

NEW DATA ON TWENTY RARE SPECIES OF MOTHS (LEPIDOPTERA) FOUND IN LITHUANIA

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Introduction

The report presents information on 20 rare species of moths recorded in Lithuania in 2001–2008. Rarity categories are according to P. Ivinskis (2004).

Material and Methods

Material was collected in different parts of Lithuania: in Neringa municipality, Akmenė, Alytus, Jurbarkas, Kaišiadorys, Kaunas, Panevėžys, Šakiai, and Tauragė administrative districts. The material was collected using an entomological net and light trapping at night (160W DRL type bulb lamp was used). Twelve of the species were collected by the author of this report (B.P). The rest eight species were collected by Romas Ferenca (R.F.), Vytautas Tamutis (V.T.), and Vytautas Uselis (V.U.).

The geographical coordinates were measured using a Garmin eTrex GPS receiver. The material is deposited in the collection of the Kaunas T. Ivanauskas Zoological Museum.

Species were identified using the following sources: Traugott-Olsen & Nielsen, (1977), Danilevskij *et al.* (1981), Elsner *et al.* (1999), Huemer & Karsholt (1999), Razowski (2001) and Sruoga & Ivinskis (2005).

List of localities

Akmenė district	Ivanauskiai	56°18'26,1"N, 22°44'59,6"E
	Kruopiai	56°15'40,7"N, 22°59'45,0"E
Alytus district	Nemuno Kilpos Regional Park	54°32'10,0"N, 24°04'40,0"E
Jurbarkas district	Viešvilė Nat. R. (1)	55°07'13,0"N, 22°25'03,0"E
	Viešvilė Nat. R. (2)	55°07'01,5"N, 22°25'06,5"E
Kaišiadorys district	Rumšiškės Miškas f.	54°52'N, 24°10'E
Kaunas district	Braziūkai	54°54'06,6"N, 23°29'02,1"E
	Dubravos Miškas f.	54°51'15,2"N, 24°04'30,0"E
	Nevežis landscape reserve	54°57'43,1"N, 23°47'56,1"E
	Rokai ground	54°47'23,3"N, 23°55'54,5"E
Neringa t.	Preila env.	55°21'37,2"N, 21°02'42,0"E
Panevėžys district	Kupstai	55° 49'33,0"N, 24°16'04,2"E
Šakiai district	Tervydoniai	55°01'40,7"N, 23°26'57,0"E
Tauragė district	Viešvilė Nat. R. (3)	55°07'55,5"N, 22°25'18,0"E

Viešvilė Nat. R. (4)	55°10'47,6"N, 22°27'40,3"E
Viešvilė Nat. R. (5)	55°09'39,6"N, 22°28'40,7"E
Viešvilė Nat. R. (6)	55°10'30,4"N, 22°27'57,9"E

List of species

GRACILLARIIDAE

Aspilapteryx tringipennella (Zeller, 1839)

Viešvilė Nat. R. (4), 22 08 2007, 1♂ (B.P.).

DEPRESARIIDAE

Agonopterix parilella (Treitschke, 1835)

Nemuno Kilpos Regional Park, 25 04 2008, 1♂ (R.F.).

ELACHISTIDAE

Elachista adscitella Stainton, 1851

Viešvilė Nat. R. (1), 18 07 2007, 1♂ (B.P.).

Elachista anserinella Zeller, 1839

Kruopiai, 05 07 2007, 2♂ (B.P.); Nevėžis pr., 04 07 2007, 1♂ (B.P.).

Elachista bisulcella (Duponchel, 1843)

Rokai ground, 12 08 2008, 1♂, 1♀ (B.P.); Tervydoniai, 12 08 2007, 1♂, 1♀ (B.P.).

Elachista distigmatella Frey, 1859

Viešvilė Nat. R. (5), 16 07 2007, 12 ♂ (B.P.).

Elachista exactella (Herrich-Schäffer, 1855)

Preila, 04 06 2005, 1♀ (B.P.).

Elachista humilis Zeller, 1850

Kupstai, 28 05 2005, 1♂ (B.P.).

Elachista pomerana Frey, 1870

Ivanauskiai, 05 07 2007, 1♂ (B.P.).

Elachista sericornis Stainton, 1854

Viešvilė Nat. R. (4), 15 05 2007, 1♂ (B.P.).

Elachista subnigrella Douglas, 1853

Nevėžis pr., 04 07 2007, 7♂ (B.P.).

Elachista utonella Frey, 1856

Rumšiškės Miškas f., 12 07 2005, 2♂ (B.P.); Viešvilė Nat. R. (3), 31–18 07 2001, 2♂ (V.U.); Viešvilė Nat. R. (5), 18 07 2007, 1♂ (B.P.); Ivanauskiai 05 07 2007, 1♂ (B.P.); Kruopiai, 05 07 2005, 1♂ (B.P.).

GELECHIIDAE

Argolamprotes micella (Denis & Schiffermüller, 1775)

Dubravos Miškas f., 26 06 2005, 1♂ (R.F.).

Athrips pruinosa (Lienig & Zeller, 1846)

Viešvilė Nat. R. (6), 19 07 2007, 1♂ (B.P.).

Chionodes luctuella (Hübner, 1793)

Nemuno Kilpos Regional Park, 05 05 2008, 1♂ (V.T.).

Neofaculta infernella (Herrich-Schäffer, 1854)

Viešvilė Nat. R. (6), 14 05 2007, 1♂ (B.P.).

TORTRICIDAE

Cochylidia moguntiana (Rössler, 1864)

Viešvilė Nat. R. (2), 18 07 2007, 1♂ (B.P.); Braziūkai, 01 07 2008, 1♂ (V.T.).

***Cydia coniferana* (Saxesen, 1840)**

Braziūkai, 11 01 2008, 1♀ (V.T.).

***Strophedra nitidana* (Fabricius, 1794)**

Nemuno Kilpos Regional Park, 05 05 2008, 1♂ (V.T.).

Discussion

This study presents faunistic data on 17 rare and 3 very rare species of moths in Lithuania, belonging to five families of Lepidoptera. Three very rare species deserve a special attention:

(1) *Elachista sericornis* (Elachistidae) is a very rare species and it is known only by 17 specimens, caught in the eastern part of Lithuania in the 5 districts: Ignalina, Širvintos, Švenčionys, Trakai, Vilnius. (Sruoga & Ivinskis, 2005). *E. sericornis* larvae mine leaves of *Carex ericetorum*, *C. sylvatica* and ocreas of *Eriophorum vaginatum*. Although it is very rare in Lithuania, it is widely distributed in Europe (Traugott-Olsen & Nielsen, 1977).

(2) *Athrips pruinosa* (Gelechiidae) is a tyrophobiotic species occurring mostly on peatbogs (Spitzer *et al.*, 1999). There are only 2 records of this species in Lithuania. It was recorded from Pilionys (Laukėnų Pelkė bog) (Ivinskis, 2004) and the Čepkelių Raistas bog (Dapkus *et al.*, 2007). One specimen of *A. pruinosa* was found on the Artoji Pelkė bog in Viešvilė Strict Nature Reserve. Its larvae develop on the leaves of *Salix*, *Spiraea*, *Andromeda*, and *Vaccinium*. This species is local and usually rare in Central Europe (Elsner *et al.*, 1999) and it is included into the Red List of Germany as vulnerable species (Pröse *et al.*, 2003).

(3) *Cydia coniferana* (Tortricidae) was found in Braziūkai in Kaunas administrative district. There are 4 records of this species in the eastern part of Lithuania (Ivinskis, 2004). *C. coniferana* is widely distributed in Central Europe, but it is local and rare in all of the range (Razowski, 2001). It is included into the Red List of Germany (Pröse *et al.*, 2003). Its larvae develop on the needles of *Pinus* and *Abies* (Razowski, 2001).

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Nauji duomenys apie 20 retų drugių (Lepidoptera) rūšių Lietuvoje

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Santrauka

Šiame straipsnyje pateikiami nauji duomenys apie 20-ties retų drugių rūšių, kurių trys yra labai retos, radvietes Lietuvoje. Nurodoma drugių pagavimo vieta, laikas, individų skaičius. Aptariamos labai retos rūšys. Visa surinkta medžiaga saugoma Kauno T. Ivanausko Zoologijos muziejuje.

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