

RARE FOR THE LITHUANIAN FAUNA LEPIDOPTERA SPECIES RECORDED IN SKUODAS, KRETINGA AND KLAIPĖDA REGIONS IN 2016

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Introduction

New data on fauna and distribution of Lepidoptera in Lithuania is added every year. Earlier Lepidoptera of Skuodas, Klaipėda and Kretinga regions was studied quite sporadically. Kazlauskas (2006, 2007) published several rare species recorded from Skuodas. The latest data from Klaipėda region was published by Ivinskis and Rimšaitė (2013) and Švitra *et al.* (2015), Kretinga region by Švitra *et al.* (2015). This study presents supplementary data on 50 rare Lepidoptera species registered in 16 localities in Skuodas, Kretinga and Klaipėda regions in 2016.

Material and Methods

The data was collected by the author of this paper during field trips in 2016. Standard entomological methods were used for the collecting of specimens: netting, baiting and light-trapping with help of 500 W blended mercury lamp bulb.

The material was identified using various identification guides (Kazlauskas, 1984, 2008; Koch, 1991). The collected information is stored in LepiBASE – a private database of G. Švitra. Most of the collected specimens are preserved in the private collection of the author.

List of localities

Aukštkalvių Miškas f.	Kretinga district	55.932502, 21.394644
Cigonaliai, Minija river valley	Kretinga district	55.942369, 21.567850
Gedrimai, open pit	Skuodas district	56.298897, 21.888894
Klaipėda, Antroji Melnragė	Klaipėda district	55.756708, 21.084719
Ylakiai	Skuodas district	56.277819, 21.847563
Kalnėnai, botanical park	Skuodas district	56.295855, 21.813888
Kalno Grikštai, Kartenalė entomological reserve	Kretinga district	55.853783, 21.394661
Karklė (1)	Klaipėda district	55.806413, 21.086005
Karklė (2)	Klaipėda district	55.815152, 21.066022
Kiškėnų Miškas f. (1)	Klaipėda district	55.695547, 21.254125
Kiškėnų Miškas f. (2)	Klaipėda district	55.698797, 21.262661
Miesto Medės Miškas f.	Skuodas district	56.212636, 21.409469
Rukai	Skuodas district	56.178352, 21.650602
Sriaupiai	Skuodas district	56.218602, 21.345186
Šaukliai, juniper forest	Skuodas district	56.126733, 21.597102
Viršilai, Gėsalai geomorphological reserve	Skuodas district	56.329477, 21.770983

List of species

PAPILIONIDAE

***Parnassius mnemosyne* (Linnaeus, 1758)**

Kalno Grikštai, Kartenalė entomological reserve, 28 06 2016, 1 spec.

NYMPHALIDAE

***Brenthis daphne* (Denis & Schiffermüller, 1775)**

Aukštkalvių Miškas f., 29 07 2016, 1 spec.; Kačaičiai 28 06 2016, 3 spec.; Kalno Grikštai, Kartenalė entomological reserve, 28 06 2016, 2 spec.; Kiškėnų Miškas f., 01 07 2016, 1 spec.

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

Šaukliai, juniper forest, 20 06 2016, 11 spec.

LYCAENIDAE

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

Cigonaliai, Minija river valley, 28 06 2016, 1 spec.; Kalno Grikštai, Kartenalė entomological reserve, 28 06 2016, 2 spec.

DREPANIDAE

***Polyploca ridens* (Fabricius, 1787)**

Kalnėnai, botanical park, 06 05 2016, 2 spec.; Kiškėnų Miškas f. (1), 02 05 2016, 16 spec., 03 05 2016, 11 spec., 04 05 2016, 11 spec., 08 05 2016, 5 spec., 09 05 2016, 6 spec., 11 05 2016, 3 spec.

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

Kalnėnai, botanical park, 22 06 2016, 1 spec.

COSSIDAE

***Acossus terebra* (Denis & Schiffermüller, 1775)**

Sriaupiai, 24 07 2016, 1 spec.

***Zeuzera pyrina* (Linnaeus, 1761)**

Kalnėnai, botanical park, 30 07 2016, 1 spec.; Viršilai, Gėsalai geomorphological reserve, 26 07 2016, 1 spec.

ARCTIIDAE

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

Kiškėnų Miškas f. (1), 29 05 2016, 1 spec.; Kiškėnų Miškas f. (2), 30 05 2016, 1 spec.

***Rhyaria purpurata* (Linnaeus, 1758)**

Kiškėnų Miškas f. (2), 01 07 2016, 5 spec.; Miesto Medės Miškas f., 08 07 2016, 1 spec.; Sriaupiai, 05 07 2016, at least 10 spec.

NOCTUIDAE

***Amphipyra berbera* (Rungs, 1949)**

Šaukliai, juniper forest, 20 07 2016, 1 spec.

***Antitype chi* (Linnaeus, 1758)**

Šaukliai, juniper forest, 11 09 2016, 1 spec.

***Aporophyla lueneburgensis* (Freyer, 1848)**

Gedrimai, open pit, 01 09 2016, 1 spec.

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

Gedrimai, open pit, 27 07 2016, 1 spec.; Sriaupiai, 24 07 2016, 3 spec.

***Autographa bractea* (Denis & Schiffermüller, 1775)**

Viršilai, Gėsalai geomorphological reserve, 26 07 2016, 2 spec.

***Blepharita amica* (Treitschke, 1825)**

Klaipėda, Antroji Melnragė, 27 09 2016, 1 spec.

***Catocala pacta* (Linnaeus, 1758)**

Sriaupiai, 24 07 2016, 1 spec.

***Catocala promissa* (Denis & Schiffermuller, 1775)**

Gedrimai, open pit, 27 07 2016, 1 spec.; Viršilai, Gėsalai geomorphological reserve, 26 07 2016, 1 spec.

***Crypsedra gemmea* (Treitschke, 1825)**

Šaukliai, juniper forest, 29 07 2016, 2 spec., 20 08 2016, 1 spec.

***Cucullia absinthii* (Linnaeus, 1761)**

Gedrimai, open pit, 27 07 2016, 1 spec.

***Dryobotodes eremita* (Fabricius, 1775)**

Kiškėnų Miškas f. (2), 05 09 2016, 2 spec.; Šaukliai, juniper forest, 11 09 2016, 1 spec.

***Eucarta virgo* (Treitschke, 1778)**

Karklė (1), 08 09 2016, 2 spec.; Kiškėnų Miškas f. (2), 21 07 2016, 1 spec., 05 09 2016, 1 spec.; Sriaupiai, 05 07 2016, 1 spec., 24 07 2016, 5 spec.; Šaukliai, juniper forest, 11 07 2016, 3 spec., 11 09 2016, 2 spec.

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

Šaukliai, juniper forest, 13 06 2016, 1 spec.

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

Kiškėnų Miškas f. (2), 30 05 2016, 1 spec.

***Mesogona oxalina* (Hübner, 1803)**

Gedrimai, open pit, 01 09 2016, 2 spec.

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

Kalnėnai, botanical park, 19 08 2016, 1 spec., 31 08 2016, 1 spec., 02 09 2016, 1 spec.; Šaukliai, juniper forest, 20 08 2016, 2 spec.

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

Karklė (2), 26 09 2016, 1 spec.

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

Kiškėnų Miškas f. (2), 01 07 2016, 3 spec.; Sriaupiai, 05 07 2016, 1 spec.; Šaukliai, juniper forest, 23 06 2016, 8 spec.

***Noctua fimbriata* (Schreber, 1759)**

Gedrimai, open pit, 27 07 2016, 2 spec., 01 09 2016, 1 spec.; Ylakai, 08 08 2016, 1 spec.; Kalnėnai, botanical park, 31 08 2016, 1 spec.; Miesto Medės Miškas f., 08 07 2016, 1 spec.; Sriaupiai, 05 07 2016, 2 spec., 24 07 2016, 2 spec.; Šaukliai, juniper forest, 11 07 2016, 1 spec., 20 07 2016, 1 spec., 29 07 2016, 2 spec.

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

Gedrimai, open pit, 27 07 2016, 1 spec.; Kalnėnai, botanical park, 19 07 2016, 1 spec.; Sriaupiai, 24 07 2016, 1 spec.; Šaukliai, juniper forest, 11 07 2016, 1 spec.

***Noctua janthina* (Denis & Schiffermüller, 1775)**

Gedrimai, open pit, 06 08 2016, 1 spec.; Kalnėnai, botanical park, 30 07 2016, 1 spec.

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

Gedrimai, open pit, 06 08 2016, 1 spec.

***Orthosia miniosa* (Denis & Schiffermüller, 1775)**

Kiškėnų Miškas f. (1), 03 05 2016, 1 spec., 04 05 2016, 1 spec., 09 05 2016, 2 spec.,

11 05 2016, 1 spec., 13 05 2016, 1 spec.

***Phragmatiphila nexa* (Hübner, 1808)**

Šaukliai, juniper forest, 20 08 2016, 1 spec.

***Xestia stigmatica* (Hübner, 1813)**

Kalnėnai, botanical park, 30 07 2016, 1 spec.

***Simyra albovenosa* (Goeze, 1781)**

Gedrimai, open pit, 27 07 2016, 1 spec.; Sriaupiai, 24 07 2016, 1 spec.

GEOMETRIDAE

***Acasis viretata* (Hübner, 1799)**

Kiškėnų Miškas f. (1), 08 05 2016, 1 spec.

***Campaea margaritata* (Linnaeus, 1761)**

Karklė (1), 08 09 2016, 1 spec.; Kiškėnų Miškas f. (1), 04 09 2016, 1 spec.

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

Gedrimai, open pit, 27 07 2016, 3 spec.; Rukai, 25 07 2016, 2 spec.; Viršilai, Gėsalai geomorphological reserve, 26 07 2016, 1 spec.

***Earophila badiata* (Denis & Schiffermüller, 1775)**

Kiškėnų Miškas f. (1), 02 05 2016, 1 spec.

***Perizoma affinitata* (Stephens, 1831)**

Kiškėnų Miškas f. (1), 06 06 2016, 1 spec.; Kiškėnų Miškas f. (2), 28 05 2016, 1 spec.

***Triphosa dubitata* (Linnaeus, 1758)**

Ylakiai, 01 09 2016, 1 spec.; Sriaupiai, 24 07 2016, 1 spec.; Šaukliai, juniper forest, 29 07 2016, 1 spec., 11 09 2016, 1 spec.; Viršilai, Gėsalai geomorphological reserve, 26 07 2016, 2 spec.

NOTODONTIDAE

***Clostera anastomosis* (Linnaeus, 1758)**

Rukai, 28 06 2016, 1 spec.; Sriaupiai 05 07 2016, 1 spec.

***Harpyia milhauseri* (Fabricius, 1775)**

Kiškėnų Miškas f. (2), 30 05 2016, 1 spec.

SPHINGIDAE

***Laothoe amurensis* (Staudinger, 1892)**

Rukai, 14 06 2016, 1 spec., 24 06 2016, 1 spec.

LYMANTRIIDAE

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

Sriaupiai, 05 07 2016, 1 spec.

LASIOCAMPIDAE

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

Šaukliai, juniper forest, 23 06 2016, 1 spec.

***Trichiura crataegi* (Linnaeus, 1758)**

Gedrimai, open pit, 01 09 2016, 1 spec., 09 09 2016, 1 spec.

NOLIDAE

***Bena bicolorana* (Fuessly, 1775)**

Rukai, 25 07 2016, 1 spec.

ENDROMIDAE

***Endromis versicolora* (Linnaeus, 1758)**

Kiškėnų Miškas f. (1), 03 05 2016, 1 spec., 04 05 2016, 2 spec., 09 05 2016, 1 spec.

Discussion

Four species of Lepidoptera recorded in the studied localities are included into the Lithuanian Red Data Book (Rašomavičius, 2007): *Parnassius mnemosyne*, *Melitaea diamina*, *Brenthis daphne*, and *Lycaena dispar*.

Some rare species can be mentioned separately. *Dryobotodes eremita* was known from oak forests in Trakai and Krosna districts (Kazlauskas, 1984) - this is a very rare species in Lithuania, that was also found in Smiltynė, Skakai (Ivinskis, 2004), Kleboniškis forest, Meškerinė and Vilnius (Švitra *et al.*, 2015). *Orthosia miniosa* is known from South and Central Europe and South-West Asia (Kazlauskas, 1984) - rare species in Lithuania (Ivinskis, 2004). These two species live on oak woods, what determines rarity of these species in Lithuania. *Bena bicolorana* - is a rare species in Southern Europe (Kazlauskas, 1984). According to the most recent data, it was found in Kalnėnai Botanical Park, Pasvalys and Pilėnai forests (Švitra *et al.*, 2015). It was registered in Rukai during the study. *Campaea margaritata* - is known from Central and Southern Europe, and Western part of Asia (Buszko, 2000). This species known from Western part of Lithuania - Juodkrantė and Ventė environs (Ivinskis, Rimšaitė, 2015). *C. margaritata* is mostly beech woods species (Buszko, 2000), what determines rarity of these species in Lithuania. It was recorded in Kiškėnai forest and Karklė in 2016.

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Retos Lietuvos faunos drugių rūšys aptiktos Skuodo, Kretingos ir Klaipėdos rajonuose 2016 metais

M. KAUPYS

Santrauka

Straipsnyje pateikiami duomenys apie 2016 metais aptiktas retas drugių rūšis Skuodo, Kretingos ir Klaipėdos rajonuose, iš kurių 4 – *Parnassius mnemosyne*, *Melitaea diamina*, *Brenthis daphne* ir *Lycaena dispar* yra įtrauktos į Lietuvos Raudonąją knygą. Kiekvienai rūšiai pateikiamos radvietės, radimo data ir stebėtų individų skaičius.

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