

**NEW AND RARE SPECIES OF LEPIDOPTERA IN LITHUANIA,  
REPORT OF 2023**POVILAS IVINSKIS<sup>1</sup>, JOLANTA RIMŠAITĖ<sup>2</sup><sup>1</sup>Nature Research centre, Akademijos 2, Vilnius Lithuania, E-mail: entlab@gmail.com,<sup>2</sup>V. Druskio 1, Vilnius, Lithuania**Introduction**

New data on Lepidoptera found during the research in 2022–2023 in Lithuania is presented. A new faunistic data and data on four species new for Lithuanian fauna, some rare species and species included in Red data book are presented in this paper.

**Material and Methods**

The main data was collected during field investigations in 2022–2023 by the authors and one report about *Klimeschiopsis kinkerella* presented by Rytis Skominas. Various entomological methods were used for collecting the specimens: light trapping with a screen (160W mixed light lamp), automatic traps with 300W solar-type lamps and headlamp "Lumonite", plant mine collecting, sweeping with nets. The material was identified using identification guides: Bengtsson *et al.* (2008), Bengtsson & Johansson (2011), Aarvik *et al.* (2009). Data on distribution and faunistics follows Aarvik *et al.* (2017, 2021), Ivinskis & Rimšaitė (2018). Taxonomical treatment and distribution follows the Fauna Europaea database (Karsholt & Nieukerken, 2013) and Aarvik *et al.* (2017). The specimens are deposited in the authors collection. Species new to Lithuanian fauna are marked in the text with an asterisk (\*).

## List of localities

Locality	Administrative district	Coordinates (LAT, LONG)
Antakalnis	Vilnius mun.	54.72039, 25.31644
Biržija meadow	Švenčionys distr.	55.27207, 26.14871
Būtingė	Palanga mun.	56.05954, 21.06995
Dukstynos Miškas f.	Ukmergė distr.	55.27957, 24.85081
Gvazdikai	Vilnius mun.	54.74997, 25.37807
Gojaus Miškas f.	Prienai distr.	54.56157, 24.28477
Kalniškės	Vilnius distr.	54.84681, 25.17739
Karoliniškės	Vilnius mun.	54.68465, 25.20498
Kairėnai, VU Botanic garden	Vilnius mun.	54.73421, 25.40195
Lampėdžiai	Kaunas mun.	54.91114, 23.83262
Kretuonas lake meadow	Švenčionys distr.	55.25701, 26.10236
Lazdynai	Vilnius mun.	54.66947, 25.20948
Margis gravel pit	Trakai distr.	54.60776, 24.76164
Merkinė	Varėna distr.	54.15019, 24.16112
Perloja	Varėna distr.	54.20778, 24.37556

Raguvos Miškas f.	Panevėžys distr.	55.57977, 24.55451
Rūdninkai military area	Šalčininkai distr.	54.37008, 25.09597
Rudžiai	Raseiniai distr.	55.29109, 23.01035
Šnipelių Miškas f.	Kaišiadoriai distr.	54.66985, 24.36791
Žuvintas biosph. reserve	Alytus distr.	54.43551, 23.58887
Žvėrynas	Vilnius mun.	54.68973, 25.24497

## PRODOXIDAE

***Lampronia flavimitrella* (Hübner, 1817)**

Šnipelių Miškas f., 08 06 2023, 1 spec.

## ADELIDAE

**\**Adela violella* (Denis & Schiffermüller, 1775)**

Gojus, 30 05 2004, 1 spec. (M. Kozlov det.) (Fig. 1)

## TISCHERIIDAE

***Tischeria dodenea* Stainton, 1858**

Gvazdikai, 10 2023, numerous mines on *Quercus robur* trees; Kalniškės, 10 2023, single mines on *Quercus robur*.

## GRACILLARIIDAE

***Acrocercops brongniardella* (Schleich, 1867)**

Gvazdikai, 08 2023, 3 leaves with mines; Šnipelių Miškas f. 16 06 2023, 2 leaves with mines, 07 07 2023, 3 leaves with mines. All mines on *Quercus robur*.

***Parectopa ononidis* (Zeller, 1839)**

Raguvos Miškas f., 17 08 2023, 2 spec.

## ARGYRESTHIIDAE

***Argyresthia curvella* (Linnaeus, 1761)**

Gvazdikai, 02 07 2023, 1 spec.

**\**Argyresthia thuiella* (Packard, 1871)**

Kalniškės, 01–09 07 2023, 10 spec. on Thuja trees (Fig. 2)

***Argyresthia trifasciata* (Staudinger, 1871) (Fig.1)**

Kalniškės, 25 05 2023, 5 spec. on *Chamaecyparis*.

## PLUTELLIDAE

***Rhigognostis hufnagelii* (Zeller, 1839)**

Kalniškės, 06 08 2023, 1 spec., 18 08 2023, 1 spec.; Raguvos Miškas f., 17 08 2023, 1 spec.

## GLYPHIPTERYGIDAE

***Orthotelia sparganella* (Thunberg, 1788)**

Kalniškės, 06 08 2023, 1 spec.

## TORTRICIDAE

***Olindia schumacheriana* (Fabricius, 1787)**

Šnipelių Miškas f., 27 06 2023, 1 spec.

***Pandemis dumetana* (Treitschke, 1835)**

Kalniškės, 09 07 2023, 1 spec., 12 07 2023, 1 spec., 19 07 2023, 4 spec., 23 07 2023, 2 spec.; Rūdninkai, 15 07 2023, 1 spec.

***Dichelia histrionana* (Frölich, 1828)**

Gvazdikai, 24 08 2023, 1 spec., 27 08 2023, 1 spec.; Kalniškės, 18 08 2023, 1 spec.

***Spatalistis bifasciana* (Hübner, 1787)**

Šnipelių Miškas f., 16 06 2023, 1 spec.

***Acleris rhombana* (Denis & Schiffermüller, 1775)**

Kalniškės, 21 09 2023, 1 spec.

***Acleris umbrana* (Hübner, 1799)**

Gvazdikai, 13 09 2023, 1 spec.

***Hedya dimidiana* (Clerck, 1759)**

Dukstynos Miškas f., 20 06 2023, 1 spec.

***Epinotia cruciata* (Linnaeus, 1761)**

Kalniškės, 08 07 2023, 1 spec.

***Eucosma messingiana* (Fischervon Röslerstamm, 1837)**

Šnipelių Miškas f., 16 06 2023, 1 spec.

***Cydia pactolana* (Zeller, 1840)**

Šnipelių Miškas f., 16 06 2023, 3 spec.

LIMACODIDAE

***Heterogenea asella* (Denis & Schiffermüller, 1775)**

Gvazdikai., 01 07 2023, 1 spec.; Šnipelių Miškas f., 16 06 2023, 1 spec.

***Apoda limacodes* (Hufnagel, 1766)**

Būtingė, 12 07 2023, 1 spec.; Gvazdikai, 27 06 2023, 1 spec., 13 07 2023; Dukstynos Miškas f., 20 06 2023, 1 spec.; Kalniškės 24 06 2023, 1 spec., 29 06 2023, 1 spec., 16 07 2023, 1 spec.

COSSIDAE

***Cossus cossus* (Linnaeus, 1758)**

Kalniškės, 05 06 2023, 1 spec.

AUTOSTICHIDAE

***Oegoconia deauratella* (Herrich-Schäffer, 1854)**

Gvazdikai, 06 07 2023, 2 spec., 14 07 2023, 1 spec.; Kalniškės, 09 07 2023, 2 spec.; Rūdninkai, 15 07 2023, 2 spec.; Šnipelių Miškas f., 25 07 2023, 1 spec.

DEPRESSARIIDAE

***Orophia ferrugella* (Denis & Schiffermüller, 1775)**

Gvazdikai, 10 07 2023, 1 spec.

GELECHIIDAE

***Gelechia jakovlevi* Krulikovsky, 1905**

Gvazdikai, 15 07 2023, 1 spec.

**\**Gelechia sabinellus* (Zeller, 1839)**

Gvazdikai, 22 07 2022, 1 spec., 30 08 2023, 1 spec. (Fig. 3).

**\**Klimeschiopsis kiningerella* (Duponchel, 1843)**

Lampėdžiai, 14 06 2021, meadow, 1 spec. (Picture by R. Skominas) (Fig. 4).

***Coleotechnites piceaella* (Kearfot, 1903)**

Antakalnis, 10 2023, Thuja trees strongly damaged; Kairėnai, 27 08 2023 numerous branches of Thuja plant damaged; Kalniškės, 01–15 07 2023 abundant, moths flying around Thuja trees; Žvėrynas, 05–06 2023, many Thuja trees damaged.

COLEOPHORIDAE

***Coleophora saponariella* Heeger, 1848**

Dukstynos Miškas f., 15 08 2023, abundant mines on *Sapponaria*.

## PTEROPHORIDAE

***Cnaemidophorus rhododactyla* (Denis & Schiffermüller, 1775)**

Kalniškės, 16 07 2023, 1 spec., 19 07 2023, 1 spec.

## NYMPHALIDAE

***Nymphalis xanthomelas* (Esper, 1781)**

Kalniškės, 23 04 2023, 1 spec.

***Melitaea diamina* (Lang, 1789)**

Biržija meadow, 28 06 2023, 5 spec.

***Coenonympha tullia* (Müller, 1764)**

Kretuonas lake meadow, 28 06 2023, 1 spec.

***Melanargia galathea* (Linnaeus, 1758)**

Šnipelių Miškas f., 04 07 2023, 2 spec.

***Lasiommata megera* (Linnaeus, 1767)**

Kalniškės, 23 09 2023, 1 spec.

## LYCAENIDAE

***Satyrium w-album* (Knoch, 1782)**

Rudžiai, 12 07 2023, 1 spec.

***Eumedonia eumedon* (Esper, 1780)**

Rudžiai, 12 07 2023, 2 spec.

***Lysandra coridon* (Poda, 1761)**

Merkinė, 16 07 2023, 2 spec.

***Lycaena dispar* (Haworth, 1802)**

Kalniškės, 30 06 2022, 1 spec.; Šnipelių Miškas f., 13 08 2023, 3 males; Žuvintas lake meadow, 29 06 2023, 1 female.

## PYRALIDAE

***Galleria mellonella* (Linnaeus, 1758)**

Gvazdikai, 05 07 2023, 1 spec., 29 08 2023, 1 spec., 29 09 2023, 1 spec.; Raguvos Miškas f., 17 08 2023, 3 spec.

***Achroia grisella* (Fabricius, 1794)**

Dukstynos Miškas f., 15 08 2023, 1 spec.; Gvazdikai, 05 07 2023, 1 spec., 24 08 2023, 1 spec., 26 08 2023, 1 spec., 30 08 2023, 1 spec.

***Phycita roborella* (Denis & Schiffermüller, 1775)**

Gvazdikai, 09 07 2023, 1 spec.

***Nephterix angustella* (Hübner, 1796)**

Dukstynos Miškas f., 15 08 2023, 14 spec.; Gvazdikai, 14 07 2023, 1 spec., 23 08 2023, 1 spec., 24 08 2023, 1 spec., 27 08 2023, 1 spec., 01–02 09 2023, 1 spec., 08–09 09 2023, 1 spec., 10 09 2023, 1 spec.; Kalniškės, 13 08 2023, 2 spec., 14 08 2023, 1 spec.

***Elegia similella* (Zincken, 1818)**

Šnipelių Miškas f., 16 06 2023, 1 spec.

## CRAMBIDAE

***Loxostege sticticalis* (Linnaeus, 1761)**

Dukstynos Miškas f., 15 08 2023, 3 spec., 22 09 2023, 1 spec.; Kalniškės, 16 08 2023, 3 spec., 11 09 2023, 1 spec., 13 09 2023, 1 spec., 18 09 2023, 1 spec.; Perloja, 19 08 2023, 1 spec.; Raguvos Miškas f., 17 08 2023, 2 spec.

***Nascia ciliaris* (Hübner, 1796)**

Dukstynos Miškas f., 20 06 2023, 2 spec.; Šnipelių Miškas f., 08 06 2023, 1 spec., 16

06 2023, 1 spec.

***Sclerocona acutella* (Eversmann, 1852)**

Gvazdikai, 06 07 2023, 1 spec.; Dukstynos Miškas f., 20 06 2023, 4 spec.; Kalniškės, 06 06 2023, 1 spec., 12 06 2023, 3 spec., 18 06 2023, 2 spec., 19 06 2023, 3 spec., 22 06 2023, 1 spec., 23 06 2023, 2 spec., 30 06 2022, 1 spec.; Kretuonas lake meadow, 07 07 2023, 1 spec.; Šnipelių Miškas f., 16 06 2023, 3 spec.

***Cydalima perspectalis* (Walker, 1859)**

Kalniškės, 14 09 2023, 2 spec., 19 09 2023, 2 spec., 21 09 2023, 1 spec., 22 09 2023, 4 spec., 23 09 2023, 2 spec., 03 10 2023, 1 spec.; Gvazdikai, 28 08 2023, 1 spec., 08–09 09 2023, 1 spec., 10 09 2023, 1 spec., 13 09 2023, 5 spec., 19–20 09 2023, 1 spec., 21 09 2023, 6 spec., 22 09 2023, 13 spec., 23 09 2023, 4 spec., 27–28 09 2023, 8 spec., 31 09 2023, 1 spec., 02 10 2023, 6 spec.

***Euchromius ocella* (Haworth, 1811)**

Kalniškės, 18 09 2023, 1 spec., 22 09 2023, 3 spec.

***Ostrinia nubilalis* (Hübner, 1796)**

Būtingė, 24 07 2023, 2 spec.; Dukstynos Miškas f., 20 06 2023, 10 spec.; Gvazdikai, 27 06 2023, 3 spec.; Kalniškės, 28 06 2023, 2 spec., 03 07 2023, 2 spec., 04 07 2023, 2 spec., 09 07 2023, 1 spec., 16 07 2023, 2 spec., 17 07 2023, 5 spec., 23 07 2023, 1 spec., 24 08 2023, 1 spec.; Šnipelių Miškas f., 08 06 2023, 1 spec., 16 06 2023, 1 spec.

***Ostrinia palustralis* (Hübner, 1796)**

Kalniškės, 26 05 2023, 1 spec., 01 06 2023, 1 spec., 12 06 2023, 1 spec., 18 06 2023, 1 spec., 19 06 2023, 1 spec., 25 06 2023, 2 spec., 30 06 2023, 2 spec.; Šnipelių Miškas f., 08 06 2023, 1 spec.

***Nomophila noctuella* (Denis & Schiffermüller, 1775)**

Gvazdikai, 24 08 2023, 1 spec.; Kalniškės, 23 06 2023, 1 spec., 26 08 2023, 1 spec., 08 09 2023, 1 spec., 22 09 2023, 1 spec.

***Evergestis limbata* (Linnaeus, 1767)**

Būtingė, 12 07 2023, 2 spec.; Kalniškės, 16 07 2023, 1 spec.

***Heliothella wulfeniana* (Scopoli, 1763)**

Dukstynos Miškas, f., 15 08 2023, 1 spec.; Perloja, 19 08 2023, 1 spec.; Raguvos Miškas f., 17 08 2023, 1 spec.

DREPANIDAE

***Watsonalla binaria* (Hufnagel, 1767)**

Būtingė, 24 07 2023, 2 spec.; Gvazdikai, 17 07 2023, 1 spec., 26 07 2022, 1 spec.; Kalniškės, 16 07 2023, 1 spec., 06 08 2023, 1 spec., 16 08 2023, 1 spec.; Raguvos Miškas f., 17 08 2023, 1 spec.

***Sabra harpagula* (Esper, 1786)**

Kalniškės, 23 06 2023, 1 spec.; Kretuonas lake meadow, 07 07 2023, 1 spec.; Raguvos Miškas f., 17 08 2023, 1 spec.; Šnipelių Miškas f., 13 05 2023, 1 spec.

GEOMETRIDAE

***Idaea ochrata* (Scopoli, 1763)**

Būtingė, 12 07 2023, abundant, 24 07 2023, 1 spec.

***Phibalapteryx virgata* (Hufnagel, 1767)**

Būtingė, 12 07 2023, 1 spec.

***Xanthorhoe designata* (Hufnagel, 1767)**

Šnipelių Miškas f., 13 05 2023, 1 spec., 08 06 2023, 1 spec.

***Catarhoe rubidata* (Denis & Schiffermüller, 1775)**

Būtingė, 12 07 2023, 3 spec.

***Catarhoe cucullata* (Hufnagel, 1767)**

Gvazdikai, 04 10 2023, 1 spec.

***Epirhoe rivata* (Hübner, 1813)**

Šnipelių Miškas f., 13 05 2023, 1 spec.

***Euphyia unangulata* (Haworth, 1809)**

Būtingė, 24 07 2023, 2 spec.; Gvazdikai, 01 07 2023, 1 spec.; Kalniškės, 02 07 2023, 1 spec.

***Hydromena ruberata* (Freyer, 1831)**

Šnipelių Miškas f., 08 06 2023, 5 spec.

***Lampropteryx suffumata* (Denis & Schiffermüller, 1775)**

Būtingė, 19 05 2023, 1 spec.; Šnipelių Miškas f., 13 05 2023, 1 spec.

***Triphosia dubitata* (Linnaeus, 1758)**

Šnipelių Miškas f., 13 05 2023, 1 spec.

***Costaconvexa polygrammata* (Borkhausen, 1794)**

Šnipelių Miškas f., 08 06 2023, 4 spec.

***Larentia clavaria* (Haworth, 1809)**

Gvazdikai, 13 09 2023, 1 spec., 26 09 2023, 1 spec.

***Venusia blomeri* (Curtis, 1832)**

Būtingė, 12 07 2023, 1 spec.; Gvazdikai, 08 07 2023, 1 spec., 06 07 2023, 1 spec.; Kalniškės, 09 06 2023, 1 spec., 23 06 2023, 1 spec., 03 07 2023, 1 spec., 04 07 2023, 1 spec.; Šnipelių Miškas f., 16 06 2023, 1 spec.

***Gagitotes sagitata* (Fabricius, 1787)**

Kalniškės, 21 06 2023, 1 spec.

***Chloroclysta v-ata* (Haworth, 1809)**

Kalniškės, 02 05 2023, 1 spec., 23 07 2023, 1 spec.; Šnipelių Miškas f., 13 05 2023, 1 spec.

***Eupithecia venosata* (Fabricius, 1787)**

Kalniškės, 03 07 2023, 1 spec.

***Isturgia arenacearia* (Denis & Schiffermüller, 1775)**

Dukstyna, 15 08 2023, 1 spec.; Perloja, 19 08 2023, 6 spec.

***Peribatodes secundaria* (Denis & Schiffermüller, 1775)**

Kalniškės, 17 07 2023, 10 spec., 21 07 2023, 1 spec.; Šnipelių Miškas f., 25 07 2023, 3 spec.

***Cleorodes lichenaria* (Hufnagel, 1767)**

Būtingė, 24 07 2023, 1 spec.

***Epione vespertaria* (Linnaeus, 1767)**

Kalniškės, 17 07 2023, 1 spec.

***Trichopteryx carpinata* (Borkhausen, 1794)**

Šnipelių Miškas f., 08 06 2023, 2 spec., 13 06 2023, 1 spec.

***Lomaspilis opis* (Butler, 1878)**

Kalniškės, 14 06 2023, 5 spec., 22 06 2023, 1 spec., 23 06 2023, 3 spec., 24 06 2023, 2 spec., 30 06 2023, 2 spec., 04 07 2023, 1 spec., 16 07 2023, 1 spec.; Šnipelių Miškas f., 13 05 2023, 1 spec., 08 06 2023, 1 spec., 16 06 2023, 1 spec.

***Stegania cararia* (Hübner, 1790)**

Kalniškės, 18 06 2023, 1 spec.; Šnipelių Miškas f., 16 06 2023, 1 spec.

***Apeira syringaria* (Linnaeus, 1758)**

Gvazdikai, 01 07 2023, 2 spec.; Kalniškės, 01 07 2023, 4 spec.

***Ourapteryx sambucaria* (Linnaeus, 1758)**

Būtingė, 12 07 2023, 2 spec.; Kalniškės, 08 07 2023, 2 spec.; Kretuonas lake meadow, 07 07 2023, 1 spec.

***Campaea margaritaria* (Linnaeus, 1761)**

Šnipelių Miškas f., 08 06 2023, 2 spec.

LASIOCAMPIDAE

***Lasiocampa quercus* (Linnaeus, 1758)**

Būtingė, 24 07 2023, 1 spec.; Gvazdikai, 20 07 2022, 1 spec.; Kalniškės, 23 07 2023, 1 spec., 18 07 2022, 2 spec., 24 06 2023, 1 spec.

***Lasiocampa trifolii* (Denis & Schiffermüller, 1775)**

Būtingė, 11 08 2022, 5 spec.

***Gastropacha populifolia* (Esper, 1782)**

Kalniškės, 03 07 2023, 1 spec.; Šnipelių Miškas f., 16 06 2023, 1 spec.

***Gastropacha quercifolia* (Linnaeus, 1758)**

Kalniškės, 18 06 2023, 1 spec., 21 06 2023, 3 spec., 22 06 2023, 1 spec., 23 06 2023, 1 spec., 24 06 2023, 2 spec., 02 07 2023, 1 spec.

***Odonestis pruni* (Linnaeus, 1758)**

Kalniškės, 21 06 2023, 1 spec., 23 06 2023, 1 spec., 26 06 2023, 1 spec., 03 07 2022, 2 spec., 05 07 2022, 1 spec.; Šnipelių Miškas f., 16 06 2023, 1 spec.

SPHINGIDAE

***Amorpha amurensis* (Fischer von Waldheim, 1830)**

Būtingė, 19 05 2023, 1 spec.; Kalniškės, 12 05 2023, 1 spec., 23 05 2023, 1 spec., 19 06 2023, 1 spec., 24 06 2023, 1 spec.; Margis gravel pit, 21 05 2023, 1 spec.; Šnipelių Miškas f., 13 05 2023, 3 spec., 08 06 2023, 4 spec.

***Agrius convolvuli* (Linnaeus, 1758)**

Gvazdikai, 10 09 2023, 1 spec.; Kalniškės, 10 09 2023, 1 spec.

***Deilephila elpenor* (Linnaeus, 1758)**

Kalniškės, 07 09 2023, 1 spec.

NOTODONTIDAE

***Cerura erminea* (Esper, 1783)**

Kalniškės, 01 06 2023, 1 spec., 05 06 2023, 2 spec., 18 06 2023, 1 spec., 22 06 2023, 1 spec.; Šnipelių Miškas f., 16 06 2023, 2 spec.

***Stauropus fagi* (Linnaeus, 1758)**

Būtingė, 12 07 2023, 1 spec.; Dukstynos Miškas f., 20 06 2023, 2 spec.; Gvazdikai, 14 07 2023, 1 spec.; Kalniškės, 06 06 2023, 1 spec., 18 06 2023, 1 spec., 21 06 2023, 3 spec., 26 06 2023, 2 spec., 29 06 2023, 1 spec., 01 07 2023, 1 spec., 03 07 2023, 2 spec., 16 08 2022, 1 spec., 19 08 2022, 1 spec.; Margis gravel pit, 21 05 2023, 1 spec.; Šnipelių Miškas f., 13 05 2023, 5 spec., 25 07 2023, 1 spec.

***Ptilidon cucullina* (Denis & Schiffermüller, 1775)**

Kalniškės, 16 07 2023, 1 spec.

***Clostera anachoreta* (Denis & Schiffermüller, 1775)**

Kalniškės, 12 05 2023, 1 spec., 26 07 2022, 2 spec.; Margis gravel pit, 21 05 2023, 1 spec.; Šnipelių Miškas f., 13 05 2023, 1 spec.

## EREBIDAE

***Arctornis l-nigrum* (Müller, 1764)**

Dukstynos Miškas f., 20 06 2023, 1 spec.; Kalniškės, 21 06 2023, 1 spec., 30 06 2023, 1 spec.

***Calliteara abietis* (Denis & Schiffermüller, 1775)**

Būtingė, 12 07 2023, 2 spec.

***Gynaephora fascelina* (Linnaeus, 1758)**

Būtingė, 12 07 2023, 2 spec.; Rūdninkai, 15 07 2023, 8 spec.

***Laelia coenosa* (Hübner, 1808)**

Kalniškės, 06 08 2023, 1 spec.

***Euproctis chrysorrhoea* (Linnaeus, 1758)**

Kretuonas lake meadow, 07 07 2023, 1 spec.

***Pelosiopsis obtusa* (Herrich-Schäffer, 1847)**

Būtingė, 12 07 2023, 2 spec.; Kalniškės, 08 07 2023, 1 spec., 18 07 2023, 2 spec., 04 08 2023, 1 spec., 05 08 2023, 1 spec.

***Lymantaria dispar* (Linnaeus, 1758)**

Būtingė, 24 07 2023, 5 spec.

***Miltochrista miniata* (Forster, 1771)**

Gvazdikai, 11 09 2023, 1 spec.

***Setina irrorella* (Linnaeus, 1758)**

Rūdninkai, 15 07 2023, 1 spec.

***Callimorpha dominula* (Linnaeus, 1758)**

Būtingė, 12 07 2023, 1 spec.

***Thyria jacobaeae* (Linnaeus, 1758)**

Margis gravel pit, 13 06 2023, 1 spec.

***Diaphora mendica* (Clerck, 1759)**

Būtingė, 19 05 2023, 1 spec.; Kalniškės, 03 06 2023, 1 spec.

***Diacrisia purpurata* (Linnaeus, 1758)**

Būtingė, 12 07 2023, 3 spec.; Kalniškės, 30 06 2023, 3 spec., 01 07 2023, 1 spec.; Rūdninkai, 15 07 2023, 4 spec.

***Catocala electa* (Vieweg, 1790)**

Perloja, 19 08 2023, 1 spec.

***Catocala promisa* (Denis & Schiffermüller, 1775)**

Šnipelių Miškas f., 23 07–12 08 2023, 1 spec. (in wine trap).

***Catocala sponsa* (Linnaeus, 1767)**

Kalniškės, 13 09 2023, 1 spec.; Šnipelių Miškas f., 23 07–12 08 2023, 12 spec.

## NOCTUIDAE

***Lamprotes c-aureum* (Knoch, 1781)**

Gvazdikai, 13 07 2023, 1 spec.; Kalniškės, 01 07 2023, 1 spec., 13 07 2023, 1 spec., 23 07 2023, 1 spec., 04 06 2023, 2 spec., 05 08 2023, 1 spec., 08 08 2022, 1 spec., 15 08 2022, 1 spec.

***Autographa jota* (Linnaeus, 1758)**

Šnipelių Miškas f., 16 06 2023, 1 spec.

***Autographa mandarina* (Freyer, 1845)**

Gvazdikai, 14 07 2023, 1 spec.; Kalniškės, 21 09 2023, 1 spec., 22 09 2023, 1 spec., 23 09 2023, 1 spec., 03 10 2023, 1 spec.



***Cucullia asteris* (Denis & Schiffermuller, 1775)**

Būtingė, 24 07 2023, 1 spec.

***Amphipyra perflua* (Fabricius, 1787)**

Dukstynos Miškas f., 15 08 2023, 1 spec.; Kalniškės, 22 07 2023, 1 spec., 23 07 2023, 1 spec., 01 08 2023, 1 spec., 05 08 2023, 2 spec., 08 08 2023, 1 spec., 09 08 2023, 1 spec., 10 08 2023, 1 spec., 16 08 2023, 2 spec.; Šnipelių Miškas f., 23 07–12 08 2023, 6 spec. (in wine trap).

***Amphipyra livida* (Denis & Schiffermuller, 1775)**

Kalniškės, 31 08 2023, 1 spec., 19 09 2023, 1 spec., 22 09 2023, 1 spec.; Gvazdikai, 26 09 2023, 1 spec., 27–28 09 2023, 1 spec.

***Acronicta albovenosa* (Goeze, 1781)**

Kalniškės, 09 07 2023, 1 spec., 13 07 2023, 1 spec., 17 07 2023, 3 spec.

***Acronicta alni* (Linnaeus, 1767)**

Kalniškės, 25 06 2023, 1 spec., 05 08 2023, 2 spec.; Šnipeliai, 16 06 2023, 1 spec.

***Acronicta leporina* (Linnaeus, 1758)**

Būtingė, 10–24 07 2023, 5 spec. (in wine trap); Dukstynos Miškas f., 20 06 2023, 2 spec.; Kalniškės, 15 06 2023, 1 spec., 18 06 2023, 1 spec., 23 06 2023, 1 spec., 24 06 2023, 2 spec., 04 07 2023, 1 spec., 04 08 2023, 1 spec., 18 08 2023, 1 spec.; Perloja, 19 08 2023, 1 spec.

***Eucarta virgo* (Treitschke, 1835)**

Būtingė, 12 07 2023, more than 20 spec., 24 07 2023, 25 spec.; Dukstynos Miškas f., 20 06 2023, 2 spec.; Gvazdikai, 01 09 2023, 1 spec.; Kalniškės, 19 06 2023, 1 spec., 21 06 2023, 2 spec., 24 06 2023, 1 spec., 28 06 2023, 1 spec., 30 06 2023, 3 spec., 04 07 2023, 2 spec., 09 07 2023, 2 spec., 13 07 2023, 2 spec., 16 07 2023, 3 spec., 17 07 2023, 3 spec., 23 07 2023, 1 spec., 04 08 2023, 2 spec., 05 08 2023, 1 spec., 06 08 2023, 1 spec., 20 08 2023, 1 spec., 25 08 2023, 1 spec., 27 08 2023, 3 spec., 30 08 2023, 1 spec., 08 09 2023, 1 spec., 11 09 2023, 1 spec., 13 09 2023, 2 spec., 22 09 2023, 1 spec., 03 10 2023, 1 spec.

***Helcoverpa armigera* (Hübner, 1808)**

Kalniškės, 23 09 2023, 2 spec., 28 09 2023, 1 spec.

***Cryphia algae* (Fabricius, 1775)**

Dukstynos Miškas f., 15 08 2023, 1 spec.

***Callopietria juvenina* (Stoll, 1782)**

Būtingė, 12 07 2023, 3 spec., 24 07 2023, 30 spec.; Gvazdikai, 06 07 2023, 2 spec., 17 07 2023, 1 spec., 23 07 2022, 1 spec., 22–25 07 2022, 1 spec. (in wine trap), 26 07 2022, 2 spec.; 31 07 2022, 1 spec., 01 08 2022, 1 spec., 05 08 2022, 1 spec.; Kalniškės, 23 07 2023, 3 spec., 16 07 2023, 2 spec., 05 08 2023, 1 spec., 16 08 2023, 2 spec.

***Chilodes maritima* (Tauscher, 1806)**

Būtingė, 12 07 2023, 3 spec., 24 07 2023, 1 spec.; Kalniškės, 04 08 2023, 1 spec.

***Calamia tridens* (Hufnagel, 1766)**

Perloja, 19 08 2023, 1 spec.

***Hydraecia nordstroemi* Horke, 1952**

Būtingė, 12 07 2023, 2 spec., 24 07 2023, 2 spec.

***Nonagria typhae* (Thunberg, 1784)**

Kalniškės, 08 09 2023, 1 spec.

***Arenostola phragmitidis* (Hübner, 1803)**

Kalniškės, 04 08 2023, 1 spec.

***Apamea scolopacina* (Esper, 1788)**

Būtingė, 24 07 2023, 1 spec.; Kalniškės, 16 07 2023, 1 spec., 17 07 2023, 3 spec., 22 07 2023, 1 spec., 23 07 2023, 2 spec.

***Xylomoia graminea* (Graeser, 1889)**

Dukstynos Miškas f., 20 06 2023, 2 spec.; Kalniškės, 09 06 2023, 2 spec., 14 06 2023, 3 spec., 19 06 2023, 2 spec., 23 06 2023, 1 spec., 24 06 2023, 1 spec.

***Hyppa rectilinea* (Esper, 1788)**

Kalniškės, 24 06 2022, 1 spec. (in wine trap); Gvazdikai, 29 06 2022, 2 spec. (in wine trap), 30 06 2022, 1 spec. (in wine trap); Merkinė, 25 08 2022, 16 spec.

***Brachylochia viminalis* (Fabricius, 1776)**

Būtingė, 24 07 2023, 5 spec.; Gvazdikai, 31 07 2022, 1 spec.; Kalniškės, 16 07 2023, 4 spec., 17 07 2023, 6 spec., 18 07 2023, 1 spec., 19 07 2023, 2 spec., 19 07 2023, 1 spec., 22 07 2023, 2 spec. 22 07 2023, 4 spec.; Šnipelių Miškas f., 25 07 2023, 5 spec.

***Parastichtis suspecta* (Hübner, 1817)**

Būtingė, 24 07 2023, 1 spec.; Kalniškės, 22 07 2023, 1 spec.

***Tiliacea citrigo* (Linnaeus, 1758)**

Kalniškės, 13 09 2023, 1 spec.

***Agrochola macilenta* (Hübner, 1809)**

Kalniškės, 12 09 2023, 1 spec., 14 10 2023, 1 spec.

***Xylena solidaginis* (Hübner, 1803)**

Gvazdikai, 27 08 2023, 1 spec., 11 09 2023, 1 spec.; Kalniškės, 27 08 2022, 1 spec., 09 09 2023, 1 spec.; Perloja, 19 08 2023, 2 spec.

***Cosmia pyralina* (Denis & Schiffermüller, 1775)**

Kalniškės, 08 07 2023, 1 spec.

***Griphosia aprilina* (Linnaeus, 1758)**

Kalniškės, 13 09 2023, 1 spec., 18 09 2023, 1 spec., 21 09 2023, 1 spec.

***Conisania luteago* (Denis & Schiffermüller, 1775)**

Būtingė, 12 07 2023, 1 spec.

***Hecatera bicolorata* (Hufnagel, 1766)**

Margis gravel pit, 21 05 2023, 1 spec.

***Hadena compta* (Denis & Schiffermüller, 1775)**

Kalniškės, 29 06 2023, 1 spec.

***Hadena confusa* (Hufnagel, 1766)**

Kalniškės, 21 06 2023, 1 spec., 29 06 2023, 1 spec.

***Mythimna albipuncta* (Denis & Schiffermüller, 1775)**

Dukstynos Miškas f., 15 08 2023, 1 spec.; Gvazdikai, 24 08 2023, 1 spec., 22 09 2023, 1 spec.; Kalniškės, 04 08 2023, 3 spec., 08 08 2023, 1 spec., 09 08 2023, 2 spec., 10 08 2023, 1 spec., 11 08 2023, 1 spec., 13 08 2023, 3 spec., 14 08 2023, 2 spec., 16 08 2023, 2 spec., 18 08 2023, 4 spec., 21 08 2023, 1 spec., 22 08 2023, 1 spec., 25 08 2023, 4 spec., 26 08 2023, 2 spec. 27 08 2023, 1 spec., 01 09 2023, 1 spec., 11 09 2023, 1 spec.; Perloja, 19 08 2023, 3 spec.; Raguvos Miškas f., 17 08 2023, 2 spec., 20 08 2023, 1 spec.



Fig. 1. *Adela violella*



Fig. 2. *Argyresthia thuiella*

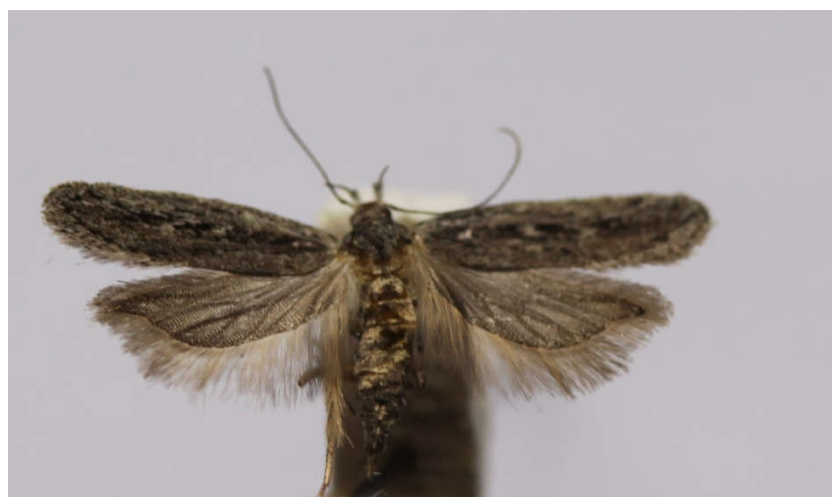


Fig. 3. *Gelechia sabinellus*

***Mythimna pudorina* (Denis & Schiffermüller, 1775)**

Kalniškės, 02 07 2023, 1 spec., 07 07 2023, 1 spec., 08 07 2023, 2 spec., 09 07 2023, 1 spec., 14 07 2022, 1 spec.; Šnipelių Miškas f., 16 06 2023, 1 spec.



Fig. 4. *Klimeschiopsis kiningerella*

***Mythimna l-album* (Linnaeus, 1767)**

Gvazdikai, 24 08 2023, 2 spec., 29 08 2023, 2 spec., 31 08 2023, 1 spec., 05 09 2023, 1 spec., 10 09 2023, 2 spec. 10 09 2023, 3 spec., 11 09 2023, 2 spec., 19– 20 09 2023, 1 spec.; Kalniškės, 27 08 2023, 1 spec., 28 08 2023, 2 spec., 01 09 2023, 1 spec., 13 09 2023, 1 spec., 18 09 2023, 1 spec., 19 09 2023, 1 spec.

***Leucania obsoleta* (Hübner, 1803)**

Būtingė, 12 07 2023, 1 spec., 24 07 2023, 3 spec.; Kalniškės, 24 05 2023, 1 spec., 05 06 2023, 1 spec., 22 06 2023, 2 spec., 23 06 2023, 1 spec., 29 06 2023, 1 spec., 30 06 2023, 4 spec., 02 07 2023, 2 spec., 05 07 2023, 1 spec., 08 07 2023, 2 spec., 02 08 2023, 1 spec.

***Senta flammea* (Curtis, 1828)**

Kalniškės, 26 05 2023, 1 spec., 01 06 2023, 1 spec., 23 06 2023, 1 spec.

***Yigoga signifera* (Denis & Schiffermüller, 1775)**

Gvazdikai, 01 07 2023, 1 spec., 14 07 2023, 1 spec.

***Euxoa obelisca* (Denis & Schiffermüller, 1775)**

Kalniškės, 01 09 2023, 1 spec.

***Noctua comes* Hübner, 1813**

Gvazdikai, 31 08 2023, 1 spec., 07 09 2023, 1 spec.; Kalniškės, 31 08 2023, 1 spec.; Šnipelių Miškas f., 22 08 2023, 2 spec.

***Noctua interjecta* Hübner, 1803**

Būtingė, 18 08 2022, 1 spec., 24 07 2023, 10 spec.; Kalniškės, 23 07 2023, 2 spec., 04 08 2023, 1 spec., 09 08 2023, 1 spec., 13 08 2023, 1 spec., 14 08 2023, 2 spec., 18 08 2023, 2 spec., 20 08 2023, 1 spec.; Šnipelių Miškas f., 23– 07 12 08 2023, 1 spec.; Raguvos Miškas f., 17 08 2023, 1 spec.

***Noctua janthe* (Borkhausen, 1792)**

Būtingė, 24 07 2023, 1 spec.; Dukstynos Miškas f., 15 08 2023, 10 spec.; Kalniškės, 04 08 2023, 1 spec., 06 08 2023, 1 spec., 09 08 2023, 1 spec., 13 08 2023, 6 spec., 14 08 2023, 1 spec., 16 08 2023, 2 spec., 26 08 2023, 1 spec.; Raguvos Miškas f., 17 08 2023, 1 spec.

***Noctua orbona* (Hufnagel, 1766)**

Kalniškės, 27 08 2023, 10 spec., 08 09 2023, 1 spec.

***Eugraphe sigma* (Denis & Schiffermüller, 1775)**

Gvazdikai, 27 06 2023, 4 spec., 01 07 2023, 2 spec., 29 06 2023, 2 spec., 05 07 2023, 2 spec., 08 07 2023, 1 spec., 14 07 2023, 3 spec., 15 07 2023, 1 spec.

***Protolampra sobrina* (Duponchel, 1843)**

Gvazdikai, 15 08 2022, 1 spec.

## Discussion

Some specimens of *Argyresthia thuiella* were found on *Thuja* trees. Previously this species was known from North America, introduced in Europe. Now distributed in central Europe. In 2022 it was found in Latvia (N. Savenkov *pers. com*). Larvae are mining needles of *Thuja*.

*Adela violella* is found in most of Europe, except Ireland, Great Britain, Fennoscandia, the Baltic region, Croatia, previously was found in Denmark (Aarvik *et al.*, 2020). The host plant of larvae is *Hypericum*. The young larvae bore in the fruits, later they live in a case among the litter.

*Gelecia sabinellus* is known from USA and Canada, Europe, Russia, Turkey, it is found in all countries of Northern Europe (Aarvik *et al.*, 2020). Larva feeds in the needles of *Juniperus* (Gregersen & Karsholt, 2022). All Lithuanian specimens were attracted to light trap.

*Klimeschiopsis kiningerella* is known in Europe from France to Ukraine and S. Ural Mountains. Distributed in all Nordic countries, Estonia and Latvia excluded, Denmark (Aarvik *et al.*, 2020; Gregersen & Karsholt, 2022). Host plants of larvae are *Silene*, *Cerastium*. The larva lives in leaf bundles of the host plant (Gregersen & Karsholt, 2022).

*Coleotechnites piceaella* was discovered in Lithuania for the first time in 2022, and established itself in many places as a common and serious pest of *Thuja* plants.

For species such as *Nephopteryx angustella*, *Heliothella wulfeniana*, *Oegoconia deauratella*, *Idaea ochrata*, *Callopietria juvenina*, *Noctua interjecta*, and many others, new data on distribution is presented. In suitable locations they are not rare. The species *Idaea ochrata*, *Isturgia arenacearia*, *Peribatodes secundaria* seem to be spreading in Lithuania. *Eumedonia eumedon*, *Lysandra coridon*, *Lycaena dispar*, *Melitaea diamina*, *Coenonympha tulia*, *Phibalapteryx virgata*, *Tyria jacobaeae* are protected species and included into Lithuanian Red Data Book (Rašomavičius, 2021). *Sclerocona acutellus*, *Nephopteryx angustella*, *Helicoverpa armigera*, *Mythimna albipuncta*, are now resident species, because they are found during the warmer season. A new data on *Cydalima perspectalis* are given in this paper.

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## Nauji duomenys apie retas ir naujas Lietuvos faunai drugių rūšis, 2023 metų pranešimas

P. IVINSKIS, J. RIMŠAITĖ

### Santrauka

Straipnyje pateikiami duomenys apie 4 naujas – *Argyresthia thuiella*, *Adela violella*, *Gelechia sabinellus*, *Klimeschiopsis kiningerellum* – ir eilę retų Lietuvos faunai drugių rūšių.

Rūšims *Nephoteryx angustella*, *Phibalapterix virgata*, *Eumedonia eumedon*, *Coenonympha tulia* pateikiami nauji paplitimo duomenys, o rūšys *Eumedonia eumedon*, *Lysandra coridon*, *Lycaena dispar*, *Melitaea diamina*, *Coenonympha tulia*, *Phibalapterix virgata*, *Tyria jacobaeae* įrašytos į Lietuvos Raudonąją knygą.

*Nephoteryx angustella*, *Sclerocona acutella*, *Isturgia arenacearia*, *Noctua interjecta*, *Mythimna albipuncta*, *Noctua interjecta* akivaizdžiai plinta Lietuvoje. Rūšims *Deilephila elpenor*, *Miltochrista miniata*, *Catarhoe cucullata* konstatuota antra generacija. Daugelis rastų rūšių papildė duomenis apie jų paplitimą Lietuvoje. Dalis retų rūšių priskiriamos migrantams.

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