1779), 105–176, pls. 253–288 (1780).
- Cramer P, Stoll C. 1780–1782 ("1782"). *De uitlandsche kapellen, voorkomende in de drie waereld-deelen Asia, Africa en America [Papillons exotiques, des trois parties du monde l'Asie, l'Afrique et l'Amérique]*, vol. 4. S. J. Baalde and B. Wild, Amsterdam and Utrecht. 1–28, pls 289–304 (1780) (by Cramer); 29–90, pls 305–336(1780), 91–164, pls 337–372 (1781), 165–252, pls 373–400 (1782), 1–29 (1782) (by C. Stoll).
- Curtis J. 1834. *British Entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland: containing coloured figures from nature of the most rare and beautiful species, and in many instances of the plants upon which they are found*. London: John Curtis.
- Easton ER, Pun WW. 1996. New records of moths from Macau, Southeast China. *Tropical Lepidoptera* 7:113–118.
- Fabricius JC. 1775. *Systema entomologicae, sistens insectorum classes, ordines, genera, species, adiectis synonymis, locis, descriptionibus, observationibus*. Germany: Kortti, Flensburgi et Lipsiae.
- Fabricius JC. 1787. *Mantissa Insectorum sistens species nuper detectas adiectis synonymis, observationibus, descriptionibus, emendationibus*. Germany: Christ. Gottl. Proft, Hafniae.
- Fabricius JC. 1794. *Entomologica systematica emendata et aucta. Secundum classes, ordines, genera, species adiectis synonymis, locis, observationibus, descriptionibus*. Germany: C.G. Proft and C.F. Mohr, Hafniae et Kiliae.
- Felder C, Felder R. 1862. Observations de Lepidopteris nonnulis Chiae centralis et Japoniae. *Wiener Entomologische Monatschrift* 6:33–40.
- Felder C, Rogenhofer AF. 1875. Heterocera. In: Felder CR, Felder, Rogenhofer AF, editors. *Reise der österreichischen Fregatte Novara um die Erde in den Jahren 1857, 1858, 1859 unter den Befehlen des Commodore B. von Wüllerstorff-Urbair. Zoologischer Theil*. Wien: Kaiserlich-Königliche Hof- und Staatsdruckerei.
- Geyer, 1833. *Zutrage zur Sammlung exotischer Schmettlinge*, Vol. 5 1833–1837 in Hübner, Zutrage. Samml. exot. Schmett. 5: [1–3], 4, [5], 6–52 (1837): pl. [138–151], f. 801–880(1833): pl. [152–172], f. 881–1000 (1834–1836).
- Guenée MA. 1854. Deltaïdes et Pyralites. In: Boisduval JBAD de, Guenée MA, editors. *Histoire Naturelle des Insectes. Species Général des Lépidoptères* 8. Paris: Roret. pp 1836–1858.
- Hampson GF. 1891. *The Lepidoptera Heterocera of the Nilgiri district*. In: *Illustrations of typical specimens of Lepidoptera Heterocera in the collection of the British Museum*. London: Order of the Trustees, London. pp 139–156.
- Hampson GF. 1892. *The Fauna of British India including Ceylon and Myanmar. Moths* Vol. I. London: Taylor and Francis.
- Hampson GF. 1893. *The Macrolepidoptera Heterocera of Ceylon*. In: *Illustrations of typical specimens of Lepidoptera Heterocera in the collection of the British Museum*. London: Order of the Trustees, London. pp 157–176.
- Hampson GF. 1894. *The Fauna of British India including Ceylon and Myanmar. Moths* Vol. II. London: Taylor and Francis.
- Hampson GF. 1895. *The Fauna of British India including Ceylon and Myanmar. Moths* Vol. III. London: Taylor and Francis, London.
- Hampson GF. 1896a. *The Fauna of British India including Ceylon and Myanmar. Moths* Vol. IV. London: Taylor and Francis.
- Hampson GF. 1896b. On the classification of the Schoenobiinae and Crambinae, two subfamilies of moths, of the family Pyralidae. *Proceedings of the General Meetings for Scientific Business of the Zoological Society of London* 1895:897–974.
- Hampson GF. 1898. The moths of India. *The Journal of the Bombay Natural History Society* 12:73–98.
- Hampson GF. 1899. A revision of the moths of the subfamily Pyraustinae and family Pyralidae. Part I. *Proceedings of the General Meetings for Scientific Business of the Zoological Society of London* 1898:590–761.
- Hampson GF. 1903. The moths of India. *The Journal of the Bombay Natural History Society*; 1903, 15: part IX: 19–37; part X: 206–226, pl. C.
- Hampson GF. 1917. A classification of the Pyralidae, subfamily Gallerianae. *Novitates Zoologicae*, London 24:17–58.
- Hampson GF. 1919. Descriptions of new Pyralidae of the subfamilies Crambinae and Siginae. *Annals and Magazine of Natural History, including Zoology, Botany and Geology, London* 4. 53–68, 137–154, 305–326.
- Hering E. 1901. Uebersicht der Sumatra-Pyralidae. *Stettiner Entomologische Zeitung* 62. 13–118, 219–348.
- Hübner J. 1826–1832 (imprint "1832"). *Zutrage zur Sammlung exotischer Schmettlinge* [sic], bestehend. In Geyer C, editor. *Bekundigung einzelner Fliegemuster neuer oder rarer nichteuropäischer Gattungen*. Augsburg. [1]–[3]–4–6–[7]–8–48, pl. [104]–[137].
- Inoue H. 1982. Pyralidae. In: Inoue H, Sugi S, Kuroko H, Moriuti S, Kawabe A, editors. *Moths of Japan*. Tokyo: Kodansha. pp 392–966.
- Inoue H. 1986. A new species of the genus *Prophantis* from Indo-Australian region (Pyralidae, Pyraustinae). *Tyō to Ga* 36:157–161.
- Inoue H. 1994. Two new species of the genus *Palpita* Hübner from Southeast Asia (Lepidoptera, Pyralidae, Pyraustinae). *Tyō to Ga* 45:97–104.
- Inoue H. 1996. Revision of the genus *Palpita* Hübner (Crambidae, Pyraustinae) from the Eastern Palaearctic, Oriental and Australian Regions. Part 1: Group A (Annulifer Group). *Tinea* 15:12–46.
- Inoue H. 1997. Revision of the genus *Palpita* Hübner (Crambidae, Pyraustinae) from the Eastern Palaearctic, Oriental and Australian Regions. Part 2: Group B. *Tinea* 15:131–181.
- Kendrick RC. 2002. *Moths (Insecta: Lepidoptera) of Hong Kong*. Ph.D. Thesis. Hong Kong: University of Hong Kong.
- Kim S-S, Bae Y-S, Byun B-K. 2014. A review of the genus *Nacoleia* (Lepidoptera, Crambidae) from Korea, with two newly recorded species. *Korean Journal of Applied Entomology* 53:81–84.
- Kirti JS, Rose HS. 1992. Studies on Indian species of the genus *Palpita* Hübner (Lepidoptera: Pyralidae: Pyraustinae). *Journal of Entomological Research* 16:62–77.
- Kirti JS, Sodhi JS. 2001. A systematic list of Pyraustinae of north-eastern India (Pyralidae: Lepidoptera). *Zoo's Print Journal* 16:607–614.

- Kollar V. 1844. Aufzählung und Beschreibung der von Freiherrn Carl von Hügel auf seiner Reise durch Kaschmir und das Himalayagebirge gesammelten Insekten. In: C von Hügel, editor. *Kaschmir und das Reich der Siek*. Stuttgart: Hallberger.
- Latreille PA. 1809. *Genera Crustaceorum et Insectorum*. Amand Koenig, Parisii et Argentorati, pp 1–399.
- Latreille PA. 1810. *Considérations générales sur l'Ordre naturel des Animaux composant les Classes des Crustacés, des Arachnides et des Insectes; avec un Tableau méthodique de leurs Genres, disposés en Familles*. Paris: F. Schoell.
- Lederer J. 1863. Beitrag zur Kenntniss der Pyralidinen. *Wiener Entomologische Monatschrift* 7:243–504.
- Lee BW, Bae YS. 2007. A review of the tribe Pyralini Latreille (Lepidoptera, Pyralidae, Pyralinae) from Korea. *Transactions of Lepidoptera Society of Japan* 58:47–68.
- Li, et al. 2003. A systematic study of the genus *Eoophyla* Swinhoe in China, with description of two new species (Lepidoptera, Crambidae, Nymphulinae). *Acta Zootaxonomica Sinica* 28:295–301.
- Liang et al. 1989. Insects of Heishiding—The Nature Conservation Area, Guangdong, China. *Ecological Science* 1989:94–97.
- Linnaeus C. 1758. *Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis*. Holmiae: Impensis Direct.
- Liu YQ, Shen GP. 1992. Lepidoptera: Microlepidoptera. In: Peng JW, Liu YQ, editors. *Iconography of Forest Insects in Hunan, China*. Wolong: Hunan Science Technology. pp 666–753.
- Marion H. 1955. Révision des Pyraustidae de la faune française (suite). *Revue française de Lépidoptérologie*, Paris 15:41–58.
- Meyrick E. 1884. On the classification of the Australian Pyralidina. *Transactions of the Entomological Society of London* 32:61–80.
- Meyrick E. 1890. On the classification of the Pyralidina of the European fauna. *Transactions of the Entomological Society of London* 38:429–492.
- Meyrick E. 1894. On Pyralidina from the Malay Archipelago. *Transactions of the Entomological Society of London* 42:455–480.
- Moore F. 1860. A Catalogue of the lepidopterous insects in the Museum of Natural History at the East-India House 2. India: Museum of Natural History.
- Moore F. 1867. On the Lepidopterous insects of Bengal. *Proceedings of the General Meetings for Scientific Business of the Zoological Society of London* 1867:44–98.
- Moore F. 1877. The Lepidopterous fauna of the Andaman and Nicobar islands. *Proceedings of the General Meetings for Scientific Business of the Zoological Society of London* 1877:580–632.
- Moore F. 1879. Descriptions of Indian Heterocera from the collection of the late Mr WS Atkinson. In: Hewitson WC, Moore F, editors. *Descriptions of new Indian lepidopterous Insects from the collection of the late Mr WS Atkinson. With an introductory notice, by Arthur Grote 1*. Calcutta/London: The Asiatic Society of Bengal/Taylor and Francis. Pp. 5–88, pls. 2–3.
- Moore F. 1884–1887 (imprint “1885”). The Lepidoptera of Ceylon. London: Reeve.
- Moore F. 1888. Descriptions of new Indian lepidopterous insects from the collection of the late Mr. WS Atkinson. Heterocera (continued) (Pyralidae, Crambidae, Geometridae, Tortricidae, Tineidae). In: Hewitson WC, Moore F, editors. *Descriptions of new Indian lepidopterous Insects from the collection of the late Mr. WS Atkinson 3*. Calcutta/London: The Asiatic Society of Bengal/Taylor and Francis. Pp. 199–299, pls. 6–8.
- Munroe EG, Mutuura A. 1971. Contributions to a study of the Pyraustinae (Lepidoptera: Pyralidae) of Temperate East Asia XII. *The Canadian Entomologist, Ottawa* 103:503–506.
- Nakao K. 2015. Digital moths of Asia. Online version last updated on December 27, 2015. Available at: <http://www.jpmoth.org/~dmoth/index.html> [Date accessed: 15 March 2016].
- Nielsen ES, Edwards ED, Rangsi TV. 1996. *Checklist of the Lepidoptera of Australia*. Canberra: CSIRO Division of Entomology.
- Nuss M, Landry B, Mally R, et al. 2015. *Global Information System on Pyraloidea*. Available at: www.pyraloidea.org [Date accessed: 16 March 2016].
- Pryer H. 1877. Descriptions of new species of Lepidoptera from North China. *Cistula Entomologica* 2:231–235.
- Ragonot EL. 1888. *Nouveaux genres et espèces de Phycitidae et Galleriidae*. Paris: Publié par l'auteur pp 1–52.
- Ragonot EL. 1893. *Monographie des Phycitinae et des Galleriinae*. Paris: Romanoff NM, editor. *Mémoires sur les Lépidoptères*, VII 7; 1893. St. Petersburg.
- Ragonot EL. 1894. – *Indian Museum Notes*. Calcutta 3: 106.
- Ragonot EL. 1895. *Monographie des Phycitinae et des Galleriinae*. Paris: Romanoff NM, editor. *Mémoires sur les Lépidoptères*, VIII 8; 1901. –, St. Petersburg.
- Robinson GS, Tuck KR, Shaffer M. 1994. *Smaller Moths of Southeast Asia*. London: Natural History Museum.
- Robinson GS, Sattler K, Shaffer M, et al. 1995. Microlepidoptera and Pyraloidea of Nepal—A checklist and bibliography. In: Haruta, *Moths of Nepal*, Part 4, *Tinea*, Vol. 14 (Supplement 2). Japan: The Japanese Heterocerists' Society. pp 150–181.
- Roesler RU, Küppers PV. 1979. Die Phycitinae (Lepidoptera: Pyralidae) von Sumatra; Taxonomie Teil A. *Beiträge zur Naturkundlichen Forschung in Südwestdeutschland, Karlsruhe Beih* 3:1–249.
- Saunders. 1851. On insects injurious to the cotton plant. *Transactions of the Entomological Society of London* 1:158–166.
- Savela M. 2016. *Lepidoptera and some other life forms*. Available at: http://ftp.funet.fi/index/Tree_of_life/insecta/lepidoptera/ditrysia/pyraloidea/ [Date accessed: 21 March 2016].
- Snellen PCT. 1876. Over Oligostigma Guenée, een genus der Pyraliden. *Tijdschrift voor Entomologie's Gravenhage* 19:186–209.
- Snellen PCT, Elwes HJ. 1890. A catalogue of the Pyralidina of Sikkim collected by Henry J. Elwes and the late Otto Möller, with notes by H.J. Elwes. *Transactions of the Entomological Society of London* 38:557–647.
- Solis MA. 2007. Phylogenetic studies and modern classification of the Pyraloidea (Lepidoptera). *Revista Colombiana de Entomología* 33:1–9.
- Stephens JF. 1835–1837 (imprint “1835”). *Illustrations of British Entomology or; a synopsis of indigenous insects: containing their generic and specific distinctions; with an account of their metamorphoses, times of appearance, localities, food, and economy, as far as practicable*. London: Baldwin and Cradock.
- Sterling MJ, Kendrick RC. 2011. Species of moth (Lepidoptera) new to Hong Kong, recorded during September and October 2010: Part 2, Pyraloidea. *Hong Kong Entomological Society* 3:9–15.
- Sun Y, Li H. 2012. Five new species and three new females of the genus *Endotricha* Zeller from China (Lepidoptera, Pyralidae, Pyralinae). *ZooKeys* 214:29–42.
- Swinhoe C. 1890. The moths of Burma. *Transactions of the Entomological Society of London* 38:161–200.
- Swinhoe C. 1894a. New Pyrales from the Khasia Hills. *Annals and Magazine of Natural History, including Zoology, Botany and Geology*, London 14:197–210.
- Swinhoe C. 1894b. New species of Geometers and Pyrales from the Khasia Hills. *Annals and Magazine of Natural History, including Zoology, Botany and Geology*, London 14:135–149.
- Turner AJ. 1933. New Australian Lepidoptera. *Transactions of the Royal Society of South Australia, Adelaide* 57:159–182.
- Walker F. 1859a. List of the Specimens of Lepidopterous Insects in the Collection of the British Museum. Supplement. *List of the Species of Lepidopterous Insects Collection in the British Museum*, London 16:1–253.
- Walker F. 1859b. Pyralides. *List of the Specimens of Lepidopterous Insects in the Collection of the British Museum*, London 17:255–508.
- Walker F. 1859c. Pyralides. *List of the Specimens of Lepidopterous Insects in the Collection of the British Museum*, London 18:509–798.
- Walker F. 1859d. Pyralides. *List of the Specimens of Lepidopterous Insects in the Collection of the British Museum*, London 19:799–1036.
- Walker F. 1863. (“1864”). Catalogue of the heterocerous lepidopterous insects collected at Sarawak, in Borneo, by Mr. A.R. Wallace, with descriptions of new species. *Journal of the Proceedings of the Linnean Society of London* 7:49–84.
- Walker F. 1863. Crambites and Tortricites. *List of the Specimens of Lepidopterous Insects in the Collection of the British Museum*, London 27:1–286.
- Walker F. 1866a. (“1865”). Supplement 4. *List of the Specimens of Lepidopterous Insects in the Collection of the British Museum*, London 34:1121–1533.
- Walker F. 1866b. Supplement 5. *List of the Specimens of Lepidopterous Insects in the Collection of the British Museum*, London 35:1535–2040.
- Wang HY, Speidel W. 2000. *Guidebook to the Insects of Taiwan*, Vol. 19, Pyraloidea (Pyralidae, Crambidae). Taipei: Shu Shin Books.
- Wang PY, Wang LY, Fang CL, et al. 1981. *Iconographia Heterocerorum Sinicorum; part I*. Beijing: Science Press.
- Wang M, Kishida Y. 2011. *Moths of Guangdong Nanling National Nature Reserve*. Totnes, UK: Verlag Goëcke & Evers.
- Warren W. 1891. Descriptions of new genera and species of Pyralidae contained in the British-Museum Collection. *Annals and Magazine of Natural History, including Zoology, Botany and Geology*, London 8:61–70.
- Warren W. 1892. Descriptions of new genera and species of Pyralidae contained in the British Museum collection. *Annals and Magazine of Natural History, including Zoology, Botany and Geology*, London 9:172–442.
- Warren W. 1896a. New genera and species of Pyralidae, Thyrididae, and Epiplasmidae. *Annals and Magazine of Natural History, including Zoology, Botany and Geology*, London 17:94–216.
- Warren W. 1896b. New species of Pyralidae from the Khasia Hills. *Annals and Magazine of Natural History, including Zoology, Botany and Geology*, London 18: 107–232.
- Wu L. 1984. *A List and Distribution of Insects in Agriculture and Forestry of Guizhou Province*. Guiyang, China: Guizhou Peoples Publishing House.
- Yamanaka H. 1995. Pyralidae of Nepal (I). In: Haruta T, editor. *Moths of Nepal*, part 4. *Tinea*. Tokyo: Japan Heterocerist's Society. pp 182–193.
- Yamanaka H. 1998. Pyralidae of Nepal (II). In: Haruta T, editor. *Moths of Nepal*, part 5. *Tinea*. Tokyo: Japan Heterocerist's Society. pp 99–116.
- Yamanaka H. 2000. Pyralidae of Nepal (III). In: Haruta T, editor. *Moths of Nepal*, part 6. *Tinea*. Tokyo: Japan Heterocerist's Society. pp 45–62.
- Zeller PC. 1848. *Die Gallerien und nackthornigen Phycideen*. Leipzig: Isis von Oken.
- Zeller PC. 1852. *Lepidoptera Microptera, quae J.A. Wahlberg in Caffrorum terra collegit*. Stockholm: Kungliga Svenska Vetenskapsakademiens Handlingar, Uppsala, & Stockholm.
- Zeller PC. 1863. *Chilonidarum et Crambidarum genera et species*. Berlin: Wiegandt and Hempel, Meseritz, and Berlin.