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CONTRIBUTION TO THE KNOWLEDGE OF LITHOSIINI (EREBIDAE, ARCTIINAE) OF CENTRAL AND NORTHERN LAOS, PART 5.

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Abstract: The work deals with the study of Lithosiini (Erebidae, Arctiinae) of central and northern Laos in the areas of:
1. Khammouane province, Natoung vill. env., (165 m).
2. Khammouane province, Ban Gnang village env., (Kong Lor Cave), 180 m.
3. Bolikhamsai province, Khoun Ngeun env., (200-300 m).
4. Bolikhamsai province, Phou Khao Khoay NP (574 m).
5. Houaphan province, Na Khen village env., Saleuy Waterfall (1,260 m) = Huaphanne province, Ban Saluei v. env., Mt. Phu Pane (1,200-1,900 m). (The locations are the same, the first location is more accurate).
6. Xiangkhouang province, Muang Moc (Muang Nga) village env., (1,490 m).
7. Xiangkhouang province, Muang Moc (Muang Nga) village env., Mt. Samsoum (2,291 m).

The fifth part lists 67 species (6 as subspecies), of which 12 are new species:
Eugoa neptunus **n. sp.**, *Eugoa alexanderi* **n. sp.**, *Eugoa albidipuncta* **n. sp.**, *Diduga pallida* **n. sp.**, *Nudaria ochroleuca* **n. sp.**, *Cyclosiella lumicuprea* **n. sp.**, *Barsine izabela* **n. sp.**, *Asuridia caelestia* **n. sp.**, *Barsipennis consociara* **n. sp.**, *Neoduma konglora* **n. sp.**, *Oxacme scopa* **n. sp.**, *Nephelomilta zdenkoi* **n. sp.**

Key words: Erebidae, Lithosiini, new species, Laos, taxonomy

INTRODUCTION

This work builds on the previous four parts published in 2020 (BUCSEK 2020a,b,c,d). It presents a list of 67 species from Laos and also contains descriptions of twelve new species.

MATERIAL AND METHODS

The photos of adults were taken with NIKON D700. The genitalia were mounted on microscopic slides with Canada balsam, morphological observations were made with Leica M205C and photographs were taken with Flexacam C3 at the Institute of Zoology SAS, Bratislava. The genitalia were then removed, placed in

test tubes in glycerol and attached to labels under adults. Images were post-processed using Adobe® Photoshop CS5 and GNU Image Manipulation Programme (GIMP).

Holotypes and paratypes are stored in the Slovak National Museum in Bratislava, further paratypes in the collection of Karol Bucsek.

Abbreviations: HT – holotype, PT – paratype, SNM – Slovak National Museum, Bratislava, CKB – Karol Bucsek collection, Bratislava

SYSTEMATIC SECTION

Genus *Eugoa* Walker, 1858
Type species: *Eugoa aequalis* Walker, 1858 (Borneo).

***Eugoa neptunus* Bucsek n. sp.**
(Figs 1-4, 99-100)

Holotype: ♂ LAOS, Xiang Khouang prov., Muang Moc (Muang Nga) village env., 1,490 m, 19°08'07.34"N, 103°29'28.19"E, 18.V.–8.VI.2024, Leg. Karol Bucsek, SNM with a museum serial number SZ 11 254.
Paratypes: 4 ♂♂, 4 ♀♀, like holotype, CKB.

Wingspan: Male 22-24 mm, female 25-26 mm.
Holotype. Male 22 mm, antennae comb-shaped, head brown, thorax brown, abdomen straw-coloured. Forewings light greyish brown with faint brown dusting, with dark brown to black markings. Basal spot on costa markedly black, below a smaller one, antemedial spot on costa black, below a smaller one, discal spots black, small, diagonally next to each other – the inclination goes to the apex. Postdiscal spot on costa is the largest, below it a smaller one, submarginal line zigzag interrupted. Cilia light ochre. Hindwings light grey-ochre, subterminal and terminal areas with faint grey colouration, cilia light grey-ochre.
Male genitalia. Uncus tridentate, arms narrower and with half length, dorsal tegumenal lobes prominently wing-shaped with a row of cornuti mainly at apex. Valva tapering from base on both sides, apical lobe of valva bluntly terminated, distal saccular process triangular, with a smaller spine below on costal margin. Basal saccular lobe of valva prominent, densely covered with cornuti. Juxta with two rounded apexes. Aedeagus rounded, two small dentations of carina, vesica with a row of conical cornuti, dorsal diverticulum with scobination.
Female. Antennae filiform, colouration similar to male.
Female genitalia. Apophysis anterioris narrowly pointed, antevaginal plate sclerotized. Corpus bursae densely covered with spinules.

***Eugoa alexanderi* Bucsek n. sp.**
(Figs 5-6, 101-102)

Eugoa zolotuhini Dubatolov & Bucsek, 2016: BUCSEK 2020, Entomofauna carpathica, 32(1): 43-44, f. 3-4, 48-49.

Holotype: ♂ LAOS, Huaphanne prov., Mt. Phu Pane, 1200-1900 m, Ban Saluei v. env., 3.–13.V.2019, 20°12'N, 103°59'E, K. Bucsek & local collector leg., SNM with a museum serial number SZ 11 255.
Paratypes: 16 ♂♂, 5 ♀♀, like holotype, 54 ♂♂, 1 ♀ LAOS, Houaphan prov., Na Khen village env., Saleuy Waterfall, 1,260 m, 20°13'58.86"N, 104°00'15.71"E, 30.4.–8.5.2023, leg. Karol Bucsek, CKB. 1 ♂ 1 ♀ SNM.

Wingspan. Male 20-22 mm, female 21-23 mm.
Holotype. Male 20 mm, antennae comb-like, head blackish-brown, thorax brown, abdomen ochre-brown. The species is similar to *Eugoa zolotuhini* in genitalia, but the habitus is different. Forewings densely dusted with brown scales with black markings (*E. zolotuhini* forewings light brown with black markings). Basal spot on costa black distinct, below it a smaller one in the shape of a comma, antemedial spot on costa black, below it a smaller one (*E. zolotuhini* has a distinct antemedial line without interruption), discal spots black, small, set obliquely next to each other – the inclination is towards the apex. Postdiscal line distinct, weakly interrupted at discal spots, on the submarginal side almost lost, submarginal line interrupted zigzag. Cilia light ochreous with blackish-brown dots. Hindwing light grey-ochreous, subterminal and terminal areas with brown colouration (in *E. zolotuhini* the hindwing completely grey-brown), cilia light ochreous.
Male genitalia. Uncus with narrow apical part and triangular expansion at base, lateral arms on margin with distinct sharp tip, dorsal tegumenal lobes distinctly wing-shaped with several cornuti at apex, with deep notches on upper part (in E. zolotuhini they are parallel without notches). Valva distinctly narrows from base to costal margin (in *E. zolotuhini* the narrowing is more gentle), apical lobe of valva with blunt end, distal saccular process triangular in shape, below it on costal margin one smaller tip. Basal saccular lobe of valva distinct, densely covered with cornuti. Juxta straight and indistinct. Aedeagus rounded, one small dentation of carina (absent in *E. zolotuhini*), vesica with two conical cornuti, diverticulum with scobination.
Female. Antennae filiform, colouration similar to male.
Female genitalia. Apophysis anterioris narrowly pointed, antevaginal plate sclerotized. Corpus bursae densely covered with spinules.
Similar species. *Eugoa zolotuhini* Dubatolov & Bucsek, 2016, see text.
Note: I incorrectly determined the species in part 1 as *Eugoa zolotuhini* Dubatolov & Bucsek, 2016.
Etymology. The species is named after my grandson Alexander.

***Eugoa dubatolovi* Volynkin, Bucsek & Černý, 2018**
(Figs 7-8, 103-104)

Eugoa dubatolovi Volynkin, Bucsek & Černý, 2018, Ecol. Montenegrina: 103-105, f. 1-3, 7-9.

Wingspan. Male 21 mm, female 24 mm.
Type locality. South Laos.
Distribution in Laos. Champasak prov., Xiangkhouang prov.
Geographical range. South and Central Laos, South Vietnam.

***Eugoa hainanensis* Fang, 2000**
(Figs 9, 105)

Eugoa hainanensis Fang, 2000, Fauna Sinica, Insecta vol.19: 63, pl. 1, f. 20, genital f. 37.
Eugoa simonae Bucsek, 2008, Entomofauna 22 (26): 427, f. 16; 75; 76.
Eugoa simonae Bucsek: Cerny, Pinratana 2009, Moths of Thailand, vol.6: 20, pl. 3, f. 34a,b.
Eugoa hainanensis Fang: Bucsek 2016, Entomofauna 37 (22): 372, 381.
Eugoa hainanensis Fang: Volynkin, Bucsek, Černý & Saldaitis 2018, Ecol. Mon.: 108, f. 6, 12.

Wingspan. Female 18 mm.
Type locality. China – Hainan, Jianfengling.
Distribution in Laos. Houaphan prov.
Geographical range. India, Nepal, China (Hainan), Cambodia, Thailand, North Laos.

***Eugoa albidipuncta* Bucsek n. sp.**
(Figs 10-11, 106-107)

Holotype: ♂ LAOS, Houaphan prov., Na Khen village env., Saleuy Waterfall, 1,260 m, 20°13'58.86"N, 104°00'15.71"E, 30.4.– 8.5.2023, leg. Karol Bucsek, SNM with a museum serial number SZ 11 256.
Paratypes: 26 ♂♂, 2 ♀♀, like holotype, CKB, 1 ♂ LAOS, Xiang Khouang prov., Muang Moc (Muang Nga) village env., 1,490 m, 19°08'07.34"N, 103°29'28.19"E, 18.V.–8.VI.2024, Leg. Karol Bucsek, 2 ♂♂ SNM.

Wingspan. Male 16-18 mm, female 18 mm.
Holotype. Male 18 mm, antennae filiform, head and prothorax straw-yellow, thorax brownish black, abdomen straw yellow. Forewings (narrower than in *Eugoa unicolora* and *Eugoa brunnea*) brownish-black, costal and subterminal area almost black (in habitus *Eugoa albidipuncta* **n. sp.** is most similar to *Eugoa tineoides* from Borneo, Cambodia, China, but genitalia are different). Straw yellow spot at the base, small black antemedial line in the centre, whitish spot behind, discal spot small black, cilia brown with black spots. Hindwings whitish

with faint brown dusting, dark brown dusting at apex and subterminal area, cilia whitish, straw yellow with indistinct brown spots on apex.
Male genitalia. Uncus with broad base, narrow and almost straight, ending in a curved tip. Valvae asymmetrical, right valva on saccular margin ending in small blunt distal saccular process, medial saccular process rounded. On costa massive, rounded collis (in *E.unicolora* the collis has a square apex, in *E. brunnea* the collis is smaller and less rounded and sides form almost right angle). Left valva narrower, distal saccular process gradually narrowed with sharp apex, collis smaller with sharper apex, editum at basal site bent, tubular shape (in *E. unicolora* editum has sharp apex, in *E. brunnea* editum is indistinct).
Female. Antennae filiform, forewing colouration similar to male, but without antemedial whitish spot, hindwing distinctly more brown dusted.
Female genitalia. Antevaginal plate in the shape of wings with a sclerotized part in the shape of a right triangle, ductus bursae narrow, corpus bursae pear-shaped.
Similar species. *Eugoa unicolora* Bucsek, 2008, *Eugoa brunnea* Hampson, 1914, *Eugoa tineoides* (Walker, 1862), see text.

Genus *Malesia* van Eecke, 1920
Type species: *Malesia eugoana* van Eecke, 1920 (Java)

***Malesia eugoana* van Eecke, 1920**
(Figs 12-13, 108-109)

Malesia eugoana van Eecke, 1920, Zool. Med. Leiden, 5: 132.
Malesia eugoana van Eecke: Holloway 2001, Moths of Borneo 7: 413, pl. 7, f. 351.
Malesia eugoana van Eecke: Cerny, Pinratana 2009, Moths of Thailand, vol. 6:18 p.m. 2, f. 29.
Malesia eugoana van Eecke: Bucsek 2012, Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula – Malaysia: 14, pl. 3, f. 39, 39a, gen. Mal016.
Malesia eugoana van Eecke: Bae, Bayarsaikhan, Kimsun 2016, Biodiv. of Cambodia: tiger moths, 073, pl. 4, f. 28.

Wingspan. Male 15-17 mm, female 17 mm.
Type locality. E. Java – Preanger.
Distribution in Laos. Houaphan prov., Xiangkhouang prov.
Geographical range. Java, Borneo, Peninsular Malaysia, Cambodia, Thailand, Central and North Laos.

Genus *Meteugoa* Hampson, 1900
Type species: *Eugoa ochrivena* Hampson, 1898 (India – Meghalaya)

***Meteugoa ochrivena* (Hampson, 1898)**
(Figs 14, 110)

Eugoa ochrivena Hampson, 1898, J. Bomb. nat. Hist. Soc. 11: 439.
Meteugoa ochrivena Hampson: HAMPSON 1900, Cat. Lep. Phal. Bro. Must. 2: 335-336, f. 236.
Eugoa ochrivena Hampson: SEITZ 1914, Macrolep. World 10:165, pl. 17b.
Meteugoa ochrivena Hampson: CERNY, PINRATANA 2009, Moths of Thailand, vol. 6:18 p.m. 2, f. 28.
Meteugoa ochrivena Hampson: BUCSEK 2012, Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula – Malaysia: 16, pl. 3, f. 44.
Meteugoa ochrivena Hampson: BAE, BAYARSAIKHAN, KIMSUN 2016, Biodiv. of Cambodia: tiger moths, 077, pl. 5, f. 32.

Wingspan. Male 18 mm.
Locality type. India – Meghalaya.
Distribution in Laos. Houaphan prov.
Geographical range. NE Himalaya, Thailand, Peninsular Malaysia, Cambodia, North Laos, Borneo, Bali, Taiwan.

Genus *Philenora* Rosenstock, 1885
Type species: *Acontia undulosa* Walker, 1857 (Tasmania)

***Philenora mimetica* Van Eecke, 1925-1929**
(Figs 15, 111)

Philenora mimetica Van Eecke 1925-1929, Zool. Meded. VIII-XII: 277, pl. 3, f. 13.
Philenora mimetica Van Eecke: CERNY, PINRATANA 2009, Moths of Thailand, vol. 6:18 p.m. 2, f. 24.
Philenora mimetica Van Eecke: BUCSEK 2012, Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula – Malaysia: 22, pl. 4, f. 46, 46a, gen Mal018.

Wingspan. Female 14 mm.
Locality type. Sumatra – Fort de Kock.
Distribution in Laos. Houaphan prov.
Geographical range. Java, Sumatra, Thailand, Peninsular Malaysia, North Laos.

Genus *Diduga* Moore, 1887
Type species: *Pitane costata* Moore, 1887 (Sri Lanka)

***Diduga allodubatolovi* Bayarsaikhan, Li & Bae, 2020**
(Figs 16, 112)

Diduga allodubatolovi Bayarsaikhan, Li & Bae, 2020, Zootaxa 4751 (2): 360-361, p. 2, 10.
Diduga allodubatolovi Bayarsaikhan, Li & Bae: BAYARSAIKHAN et al. 2020, Zootaxa 4860 (3): 399, f. 7, 14.
Diduga allodubatolovi Bayarsaikhan, Li & Bae: ZHAO, HAN 2020, ZooKeys 985: 138 (list).

Diduga allodubatolovi Bayarsaikhan, Li & Bae: BAYARSAIKHAN et al. 2021, Zootaxa 4970 (1): 136, 138, f. 4, 12.
Diduga allodubatolovi Bayarsaikhan, Li & Bae: BAYARSAIKHAN et al. 2023, Zootaxa 5389 (3): 336, f. 7, 17.

Wingspan. Male 10-11 mm.
Locality type. China – Yunnan.
Distribution in Laos. Xiangkhouang prov., Bolikhamsai prov., Houaphan prov., Khammouane prov.
Geographical range. China (Yunnan), Laos, Thailand.

Diduga mucronata Bayarsaikhan & Bae, 2021

(Figs 17-18, 113)

Diduga mucronata Bayarsaikhan & Bae 2021, in BAYARSAIKHAN et al. 2021, Zootaxa 4970 (1): 133, f. 2a, 2b, 10a, 10b.
Diduga mucronata Bayarsaikhan & Bae: BAYARSAIKHAN et al. 2021, Zootaxa 5389 (3): 338, p. 5, 14.

Wingspan. Male 11-12 mm, female 10-11 mm.
Locality type. Laos – Xiangkhouang.
Distribution in Laos. Xiangkhouang prov., Houaphan prov.
Geographical range. Central and North Laos.

Diduga pallida Bucsek n. sp.

(Figs 19-20, 114-115)

Holotype: ♂ LAOS, Xiang Khouang prov., Muang Moc (Muang Nga) village env., 1,490 m, 19°08'07.34"N, 103°29'28.19"E, 18.V.–8.VI.2024, Leg. Karol Bucsek, SNM with a museum serial number SZ 11 257.
Paratype: 1 ♀, like holotype, CKB.

Wingspan. Male 11 mm, female 11 mm.
Holotype. Male, antennae filiform, head and prothorax cream-coloured, thorax cream-coloured with black centre, abdomen cream-coloured. Forewings cream-coloured with brown dusting, with ochre and black-brown markings. Costal margin from base to half brown-black, second half to apex ochre. Under costa from base to medial area black-brown irregular line, apical and subapical area black-brown, cilia ochre. Hindwings light brown, cilia light brown.
Male genitalia. Uncus narrow, long, rounded at the end with a sharp tip, valvae broad, distal saccular process narrow and long, collis angular. Aedeagus broad at the base, sharply narrowed in the shape of a tube, curved at the end, with one long lamellar cornutus.

Female. Antennae filiform, colouring of forewings similar to male, but costa ochre, hindwings grey, cilia grey.
Female genitalia. Ductus bursae very narrow, area towards corpus bursae sclerotized and covered with small cornuti, corpus bursae oval without distinctive features.

Genus *Nudaria* Haworth, [1809]

Type species: *Tortix mundana* Linnaeus, 1761 (Europe)

***Nudaria ochroleuca* Bucsek n. sp.**
(Figs 21-22, 116-117)

Nudaria mako Bucsek, 2020, Entomofauna carpathica, 32 (1): 50-51, f. 28, 62 (female PT).

Holotype: ♂ LAOS, Bolikhamsai prov., Ban Hatpan village env., 530 m, 18°40'50"N, 104°09'31"E, 24.4.–25.04.2023, leg. Karol Bucsek, SNM with a museum serial number SZ 11 258.
Paratype: 1 ♀, LAOS, Khammouane prov., Nakai env., 500 m, 17°34'N, 105°10'E, 25.–29.IV.2019, K. Bucsek leg., CKB.

Wingspan. Male 10 mm, female 10 mm.
Holotype: Male, antennae filiform ochre-brown, head, thorax and abdomen light brown, forewings creamy white with ochre and brown markings, ochre colouring in the subbasal area on the costa, antemedial line indistinct, wide and clearly visible on the costa, discal spot oval, postmedial line broad, in the middle bent towards termen, behind it near costa brown spot, apex light brown, cilia light brown. Hindwings light ochre, cilia light ochre.
Male genitalia. Uncus broad at the base, angular at the sides, sharply narrowed, with a point at the end. Valvae slightly narrowed towards the apex, costal saccular process prominent, slightly curved, pointed. Aedeagus narrow, semicircularly curved, with field of cornuti.
Female. Like the male, but somewhat darker and more distinctly coloured.
Female genitalia. Ostium bursae T-shaped, in corpus bursae two fields with thin and long cornutus.
Note: In part 1. I wrongly assigned the female to the male of *Nudaria mako* Bucsek, 2020 (the male was caught at an altitude of about 1,250 metres). After obtaining the male of *Nudaria ochroleuca* **n. sp.** and comparing the habitus features, the female is assigned to this species. Both specimens come from low altitudes of about 500 metres.

***Nudaria fumidisca* Hampson, 1896**
(Figs 23-24, 118-119)

Nudaria fumidisca Hampson, 1896, Fauna Br. India (Moths) 4: 502.
Nudaria fumidisca Hampson: HAMPSON 1900, Cat. Lep. Phal. Br. Mus. 2: 536, pl. 34, f. 26.
Nudaria fasciata Moore: CERNY, PINRATANA 2009, Moths of Thailand, vol. 6: 36, pl. 5: 71.
Nudaria fumidisca Hampson: DUBATOLOV, KISHIDA & WANG 2012, Tinea 22 (1): 51 (note).
Nudaria nanlingica Dubatolov, KISHIDA & WANG 2012, Tinea 22 (1): 50, f. 43, 87, **n. syn.**
Nudaria fumidisca Hampson: SINGH, SINGH & JOSHI 2014, Rec. Zool. Survey India Occ. Pap. 367: 49.

Wingspan. Male 12 mm, female 12 mm.
Locality type. India – Khásis.
Distribution in Laos. Xiangkhouang prov.
Geographical range. India (Sikhim, Assam, Arunachal Pradesh, Meghalaya), China (Guangdong), Central Laos, Thailand (Chiang Mai).
Note: *Nudaria nanlingica* Dubatolov, Kishida & Wang, 2012 is **n. syn.** of *Nudaria fumidisca* Hampson, 1896.

***Nudaria vernalis* Dubatolov, Kishida & Wang, 2012**
(Figs 25-26, 120-121)

Nudaria vernalis Dubatolov, Kishida & Wang, 2012, Tinea 22 (1): 51, f. 42, 88.

Wingspan. Male 13-15 mm, female 15-18 mm.
Locality type. China – Guangdong.
Distribution in Laos. Xiangkhouang prov.
Geographical range. China (Guangdong), Central Laos.

Genus *Cyclosiella* Hampson, 1900
Type species: *Hemonia dulcicula* Swinhoe, 1890 (Burma)

***Cyclosiella lumicuprea* Bucsek n. sp.**
(Figs 27-28, 122-123)

Holotype: ♂ LAOS, Houaphan prov., Na Khen village env., Saleuy Waterfall, 1,260 m, 20°13'58.86"N, 104°00'15.71"E, 30.4. –8.5.2023, leg. Karol Bucsek, SNM with a museum serial number SZ 11 259.
Paratypes: 5 ♂♂, 2 ♀♀, like holotype, 1 ♀, LAOS, Bolikhamsai prov., Ban Hatpan village env., 530 m, 18°40'50"N, 104°09'31"E, 24.4.–25.04.2023, leg. Karol Bucsek, CKB, 1 ♀ SNM.

Wingspan. Male 11-12 mm, female 10-12 mm.

Holotype. Male 11 mm, antennae filiform, antennae, head and thorax shiny copper-coloured, abdomen light ochre. Forewings dark ochre with black markings. Costa, apex, termen and cilia shiny copper-coloured, small black band at the anal margin in the medial area, small black spot at the anal angle. In the entre of the medial area black dot, in the subterminal area several very small dots arranged vertically. Hindwings light ochre, cilia light ochre.
Male genitalia. Uncus thick, semicircular with a sharp tip, valvae asymmetrical, the right valva shaped like a slightly inward-curved finger, the left valva broadly expanded from about the middle, resembling a scoop. Aedeagus tubular with a field of scobination.
Female. Like a male.
Female genitalia. Corpus bursae and appendix bursae about the same size, ovoid, at the mouth of the corpus bursae there is a semicircular cornutus-receiving sclerotized pocket.
Similar species: *Cyclosiella forcipula* Bucsek, 2012, *Cyclosiella flava* Bucsek, 2020 – these have no black colouration on the anal margin and anal angle, and no black dot in the medial area, the main difference is in the genitalia.

Genus *Planovalvata* Dubatolov & Kishida, 2012
Type species: *Planovalvata confusa* Volynkin, Dubatolov & Kishida, 2018,
(= *Stigmatophora roseivena* sensu Dubatolov et al. (2012), nec Hampson (1894)).

***Planovalvata confusa* Volynkin, Dubatolov & Kishida, 2018**
(Figs 29, 124)

Planovalvata confusa Volynkin, Dubatolov & Kishida, 2018, Zootaxa 4394 (1): 129, 131, f. 1-2, 7-8.
Planovalvata roseivena Hampson: Dubatolov, Kishida & Wang 2012, Tinea 22 (1): 41, f. 23, 75.
Planovalvata roseivena Hampson: Kirti & Singh 2016, Arctiid Moths of India 2: 168.

Wingspan. Male 19-21 mm.
Locality type. China – Guangdong.
Distribution in Laos. Xiangkhouang prov.
Geographical range. East India (Arunachal Pradesh), China (Sichuan, Hubei, Guangdong), North Vietnam, Central Laos.

Genus *Stigmatophora* Staudinger, 1881
Type species: *Setina micans* Bremer & Grey, 1853, (Burma)

***Stigmatophora roseivena* (Hampson, 1894)**
(Figs 30-31, 125-126)

Eugoa roseivena Hampson, 1894, Fauna of Br. India (Moths) 2: 99.
Stigmatophora roseivena Hampson: Hampson 1900, Cat. Lep. Phal. Bro. Must. 2: 551, pl. 34, f. 17.

Stigmatophora roseivena Hampson: SEITZ 1914, Macrolep. World 10: 121, f. 13d.
Stigmatophora roseivena Hampson: FANG 2000, Fauna Sin., Ins. 19, Lep. Arctiidae: 58, pl. 1: 12.
Stigmatophora roseivena Hampson: CERNY, PINRATANA 2009, Moths of Thailand, vol. 6: 16, pl. 2: 20.
Stigmatophora roseivena Hampson: VOLYNKIN, DUBATOLOV & KISHIDA 2018, Zootaxa 4394 (1): 131, 133, f. 3-4, 9-11.

Wingspan. Male 20-21 mm, female 20 mm.
Type locality. Burma.
Distribution in Laos. Bolikhamsai prov.
Geographical range. Myanmar (=Burma), Thailand, Central Laos, Vietnam, China (Jiangxi, Fujian, Hainan).

Genus *Barsine* Walker, 1854
Type species: *Barsine defecta* Walker, 1854 (Nepal).
Castabala Walker 1864, (type species *roseata*, Sikkim).

***Barsine gratissima versicolor* Volynkin & Černý, 2017**
(Figs 32-33)

Barsine gratissima versicolor Volynkin & Černý, 2017, Far East. Ent., 346: 24-28, f. 13-16, 30, 38.
Barsine gratissima versicolor Volynkin & Černý: VOLYNKIN et al. 2019, Ecol. Mont. 26: 68 (list).

Wingspan. Male 30-34 mm, female 40-45 mm.
Locality type. Thailand – Chiang Mai.
Distribution in Laos. Luang Prabang prov., Xiangkhouang prov.
Geographical range. North Thailand (Mae Hong Son, Chiang Mai, Nan, Lampang), Central and North Laos.

***Barsine flammealis* Moore, 1878**
(Fig. 34)

Barsine flammealis Moore, 1878, Proc. Zool. Soc. Lond. 1878: 28, pl. 3, f. 15.
Miltochrista gratiosa Guer: HAMPSON 1900, Cat. Lep. Phal. Bro. Must. 2: 488.
Miltochrista gratiosa flammealis Moore: SEITZ 1914, Macrolep. World 10: 139.
Barsine flammealis Moore: KISHIDA 2000, Tinea16 (Suppl. 1): 23, pl. 164, f. 13; pl. 41, f. 16 as *orientalis.*
Barsine flammealis Moore: SINGH, SINGH & JOSHI 2014, Rec. Zool. Survey India Occ. Pap. 367: 25.
Barsine flammealis Moore: VOLYNKIN, ČERNÝ 2016, Biol. Bull. Bogdan Chmel. Melitopol State Ped. Univ. 6 (3): 304, f. 1–3, 18, 26.
Barsine flammealis Moore: HUANG, VOLYNKIN, ČERNÝ, WANG & FAN 2019, Zootaxa 4711 (3): 504, f. 39–40, 73, 79.
Barsine flammealis Moore: HUANG, VOLYNKIN & IVANOVA 2019, Ecol. Montenegrina 26: 68 (list).

Wingspan. Male 35-36 mm, female 42 mm.
Locality type. India – Sikkim.

Distribution in Laos. Xiangkhouang prov.
Geographical range. Himalaya (Nepal, N. and E. India), North Thailand, Central Laos, Vietnam.

Barsine conicornutata (Holloway, 1982)

(Figs 35, 127)

Miltochrista conicornutata Holloway, 1982, in BARLOW 1982, Moths of South-east Asia: 71 (as *cornicornutata*), 213, pl. 23: 31 (as *cornicornutata*), 263: 38.
Miltochrista cornicornutata Holloway: FANG 1991, Sinozoologia 2: 384.
Miltochrista cornicornutata Holloway: FANG 2000, Fauna Sin., Ins. 19, Lep. Arctiidae: 95, pl. 2: 15.
Barsine cornicornutata Holloway: CERNY, PINRATANA 2009, Moths of Thailand, vol. 6: 62, pl. 13: 126.
Barsine cornicornutata Holloway: BAYARSAIKHAN, LEE & BAE 2018, J. Asia-pacif. Biodiv. 11 (3): 378.
Barsine conicornutata Holloway: HUANG, VOLYNKIN & IVANOVA 2019, Ecol. Montenegrina 26: 67 (list).

Wingspan. Male 24 mm.
Locality type. Malaysia – W. Pahang.
Distribution in Laos. Bolikhamsai prov.
Geographical range: Peninsular Malaysia, Thailand, Central Laos, Vietnam, China.

Barsine sieglindae Černý, 2016

(Figs 36-37, 128-129)

Barsine sieglindae Černý, 2016, Nachr. entomol. Ver. Apollo, NF 37 (2/3): 97, f. 9a, b, e, f; A.
Barsine sieglindae Černý: BAYARSAIKHAN, LEE, BAE 2018, Jour. of Asia-Pacific Biodiv.11, 383, figs 2B, 3F.
Barsine sieglindae Černý: HUANG, VOLYNKIN & IVANOVA 2019, Ecol. Montenegrina 26: 68 (list).

Wingspan. Male 24 mm, female 26 mm.
Locality type. Laos – Khammouane.
Distribution in Laos. Khammouane prov.
Geographical range: Central Laos.

Barsine sieglindae coloraria Černý, 2016

(Figs 38-39, 130-131)

Barsine sieglindae coloraria Černý, 2016, Nachr. entomol. Ver. Apollo, NF 37 (2/3): 97: 10a, b, e, f; B.
Barsine sieglindae coloraria Černý: HUANG, VOLYNKIN & IVANOVA 2019, Ecol. Montenegrina 26: 68 (list).
Barsine sieglindae Černý: BUCSEK 2020, Entomofauna carpathica, 32 (1): 69, f. 6-7.

Wingspan. Male 22-23 mm, female 26-29 mm.
Locality type. Laos – Khammouane.
Distribution in Laos. Khammouane prov., Bolikhamsai prov.
Geographical range: Central Laos.

***Barsine roseata augasta* Kishida, 2017**
(Fig. 40)

Barsine roseate augasta Kishida, 2017, Tinea 23 (6): 291, pages 2-3.
Barsine roseate augasta Kishida: HUANG, VOLYNKIN & IVANOVA 2019, Ecol. Montenegrina 26: 68 (list).

Wingspan. Female 45-46 mm.
Locality type. North Vietnam.
Distribution in Laos. Luang Prabang Prov., Xiangkhouang prov.
Geographical range: North Vietnam, Thailand (Chiang Mai, Nan), Central and North Laos.

***Barsine izabela* Bucsek n. sp.**
(Figs 41-42, 132-133)

Holotype: ♂ LAOS, Xieng Khouang Prov., Mt. Samsoum, 2,291m, 19°08'28"N, 103°48'12"E, 18.V.–8.VI.2024, Leg. Karol Bucsek, SNM with a museum serial number SZ 11 260.
Paratypes: 1 ♂, 2 ♀♀, like holotype, CKB.

Wingspan. Male 28-31 mm, female 32-36 mm.
Holotype. Male 28 mm, antennae finely ridged, head and thorax light yellow, abdomen whitish yellow. Forewings whitish yellow (in *B. dao* the forewings are yellow to straw yellow) with dark brown markings. In antemedial area dark brown lines of different lengths, near the costa they reach to the medial area (in *B. dao* the lines near costa do not reach to the medial area), postmedial line in the centre slightly bent towards the termen, in the lower part bent towards base of forewing, slightly interrupted (in *B. dao* the postmedial line is interrupted, and consists of thin lines), subterminal line copies the postmedial line, is more distinctly interrupted (in *B. dao* only narrow lines). Cilia whitish-yellow. Hindwings whitish (in *B*. *dao* the hindwings are light yellow to straw yellow).
Male genitalia. Uncus thick, slightly curved with a sharp tip. Valvae elliptical, proximal saccular process curved downwards, thick at base, narrowed from about halfway to a sharp point (in *B. dao* the proximal saccular process is only slightly narrowed and ends in a point), distal and dorsal lobes of distal saccular process small, about the same size (in *B. dao* they are larger). Editum prominent, medial ampulla slightly curved towards the base with a sharp beak-shaped tip (in *B. dao* the upper part is almost straight with a blunt tip). Aedeagus tubular, with two fields of medium-sized cornuti and one field of scobination.
Female. Forewing yellow, brown colouration reduced to thin bands (*B. dao* is similar, but the bands near the costa do not extend into medial area). Hindwings whitish (*B. dao* has a cream-coloured hindwings).

Female genitalia. Ductus bursae elongate, about the same width, corpus bursae spherical, slightly wrinkled with a scobination field, appendix bursae as a small protuberance on the ductus bursae.
Similar species: *Barsine dao* Volynkin, Černý & Huang, 2019, see text.
Etymology. The species is named after my granddaughter Izabela.

Genus *Cyme* Felder, 1861
Type species: *Cyme reticulata* Felder, 1861 (Amboina)

***Cyme euprepioides* (Walker, 1862)**
(Fig. 43)

Hypocrita euprepioides, Walker, 1862, Journ. Lin. Soc. Zool. 6: 102.
Barsine euprepioides Walker: Walker 1864, List Het. Bro. Must. 31: 249. 71.
Ammatho euprepioides Walker: Butler 1877, Trans. Ent. Soc. Lond. 1877: 343.
Hypocrita inclusa Snellen, 1877, Tijdschr. Ent. 20: 68, pl. 5, f. 2a-c.
Lyclene interserta Moore, 1878, Proc. Zool. Soc. Lond., 1878: 32.
Miltochrista euprepioides Walker: Hampson 1894, Moths Ind. 2: 116.
Asura euprepioides Walker: Hampson 1900, Cat. Lep. Phal. Bro. Must. 2: 434, 444-445.
Asura euprepioides Walker: Seitz 1914, Macrolep. World 10: 148, pl. 17 e.
Asura euprepioides interserta Moore: Seitz 1914, Macrolep. World 10: 148, pl. 17e.
Asura euprepioides interserta Moore: Fang 1982, Icon. Het. Sin. 2: 207, fig. 1525.
Miltochrista euprepioides Walker: Holloway 1982, in Barlow, An Introduction to the Moths of South-east Asia, p. 71, 213.
Asura euprepioides interserta Moore: Fang 2000, Fauna Sin., Ins. 19, Lep, Arctiidae: 120, pl. 3: 15.
Barsine euprepioides Walker: Holloway 2001, Moths of Borneo 7: 368, pl. 5, fig. 247.
Miltochrista euprepioides Walker: Kaleka & Rose 2002, Zoos' Print J. 17 (8): 854.
Barsine euprepioides Walker: Cerny, Pinratana 2009, Moths of Thailand, vol. 6: 70, pl. 15: 140.
Barsine euprepioides Walker: Bucsek 2012, Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula – Malaysia, 43, pl. 7: 98.
Lyclene euprepioides Walker: Singh, Singh, Sharma & Joshi 2013, Proc. Natl. Acad. Sci. India (B) 83(1):37.
Barsine euprepioides Walker: Singh, Singh & Joshi 2014, Rec. Zool. Survey India Occ. Pap. 367: 25.
Barsine euprepioides Walker: Kirti & Singh 2016, Arctiid Moths of India, 1: 95.
Barsine euprepioides Walker: Bayarsaikhan, Lee & Bae 2018, J. Asia-pacif. Biodiv. 11 (3): 384.
Cyme euprepioides Walker: Huang, Volynkin & Ivanova 2019, Ecol. Montenegrina 26: 68 (list).

Wingspan. Female 30 mm.
Locality type. Borneo – Sarawak.
Distribution in Laos. Bolikhamsai prov., Luang Prabang prov.
Geographical range: Borneo, Sumatra, Peninsular Malaysia, Thailand, Vietnam, Central and North Laos, Myanmar, China.

Genus *Sarbine* Volynkin, 2019
Type species: *Miltochrista flavodiscalis* Talbot, 1926 (Borneo)

***Sarbine hreblayi* (Volynkin & Černý, 2019)**
(Figs 44-45, 134-135)

Barsine hreblayi Volynkin & Černý, 2019, Zootaxa 4668 (4): 551, f. 17-20, 40, 50.
Sarbine (Sarbine) hreblayi Volynkin & Černý: HUANG, VOLYNKIN & IVANOVA 2019, Ecol. Montenegrina 26: 77 (list).

Wingspan. Male 20-22 mm, female 23 mm.
Locality type. North Thailand.
Distribution in Laos. Xiangkhouang prov., Houaphan prov.
Geographical range: North Thailand (Chiang Mai, Lampang, Nan) (ČERNÝ & PINRATANA 2009, as *B. inflexa*), Central and North Laos.

Genus *Micrarsine* Huang & Volynkin, 2021
Type species: *Barsine y-nigrum* Dubatolov & Bucsek, 2013 (N. Vietnam)

***Micrarsine y-nigrum* (Dubatolov & Bucsek, 2013)**
(Figs 46-47, 136-137)

Barsine y-nigrum Dubatolov & Bucsek, 2013, Tinea 22 (4): 286, f. 10, 24.
Ovipennis (Ovipennis) y-nigrum Dubatolov & Bucsek: HUANG, VOLYNKIN & IVANOVA 2019, Ecol. Montenegrina 26: 73 (list).
Ovipennis flavivenosa Moore: BUCSEK 2020, Entomofauna carpathica, 32 (1): 71, f. 15.
Micrarsine y-nigrum Dubatolov & Bucsek: HUANG, VOLYNKIN et al. 2021, Syst. Entomology: 12-13, f. 18-19, 36, 51.

Wingspan. Male 12-13 mm, female 12-13 mm.
Locality type. North Vietnam.
Distribution in Laos. Xiangkhouang prov., Houaphan prov.
Geographical range: North Vietnam (Kon Tum), Central and North Laos.
Note: In part 2. I incorrectly determined species as *Ovipennis flavivenosa* (Moore, 1878).

Genus *Delineatia* Volynkin & Huang, 2019
Type species: *Hypoprepia delineata* Walker, 1854 (Shanghai, N. China)

***Delineatia inexpecta* (Huang & Volynkin, 2020)**
(Figs 48, 138)

Ammatho (*Striatella*) *inexpecta* Huang & Volynkin, 2020, Zootaxa 4809 (3): 583-584, f. 1–4, 15–17, 23.
Delineatia inexpecta Huang & Volynkin: HUANG, VOLYNKIN et al. 2021, Syst. Entomology: 5-6.

Wingspan. Female 21 mm.
Locality type. China – Guangdong.

Distribution in Laos. Xiangkhouang prov.
Geographical range: China (Guangdong, Hunan), Vietnam (Vinh Phuc), Central Laos.

Genus *Striatochrista* Volynkin & S. Y. Huang, 2023
Type species: *Lithosia hypoprepioides* Walker, 1862 (Sarawak)

***Striatochrista speideli* (Volynkin, Černý & Huang, 2019)**
(Figs 49, 139)

Barsine speideli Volynkin, Černý & Huang, 2019, Zootaxa 4618 (1): 15-16, f. 49–55, 172–175, 237, 238.
Ammatho (Striatella) speideli Volynkin, Černý & Huang: HUANG, VOLYNKIN & IVANOVA 2019, Ecol. Montenegrina 26: 71 (list).
Striatochrista speideli Volynkin, Černý & Huang: HUANG, VOLYNKIN et al. 2023, Zootaxa 5315 (3): 255.

Wingspan: Male 21 mm.
Locality type. China – Hainan Isl.
Distribution in Laos. Phongsali prov., Khammouane prov., Champasak prov., Bolikhamsai prov.
Geographical range: China (Hainan Isl.), Thailand, Laos, Cambodia, Vietnam.

***Striatochrista eos* (Volynkin & Černý, 2019)**
(Figs 50-51, 140-141)

Barsine eos Volynkin & Černý, 2019, Zootaxa 4618 (1): 25-26, f. 106, 107, 200, 201, 254.
Ammatho (Striatella) eos Volynkin & Černý: HUANG, VOLYNKIN & IVANOVA 2019, Ecol. Montenegrina 26: 71 (list).
Striatochrista eos Volynkin & Černý: HUANG, VOLYNKIN et al. 2023, Zootaxa 5315 (3): 254.

Wingspan. Male 20-23 mm, female 20-23 mm.
Locality type. N. Thailand – Lampang.
Distribution in Laos. Xiangkhouang prov.
Geographical range: North Thailand (Lampang, Chiang Mai, Nan) (ČERNÝ & PINRATANA 2009, as *multistriata*), Central Laos.

Genus *Asuridia* Hampson, 1900
Type species: *Ammatho carnipicta* Butler, 1877 (China)

***Asuridia caelestia* Bucsek n. sp.**
(Figs 52-53, 142)

Asuridia ?*brevistriata* Fang: BUCSEK 2020, Entomofauna carpathica, 32 (1): 71, f. 19, 67.

Holotype: ♂ LAOS, Huaphanne prov., Mt. Phu Pane, 1200-1900 m, Ban Saluei v. env., 3.–13.V.2019, 20°12'N, 103°59'E, K. Bucsek & local collector leg., SNM with a museum serial number SZ 11 261.

Paratypes: 2 ♂♂ like holotype, 1 ♂ LAOS, Huaphanne prov., Mt. Phu Pane, 1200-1900m, Ban Saluei v. env., 21.–30.IV.2017, 20°12'N, 103°59'E, A. & R. Hergovits leg. +Lao collector, CKB.

Wingspan: Male 17-19 mm.
Holotype. Male 18 mm, antennae filiform, head pink, patagium and tegulae light red, thorax and abdomen pink, anal margin light red. Forewings pink with black markings, costa and terminal area light red. Near costa one subbasal spot, antemedial line doubly wavy, upper arch larger (in *A. brevistriata* the lower line is almost straight), medial line straight, slightly curved towards apex (in *A. brevistriata* the line is slightly curved towards base of the forewings), discal spot prominent, postmedial line sharply curved around discal spot, lower half slightly curved towards base of forewing (*A. brevistriata* has a large curve around the discal spot), in subterminal area a row of lines, cilia ochre coloured (*A. brevistriata* has cilia brown). Hindwings pink, cilia pink, at apex ochre.
Male genitalia. Uncus slender, almost rectangulerly curved with a sharp tip. Distal saccular process thick, ending in a downwardly bent point (*A. brevistriata* has a straight tip of the distal saccular process), basal saccular process formed by cornuti, costal medial process parallel, ending in smaller cornuti (*A. brevistriata* has a costal medial process directed perpendicularly upwards). Aedeagus has one larger cornutus on the carina, on the vesica two fields of cornuti, between them a field of scobination.
Female. Unknown.
Similar species: *Asuridia brevistriata* Fang, 1986, see text.

Genus *Aberrasine* Volynkin & Huang, 2019
Type species: *Miltochrista aberrans* Butler, 1877 (Japan – Yokohama)

***Aberrasine honbaensis* (Dubatolov & Bucsek, 2013) n. comb.**
(Figs 54, 143)

Barsine honbaensis Dubatolov & Bucsek, 2013, Tinea 22 (4): 286, f. 9, 23.
Ammatho (Striatella) honbaensis Dubatolov & Bucsek: HUANG, VOLYNKIN & IVANOVA 2019, Ecol. Montenegrina 26: 72 (list).
Ammatho (Striatella) honbaensis Dubatolov & Bucsek: HUANG, VOLYNKIN et al. 2021, Syst. Entomology: 7.

Wingspan: Male 16-17 mm.
Locality type. Vietnam – Khanh Hoa.
Distribution in Laos. Bolikhamsai prov.
Geographical range: South Vietnam, Central Laos, Taiwan (*A. honbaensis* from Taiwan has cilia black).

Genus *Barsipennis* Huang, Volynkin, 2021
Types of species: *Miltochrista phaeodonta* Hampson, 1911 (Sikkim)

***Barsipennis consociara* Bucsek n. sp**
(Figs 55-56, 144)

Holotype: ♂ LAOS, Xiang Khouang prov., Muang Moc (Muang Nga) village env., 1,490 m, 19°08'07.34"N, 103°29'28.19"E, 18.V.–8.VI.2024, Leg. Karol Bucsek, SNM with a museum serial number SZ 11 262.
Paratypes: 8 ♂♂ like holotype, CKB, 1 ♂ SNM.

Wingspan: Male 17-18 mm.
Holotype. Male 18 mm, antennae filiform, head yellow, black dot between antennae, thorax yellow, abdomen light yellow, anal margin yellow. Forewings yellow with black markings (markings more pronounced than in *Barsipennis joshii*), two basal spots, one on the costa. One subbasal spot near the costa, antemedial spots bordered by a curved antemedial line, medial line more or less straight, touching the antemedial line (the lines touch in nine out of ten cases in *B. consociara*, in *B. joshii* they do not touch). Discal spot near the postmedial zigzag line, subterminal spots next to postmedial line, cilia yellow (in *B. joshii* the cilia are dark). Hindwings light yellow, short grey subterminal line on costa, cilia light yellow.
Male genitalia. Uncus slender, curved with a sharp tip. Distal saccular process narrowed at apex, curved inwards (in *B. joshii* the distal saccular process is cranked on the outside), medial costal process triangular, apex directed inwards (in *B. joshii* the medial costal process is rounded, with a blunt, inward directed tip at the bottom). Aedeagus thick, short, with a pronounced dentation of carina (less pronounced in *B. joshii*), in the vesica two fields with thick cornuti.
Female. Unknown.
Similar species: *Barsipennis joshii* Volynkin & Černý, see text.

Genus *Miltochrista* Hübner, [1819]
Type species: *Noctua rubicunda* Denis & Schiffermueler, 1775 (Vienna distr., Austria)

***Miltochrista lyclenoides* Černý, 2016**
(Figs 57, 145)

Miltochrista lyclenoides Černý, 2016, Nachr. entomol. Ver. Apollo, N.F. 37 (2/3): 94-95, f. 2a, b, c, d, e, f, g.
Miltochrista lyclenoides Černý: Huang, Volynkin & Ivanova 2019, Ecol. Montenegrina 26: 83 (list).

Wingspan: Male 16-17 mm.
Locality type. Laos – Khammouane.
Distribution in Laos. Khammouane prov., Bolikhamsai prov.
Geographical range: Central Laos.

Miltochrista megalytera Volynkin, Černý & Huang, 2022

(Figs 58-59, 146-147)

Miltochrista megalytera Volynkin, Černý & Huang, 2022, Ecol. Montenegrina 59: 47, 50, 51, f. 1-4, 23, 24, 38.

Wingspan. Male 17 mm, female 23 mm.
Locality type. Thailand – Chiang Mai.
Distribution in Laos. Xiangkhouang prov.
Geographical range: North Thailand (Chiang Mai, Lampang, Nan), North Vietnam (Vinh Phuc, Lao Cai, Sơn La), Central Laos.

Miltochrista ehyrosta Volynkin, Černý, Huang & Saldaitis, 2023

(Figs 60-62, 148-149)

Miltochrista ehyrosta Volynkin, Černý, Huang & Saldaitis, 2023, Ecol. Montenegrina 68: 15-16, f. 16–19, 58–61, 85, 86).

Wingspan. Male 19-20 mm, female 20-22 mm.
Locality type. N. Vietnam – Vinh Phuc.
Distribution in Laos. Xiangkhouang prov.
Geographical range: Vietnam (Lao Cai, Vinh Phuc), Thailand (Chiang Mai, Lampang, Nan), Central Laos.

Miltochrista quadrata (Holloway, 2001)

(Figs 63, 150)

Lyclene quadrata Holloway, 2001, Moths of Borneo 7: 347, pl. 4, f. 162, 167.
Lyclene quadrata Holloway: Bucsek 2012, Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula – Malaysia, 58, pl. 10: 138-138c, gen Mal075.
Miltochrista quadrata Holloway: Volynkin et al. 2019, Ecol. Mont. 26: 85 (list).
Miltochrista quadrata Holloway: Volynkin et al. 2025, Zootaxa 5566 (3): 425, 427, f. 89-94, 134, 153.

Wingspan. Male 15 mm.
Locality type. Borneo – Sabah.
Distribution in Laos. Bolikhamsai prov.
Geographical range: Malaysia (Borneo and Malay Peninsula), Indonesia (Sumatra), Cambodia, South Thailand (Nakhon Si Thammarat, Chumphon), Central Laos, Northeast India (Assam).

Genus *Cabardites* Volynkin & Černý, 2021

Type species: *Asura limbata* Wileman, 1911 (Taiwan)

***Cabardites varanagara* Volynkin & Černý, 2021**
(Figs 64, 151)

Cabardites varanagara Volynkin & Černý, 2021, Zootaxa 4915 (4): 545, f. 18, 41.
Cabardites varanagara Volynkin & Černý: Zhao, Wu & Han 2023, Zootaxa 5339 (4): 375, pp. 9, 16, 21.

Wingspan. Male 20 mm.
Locality type. Thailand – Nan.
Distribution in Laos. Xiangkhouang prov.
Geographical range: Thailand (Nan), China (Yunnan), Central Laos.

Genus ***Adites* Moore, [1882]**
Type species: *Doliche hilaris* Walker, 1854 (Ceylon)

***Adites thanhi* Dubatolov & Bucsek, 2016**
(Figs 65-66)

Adites thanhi Dubatolov & Bucsek, 2016, Euroasian Ent. J. 15 (3): 230, 233, f. 7, 25.
Adites thanhi Dubatolov & Bucsek: Volynkin, Dubatolov & Bucsek 2016, Biol. Bull. Bogdan Chmel. Mel. State Ped. Univ. 6 (3): 329, f. 12, 13, 23.
Adites thanhi Dubatolov & Bucsek: Huang, Volynkin & Ivanova 2019, Ecol. Montenegrina 26: 87 (list).

Wingspan. Male 14-15 mm, female 15 mm.
Type locality. C. Vietnam – Kon Tum.
Distribution in Laos. Houaphan prov.
Geographical range: Central Vietnam (Kon Tum), North Thailand (Chiang Mai), North Laos.

Genus ***Pseudoadites* Singh & Kirti, 2016**
Type species: *Doliche frigida* Walker, 1854 (Burma)

***Pseudoadites frigida* (Walker, 1854)**
(Fig. 67)

Doliche frigida Walker, 1854, List. Spec. Lepid. Insects Colln. Br. Mus. 2: 530.
Lyclene difusa Walker, 1862, J. Linn. Soc. Zool. VI.: 111.
Nepita frigida Walker: Cotes & Swinhoe 1887, Cat. Moths Ind. 2: 654, p. 105.
Cabarda frigida Walker: Kirby 1892, Cat. Het. 1892: 301.
Asura frigida Walker: Hampson 1900, Cat. Lep. Phal. Br. Mus. 2: 438, 464, pl. 31: 25.
Asura frigida Walker: Draudt 1914: in Seitz, Macrolep. World 10: 155, pl. 18a.
Asura frigida Walker: Fang 1982, Icon. Het. Sin. 2: 206, fig. 1519.
Asura frigida Walker: Kishida 1994, Tinea 14 (Suppl. 1): 70, pl. 80: 6.
Asura frigida Walker: Fang 2000, Fauna Sin., Ins. 19, Lep. Arctiidae: 120, pl. 3: 14.
Adites frigida Walker: Holloway 2001, Moths of Borneo 7: 364, pl. 5, fig. 145, 235.
Adites frigida Walker: Cerny, Pinratana 2009, Moths of Thailand, vol. 6: 95, pl. 20: 191.

Adites frigida Walker: Bucsek 2012, Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula – Malaysia: 47, pl. 12, f. 12: 155, 155a.
Pseudoadites frigida Walker: Huang, Volynkin & Ivanova 2019, Ecol. Montenegrina 26: 87 (list).

Wingspan. Female 22-27 mm.
Locality type. Burma – Moulmein.
Distribution in Laos. Bolikhamsai prov.
Geographical range: NE Himalaya, Myanmar (=Burma), China, Thailand, Vietnam, Laos, Cambodia, Sundaland, Peninsular Malaysia.

Genus *Ovipennis* Hampson, 1900
Type species: *Nudaria dudgeoni* Elwes, 1890 (Sikkim)

***Ovipennis sapa* Volynkin, S.-Y. Huang, Černý & Saldaitis, 2024**
(Figs 68, 152)

Ovipennis sapa Volynkin, S.-Y. Huang, Černý & Saldaitis, 2024, in Huang et al. 2024, *Zootaxa* 5399 (5): 551, 553, f. 15, 32.

Wingspan. Male 15-16 mm.
Locality type. N. Vietnam – Sa Pa.
Distribution in Laos. Houaphan prov.
Geographical range: North Vietnam (Lao Cai), North Laos.
Note. The species is described on the bases of the female, the male was not known. Very similar to *Ovopennies thomasi* Černý, 2009. Male: head white to whitish-grey, tegulae white, grey at the base (*O. thomasi* has a brownish-black head, tegulae ochre, black at the base), cilia white (*O. thomasi* has cream-coloured cilia). In the aedeagus one large cornutus and a row of smaller cornuti (*O. thomasi* has only one large cornutus).

***Ovipennis milani* (Černý, 2009)**
(Figs 69, 153)

Idopterum milani Černý, 2009, in Cerny, Pinratana 2009, Moths of Thailand, vol. 6: 102, pl. 21, f. 203.
Nanarsine milani Černý: Huang, Volynkin & Ivanova 2019, Ecol. Montenegrina 26: 87 (list).
Ovipennis milani Černý: Zhao, Volynkin et al. 2022, Zootaxa 5178 (5): 486, f. 2-5, 12, 13, 19, 20.

Wingspan. Male 14-15 mm.
Locality type. N. Thailand – Chiang Mai.
Distribution in Laos. Houaphan prov.
Geographical range: North Thailand (Chiang Mai), North Vietnam, North Laos, Southwest China (Xizang, Yunnan).

Genus *Idopterum* Hampson, 1894
Type species: *Idopterum ovale* Hampson, 1894 (Burma)

***Idopterum ovale* Hampson, 1894**
(Figs 70-71, 154)

Idopterum ovale Hampson, 1894, Fauna Br. India (Moths) 2: 103.
Idopterum ovale Hampson: HAMPSON 1900, Cat. Lep. Phal. Bro. Must. 2: 410, f. 321.
Idopterum ovale Hampson: DRAUT 1914: in Seitz, Macrolep. World 10: 162.
Idopterum ovale Hampson: FANG 1982, Icon. Het. Sin. 2: 196, f. 1417.
Idopterum ovale Hampson: FANG 2000, Fauna Sin. Ins. 19, Lep., Arctiidae: 141, f. 89, pl. 4: 3.
Idopterum ovale Hampson: CERNY, PINRATANA 2009, Moths of Thailand, vol. 6: 102, pl. 21: 202.
Ammatho (Idopterum) ovale Hampson: HUANG, VOLYNKIN & IVANOVA 2019, Ecol. Montenegrina 26: 70 (list).
Ammatho (Idopterum) ovale Hampson: HUANG, VOLYNKIN et al. 2020, Zootaxa 4885 (2): pp. 3-6, 9-11.

Wingspan. Male 19-20 mm, female 22-25 mm.
Locality type. Burma – Bernardmyo.
Distribution in Laos. Xiangkhouang prov.
Geographical range: Myanmar (=Burma), China, Thailand, Vietnam, Central Laos.

Genus *Siccia* Walker, 1854
Type species: *Siccia caffra* Walker, 1854 (Cape Colony)
= *Aemene* Walker, 1854. Type species: *Aemene taprobanis* Walker, 1854 (Ceylon)

***Siccia angusta* Volynkin, 2023**
(Figs 72, 155)

Siccia angusta Volynkin, 2023, Ecol. Montenegrina 66: 37-38, f. 2, 34.

Wingspan. Male 21-24 mm.
Locality type. North Vietnam – Sa Pa.
Distribution in Laos. Xiangkhouang prov.
Geographical range: North Vietnam (Sa Pa), Central Laos.

***Siccia punctata* Fang, 2000**
(Figs 73, 156)

Siccia punctata Fang, 2000, Fauna Sinica Insecta, 19: 152, 538, f. 95 (genitalia), pl. IX, fig. 17.
Aemene punctigera Leech, 1899: CERNY, PINRATANA 2009, Moths of Thailand, vol. 6: 106, pl. 22: 211.
Aemene zolotuhini Dubatolov & Bucsek, 2016, Euroasian Ent. Journal, 15 (3): 233, figs 9, 28.
Aemene punctata Fang: VOLYNKIN, ČERNÝ & IVANOVA 2017, Zootaxa 4306 (3): 449 (list).
Siccia punctata Fang: VOLYNKIN 2023, Ecol. Montenegrina 64: 101 (list).
Siccia punctata Fang: VOLYNKIN 2023, Ecol. Montenegrina 66: 51, f. 25, 26, 48, 62.

Wingspan. Male 22 mm.
Locality type. China – Yunnan.
Distribution in Laos. Xaignabouli prov., Xiangkhouang prov.
Geographical range: China (Yunnan), Thailand (Chiang Mai, Uthai Thani), Vietnam (Gia Lai, Ninh Binh), Central Laos.

***Siccia nocturna* (Hampson, 1900)**
(Figs 74, 157)

Parasiccia nocturna Hampson, 1900, Cat. Lep. Phal. Br. Mus. 2: 410, f. 320.
Parasiccia nocturna Hampson: Draut 1914: in Seitz, Macrolep. World 10: 164.
Parasiccia nocturna Hampson: Sing, Sing & Joshi 2014, Rec. Zool. Survey India. Occ. Pap. 367: 51.
Aemene nocturna Hampson: Volynkin, Černý & Ivanova 2017, Zootaxa 4306 (3): 449 (list).
Parasiccia nocturna Hampson: Fang 2000, Fauna Sinica, Insecta vol.19: 63, pl. 9, f. 7.
Siccia nocturna Hampson: Volynkin 2023, Ecol. Montenegrina 64: 101 (list).

Wingspan. Male 20-21 mm.
Locality type. India – Sikkim.
Distribution in Laos. Xiangkhouang prov.
Geographical range: India (Sikkim), China, Central Laos.

***Siccia bicornuata* (Bucsek, 2020)**
(Figs 75, 158)

Aemene bicornuata Bucsek, 2020, Entomofauna carpathica, 32 (1): 21, f. 5, 66.

Wingspan. Male 20-21 mm.
Locality type. Laos – Houaphan prov.
Distribution in Laos. Houaphan prov.
Geographical range: North Laos.
Note: Shown is an adult in better quality.

Genus *Halone* Walker, 1854
Type species: *Halone sobria* Walker, 1854 (Australia)

***Halone oblimarea* Bucsek, 2012**
(Figs 76, 159)

Halone oblimarea Bucsek, 2012, Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula – Malaysia: 86-87, pl. 15, f. 215, gen. Mal127.

Wingspan. Female 16 mm.
Locality type. Malaysia – Pahang.
Distribution in Laos. Xiangkhouang prov.
Geographical range: South Malaysia, Central Laos.

Genus *Neoduma* Hampson, 1918
Type species: *Neoduma ectozona* Hampson, 1918 (Philippines)

***Neoduma konglora* Bucsek n. sp.**
(Figs 77, 160)

Holotype: ♂ LAOS, Khammouan prov., Ban Gnang village env., (Kong Lor Cave), 180 m, 17°26'36.3"N, 105°03'59.2"E, 20.4.2023, leg. Karol Bucsek, SNM with a museum serial number SZ 11 263.

Wingspan. Male 11 mm.
Holotype. Antennae filiform, head and thorax cream-coloured, abdomen ochre-coloured. Forewings cream with grey, brownish-black and black pattern. Subbasal spot on anal margin, in antemedial area two irregular lines on anal margin, brownish-black colouring from medial area to termen, therein on postmedial level two black indistinct spots placed one above the other, cilia brownish-black. Hindwings yellow, with brown dusting at the apex, cilia light yellow.
Male genitalia. Uncus slender, more or less straight with a sharp tip. Distal saccular process membranous, much smaller than distal costal process, rounded at the apex. Distal costal process strong, curved outwards with blunt apex. Juxta distinct, conical, curved inwards in the lower part. Aedeagus thick, short, with one large cornutus.
Female. Unknown.

Genus *Tospitis* Walker, 1863
Type species: *Tospitis nulliferana* Walker, 1863 (Borneo)

***Tospitis variabilis* Bucsek, 2012**
(Figs 78, 161)

Tospitis variabilis Bucsek, 2012, Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula – Malaysia: 75, pl. 13, f. 186-186e, gen. Mal101, Mal104.

Wingspan. Female 11 mm.
Locality type. Malaysia – Perak.
Distribution in Laos. Houaphan prov.
Geographical range: North Malaysia, North Laos.

Genus *Oxacme* Hampson, 1894
Type species: *Oxacme dissimilis* Hampson, 1894 (Sikkim)

***Oxacme scopa* Bucsek n. sp.**
(Figs 79-80, 162-163)

Holotype: ♂ LAOS, Huaphanne prov., Mt. Phu Pane, 1200-1900m, Ban Saluei v. env., 3.- 13.V.2019, 20°12'N, 103°59'E, K. Bucsek & local colleactor leg., SNM with a museum serial number SZ 11 264.
Paratypes: 10 ♂♂ , 8 ♀♀ like holotype, 1 ♂ LAOS, Houaphan prov., Na Khen village env., Saleuy Waterfall, 1,260 m, 20°13'58.86"N, 104°00'15.71"E, 30.4.–8.5.2023, leg. Karol Bucsek, 1 ♀ LAOS, Xiang Khouang prov., Muang Moc (Muang Nga) village env., 1,490 m, 19°08'07.34"N, 103°29'28.19"E, 18.V.–8.VI.2024, Leg. Karol Bucsek, 3 ♂♂, 3 ♀♀, LAOS, Khammouane prov., Nakai env., 500 m, 17°34'N, 105°10'E, 25.–29.IV.2019, K. Bucsek leg., CKB, 1 ♀ SNM.

Wingspan. Male 11-13 mm, female 11-12 mm.
Holotype. Male 12 mm. The species is habitually similar to *Oxacme asymmetrica.* Antennae filiform, head, thorax and abdomen cream-coloured. Forewings cream-coloured with brown dusting, brown and dark brown markings (in *O. asymmetrica* the dusting is more pronounced, markings are almost black), one small subbasal and one antemedial spot on costa, one larger brown spot in medial area of costa, submarginal brown line on costa (in *O. asymmetrica* spot in medial area and submarginal line on costa black), submarginal brown line on costa, subterminal spot on terminal line, about 1/3 from apex, terminal line brown to dark brown (in *O. asymmetrica* the submarginal line, subterminal spot and terminal line are black). Hindwings whitish, cilia greyish (*O. asymmetrica* has hindwings with light brown cilia).
Male genitalia. Uncus slender, slightly curved at the apex with a sharp tip (in *O. asymmetrica* the uncus is thickened at the apex and more clearly curved). Distal saccular process wavy with blunt tip (in *O. asymmetrica* the distal saccular process ends in a double tip), medial saccular process long, thin and pointed (*O. asymmetrica* has no medial saccular process), dorsal valvellae prominent, pointed (in *O. asymmetrica* the valvellae are missing).
Female. Similar to male.
Female genitalia. Postero-lateral lobe of antrum sclerotized with round projections, ductus bursae sclerotized, corpus bursae filled with spinules, with one large signa and three clusters of cornuti in the shape of a whisk. Appendix bursae small, globose.
Similar species: *Oxacme asymmetrica* Holloway, see text.

Genus *Utriculofera* Hampson, 1893
Type species: *Utriculofera fuscapex* Hampson, 1893 (Ceylon)

***Utriculofera fuscapex* Hampson, 1893**
(Figs 81, 164)

Utriculofera fuscapex Hampson, 1893, Ill. typical Spec. Lep. Het. Colln. Br. Mus. 9:82 pl. 158, f. 7, 17.
Utriculifera [sic] *fuscapex* Hampson: HAMPSON 1900, Cat. Lep. Phal. Br. Mus. 2: 290, p. 206.
Utriculofera fuscapex Hampson: HOLLOWAY 2001, Moths of Borneo 7: 402, pl. 6, f. 4e, 296, 339.
Utriculofera fuscapex Hampson: BUCSEK 2012, Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula – Malaysia: 81, pl. 14, f. 203, 203a.
Utriculofera fuscapex Hampson: SINGH, SINGH & JOSHI 2014, Rec. Zool. Survey India Occ. Pap. 367: 57.

Wingspan. Male 13 mm.
Type locality. Ceylon.
Distribution in Laos. Houaphan prov.
Geographical range: Sri Lanka (=Ceylon), India, Peninsula Malaysia, Borneo, North Laos.

Genus *Macaduma* Walker, 1866
Typical species: *Macaduma tortricella* Walker, 1866

***Macaduma chenglaiae* Zhao, Bucsek & Han, 2022**
(Figs 82-83, 165-166)

Macaduma chenglaiae Zhao, Bucsek & Han, 2022, SHILAP Revta. lepid., 50 (197) marzo 2022: 98-99, f. 3, 10, 17, 18.

Wingspan. Male 16-18 mm, female 16-18 mm.
Locality type. China – Yunnan.
Distribution in Laos. Xiangkhouang prov., Houaphan prov.
Geographical range: China (Yunnan), Central and North Laos.

Genus *Garudinia* Moore, 1882
Type species: *Tospitis latana* Walker (Ceylon)

***Garudinia biplagiata* Hampson, 1896**
(Fig. 84)

Garudinia biplagiata Hampson, 1896, Fauna Br. India (Moths) 4: 498.
Garudinia biplagiata Hampson: HAMPSON 1900, Cat. Lep. Phal. Br. Mus. 2: 261, pl. 25: 17.
Garudinia biplagiata Hampson: HAMPSON 1914, Cat. Lep. Phal. Br. Mus (Suppl.) 1: 568.
Garudinia biplagiata Hampson: DRAUDT 1914: in SEITZ, Macrolep. World 10: 193, pl. 16 a.
Garudinia biplagiata Hampson: CERNY, PINRATANA 2009, Moths of Thailand, vol. 6: 108, pl. 22: 215a, 215b.

Garudinia biplagiata Hampson: BUCSEK 2012, Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula – Malaysia: 66, pl. 16: 227, gen. Mal132.
Garudinia biplagiata Hampson: SINGH, SINGH & JOSHI 2014, Rec. Zool. Survey India Occ. Pap. 367: 37.
Garudinia biplagiata Hampson: ZHAO, WU, HAN 2023, Zootaxa 5256 (2): 193, f. 7, 8, 16, 20, 22.

Wingspan. Male 16 mm.
Type locality. Bhutan.
Distribution in Laos. Xiangkhouang prov., Houaphan prov.
Geographical range: China (Yunnan), India, Bhutan, Thailand, Peninsular Malaysia. Central and North Laos.

Genus *Lobobasis* Hampson, 1896
Type species: *Lobobasis niveimaculata* Hampson (Bhutan)

***Lobobasis niveimaculata* Hampson, 1896**
(Fig. 85)

Lobobasis niveimaculata Hampson, 1896, Fauna Br. India (Moths) 4: 498.
Lobobasis niveimaculata Hampson: DRAUDT 1914: in SEITZ, Macrolep. World 10: 195, pl. 16 a.
Lobobasis niveimaculata Hampson: HOLLOWAY 2001, Moths of Borneo 7: 397, pl. 6, figs 6e, 317.
Lobobasis niveimaculata Hampson: CERNY, PINRATANA 2009, Moths of Thailand, vol. 6: 112, pl. 22: 224a, 224b.
Lobobasis niveimaculata Hampson: BUCSEK 2012, Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula – Malaysia: 68, pl. 16: 234, 234a.
Lobobasis niveimaculata Hampson: SINGH, SINGH & JOSHI 2014, Rec. Zool. Survey India Occ. Pap. 367: 40.

Wingspan. Male 16-17 mm.
Type locality. Bhutan.
Distribution in Laos. Xiangkhouang prov.
Geographical range: China (Yunnan), India, Bhutan, Thailand, Peninsular Malaysia. Central Laos.

Genus *Cyana* Walker, 1854
Type species: *Cyana detrita* Walker (Bangladesh)

***Cyana indosinica* Volynkin & Černý, 2018**
(Figs 86, 167)

Cyana indosinica Volynkin & Černý, 2018, Zootaxa 4497 (1): 84-85, f. 5-10, 28-30, 38, 39, 46.
Cyana indosinica Volynkin & Černý: VOLYNKIN, ČERNÝ 2019, Ecol. Montenegrina 21: 57 (note).

Wingspan. Female 34 mm.
Locality type. Thailand – Nan.
Distribution in Laos. Bolikhamsai prov., Khammouan prov., Champasak prov.

Geographical range: North and Central Thailand (Chiang Rai, Chiang Mai, Nan, Saraburi, Nakhon Ratchasima), SW China (Yunnan), Laos, Cambodia (Pursat), Central and South Vietnam (Da Nang and Lam Dong).

Cyana quadripartita vieta Volynkin & Černý, 2018

(Figs 87, 168)

Cyana quadripartita vieta Volynkin & Černý, 2018, Zootaxa 4497 (1): 96-98, f. 21-24, 35, 36, 44, 46.
Cyana quadripartita vieta Volynkin & Černý: Volynkin, Černý 2019, Ecol. Montenegrina 21: 57 (note).

Wingspan. Male 32 mm.
Locality type. Vietnam – Vinh Phu.
Distribution in Laos. Xiangkhouang prov.
Geographical range: Vietnam (Lao Cai, Vinh Phu, Thua Thien Hue, Kon Tum, Lam Dong), Central Laos.

Cyana weerawoothi Lourens, 2017

(Fig. 88)

Cyana weerawoothi Lourens, 2017, Entomofauna, Band 38, Heft 12: 256-257, f. 16a, 16b, 16i, 16j.
Cyana weerawoothi Lourens: Volynkin, Černý 2019, Ecol. Montenegrina 21: 54 (note).

Wingspan. Female 38 mm.
Locality type. Thailand – Surin.
Distribution in Laos. Xiangkhouang prov.
Geographical range: Thailand (Surin), Vietnam, Cambodia, Central Laos.

Cyana distincta (Rothschild, 1912)

(Fig. 89)

Chionaema distincta Rothschild, 1912, Novit. Zool. 19 (2): 245.
Chionaema distincta Rothschild: Hampson 1914, Cat. Lep. Phal. Br. Mus (Suppl.) 1: 631, pl. 33, f. 24.
Chionaema distincta Rothschild: Draut 1914: in Seitz, Macrolep. World 10: 168.
Chionaema distincta Rothschild: Fang 1982, Icon. Het. Sin. 2: 203, fig. 1487.
Cyana distincta Rothschild: Fang 1992, Sinozoologia 9: 258.
Cyana distincta Rothschild: Fang 2000, Fauna Sin., Ins. 19, Lep, Arctiidae: 159, pl. 4, f. 10a, b.
Cyana distincta Rothschild: Cerny, Pinratana 2009, Moths of Thailand, vol.6: 43, pl. 7, f. 85a, 85b.
Cyana distincta Rothschild: Dubatolov, Kishida & Wang 2012, Tinea 22 (1): 47, f. 36.

Wingspan. Male 34 mm.
Type locality. Burma.
Distribution in Laos. Xiangkhouang prov.
Geographical range: Burma (=Myanmar), Thailand (Chiang Mai, Lampang), Vietnam, Central Laos, China (Fujian, Sichuan, Yunnan, Guangdong).

Cyana selangorica paeninsulana (Černý, 2009)

(Fig. 90)

Cyana paeninsulana Černý, 2009, Cerny, Pinratana 2009, Moths of Thailand, 6: 51, pl.10, f. 102a, 102b.
Cyana selangorica paeninsulana Černý: Singh, Volynkin, Kirti, Datta & Ivanova 2020, Zootaxa 4738 (1): 55, f.147–149, 229, 230, 284.

Wingspan. Male 28 mm.
Locality type. Thailand – Chumphon.
Distribution in Laos. Bolikhamsai prov.
Geographical range: North East India (Assam, Mizoram), South Myanmar (Tenasserim), South Thailand (Chumphon, Ranong, Nakhon Si Tammarat), Central Laos.

Cyana dohertyi mertsana Volynkin & Černý, 2019

(Fig. 91)

Cyana dohertyi mertsana Volynkin & Černý, 2019, Zootaxa 4658 (1): 160-161, f. 21–24, 35, 44.
Cyana dohertyi mertsana Volynkin & Černý: Singh, Volynkin, Kirti, Datta & Ivanova 2020, Zootaxa 4738 (1): 37 (note).

Wingspan. Male 35 mm, female 40 mm.
Locality type. Thailand – Chiang Mai.
Distribution in Laos. Xiangkhouang prov.
Geographical range: North Thailand (Chiang Mai, Nan), North Vietnam (Lao Cai), Central Laos.

Cyana artemis Volynkin & Černý, 2019

(Figs 92-93, 169-170)

Cyana artemis Volynkin & Černý, 2019, Zootaxa 4586 (2): 338-340, f. 1–4, 23, 24, 35.

Wingspan. Male 24-29 mm, female 33 mm.
Locality type. North Vietnam.
Distribution in Laos. Xiangkhouang prov., Luang Prabang prov.
Geographical range: SE China (Guangxi), West and North Thailand (Tak, Chiang Mai, Nan), Central and North Laos, North Vietnam (Hoa Binh, Lao Cai, Vinh Phuc).

Cyana intercomma Černý, 2009

(Figs 94, 171)

Cyana intercomma Černý, 2009, in Cerny, Pinratana 2009, Moths of Thailand, 6: 51, pl. 10, f. 104a, 104b, gen. 1: 104f, 104v.

Cyana intercomma Černý: Bayarsaikhan & Bae 2016, Zootaxa 4114 (4): 456, pl. 2, f. 14, pl. 4, f. 14.
Cyana intercomma Černý: Singh, Volynkin, Kirti, Datta & Ivanova 2020, Zootaxa 4738 (1): 34, 36, f. 93-95, 201, 202, 266.

Wingspan. Male 24-26 mm.
Locality type. Thailand – Ranong.
Distribution in Laos. Bolikhamsai prov.
Geographical range: North West India (Jammu & Kashmir), China (Yunnan), Thailand, Central Laos, Cambodia, Malay Peninsula.

Cyana gazella (Moore, 1872)

(Fig. 95)

Bizone gazella Moore, 1872, Proc. Zool. Soc. Lond. 1872 (2): 572, pl. 33, f. 4.
Bizone gazella Moore: Elves 1890, Zool. Soc. Lond. 1890: 399.
Chionaema gazella Moore: Hampson 1900, Cat. Lep. Phal. Br. Mus 2: 329.
Chionaema gazella Moore: Draut 1914: in Seitz, Macrolep. World 10: 175.
Cyana gazella Moore: Kishida 1993, Tinea13 (Suppl. 3): 39, pl. 41, f. 14.
Cyana gazella Moore: Cerny, Pinratana 2009, Moths of Thailand, vol. 6: 56, pl. 12, f. 113a, 113b.
Cyana gazella Moore: Sing, Sing & Joshi 2014, Rec. Zool. Survey India. Occ. Pap. 367: 31.
Cyana gazella Moore: Bae, Bayarsaikhan, Kimsun 2016, Biodiv. of Cambodia: tiger moths, 179, pl. 17, f. 134.
Cyana gazella Moore: Volynkin, Černý, Saldaitis & Ivanova 2019, Zootaxa 4658 (1): 156 (list).
Cyana gazella Moore: Singh, Volynkin, Kirti, Datta & Ivanova 2020, Zootaxa 4738 (1): 36, f. 96, 97, 203, 267.

Wingspan. Male 31-37 mm.
Locality type. NW Himalaya – Masuri.
Distribution in Laos. Xiangkhouang prov.
Geographical range: North and North East India (Jammu and Kashmir, Himachal Pradesh, Uttarakhand, Sikkim, North of West Bengal, Meghalaya, Assam), Nepal, China (Yunnan), North Thailand, North Vietnam, Central Laos.

Cyana gelida (Walker, 1854)

(Figs 96, 172)

Doliche gelida Walker, 1854, List. Het. Br. Mus. 2: 259.
Cyana gelida Walker: Hampson 1894, Moths of India, 2: 60.
Chionaema gelida Walker: Hampson 1900, Cat. Lep. Phal. Br. Mus 2: 329, pl. 27, f. 15.
Chionaema gelida Walker: Seitz 1910, Macrolep. World 2: 62, pl. 12c.
Chionaema gelida Walker: Fang 1987, in Forest Insects of Yunnan, p. 1042.
Cyana gelida Walker: Fang 1992, Sinozoologia 9: 255, 259.
Cyana gelida Walker: Kishida 1993, Tinea13 (Suppl. 3): 39, pl. 41, f. 13.
Cyana gelida Walker: Fang 2000, Fauna Sinica, Insecta vol.19: 169, pl. 4, f. 32.
Cyana gelida Walker: Cerny, Pinratana 2009, Moths of Thailand, vol. 6: 53, pl. 11, f. 108.

Cyana gelida Walker: SING, SING & JOSHI 2014, Rec. Zool. Survey India. Occ. Pap. 367: 31.
Cyana gelida Walker: BAYARSAIKHAN, BAE 2016, Zootaxa 4114 (4): 455, pl. 2, f. 12, pl. 4, f. 12.
Cyana gelida Walker: SINGH, VOLYNKIN, KIRTI, DATTA & IVANOVA 2020, Zootaxa 4738 (1): 27-28, f. 72-77, 193, 259.

Wingspan. Male 22 mm.
Locality type. Bangladesh or NE India, S Meghalaya – Masuri.
Distribution in Laos. Xiangkhouang prov.
Geographical range: North and Northeast India (Himachal Pradesh, Uttarakhand, Sikkim, North of West Bengal, Assam, Meghalaya, Nagaland, Arunachal Pradesh), Pakistan, Nepal, Bangladesh, China (Yunnan), Central Laos, Thailand, Vietnam, Cambodia.

Genus *Nephelomilta* Hampson, 1900
Type species: *Lyclene suffusa* Hampson, 1891 (India – Nilgiris)

***Nephelomilta klapperichi* (Daniel, 1952)**
(Figs 97, 173)

Chionaema klapperichi Daniel, 1952, Bonner zoologische Beiträge 3 (3–4): 314, pl. 2, f. 51.
Nephelomilta klapperichi Daniel: VOLYNKIN & ČERNÝ 2018, Zootaxa 4472 (3): 413, 414, pp. 34–39, 100, 101, 134.

Wingspan. Male 19 mm.
Locality type. China – Fujiang.
Distribution in Laos. Khammouan Prov., Houaphan prov.
Geographical range: Myanmar, Thailand, Central and North Laos, Northeast China (Fujian).

***Nephelomilta zdenkoi* Bucsek n. sp.**
(Figs 98, 174)

Holotype: ♂ LAOS, Xiang Khouang prov., Muang Moc (Muang Nga) village env., 1,490 m, 19°08'07.34"N, 103°29'28.19"E, 18.V.–8.VI. 2024, Leg. Karol Bucsek, SNM with a museum serial number SZ 11 265.
Paratype: 1 ♂, like holotype, CKB.

Wingspan. Male 22-23 mm.
Holotype. Male 22 mm, (habitually the species resambles other species of the genus *Nephelomilta*, according to the genitalia it is most similar *to Nephelomilta klapperichi* (Daniel, 1952)). Antennae filiform, head whitish, patagia whitish-grey, thorax whitish with orange transverse band, abdomen whitish, anal margin

whitish-pink. Forewings white with light red pattern, subbasal line irregular, raised in the middle, antemedial line from costa roughly halfway bent towards termen, lower part straighter, medial spot distinct, separated from antemedial and medial lines, medial line parallel from costa, in discal area bent towards anal margin of forewing, wavy. Discal spots almost touching, the spot near costa is smaller. Postmedial line bent towards termen, three submarginal spots bypassing postmedial line. Hindwings whitish pink, discal spot grey, pronounced, medial and antemedial areas faintly grey-spotted.

Male genitalia. Uncus narrow, long at the end with a sharp tip, valvae wide, sacculus wide, rounded at the end, longer than costa (in *N. klapperichi* the costa is slightly longer than sacculus). Costa with a pronounced medial costa angle (more pronounced than in *N. klapperichi*), ventral apical costal process small, rounded (position of ventral apical costal process in *N. klapperichi* is below costal apical process). Ventral costal plate ending in ampulla with a sharp tip, extending beyond saccular margin (in *N. klapperichi* the apex of ampulla is straight and does not extend beyond saccular margin). Aedeagus – sclerotized plate of carina more pronounced than in *N. klapperichi*, medial diverticulum formed by a larger number of cornuti than in *N. klapperichi*, distal diverticulum is more massive than in *N. klapperichi.*

Female. Unknown.

Similar species: *Nephelomilta klapperichi* (Daniel, 1952), see text.

Etymology. The species is named after my brother Zdenko.

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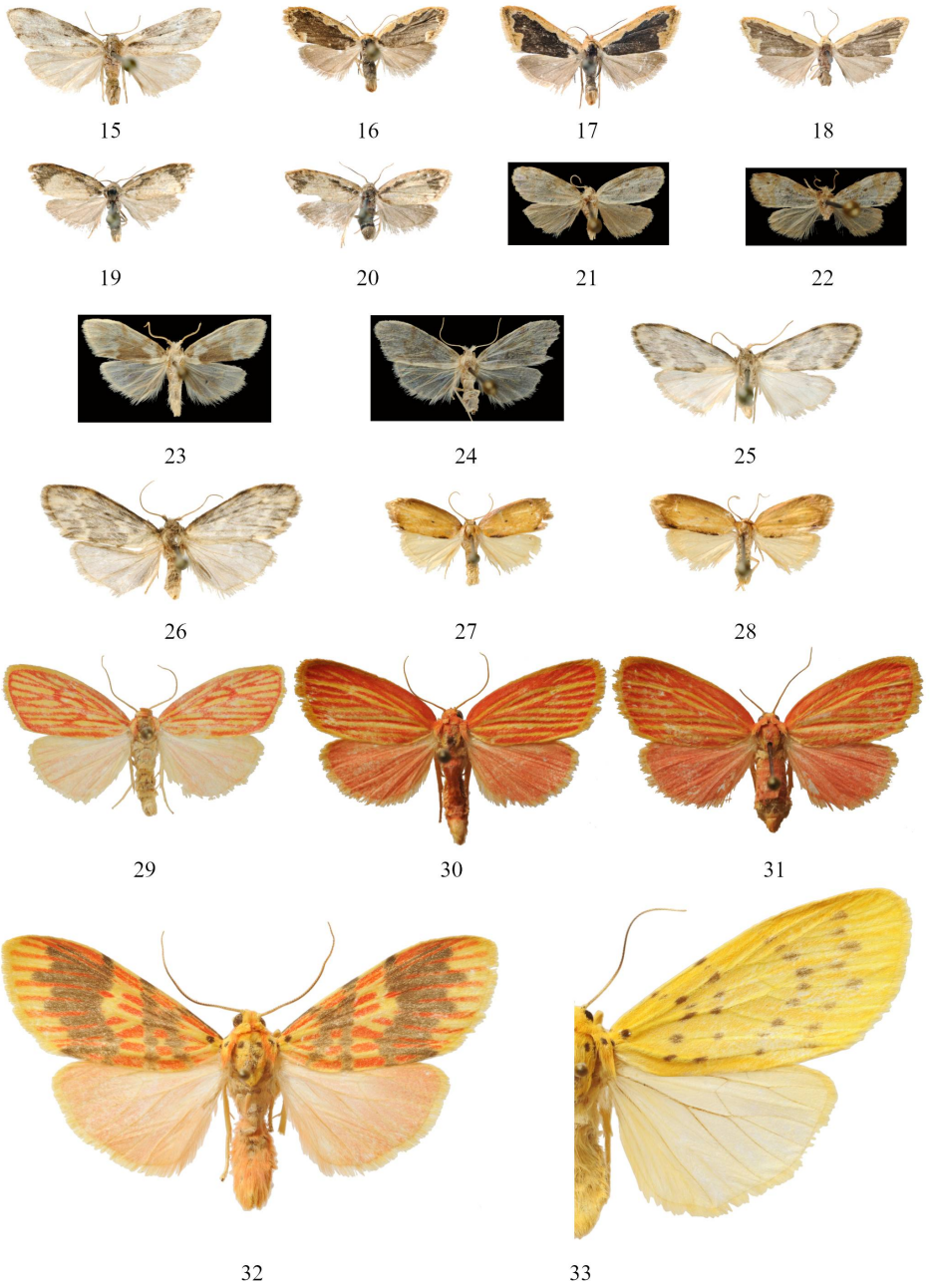
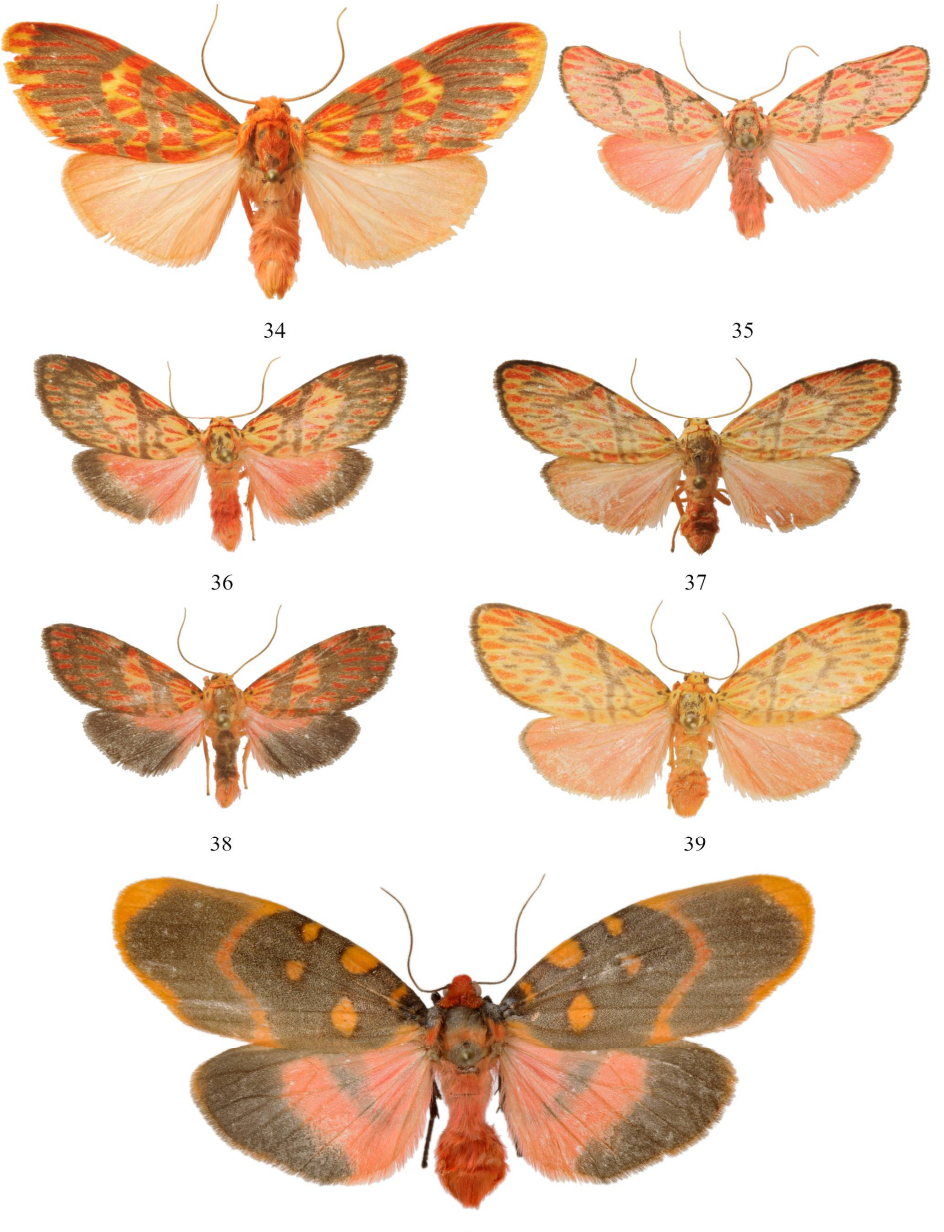
Figures 1-14. Adults. **1-4.** *Eugoa neptunus* **n. sp.**, **1.** ♂ HT, **2.** ♂ PT, **3-4.** ♀♀ PT. **5-6.** *Eugoa alexanderi* **n. sp.**, **5.** ♂ HT, **6.** ♀ PT. **7-8.** *Eugoa dubatolovi*, **7.** ♂, **8.** ♀. **9.** *Eugoa hainanensis*, ♀. **10-11.** *Eugoa albidipuncta* **n. sp.**, **10.** ♂ HT, **11.** ♀ PT. **12-13.** *Malesia eugoana*, **12.** ♂, **13.** ♀. **14.** *Meteugoa ochrivena*, ♂.

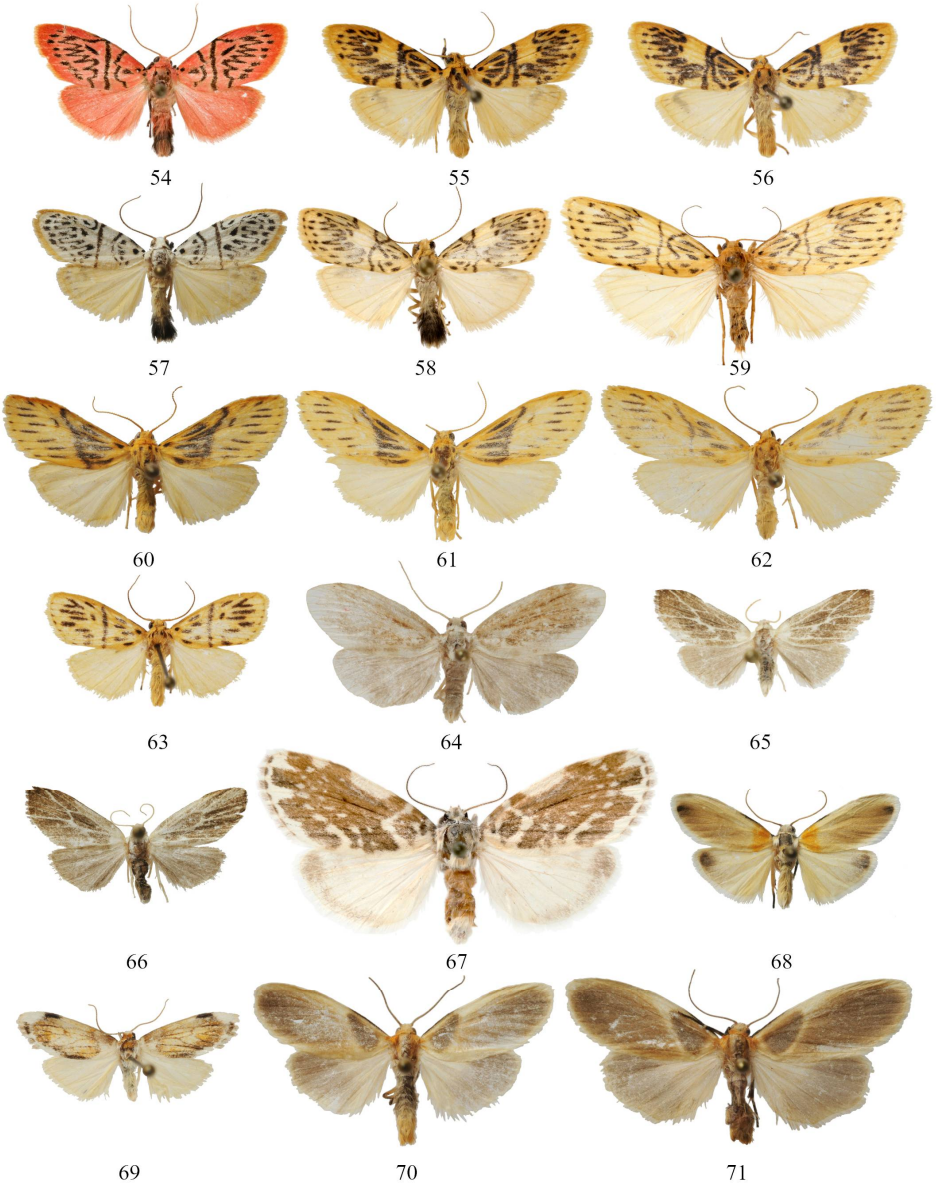


Figures 15-33. Adults. **15.** *Philenora mimetica,* ♀. **16.** *Diduga allodubatolovi,* ♂. **17-18.** *Diduga mucronata,* **17.** ♂, **18.** ♀. 19-20. *Diduga pallida* **n. sp.**, **19.** ♂ HT, **20.** ♀ PT. **21-22.** *Nudaria ochroleuca* **n. sp.**, **21.** ♂ HT, **22.** ♀ PT. **23-24.** *Nudaria fumidisca,* **23.** ♂, **24.** ♀. **25-26.** *Nudaria vernalis,* **25.** ♂, **26.** ♀. **27-28.** *Cyclosiella lumicuprea* **n. sp.**, **27.** ♂ HT, **28.** ♀ PT. **29.** *Planovalvata confusa,* ♂. **30-31.** *Stigmatophora roseivena,* **30.** ♂, **31.** ♀. **32-33.** *Barsine gratissima versicolor,* **32.** ♂, **33.** ♀.

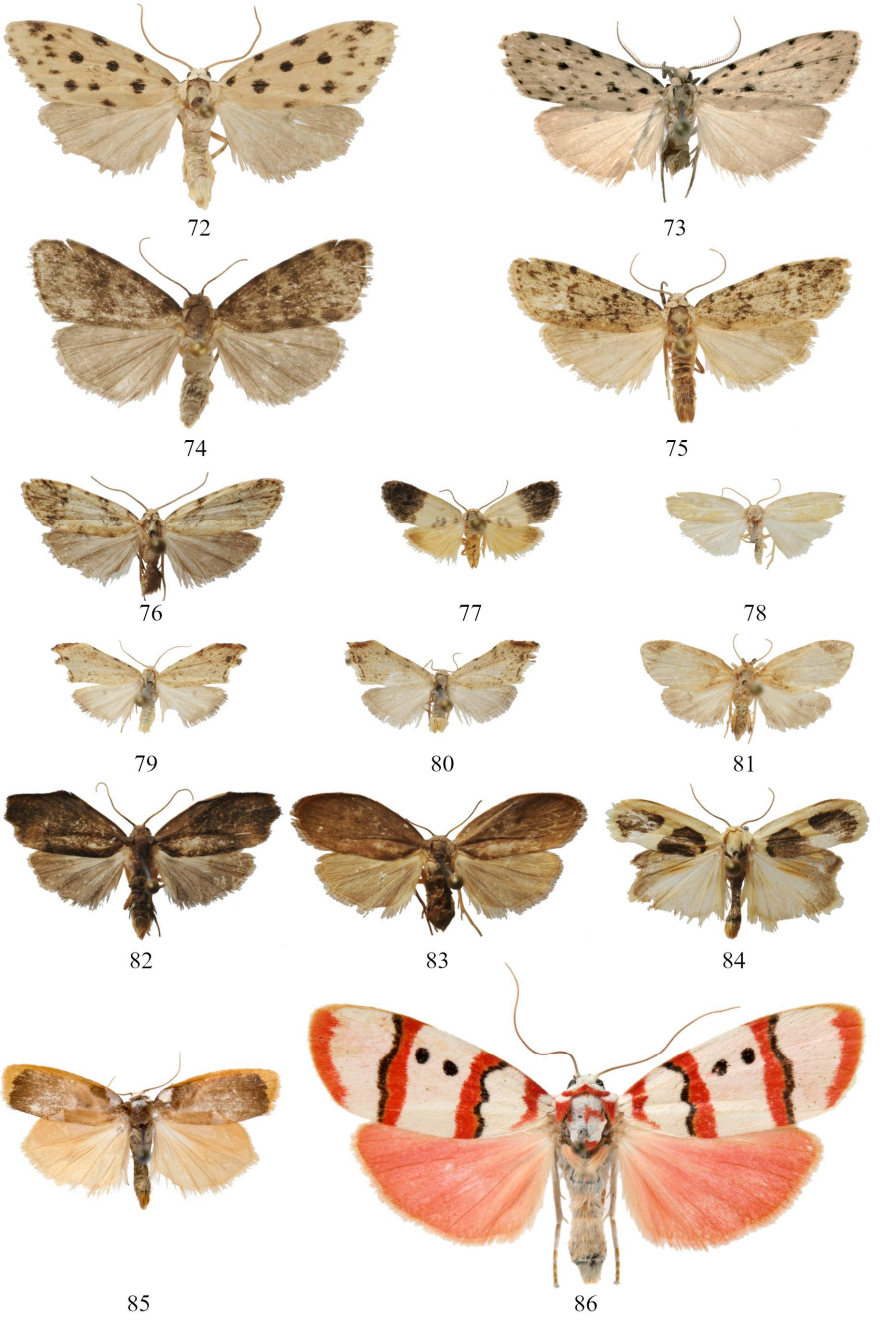


Figures 34-40. Adults. **34.** *Barsine flammealis*, ♂. **35.** *Barsine conicornutata*, ♂. **36-37.** *Barsine sieglindae*, **36.** ♂, **37.** ♀. **38-39.** *Barsine sieglindae coloraria*, **38.** ♂, **39.** ♀. **40.** *Barsine roseata augasta*, ♀.

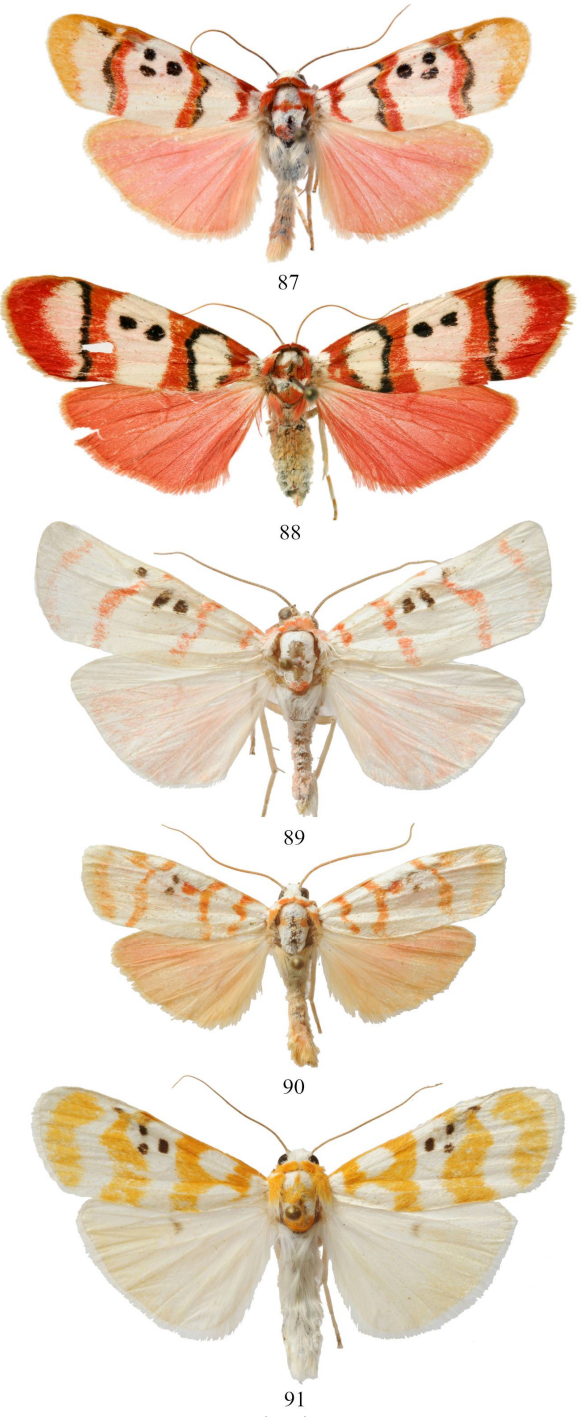
Figures 41-53. Adults. **41-42.** *Barsine izabela* **n. sp.**, **41.** ♂ HT, **42.** ♀ PT. **43.** *Cyme euprepioides*, ♂. **44-45.** *Sarbine hreblayi*, **44.** ♂, **45.** ♀. **46-47.** *Micrarsine y-nigrum*, **46.** ♂, **47.** ♀.**48.** *Delineatia inexpecta*, ♀. **49.** *Striatochrista speideli*, ♂. **50-51.** *Striatochrista eos*, **50.** ♂, **51.** ♀. **52-53.** *Asuridia caelestia* **n. sp.**, **52.** ♂ HT, **53.** ♂ PT.



Figures 54-71. Adults. **54.** *Aberrasine honbaensis* **n. comb.,** ♂. **55-56.** *Barsipennis consociara* **n. sp.**, **55.** ♂ HT, **56.** ♂ PT. **57.** *Miltochrista lyclenoides*, ♂. **58-59.** *Miltochrista megalytera*, **58.** ♂, **59.** ♀. **60-62.** *Miltochrista ehyrosta*, **60-61.** ♂♂, **62.** ♀. **63.** *Miltochrista quadrata,* ♂. **64.** *Cabardites varanagara,* ♂. **65-66.** *Adites thanhi,* **65.** ♂, **66.** ♀. **67.** *Pseudoadites frigida,* ♀. **68.** *Ovipennis sapa,* ♂. **69.** *Ovipennis milani,* ♂. **70-71**. *Idopterum ovale,* **70.** ♂, **71.** ♀.

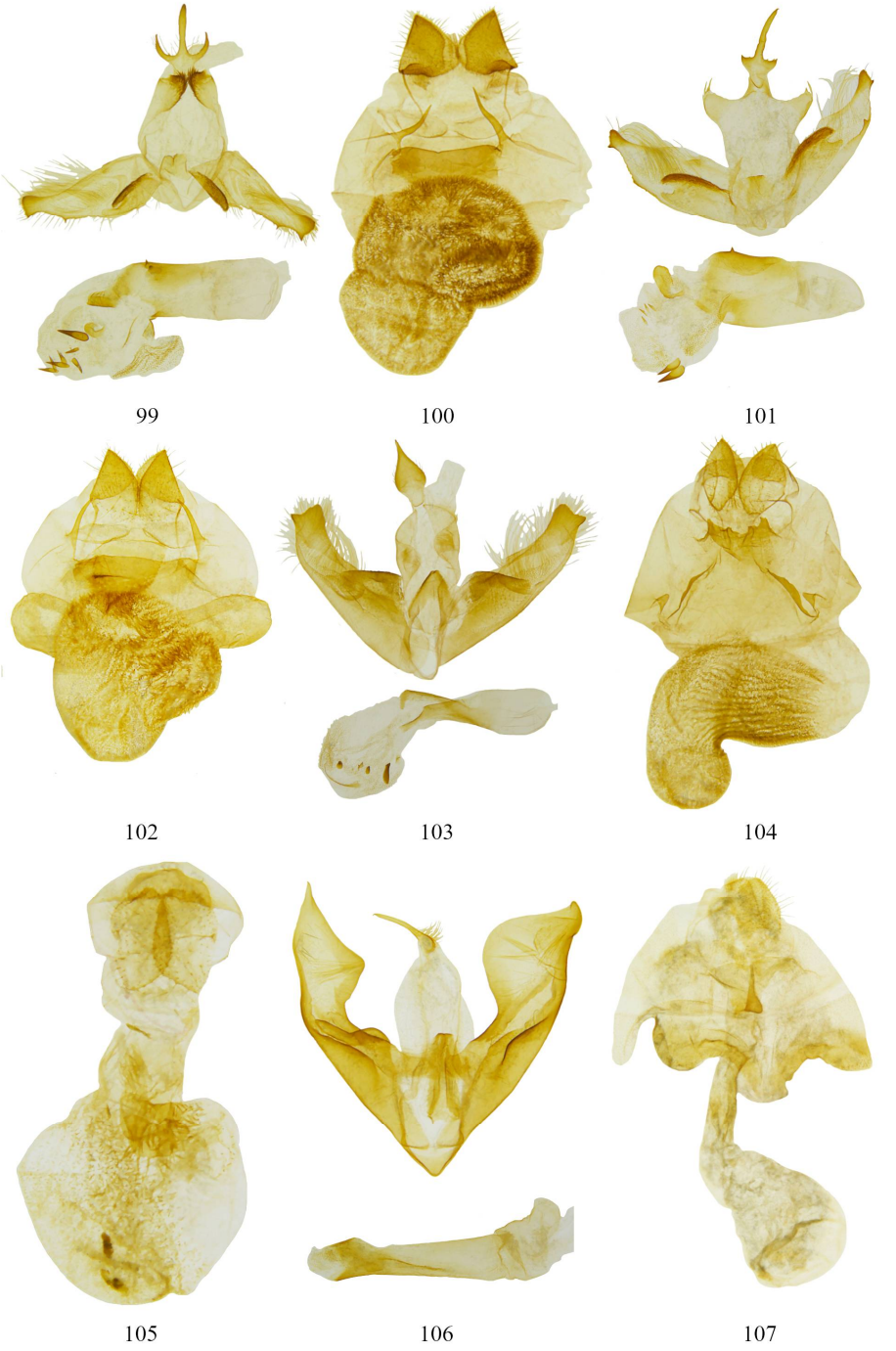


Figures 72-86. Adults. **72.** *Siccia angusta*, ♂. **73.** *Siccia punctata*, ♂. **74.** *Siccia nocturna*, ♂. **75.** *Siccia bicornuata*, ♂. **76.** *Halone oblimarea*, ♀. **77.** *Neoduma konglora* **n. sp.**, ♂ HT. **78.** *Tospitis variabilis*, ♀. **79-80.** *Oxacme scopa* **n. sp.**, **79.** ♂ HT, **80.** ♀ PT. **81.** *Utriculofera fuscapex*, ♂. **82-83.** *Macaduma chenglaiae*, **82.** ♂, **83.** ♀. **84.** *Garudinia biplagiata*, ♂. **85.** *Lobobasis niveimaculata*, ♂. **86.** *Cyana indosinica*, ♀.

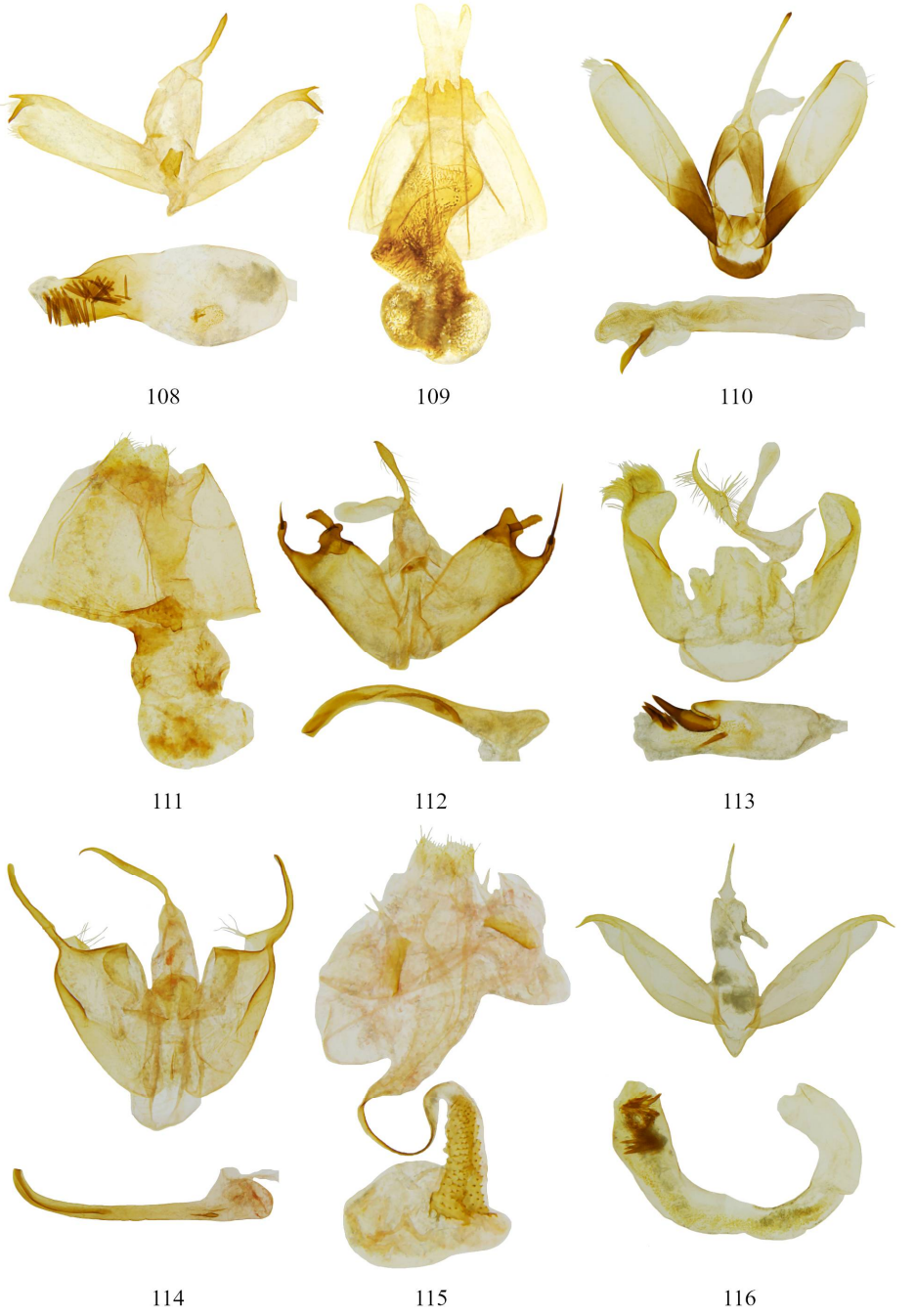


Figures 87-91. Adults. **87.** *Cyana quadripartita vieta*, ♂. **88.** *Cyana weerawoothi*, ♀. **89.** *Cyana distincta*, ♂. **90.** *Cyana selangorica paeninsulana*, ♂. **91.** *Cyana dohertyi mertsana*, ♂.

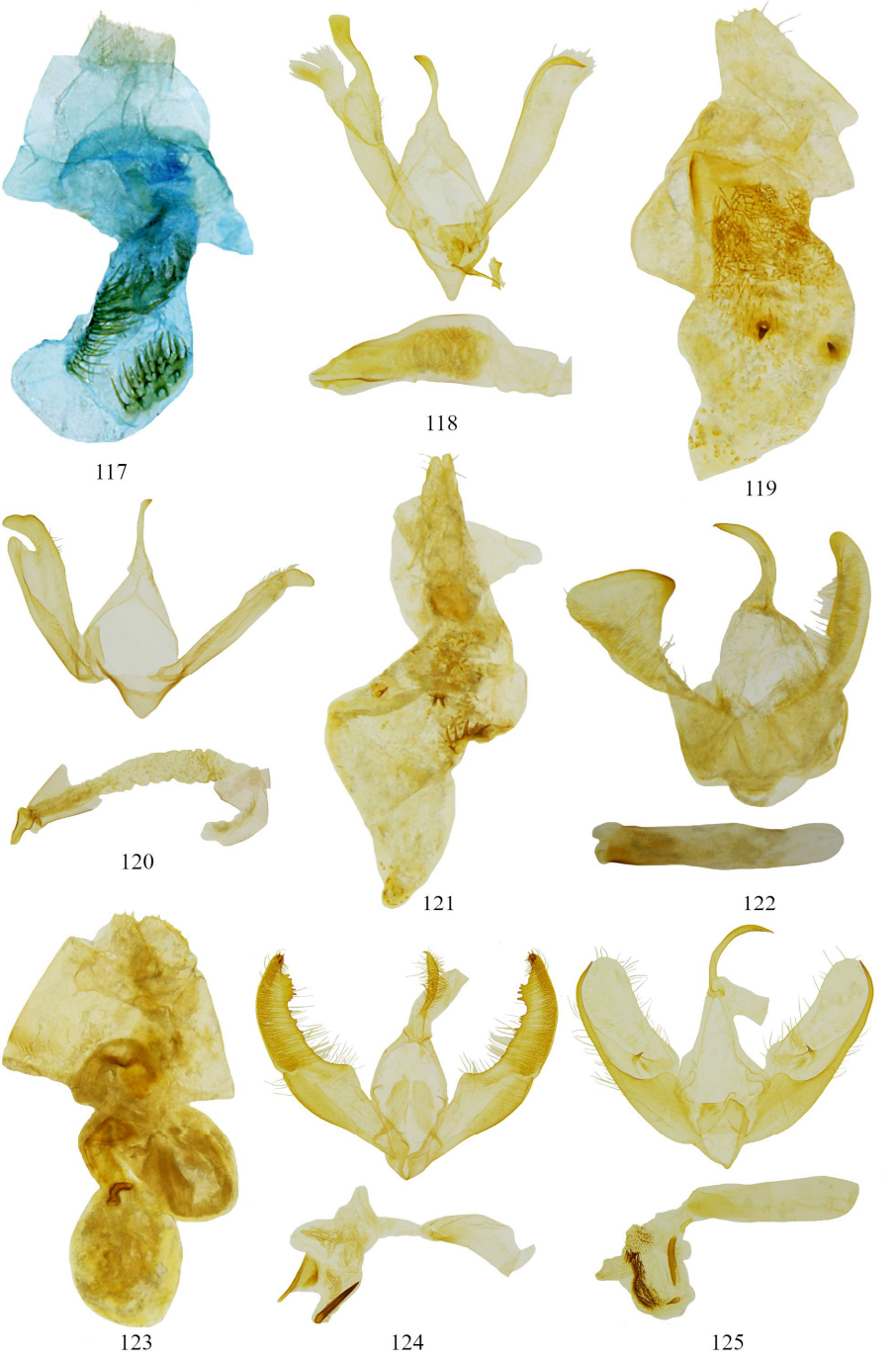
Figures 92-98. Adults. **92-93.** *Cyana artemis*, **92.** ♂, **93.** ♀. **94.** *Cyana intercomma*, ♂. **95.** *Cyana gazella*, ♂. **96.** *Cyana gelida*, ♂. **97.** *Nephelomilta klapperichi*, ♂. **98.** *Nephelomilta zdenkoi* **n. sp.**, ♂ HT.



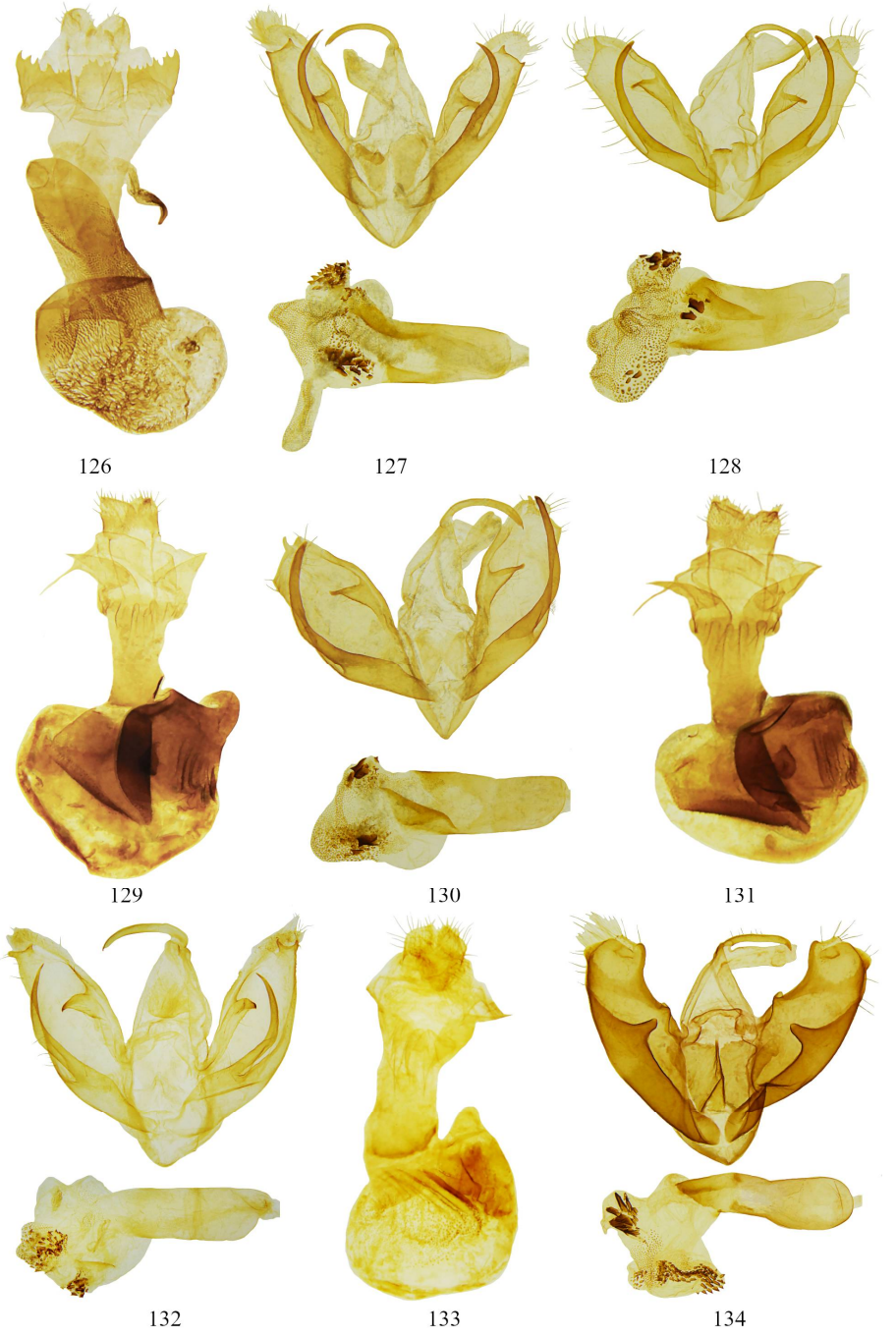
Figures 99-107. Genitalia. **99-100.** *Eugoa neptunus* **n. sp.**, **99.** ♂ HT, **100.** ♀ PT. **101-102.** *Eugoa alexanderi* **n. sp.**, **101.** ♂ HT, **102.** ♀ PT. **103-104.** *Eugoa dubatolovi,* **103.** ♂, **104.** ♀. **105.** *Eugoa hainanensis,* ♀. **106-107.** *Eugoa albidipuncta* **n. sp.**, **106.** ♂ HT, **107.** ♀ PT.



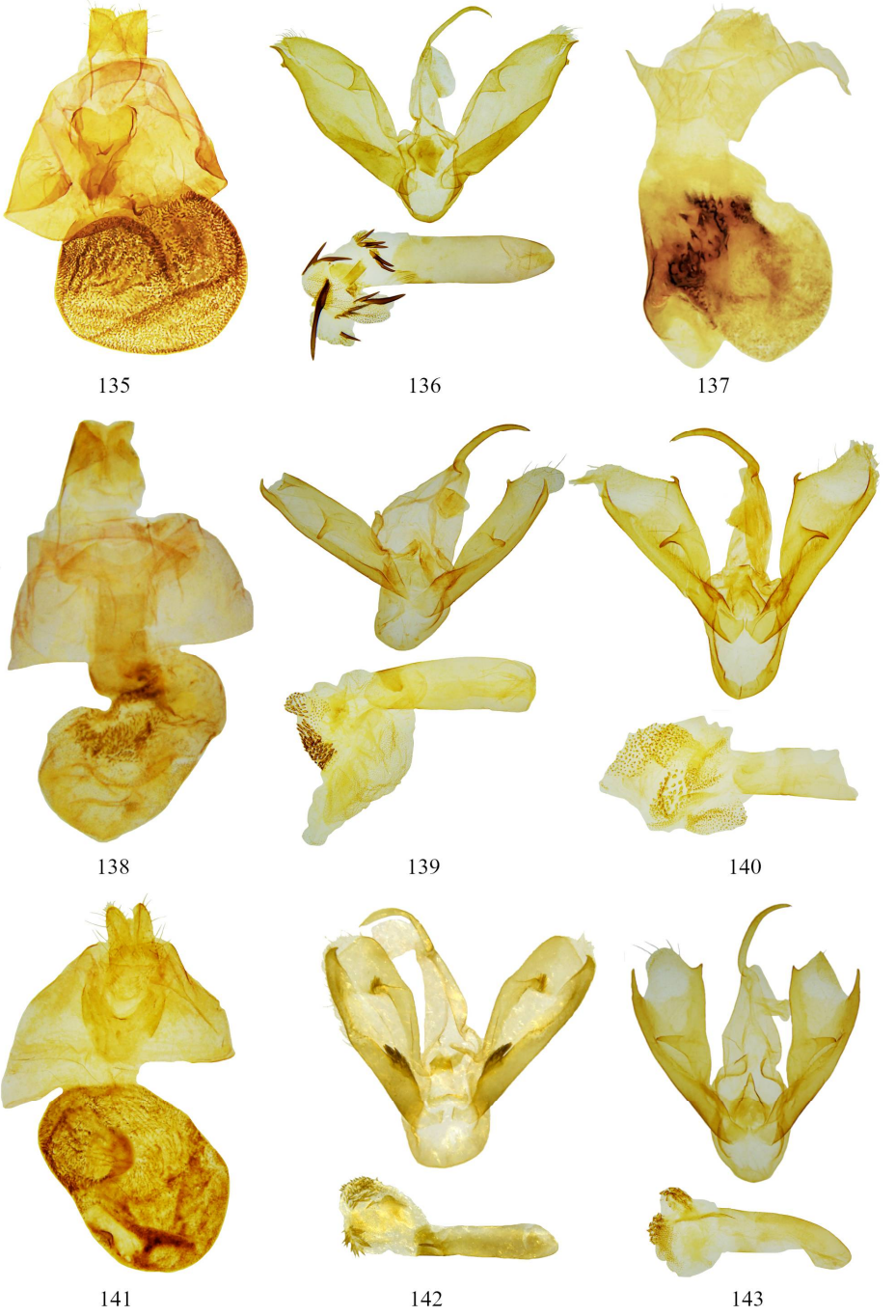
Figures 108-116. Genitalia. **108-109.** *Malesia eugoana,* **108.** ♂, **109**. ♀. **110.** *Meteugoa ochrivena,* ♂. **111.** *Philenora mimetica,* ♀. **112.** *Diduga allodubatolovi,* ♂. **113.** *Diduga mucronata,* ♂. **114-115.** *Diduga pallida* **n. sp.**, **114.** ♂ HT, **115.** ♀ PT. **116.** *Nudaria ochroleuca* **n. sp.**, ♂ HT.



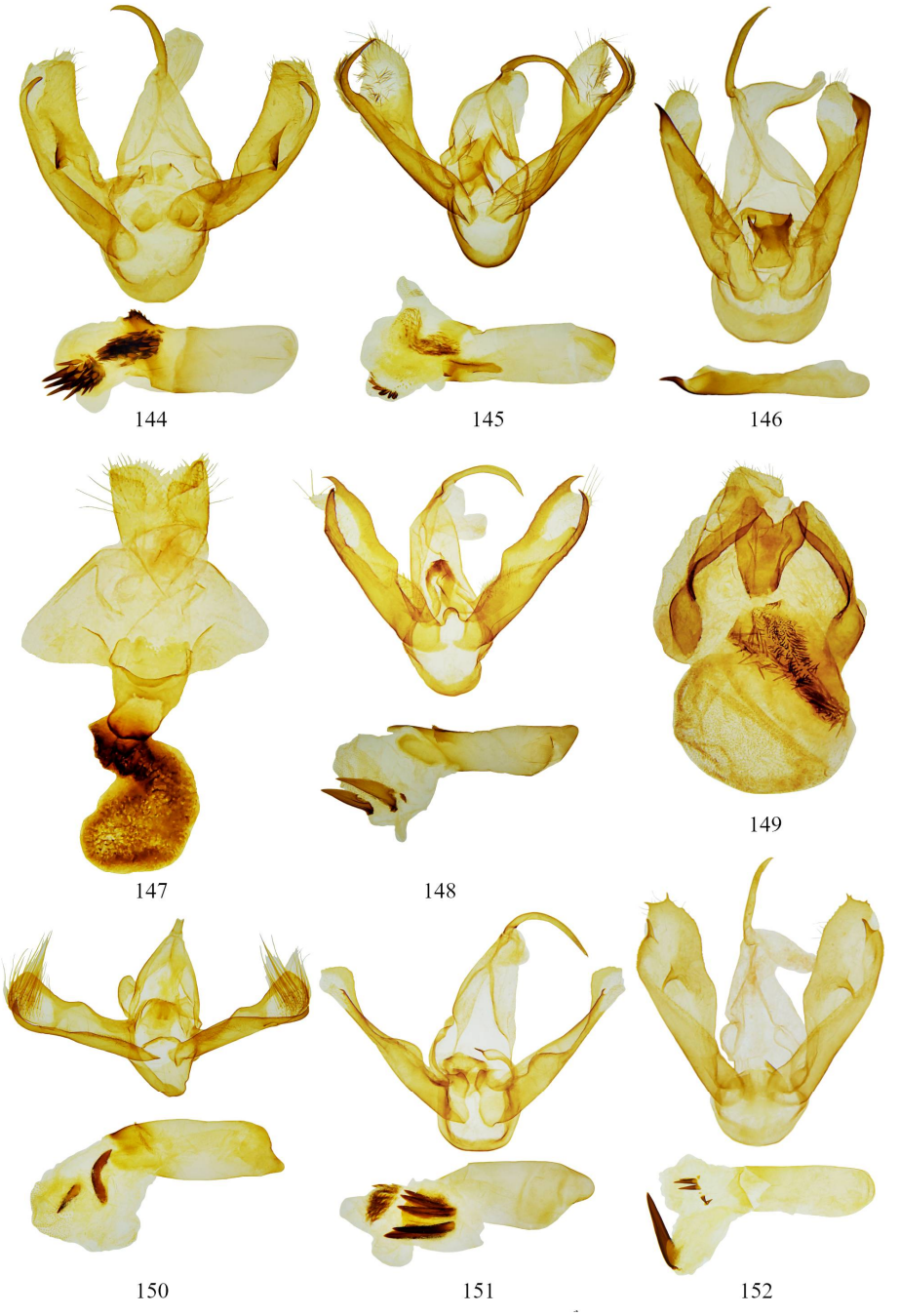
Figures 117-125. Genitalia. **117.** *Nudaria ochroleuca* **n. sp.**, ♀ PT. **118-119.** *Nudaria fumidisca,* **118.** ♂, **119.** ♀. **120-121.** *Nudaria vernalis,* **120.** ♂, **121.** ♀. **122-123.** *Cyclosiella lumicuprea* **n. sp.**, **122.** ♂ HT, **123.** ♀ PT. **124.** *Planovalvata confusa,* ♂. **125.** *Stigmatophora roseivena,* ♂.



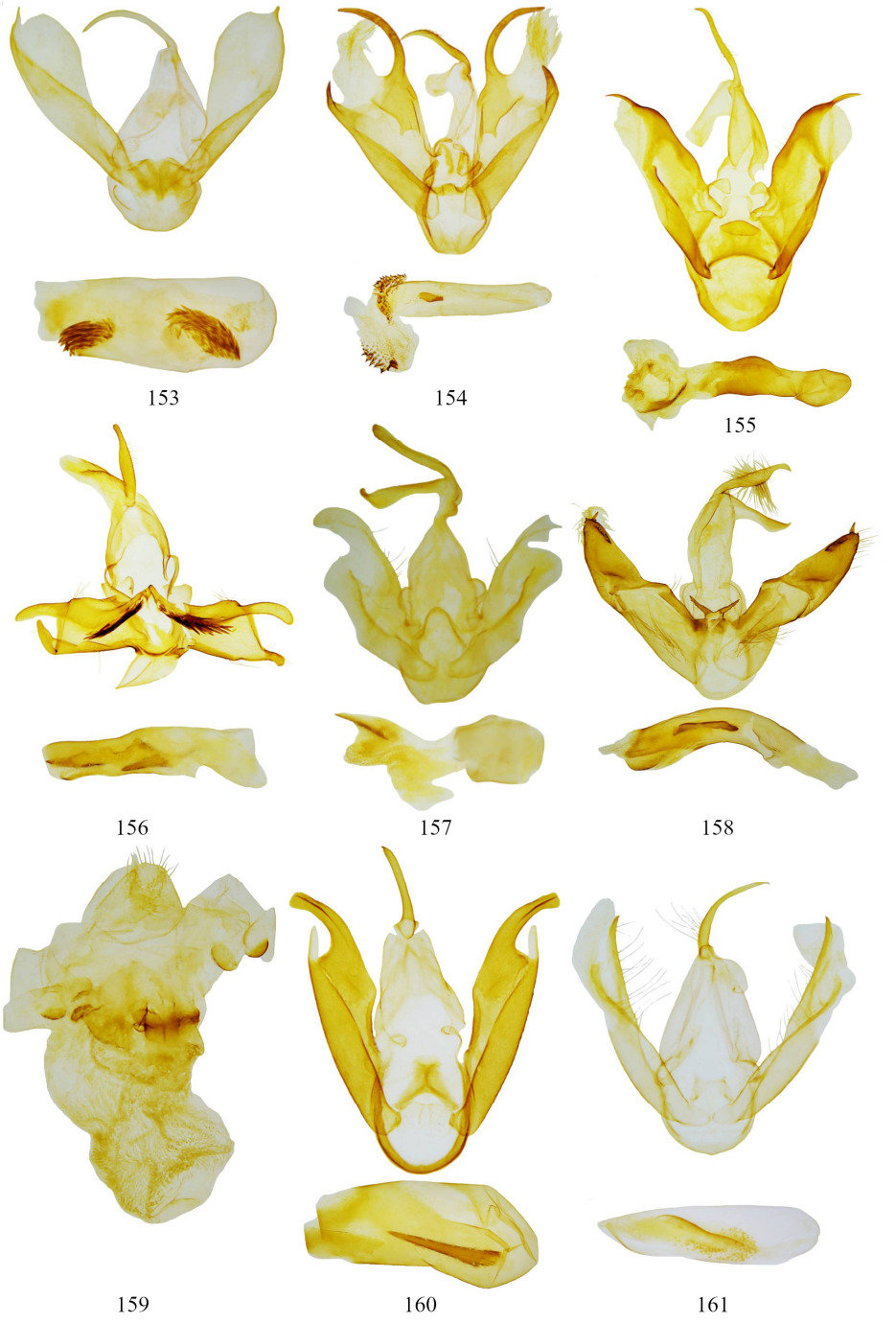
Figures 126-134. Genitalia. **126.** *Stigmatophora roseivena,* ♀. **127.** *Barsine conicornutata,* ♂. **128-129.** *Barsine sieglindae*, **128.** ♂, **129.** ♀. **130-131.** *Barsine sieglindae coloraria,* **130.** ♂, **131.** ♀. **132-133.** *Barsine izabela* **n. sp.**, **132.** ♂ HT, **133.** ♀ PT. **134.** *Sarbine hreblayi,* ♂.



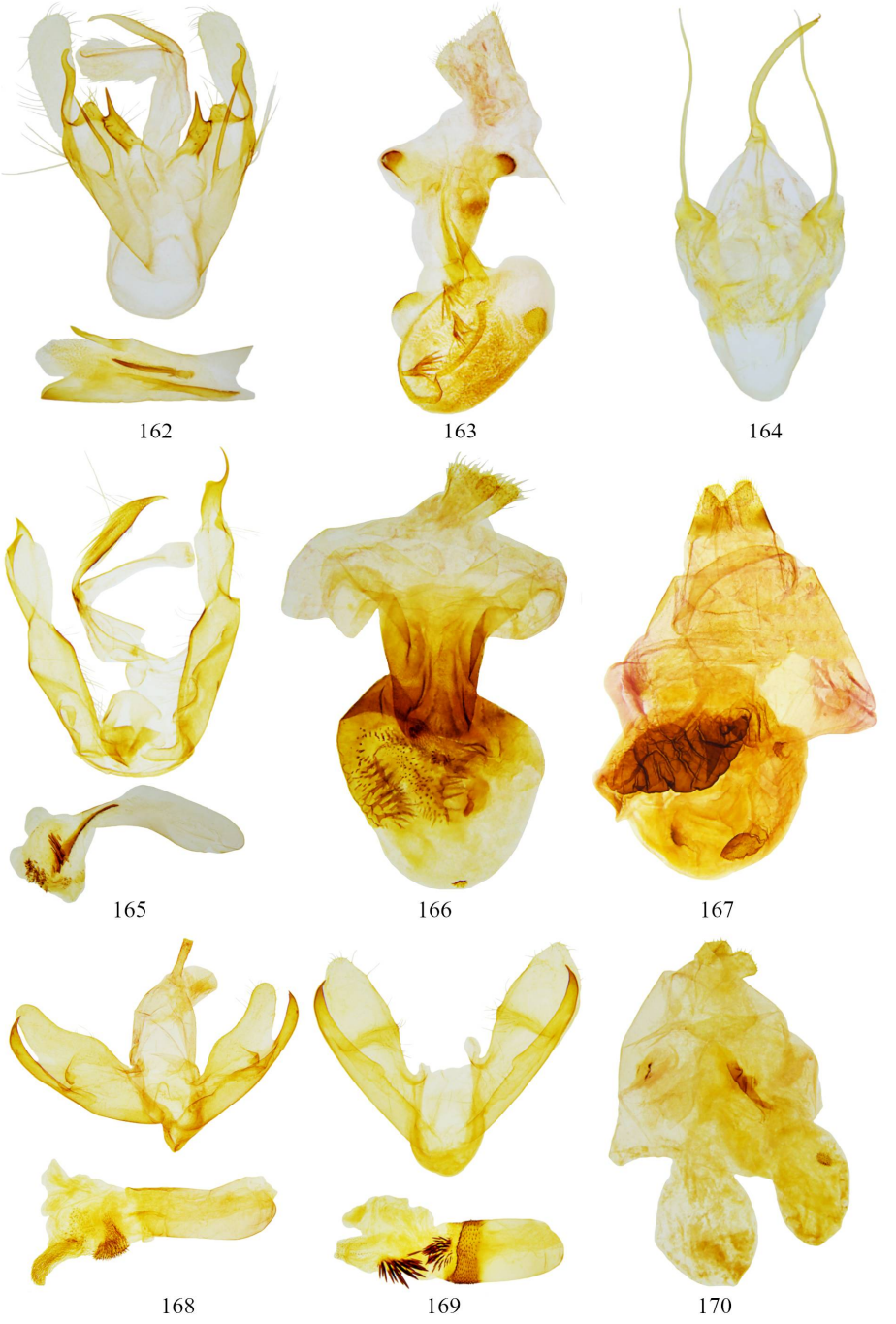
Figures 135-143. Genitalia. **135.** *Sarbine hreblayi*, ♀. **136-137.** *Micrarsine y-nigrum*, **136.** ♂, **137.** ♀. **138.** *Delineatia inexpecta*, ♀. **139.** *Striatochrista speideli*, ♂. **140-141.** *Striatochrista eos*, **140.** ♂, **141.** ♀. **142.** *Asuridia caelestia* **n. sp.**, ♂ HT. **143.** *Aberrasine honbaensis*, ♂.



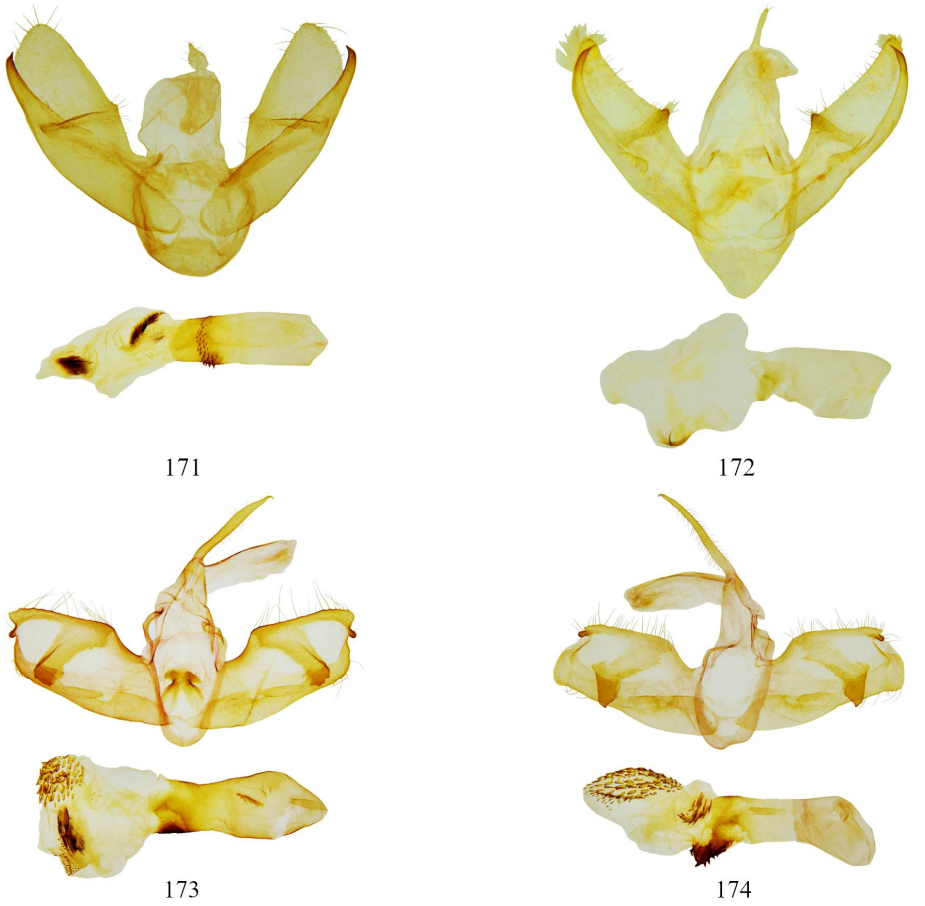
Figures 144-152. Genitalia. **144.** *Barsipennis consociara* **n. sp.**, ♂ HT. **145.** *Miltochrista lyclenoides*, ♂. **146-147.** *Miltochrista megalytera*, **146.** ♂, **147.** ♀. **148-149.** *Miltochrista ehyrosta*, **148.** ♂, **149.** ♀. **150.** *Miltochrista quadrata*, ♂. **151.** *Cabardites varanagara*, ♂. **152.** *Ovipennis sapa*, ♂.



Figures 153-161. Genitalia. **153.** *Ovipennis milani*, ♂. **154.** *Idopterum ovale*, ♂. **155.** *Siccia angusta*, ♂. **156.** *Siccia punctata*, ♂. **157.** *Siccia nocturna*, ♂. **158.** *Siccia bicornuata*, ♂. **159.** *Halone oblimarea*, ♀. **160.** *Neoduma konglora* **n. sp.**, ♂ HT. **161.** *Tospitis variabilis*, ♂



Figures 162-170. Genitalia. **162-163.** *Oxacme scopa* **n. sp.**, **162.** ♂ HT, **163.** ♀ PT. **164.** *Utriculofera fuscapex,* ♂. **165-166.** *Macaduma chenglaiae,* **165.** ♂, **166.** ♀. **167.** *Cyana indosinica,* ♀. **168.** *Cyana quadripartita vieta,* ♂. **169-170.** *Cyana artemis,* **169.** ♂, **170.** ♀.



Figures 171-174. Genitalia. **171.** *Cyana intercomma,* ♂. **172.** *Cyana gelida,* ♂. **173.** *Nephelomilta klapperichi,* ♂. **174.** *Nephelomilta zdenkoi* **n. sp.**, ♂ HT.

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