

INTERESTING FAUNISTIC DISCOVERIES OF BEETLE (INSECTA: COLEOPTERA) SPECIES IN PUNIOS ŠILAS NATURE RESERVE – THE OLDEST FOREST IN LITHUANIA

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Introduction

Punios šilas nature reserve (further Punios šilas) is located in the central part of Lithuania within the large loop formed by the river Nemunas. Unfragmented mixed forest covers undulating terrain. The uniqueness of this forest is the fact that commercial management was not intensive for at least several hundred years. Therefore, a decision was made to establish it as a botanical - zoological preserve in 1960. Additionally, a strict nature reserve was established in 4.2 sq. km. of the area at that time. Thanks to the efforts of numerous naturalists and nature researchers, the status of the botanical-zoological preserve was changed to the strict nature reserve in 2022, which currently covers an area of about 24 square kilometres. Although Punios šilas has exceptional value from a biodiversity point of view as a preserved old-growth natural forest with the highest abundance of protected species and ecosystem components in Lithuania, the studies of Coleoptera in this area were fragmental in the past. The published information of some records of rare beetle species is scattered among lots of faunistic papers (Ferenca, 2004; Ivinskis *et al.*, 2007, 2009; Tamutis *et al.*, 2010, 2015, 2019; Bukejs *et al.*, 2012; Ferenca *et al.*, 2018; Tamutis & Alekseev, 2020; Davenis *et al.*, 2022; Jaskula *et al.*, 2024).

Under the project the LIFE-IP-NATURALIT "Optimizing the management of Natura 2000 network in Lithuania" was planned to start multi-taxa forest monitoring including beetles in this unique area. Beetle monitoring was focused on determination of the structure of decaying wood-related (saproxylic) beetle assemblages, as one of the best bioindicators in this type of ecosystem, at pre-selected monitoring points.

This study presents the most interesting discoveries of beetles made during the first stage of beetle monitoring in the Punios šilas nature reserve.

Material and Methods

The majority of the material was collected by flight interception traps (FIT) in 2023 (Fig. 2). Altogether, 50 traps were installed in half of the territory of Punios šilas nature reserve at the specially selected monitoring places (marked with numbers and red dots on the map, Figure 1), which have been operating since May 19 till July 21, 2023. Additionally, herein we include the interesting discoveries of beetles made during previous studies or sampled using handling (HD) (marked with Latin letters and yellow dots on the

map). To include the beetle species in this paper, we applied the following criteria: 1) species classified as very rare or rare for Lithuanian fauna according to Pileckis and Monsevičius (1995, 1997); 2) species with actual faunistic information (containing exact

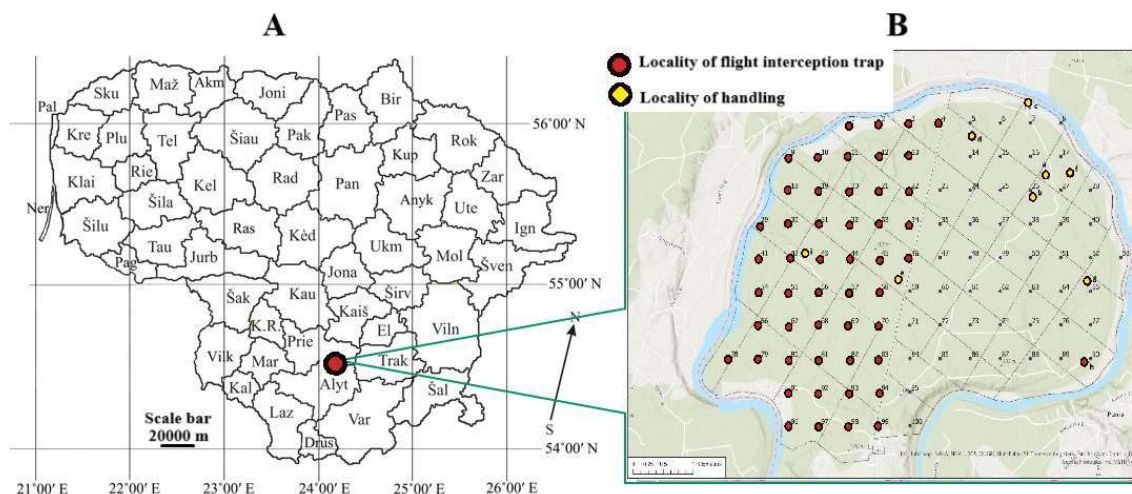


Figure 1. Map of Lithuania with grid of administrative units (A) and map of Punios šilas with grid of forest compartments and marked monitoring points (B).

Abbreviations used in the maps: Akm—Akmenė; Alyt—Alytus; Anyk—Anykščiai; B—Birštonas; Bir—Biržai; Drus—Druskininkai; El—Elektrėnai; Ign—Ignalina; Jona—Jonava; Joni—Joniškis; Jurb—Jurbarkas; Kaiš—Kašiadorys; Kal—Kalvarija; Kau—Kaunas; Kel—Kelmė; Kėd—Kėdainiai; Klai—Klaipėda; K.R.—Kazlų Rūda; Kre—Kretinga; Kup—Kupiškis; Laz—Lazdijai; Mar—Marijampolė; Maž—Mažeikiai; Mol—Molėtai; Ner—Neringa; Pag—Pagėgiai; Pak—Pakruojis; Pal—Palanga; Pan—Panevėžys; Pas—Pasvalys; Plu—Plungė; Prie—Prienai; Rad—Radviliškis; Ras—Raseiniai; Rie—Rietavas; Rok—Rokiškis; Sku—Skuodas; Šak—Šakiai; Šal—Šalčininkai; Šiau—Šiauliai; Šila—Šilalė, Šilu—Šilutė; Širv—Širvintos; Šven—Švenčionys; Tau—Tauragė; Tel—Telšiai; Trak—Trakai; Ukm—Ukmergė; Ute—Utena; Var—Varėna; Vilc—Vilkaviškis; Viln—Vilnius; Zar—Zarasai.

locality data and observation date) from Lithuania that have not been published previously, or actual faunistic information is known from less than ten municipalities (mun. - abbreviation below) mapped in Fig.1. The map of Lithuania is gridded using borders of administrative units (mun.) according to the document by the Government of the Republic of Lithuania, “Order of administrative units and its borders of the Republic of Lithuania” Order I–558 from July 19, 1994 (www.e-tar.lt/portal/lt/legalAct/TAR.0120FD7BCFFC/ZhxPsGFEbL). The territories of Birštonas, Kaunas town, Vilnius town, and Visaginas mun. were merged with territories of surrounding administrative units (district mun.) on the map in the following order: Birštonas - with Prienai District, Kaunas town - with Kaunas District, Vilnius town – with Vilnius District, and Visaginas – with Ignalina district mun.

Table 1. Characteristics of research areas in Punios šilas, types of stands were designated according to Karazija (2008): *Aeg-Querc* – *Aegopodio-Quercetum*; *Cal-grost-Bet-pub* – *Calama-grostido-Betuletum pubescentis*; *Car-irid-Aln* – *Carico-irido-Alnetum*; *Car-mix-frax* – *Carico-mixtoherbo-fraxinetum*; *Car-sphag-Pin* – *Carico-sphagno-Pinetum*; *Hep-oxalid-Querc* – *Hepatico-oxalido-Quercetum*; *Ledo-Sphag-Pin* – *Ledo-sphagno-Pinetum*; *Myr-Pin* – *Myrtillo-Pinetum*; *Myr-sphag-Pin* – *Myrtillo-sphagno-Pinetum*; *Ox-nem-Pic* – *Oxalido-nemoroso-Piceetum*; *Vac-myrt-Pin* – *Vaccinio-myrtillo-Pinetum*.

Research area	Coordinates WGS		Parameters of stands		
	North Latitude	East Longitude	Dominated tree species	Type of stands	Age of stand (years)
1	54.549623	24.030743	<i>Picea abies</i>	<i>Ox-nem-Pic</i>	70
2	54.549517	24.038227	<i>Picea abies</i>	<i>Myr-Pin</i>	40
3	54.549464	24.046742	<i>Alnus glutinosa</i>	<i>Car-mix-frax</i>	70
4	54.549727	24.054475	<i>Pinus sylvestris</i>	<i>Car-sphag-Pin</i>	40
9	54.545395	24.030743	<i>Picea abies</i>	Pure stand	35
10	54.545196	24.022972	<i>Picea abies</i>	<i>Myr-Pin</i>	100
11	54.545236	24.031040	<i>Picea abies</i>	<i>Myr-Pin</i>	100
12	54.544578	24.039128	<i>Picea abies</i>	<i>Vac-myrt-Pin</i>	70
13	54.545823	24.046242	<i>Picea abies</i>	<i>Myr-Pin</i>	100
18	54.540894	24.017341	<i>Picea abies</i>	<i>Ledo-Sphag-Pin</i>	60
19	54.540297	24.022834	<i>Picea abies</i>	<i>Myr-Pin</i>	60
20	54.541677	24.037824	<i>Pinus sylvestris</i>	<i>Vac-myrt-Pin</i>	40
21	54.541184	24.040293	<i>Picea abies</i>	<i>Car-mix-frax</i>	70
22	54.540496	24.038490	<i>Tilia cordata</i>	<i>Aeg-Querc</i>	60
29	54.535851	24.006925	<i>Picea abies</i>	<i>Hep-oxalid-Querc</i>	70
30	54.536024	24.015276	<i>Pinus sylvestris</i>	<i>Car-sphag-Pin</i>	100
31	54.535875	24.023109	<i>Alnus glutinosa</i>	<i>Car-irid-Aln</i>	forest gap
32	54.546233	24.030228	<i>Populus tremula</i>	<i>Ox-nem-Pic</i>	70
33	54.535955	24.038490	<i>Tilia cordata</i>	<i>Aeg-Querc</i>	60
34	54.535986	24.046027	<i>Pinus sylvestris</i>	<i>Myr-Pin</i>	80
41	54.531515	24.006773	<i>Pinus sylvestris</i>	<i>Myr-Pin</i>	forest gap
42	54.531477	24.015319	<i>Betula sp.</i>	<i>Cal-grost-Bet-pub</i>	35
43	54.532030	24.023799	<i>Tilia cordata</i>	<i>Aeg-Querc</i>	70
44	54.531236,	24.031434	<i>Alnus glutinosa</i>	<i>Car-irid-Aln</i>	60
45	54.531612	24.038902	<i>Picea abies</i>	<i>Myr-Pin</i>	40
46	54.531547	24.045995	<i>Quercus robur</i>	<i>Aeg-Querc</i>	70
54	54.526877	24.008144	<i>Pinus sylvestris</i>	<i>Myr-Pin</i>	80
55	54.527192	24.015011	<i>Pinus sylvestris</i>	<i>Myr-Pin</i>	80
56	54.526855	24.023061	<i>Pinus sylvestris</i>	<i>Myr-Pin</i>	60
57	54.532094	24.023267	<i>Pinus sylvestris</i>	<i>Myr-Pin</i>	70
58	54.527527	24.038845	<i>Betula sp.</i>	<i>Cal-grost-Bet-pub</i>	35
66	54.518145	24.007148	<i>Pinus sylvestris</i>	<i>Myr-Pin</i>	70
67	54.522219	24.015179	<i>Pinus sylvestris</i>	<i>Myr-Pin</i>	70
68	54.522820	24.023554	<i>Pinus sylvestris</i>	<i>Myr-Pin</i>	70
69	54.521977	24.030366	<i>Picea abies</i>	<i>Myr-sphag-Pin</i>	forest gap
70	54.522411	24.038614	<i>Betula sp.</i>	<i>Cal-grost-Bet-pub</i>	40
78	54.518458	24.000685	<i>Pinus sylvestris</i>	<i>Vac-myrt-Pin</i>	80

79	54.518145	24.007148	<i>Picea abies</i>	<i>Myr-Pin</i>	70
80	54.517939	24.014970	<i>Picea abies</i>	<i>Myr-Pin</i>	forest gap
81	54.518104	24.022894	<i>Picea abies</i>	<i>Myr-Pin</i>	60
82	54.518225	24.030838	<i>Picea abies</i>	<i>Myr-Pin</i>	80
83	54.518952	24.040188	<i>Tilia cordata</i>	<i>Hep-oxalid-Querc</i>	70
91	54.513606	24.015657	<i>Pinus sylvestris</i>	<i>Vac-myrt-Pin</i>	forest gap
92	54.513982	24.023842	<i>Alnus glutinosa</i>	<i>Car-irid-Aln</i>	60
93	54.513588	24.030266	<i>Picea abies</i>	<i>Ox-nem-Pic</i>	70
94	54.513803	24.038691	<i>Carpinus betulu</i>	<i>Aeg-Querc</i>	60
96	54.509522	24.015854	<i>Alnus glutinosa</i>	<i>Car-mix-frax</i>	70
97	54.508840	24.022962	<i>Quercus robur</i>	<i>Ox-nem-Pic</i>	80
98	54.508904	24.030713	<i>Tilia cordata</i>	<i>Aeg-Querc</i>	60
99	54.507506	24.037553	<i>Alnus glutinosa</i>	<i>Car-irid-Aln</i>	60
a	54.541952	24.081226	<i>Alnus glutinosa</i>	<i>Car-irid-Aln</i>	90
b	54.539444	24.077778	<i>Populus tremula</i>	<i>Ox-nem-Pic</i>	80
c	54.552516	24.075613	Bank of the river		
d	54.547578	24.062335	<i>Alnus glutinosa</i>	<i>Car-irid-Aln</i>	60
e	54.528200	24.043490	<i>Quercus robur</i>	<i>Ox-nem-Pic</i>	200
f	54.543466	24.088231	<i>Quercus robur</i>	<i>Ox-nem-Pic</i>	190
g	54.528611	24.092222	<i>Quercus robur</i>	<i>Ox-nem-Pic</i>	250
h	54.515964	24.090163	<i>Quercus robur</i>	<i>Ox-nem-Pic</i>	250
i	54.531455	24.019451	<i>Pinus sylvestris</i>	<i>Myr-Pin</i>	100

The list of beetle families and lower-rank taxa is presented in alphabetical order. The



Figure 2. Flight interception trap(FIT) installed.

systematic names and classification following the catalogues of Palaearctic Coleoptera (Alonso-Zarazaga *et al.*, 2023; Danilevsky 2020; Iwan & Löbl, 2020; Löbl & Löbl, 2015, 2016; 2017; Löbl & Smetana 2007). Faunistic information is given according to a formula and follow the information presented in the Table 1: [research area(-s)]; sampling period, given in Roman numerals: I – 19.05.2023-05.06.2023; II – 06.06.2023-30.06.2023; III – 01.07.2023-21.07.2023; IV – 27.06.2008; V – 04.06.2003; VI – 02.06.2022-22.06.2022; VII – 21.07.2023; VIII – 23.06.2022-15.07.2022; IX – 18.05.2022-02.06.2022; acronym of trapping (collecting) method; (number of trapped (observed) individuals given in the same order as the research areas); initials of collectors or observers. Examined material

was collected or observed by Vytautas Tamutis (V.T.), Romas Ferenca (R.F.), and Birutė Valatkienė (B.V.).

Examined material is deposited at Kaunas Tadas Ivanauskas Zoological Museum.

Species marked with single asterisk (*) – represent new records for the Punios šilas nature reserve; species marked with double asterisk (**) – are new for the fauna of Lithuania.

Annotated list of species

ADERIDAE

****Anidorus nigrinus* (Germar, 1842)**

Records: [10, 42], II, FIT, (1, 1), V.T.

Published data: Ignalina, Kaišiadorys, and Neringa mun. (Barševskis, 2001; Ferenca, 2004, 2005, 2006, 2007).

****Phytobaenus amabilis amabilis* R.F. Sahlberg, 1834**

Records: [13, 29, 30, 32, 56, 70, 79, 82, 93], I, FIT, (1, 1, 1, 1, 1, 1, 1, 1, 2), V.T.;

[10, 42, 45, 67, 69], II, FIT, (1, 1, 1, 1, 1), V.T.; [32, 34, 68, 80], III, FIT, (2, 1, 1, 1), V.T.

Published data: Kaišiadorys mun. (Lekoveckaitė *et al.*, 2019).

ANTHRIBIDAE

****Anthrribus nebulosus* Forster, 1770**

Records: [1, 9, 10, 12, 19, 20, 21, 22, 29, 41, 45, 54, 55, 66, 69, 92, 94], I, FIT, (1, 2, 1, 1, 1, 2, 3, 1, 1, 4, 2, 4, 3, 1, 2, 1, 1), V.T.; [2, 12, 18, 19, 21, 41, 45, 55, 56, 82, 93], II, FIT, (1, 1, 1, 1, 1, 1, 3, 1, 2, 1, 1), V.T.; [34, 41, 45, 93], III, FIT, (1, 2, 1, 1), V.T.; [W2], IX, FIT, (1), V.T.; [W2], VI, FIT, (1), V.T.

Published data: Kaunas and Vilnius mun. (Pileckis, 1968a; Ferenca, 2006; Tamutis & Sklodowski, 2012).

****Dissoleucas niveirostris* (Fabricius, 1798)**

Records: [29, 57, 69, 83, 93], I, FIT, (1, 1, 1, 1, 1), V.T.; [92], III, FIT, (1), V.T.

Published data: Kaunas, Molėtai, and Vilnius mun. (Miländer & Monsevičius, 1984; Gedminas, 2005; Ferenca *et al.*, 2006).

****Platyrhinus resinosus* (Scopoli, 1763)**

Records: [91], I, FIT, (1), V.T.

Published data: Joniškis, Kaunas, Lazdijai, Molėtai, and Ukmergė mun. (Pileckis & Monsevičius, 1982; Ferenca, 2003; Inokaitis, 2004; Pacevičius, 2019; Butvila *et al.*, 2007; Stanionis & Petrikas, 2011).

****Tropideres albirostris* (Schaller, 1783)**

Records: [30, 80, 91], I, FIT, (1, 1, 1), V.T.; [30], II, FIT, (1), V.T.

Published data: Anykščiai, Kaišiadorys, Kaunas, Molėtai, Panevėžys, Rokiškis, and Šakiai mun. (Pileckis & Monsevičius, 1982; Ferenca *et al.*, 2002, 2006; Inokaitis, 2004; Pacevičius, 2019; Obelevičius, 2015; Šablevičius & Ferenca, 1995; Šablevičius, 2003; Ostrauskas & Ferenca, 2010).

BOTHRIDERIDAE

****Bothrideres bipunctatus* (Gmelin, 1790)**

Records: [4], I, FIT, (1), V.T.

Published data: Druskininkai and Varėna mun. (Ferenca, 1988, 2004; Ferenca *et al.*, 2006).

BRENTIDAE

****Betulapion simile simile* (Kirby, 1811)**

Records: [13, 56, 69], I, FIT, (1, 1, 1), V.T.; [31, 58, 70, 82, 94], II, FIT, (1, 1, 1, 1, 1), V.T.

Published data: Alytus mun. (Ferenca, 2006).

****Oxystoma cracca* (Linnaeus 1767)**

Records: [79], II, FIT, (1), V.T.

Published data: Kaunas and Panevėžys mun. (Miländer, 1982; Ferenca, 2006).

BUPRESTIDAE

***Agrillus (*Quercuagrillus*) *sulcicollis* Lacordaire, 1835**

Records: [91], II, FIT, (1), V.T.; [45], III, FIT, (1), V.T.

Published data: Kaunas mun. (Inokaitis, 2009).

***Chrysobothris (s. str.) *affinis affinis* (Fabricius, 1794)**

Records: [4, 91], II, FIT, (1, 2), V.T.

Published data: Anykščiai, Ignalina, Kaišiadorys, Kaunas, Ukmergė, Šakiai, and Trakai mun. (Pileckis & Monsevičius, 1995; Šablevičius, 2003; Ferenca, 2004; Inokaitis, 2009, Stanionis & Petrikas, 2011).

***Buprestis *haemorrhoidalis* Herbst, 1780**

Records: [i], VII, HD, (1), V.T.

Published data: Rokiškis mun. (Ferenca, 2006).

BYTURIDAE

***Byturus *ochraceus* (Scriba, 1791)**

Records: [21], I, FIT, (1), V.T.; [32], II, FIT, (3), V.T.

Published data: Alytus, Kaunas, and Plungė mun. (Tamutis & Zolubas, 2001; Žiogas & Zolubas, 2005).

CANTHARIDAE

***Ancistronycha *violacea* (Paykull, 1798)**

Records: [96], I, FIT, (1), V.T.

Published data: Kaunas mun. (Pileckis & Monsevičius, 1995).

***Cantharis *nigra* (De-Geer, 1774)**

Records: [21], III, FIT, (1), V.T.

Published data: Panevėžys, Švenčionys, and Varėna mun. (Pileckis & Monsevičius, 1995; Ivinskis *et al.*, 2009; Ostrauskas & Ferenca, 2010).

***Cantharis *nigricans* (O.F. Müller, 1776).**

Records: [33, 34], I, FIT, (1, 1), V.T.; [1, 29, 30, 42, 58, 68, 70, 80, 92, 98], II, FIT, (2, 1, 2, 2, 1, 3, 1, 1, 1, 2), V.T.; [h], VI, FIT, (2), V.T.; [b], IV, HD, (1), R.F.

Published data: Panevėžys mun. (Ostrauskas & Ferenca, 2010).

***Cantharis *pellucida* Fabricius, 1792**

Records: [3, 12, 20, 57, 69, 80, 91, 93, 96], II, FIT, (1, 1, 1, 1, 1, 1, 3, 1, 1), V.T.; [13, 19, 29, 33, 42, 45, 56, 69, 79, 80, 91, 92, 93, 96, 98], II, FIT, (1, 3, 1, 1, 4, 2, 1, 4, 1, 1, 3, 1, 2, 2, 1), V.T.; [a], IV, HD, (1), R.F.

Published data: Kaunas and Varėna mun. (Ferenca, 2006).

***Malthinus (s. str.) *flaveolus* (Herbst, 1786)**

Records: [1, 11, 55, 66], II, FIT, (1, 1, 1, 1, 1), V.T.; [68, 98], III, FIT, (1, 1), V.T.; [a], IV, HD, (1), V.T.

Published data: Kaunas and Neringa mun. (Pileckis, 1963; Ferenca, 2004, 2006).

***Malthinus (s. str.) *biguttatus* (Linnaeus, 1758)**

Records: [66], II, FIT, (1), V.T.

Published data: Panevėžys, Šiauliai, Vilkaviškis, and Neringa mun. (Ferenca, 2004; Ivinskis *et al.*, 2009; Ostrauskas & Ferenca, 2010).

***Malthodes *brevicollis* (Paykull, 1798)**

Records: [54], I, FIT, (1), V.T.; [30], II, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

****Malthodes marginatus* (Latreille, 1806)**

Records: [80], II, FIT, (1), V.T.; [19, 21, 41, 42, 46, 54, 55, 57, 66, 67, 68, 69, 70, 82, 93], III, FIT, (2, 1, 1, 1, 2, 2, 4, 1, 1, 1, 1, 1, 2, 1), V.T.

Remarks. No previous published actual data from the country.

****Podabrus alpinus* (Paykull, 1798).**

Records: [99], II, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

****Podistra (Absidia) rufotestacea* (Letzner, 1845)**

Records: [18, 69], II, FIT, (2, 1), V.T.

Published data: Biržai mun. (Lekovickaitė *et al.*, 2019).

****Rhagonycha atra* (Linnaeus, 1767)**

Records: [4, 54], I, FIT, (1, 1), V.T.; [11, 54, 55, 66], II, FIT, (1, 1, 1, 1), V.T.

Published data: Varėna mun. (Monsevičius, 1988).

****Rhagonycha lignosa* (O. F. Müller, 1764)**

Records: [1, 12, 29, 70, 81, 83, 99], I, FIT, (1, 3, 1, 1, 1, 1, 1), V.T.; [19, 42, 43, 54, 55, 66, 79], II, FIT, (1, 1, 1, 1, 1, 1, 5), V.T.

Published data: Plungė and Neringa mun. (Pileckis, 1963; Žiogas & Zolubas, 2005).

CARABIDAE

****Acupalpus exiguus* Dejean, 1829**

Records: [30], I, FIT, (1), V.T.

Published data: Neringa mun. (Ferenca *et al.*, 2006).

****Badister (Baudia) dilatatus* Chaudoir, 1837**

Records: [a], IV, HD, forest swamps, (3), V.T.; [92], I, FIT, (1), V.T.

Published data: Alytus, Kaišiadorys, and Šilalė mun. (Pileckis & Monsevičius, 1982; Ferenca, 2004).

****Badister (Baudia) peltatus peltatus* (Panzer, 1796)**

Records: [20], II, FIT, (1), V.T.

Published data: Alytus, Panevėžys, Švenčionys, and Vilnius mun. (Ogijewicz, 1933; Sharova & Grüntal, 1973; Tamutis & Zolubas, 2001; Ferenca, 2006; Ivinskis *et al.*, 2008).

****Badister (Trimophus) sodalis* (Duftschmid, 1812)**

Records: [b], IV, HD, (1), V.T.

Published data: Panevėžys and Švenčionys mun. (Ferenca, 2006; Ivinskis *et al.*, 2008).

****Bembidion (Diplocampa) assimile* Gyllenhal, 1810**

Records: [d], IV, HD, (1), V.T.

Published data: Alytus, Kaunas, Palanga, Panevėžys, Ukmergė, and Vilnius mun. (Ogijewicz, 1933; Sharova & Grüntal, 1973; Dvilevičius *et al.*, 1988; Ferenca, 2006).

****Bembidion (Semicampa) schueppelii* Dejean, 1831**

Records: [d], IV, HD, (8), V.T.

Published data: Alytus mun. (Sharova & Grüntal, 1973).

****Dyschirius (Dyschiriodes) nitidus nitidus* (Dejean, 1825)**

Records: [c], IV; HD, (1), V.T.

Published data: Alytus and Šiauliai mun. (Sharova & Grüntal, 1973; Ferenca *et al.*, 2002).

****Dyschirius* (s. str.) *thorasicus* (P. Rossi, 1790) = *arenosus* (Stephens, 1827)**

Records: [c], IV, HD, (1), V.T.

Published data: Alytus, Kaunas, and Vilnius mun. (Roubal, 1910; Sharova & Grüntal, 1973; Ferenca, 2006).

****Harpalus (Semiophonus) signaticornis* (Duftschmid, 1812)**

Records: [79, 82], I, FIT, (1, 1), V.T.

Published data: Kaunas mun. (Tamutis, 2000; Tamutis *et al.*, 2004).

****Leistus rufomarginatus* (Duftschmid, 1812)**

Records: [56], I, FIT, (1), V.T.

Published data: Anykščiai, Jurbarkas, Kazlų Rūda, Kaunas, Kretinga, and Neringa mun. (Barševskis, 2001; Ivinskis *et al.*, 2009; Tamutis, 2012; Tamutis *et al.*, 2015).

****Limodromus krynickii* (Sperk, 1835)**

Records: [99], II, FIT, (1), V.T.

Published data: Akmenė, Varėna, and Švenčionys mun. (Pileckis & Monsevičius, 1982; Ivinskis *et al.*, 2008).

CERAMBYCIDAE

***Callidium (Callidostola) aeneum aeneum* (DeGeer, 1775)**

Records: [55, 66, 79], I, FIT, (1, 1, 1), V.T.

Published data: Kaunas and Vilnius mun. (Inokaitis, 2004; Zawadski, 1937).

****Clytus (s. str.) arietis arietis* (Linnaeus, 1758)**

Records: [1, 3, 21, 31, 32, 79, 82, 92], I, FIT, (3, 1, 1, 1, 1, 2, 1, 1), V.T.; [1, 29, 31, 80, 91, 92], II, FIT, (1, 1, 1, 1, 1, 1), V.T.; [3, 10], III, FIT, (1, 1), V.T.; [h], VI, FIT, (1), V.T.

Published data: Anykščiai, Jonava, Joniškis, Kaunas, Šilutė, Ukmergė, and Vilnius mun. (Pileckis & Monsevičius, 1997; Butvila *et al.*, 2007; Stanionis & Petrikas, 2011; Inokaitis, 2004; Ivinskis *et al.*, 2009; Obelevičius, 2015).

***Cortodera femorata* (Fabricius, 1787)**

Records: [19, 30, 55, 68, 79], I, FIT, (1, 1, 2, 1, 1), V.T.; [82], II, FIT, (1), V.T.; [h], VI, FIT, (1), V.T.

Published data: Alytus (Punios šilas), Ignalina, Jonava, Jurbarkas, Kaunas, Kupiškis, Šiauliai, Ukmergė, and Vilnius, mun. (Pileckis & Monsevičius, 1997; Butvila *et al.*, 2007; Stanionis & Petrikas, 2011; Inokaitis, 2004, 2009; Ostrauskas, 2020; Tamutis & Alekseev, 2020; Šablevičius, 2003, 2004).

***Judolia sexmaculata* (Linnaeus, 1758)**

Records: [21, 55, 69], I, FIT, (2, 1, 1), V.T.; [1, 13, 29, 30, 58, 66, 69, 91], II, FIT, (2, 1, 1, 1, 1, 1, 1), V.T.

Published data: Akmenė, Alytus (Punios šilas), Anykščiai, Joniškis, Kaišiadorys, Kaunas, Kazlų Rūda, Klaipėda, Kupiškis, Šakiai, Šiauliai, Širvintos, and Tauragė mun. (Pileckis, 1963; Inokaitis, 2004, 2009; Tamutis & Alekseev, 2020).

****Leiopus taeniatus* Gmelin, 1790 = *L. linnei* Wallin, Nylander & Kvamme, 2009**

Records: [78], II, FIT, (3), V.T.

Remarks. No previous published actual data from the country.

***Necydalis (s. str.) major* Linnaeus, 1758**

Records: [19], III, FIT, (1), V.T.

Published data: Alytus (Punios šilas), Kaunas, Prienai, Tauragė, Trakai, and Vilnius mun. (Pileckis, 1960; Ivinskis *et al.*, 2009; Davenis *et al.*, 2022; Ferenca, 2004; Inokaitis, 2009; Sruoga, 2008; Uselis *et al.*, 2007).

Remarks. Sibero-European-Far Eastern species, listed in the Red Data Book of Lithuania and categorised as near threatened (Tamutis, 2021b).

****Obrium brunneum* (Fabricius, 1792)**

Records: [12, 20, 54, 55, 66, 68, 70, 79, 82, 96], I, FIT, (1, 1, 3, 1, 1, 3, 1, 2, 3, 2), V.T.; [20, 66, 67, 82, 92], II, FIT, (1, 2, 1, 1, 2), V.T.; [54], III, FIT, (1), V.T.

Published data: Anykščiai, Kaunas, Lazdijai, Neringa, and Ukmergė mun.

(Šablevičius, 2004; Ferenca, 2004, 2006b; Ivinskis *et al.*, 2009; Obelevičius, 2015, 2016; Ostrauskas & Tamutis, 2012; Stanionis & Petrikas, 2011).

****Oplosia cinerea* (Mulsant, 1839)**

Records: [43, 93], II, FIT, (3, 10), V.T.; [93], III, FIT, (1), V.T.; [h], VIII, FIT, (1), V.T.

Published data: Kaunas mun. (Ferenca, 2004; Inokaitis, 2004).

****Phymatodes (Poecilium) alni alni* (Linnaeus, 1767)**

Records: [31], I, FIT, (1), V.T.

Published data: Kaišiadorys, Kaunas, and Ukmergė mun. (Ferenca *et al.*, 2006; Inokaitis, 2009; Stanionis & Petrikas, 2011).

***Plagionotus detritus detritus* (Linnaeus, 1758)**

Records: [43], III, FIT, (1), V.T.

Published data: Alytus (Punios šilas), Ignalina, Kaišiadorys, Kaunas, and Ukmergė mun. (Šablevičius, 2003; Inokaitis, 2004; Ivinskis *et al.*, 2009; Stanionis & Petrikas, 2011).

****Ropalopus (s. str.) macropus* (Germar, 1824)**

Records: [58], I, FIT, (1), V.T.; [33, 58], II, FIT, (1, 2), V.T.; [h], VIII, FIT, (1), V.T.

Published data: Kaunas and Ukmergė mun. (Inokaitis, 2004, 2009; Tamutis, 2003; Stanionis & Petrikas, 2011).

****Stictoleptura (Varileptura) vairicornis* (Dalman, 1817)**

Records: [43], III, FIT, (1), V.T.

Remarks. It is the first true record of this species in Lithuania (Tamutis & Alekseev, 2020).

CERYLONIDAE

****Cerylon fagi* Brisout de Barnevillei, 1867**

Records: [12, 34, 46, 54, 94, 98, 99], I, FIT, (1, 1, 1, 1, 1, 1, 1), V.T.; [13, 69, 79, 80, 98], II, FIT, (2, 1, 1, 1, 1), V.T.; [18], III, FIT, (1), V.T.

Published data: Akmenė and Varėna mun. (Monsevičius, 1988).

****Cerylon ferrugineum* Stephens, 1830**

Records: [32, 81, 92, 94, 96, 98, 99], I, FIT, (1, 1, 1, 1, 2, 1, 1), V.T.; [43, 69, 81, 83, 92, 93, 98], II, FIT, (1, 1, 1, 1, 1, 1, 2), V.T.

Remarks. No previous published actual data from the country.

****Cerylon histeroides* (Fabricius, 1792)**

Records: [1, 45, 46, 66, 69, 79, 82, 92, 97, 98], I, FIT, (1, 1, 1, 1, 2, 1, 1, 1, 1, 1), V.T.;

[3, 18, 30, 32, 42, 54, 58, 67, 69, 79, 80, 81, 93, 94, 98], II, FIT, (1, 1, 2, 1, 1, 1, 2, 1, 2, 1, 1, 1, 1, 1), V.T.; [11, 93], III, FIT, (1, 1), V.T.

Remarks. No previous published actual data from the country.

CIIDAE

****Cis boleti* (Scopoli, 1763)**

Records: [46, 83], I, FIT, (2, 1), V.T.; [30], III, FIT, (1), V.T.

Published data: Kaišiadorys and Vilnius mun. (Miländer & Monsevičius, 1984; Šablevičius & Ferenca *et al.*, 1995).

****Cis festivus* (Panzer, 1793)**

Records: [93], I, FIT, (1), V.T.

Published data: Vilnius mun. (Šablevičius & Ferenca, 1995).

****Cis fissicornis* Mellié, 1849**

Records: [30], I, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

****Cis glabratus* Mellié, 1849**

Records: [68], III, FIT, (1), V.T.

Published data: Kaunas and Šiauliai mun. (Ferenca *et al.*, 2006).

****Cis micans* (Fabricius, 1792)**

Records: [96], I, FIT, (1), V.T.; [3], II, FIT, (1), V.T.

Published data: Jurbarkas mun. (Pileckis & Jakaitis, 1989).

****Cis punctulatus* Gyllenhal, 1827**

Records: [79, 83], I, FIT, (2, 1), V.T.; [79, 98], II, FIT, (1, 1), V.T.

Published data: Akmenė mun. (Monsevičius & Pankevičius, 2001).

****Ennearthron cornutum* (Gyllenhal, 1827)**

Records: [97], II, FIT, (1), V.T.

Published data: Šiauliai mun. (Ostrauskas & Ferenca, 2010).

****Hadreule elongatula* (Gyllenhal, 1827)**

Records: [80], II, FIT, (1), V.T.

Published data: Kaišiadorys and Kaunas mun. (Šablevičius & Ferenca, 1995; Tamutis & Zolubas, 2001).

****Octotemnus glabriculus* (Gyllenhal, 1827)**

Records: [10], II, FIT, (1), V.T.

Published data: Vilnius mun. (Miländer & Monsevičius, 1984).

****Orthocis alni* (Gyllenhal, 1813)**

Records: [1, 9, 29, 54], I, FIT, (1, 1, 1, 1), V.T.; [1, 34], II, FIT, (1, 1), V.T.; [43, 93], III, FIT, (1, 1), V.T.

Published data: Alytus, Kaunas, and Vilnius mun. (Miländer & Monsevičius, 1984; Tamutis & Zolubas 2001; Gedminas, 2005).

****Orthocis reflexicollis* (Abeille de Perrin, 1874) = *lucasi* (Abeille de Perrin, 1874)**

Records: [30], II, FIT, (1), V.T.

Published data: Kaišiadorys and Vilnius mun. (Ivinskis *et al.*, 2015).

****Ropalodontus perforatus* (Gyllenhal, 1813)**

Records: [13], II, FIT, (1), V.T.

Published data: Akmenės mun. (Monsevičius & Pankevičius, 2001).

CLERIDAE

****Korynetes caeruleus* (DeGeer, 1775)**

Records: [81], I, FIT, (3), V.T.; [81], II, FIT, (1), V.T.

Published data: Rokiškis mun. (Slavinskas, 1982; Ostrauskas & Ferenca, 2010).

****Thanasimus femoralis* (Zetterstedt, 1828)**

Records: [34, 45, 91], II, FIT, (1, 3, 1), V.T.

Published data: Alytus, Kaunas, Rokiškis, and Šiauliai mun. (Tamutis & Zolubas, 2001; Ferenca, 2004; Ostrauskas & Ferenca, 2010).

****Tillus elongatus* (Linnaeus, 1758)**

Records: [80], II, FIT, (1), V.T.; [92], III, FIT, (1), V.T.

Published data: Joniškis, Kaunas, Panevėžys, Šakiai, and Švenčionys mun. (Ferenca,

2004, 2006; Butvila *et al.*, 2007; Inokaitis, 2009; Ivinskis *et al.*, 2009).

COCCINELLIDAE

**Calvia decemguttata* (Linnaeus, 1767)

Records: [29, 32, 70, 96], I, FIT, (1, 1, 1, 1), V.T.; [70], II, FIT, (1), V.T.; [91], III, FIT, (1), V.T.

Published data: Alytus, Kaunas, and Prienai mun. (Ferenca, 2006; Tamutis & Sklodowski, 2012; Ivinskis *et al.*, 2009).

**Harmonia axyridis* (Pallas, 1773)

Records: [31, 69, 91], III, FIT, (2, 1, 1), V.T.

Published data: Neringa and Varėna mun. (Nagročkaitė *et al.*, 2011; Ivinskis *et al.*, 2017).

Sospita vigintipunctata (Linnaeus, 1758)

Records: [31], III, FIT, (1), V.T.

Published data: Jurbarkas, Kaunas, Molėtai, and Zarasai mun. (Ferenca, 2006; Ferenca *et al.*, 2002; Pacevičius, 2019).

**Vibidia duodecimguttata* (Poda von Neuhaus, 1761)

Records: [54], III, FIT, (1), V.T.

Published data: Molėtai mun. (Pacevičius, 2019).

CORYLOPHIDAE

**Arthrolips obscura* (C. R. Sahlberg, 1833)

Records: [91], I, FIT, (1), V.T.; [31], II, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

**Orthoperus atomus* (Gyllenhal, 1808)

Records: [41, 70, 93], II, FIT, (1, 1, 1), V.T.

Published data: Kaunas mun. (Tamutis, 2003).

CRYPTOPHAGIDAE

***Atomaria (Anchicera) ornata* Heer, 1841

Records: [45], II, FIT, (1), V.T., (Fig. 3).

Remarks. External morphological characters of specimen we discovered is consistent with the description of this species given by Lohse (1967). The distribution range goes from Great Britain to North Ossetia (Lyubarski, 2017); its northern border reaches Finland (Rassi *et al.*, 2015), to the South it goes to the Italy, Greece (Johnson *et al.*, 2007). The nearest discoveries of this species are from Poland (Burakowski *et al.*, 1986).

**Atomaria (Anchicera) turgida* Erichson, 1846

Records: [4, 13, 19, 55], I, FIT, (1, 4, 1, 2), V.T.; [13, 43, 46, 55], II, FIT, (1, 1, 1, 2), V.T.; [45], III, FIT, (1), V.T.

Published data: Alytus, Akmenė, and Kupiškis mun. (Tamutis & Zolubas, 2001; Monsevičius & Pankevičius, 2001).

**Atomaria (Anchicera) zetterstedti* (Zetterstedt, 1838)

Records: [19], II, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

**Cryptophagus scutellatus* Newman, 1834

Records: [46, 56], II, FIT, (1, 1), V.T.

Remarks. No previous published actual data from the country.

**Micrambe abietis* (Paykull, 1798)

Records: [98], II, FIT, (1), V.T.; [45], III, FIT, (1), V.T.

Published data: Alytus, Kaunas, Neringa, and Švenčionys mun. (Tamutis & Zolubas, 2001; Ivinskis *et al.*, 2009; Tamutis, 2012).

CUCUJIDAE

****Cucujus cinnaberinus* (Scopoli, 1763)**

Records: [19, 22, 29, 32, 34, 46, 98], I, FIT, (1, 1, 1, 1, 1, 1, 1), V.T.; [67], II, FIT, (1), V.T.

Published data: Kaišiadorys, Kaunas, Raseiniai, Ukmergė, Varėna, and Vilnius mun. (Stanionis & Petrikas, 2011; Pileckis, 1960; Inokaitis, 2004, 2009; Mulerčikas *et al.*, 2011; Ferenca, 2004; Vitkauskas, 2007; Ivinskis *et al.*, 2004, 2007; Švitra & Aliukonis, 2009).

Remarks. European species, listed in the Red Data book of Lithuania and categorized as endangered (EN) (Ferenca, 2021b).

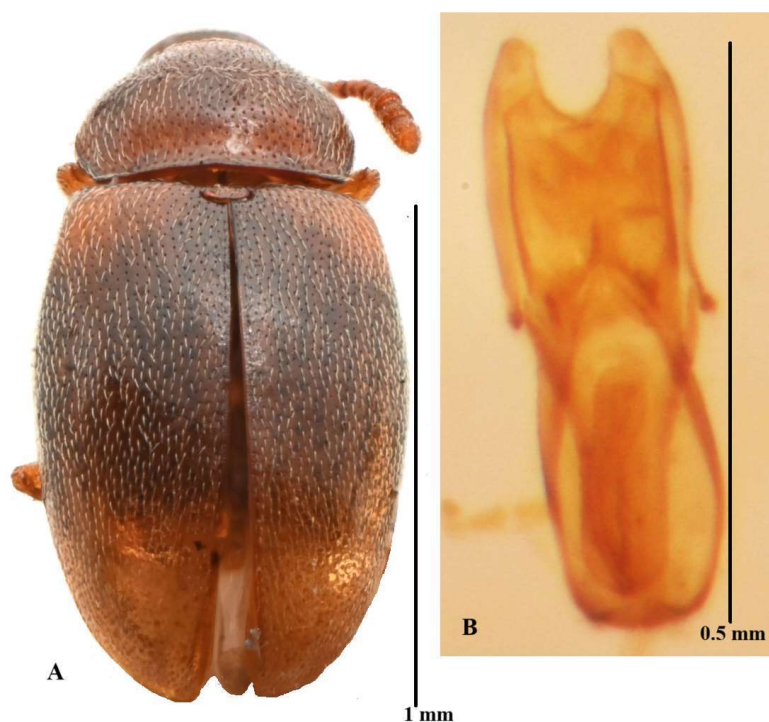


Figure 3. *Atomaria (Anchicera) ornata* Heer, 1841 (male): A- habitus, B – genitalia. Photo A by Kazimieras Martinaitis, B by Vytautas Tamutis

CURCULIONIDAE

****Anisandrus dispar* (Fabricius, 1792)**

Records: [3, 33, 58, 94], I, FIT, (1, 1, 1, 1), V.T.

Published data: Kaunas mun. (Pileckis, 1963).

****Brachonyx pineti* (Paykull, 1792)**

Records: [81], I, FIT, (1), V.T.; [34, 68], III, FIT, (1, 1), V.T.

Published data: Ignalina, Jurbarkas, and Panevėžys mun. (Žiogas & Zolubas, 2005; Tamutis, 2012; Ferenca, 2006).

****Ceutorhynchus pervicax* Weise, 1883**

Records: [2], II, FIT, (1), V.T.

Published data: Vilnius mun. (Miländer, 1982).

****Coeliodinus phrymos* Alonso-Zarazaga & Colonnelli, 2017**

Records: [13], I, FIT, (1), V.T.; [99], II, FIT, (1), V.T.

Published data: Panevėžys and Varėna mun. (Žiogas & Zolubas, 2005; Ferenca, 2006).

Remarks. The species *Coeliodinus phrymos* Alonso-Zarazaga & Colonnelli, 2017 previously was misidentified as *Curculio rubicundus* Herbst (Alonso-Zarazaga *et al.*, 2017).

****Cryphalus asperatus* (Gyllenhal, 1813) = *Cryphalus abietis* (Ratzeburg, 1837)**

Records: [19], II, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

****Crypturgus hispidulus* C. G. Thomson, 1870**

Records: [4, 10, 11, 19, 22, 32, 33, 34, 45, 55, 56, 66, 70, 82, 83, 93, 98], I, FIT, (1, 1, 2, 1, 1, 3, 1, 1, 2, 7, 2, 2, 2, 1, 1, 1, 1), V.T.; [3, 10, 11, 13, 30, 32, 34, 45, 55, 79, 80, 92, 93, 98], II, FIT, (1, 1, 2, 1, 1, 1, 1, 1, 7, 1, 1, 1, 1, 1), V.T.; [18, 21, 41, 45, 46, 55], III, FIT, (1, 1, 1, 10, 1, 1), V.T.

Published data: Akmenė, Klaipėda, and Varėna mun. (Monsevičius, 1988; Ostrauskas & Tamutis, 2012).

****Crypturgus subcribrosus* Eggers, 1933**

Records: [2, 13, 32, 45, 55], I, FIT, (4, 1, 1, 3, 1), V.T.; [4, 31, 45, 55, 79, 82], II, FIT, (1, 2, 6, 7, 1, 2), V.T.; [10, 21, 33, 45], III, FIT, (2, 1, 1, 8), V.T.

Remarks. No previous published actual data from the country.

****Dorytomus* (s. str.) *schoenherri schoenherri* Faust, 1883**

Records: [9], II, FIT, (1), V.T.

Published data: Kaunas mun. (Ferenca, 2006).

****Dryocoetes hectographus* Reitter, 1913**

Records: [13, 33, 78, 81, 83, 98], III, FIT, (11, 2, 1, 1, 1, 2), V.T.

Published data: Kaunas mun. (Pileckis, 1963).

****Dryocoetes villosus villosus* (Fabricius, 1792)**

Records: [13], II, FIT, (1), V.T.; [32], III, FIT, (1), V.T.; [h], VIII, FIT, (1), V.T.

Published data: Mažeikiai mun. (Pileckis & Monsevičius, 1997).

****Dryophthorus corticalis* (Paykull, 1792)**

Records: [93], III, FIT, (1), V.T.

Published data: Kaunas and Švenčionys mun. (Pileckis, 1963; Šablevičius, 2004; Ferenca *et al.*, 2006).

****Ernoporos tiliae* (Panzer, 1793)**

Records: [55, 56], II, FIT, (1, 1), V.T.; [97], III, FIT, (1), V.T.

Published data: Kaunas mun. (Tamutis & Zolubas, 2001).

****Heteroborips cryptographus* (Ratzeburg, 1837)**

Records: [19, 32], I, FIT, (1, 6), V.T.; [32], II, FIT, (1), V.T.; [32], III, FIT, (1), V.T.

Remarks. The genus name resurrected by Mandelshtam *et al.* (2019). The species was listed as *Xyleborus cryptographus* (Ratzeburg, 1937) in Lithuania (Tamutis *et al.*, 2011). No previous published actual data from the country.

****Hylastes pinicola* (Bedel, 1888) = *Hylastes ater* (Paykull, 1800)**

Records: [2], I, FIT, (1), V.T.; [79, 98], II, FIT, (1, 1), V.T.

Published data: Kaunas, Klaipėda, Panevėžys, and Plungė mun. (Žiogas & Zolubas, 2005; Ferenca, 2006; Ostrauskas & Tamutis, 2012).

****Hylastes cunicularius* Erichson, 1836**

Records: [4, 9, 13, 19, 21, 22, 41, 42, 45, 54, 55, 57, 66, 68, 81, 82, 83, 98, 99], I, FIT,

(5, 5, 5, 1, 1, 1, 1, 1, 2, 1, 2, 2, 1, 2, 3, 8, 2, 2, 1), V.T.; [12, 13, 19, 22, 13, 45, 66, 67], II, FIT, (1, 1, 1, 1, 1, 1, 1, 1), V.T.; [12, 99], III, FIT, (1, 1), V.T.; [h], IX, FIT, (7), V.T.; [h], VI, FIT, (8), V.T.

Published data: Alytus, Kaunas, Klaipėda, and Lazdijai mun. (Tamutis & Zolubas, 2001; Ostrauskas & Tamutis, 2012).

****Hylastes opacus* Erichson, 1836**

Records: [13], I, FIT, (1), V.T.

Published data: Alytus and Kaunas mun. (Tamutis & Zolubas, 2001).

****Magdalis (Porrothus) cerasi* (Linnaeus, 1758)**

Records: [41, 58], II, FIT, (1, 1), V.T.

Remarks. No previous published actual data from the country.

****Magdalis (s. str.) frontalis* (Gyllenhal, 1827)**

Records: [12], I, FIT, (1), V.T.

Published data: Alytus mun. (Zajančkauskas & Pileckis, 1968).

****Magdalis (s. str.) linearis* (Gyllenhal, 1827)**

Records: [41], II, FIT, (1), V.T.

Published data: Šiauliai mun. (Ostrauskas & Ferenc, 2010).

****Magdalis (s. str.) nitida* (Gyllenhal, 1827)**

Records: [10], I, FIT, (1), V.T.; [2, 41], II, FIT, (1, 1), V.T.; [10], III, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

****Magdalis (s. str.) phlegmatica* (Herbst, 1797)**

Records: [68, 79], I, FIT, (1, 1), V.T.

Remarks. No previous published actual data from the country.

****Phloeotribus spinulosus* (Rey, 1883)**

Records: [66], I, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

****Phyllobius (Subphyllobius) virideaeris* (Laicharting, 1781)**

Records: [68], II, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

****Pissodes (s. str.) harcyniae* (Herbst, 1795)**

Records: [10, 20], I, FIT, (1, 1), V.T.

Remarks. No previous published actual data from the country.

****Pissodes (s. str.) piniphilus* (Herbst, 1797)**

Records: [8], II, FIT, (1, 1), V.T.

Published data: Kaunas mun. (Gedminas, 2005).

****Pityophthorus glabratus* Eichhoff, 1878**

Records: [22, 56], I, FIT, (1, 1), V.T.

Remarks. No previous published actual data from the country.

****Pityophthorus lichtensteini* (Ratzeburg, 1837)**

Records: [33, 34], I, FIT, (1, 1), V.T.; [41], II, FIT, (4), V.T.

Published data: Neringa mun. (Ferenc, 2004).

****Pityophthorus pityographus pityographus* (Ratzeburg, 1837)**

Records: [4, 10, 55], I, FIT, (1, 1, 1), V.T.; [4, 10, 55], II, FIT, (1, 3, 3), V.T.; [10], III, FIT, (6), V.T.

Published data: Kaunas, Klaipėda, Molėtai, Lazdijai, and Radviliškis mun. (Tamutis, 2003, 2004; Ostrauskas & Tamutis, 2012).

**Rhyncolus (s. str.) ater ater* (Linnaeus, 1758)

Records: [83], I, FIT, (1), V.T.; [1], II, FIT, (1), V.T.

Published data: Neringa mun. (Šablevičius, 2003).

***Rhyncolus (s. str.) punctatulus* Boheman, 1838

Records: [12], II, FIT, (1), V.T., (Fig. 4).

Remarks. External morphological characters of specimen we discovered is consistent with the description of this species given by Smreczyński (1972). The distribution range goes from Spain to Ukraine and Armenia Alonso-Zarazaga *et al.*, 2023); its northern border reaches Estonia (Süda, 2009b), to the South it goes to the Italy, Bosnia and Herzegovina, Lebanon, Syria (Alonso-Zarazaga *et al.*, 2023). The nearest discoveries of this species are from Poland (Cholewicka, 1981).

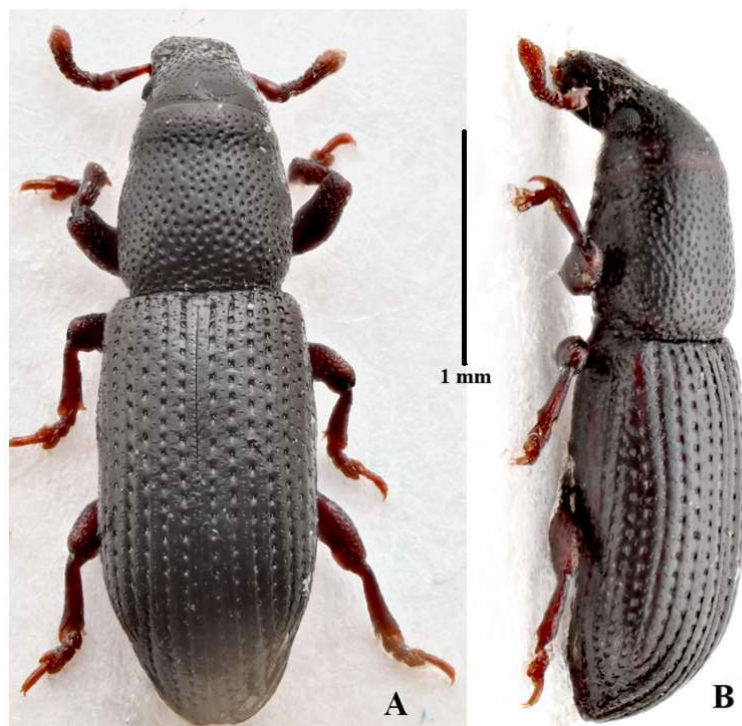


Figure 4. Habitus of *Rhyncolus (s. str.) punctatulus* Boheman, 1838: A – top view, B – side view. Photos by Kazimieras Martinaitis.

**Rhyncolus (s. str.) sculpturatus* Walth, 1839

Records: [30, 81], I, FIT, (1, 1), V.T.; [18, 41, 54], II, FIT, (1, 1, 1), V.T.

Published data: Lazdijai mun. (Ferenca *et al.*, 2006).

**Scolytus intricatus* (Ratzeburg, 1837)

Records: [80], I, FIT, (1), V.T.; [1, 32, 41, 45, 82, 97], II, FIT, (1, 1, 1, 2, 1, 1), V.T.; [80], III, FIT, (1), V.T.

Published data: Kaunas mun. (Gedminas, 2005).

**Tanysphyrus lemnae* (Fabricius, 1792)

Records: [a], IV, HD, forest swamps, (1), V.T.

Published data: Lazdijai mun. (Ferenca *et al.*, 2006).

**Trypodendron domesticum* (Linnaeus, 1758)

Records: [2, 3, 13, 30, 33, 93], I, FIT, (2, 1, 2, 1, 1, 1), V.T.; [66, 81, 93], II, FIT, (1, 1, 1), V.T.

Published data: Anykščiai, Jonava, Kaišiadorys, Kaunas, and Klaipėda mun. (Gaidienė

& Ferenca, 1988; Monsevičius, 1988; Stanionis & Petrikas, 2011; Ostrauskas & Tamutis, 2012).

**Trypodendron signatum* (Fabricius, 1792)

Records: [2, 3, 10, 13, 32, 79, 91, 94], I, FIT, (1, 1, 1, 3, 1, 1, 1, 1), V.T.; [10, 55, 91], II, FIT, (1, 1, 3), V.T.; [10, 12, 41, 54, 56, 93, 97], III, FIT, (2, 1, 1, 1, 1, 3, 3), V.T.

Published data: Kaunas, Klaipėda, and Lazdijai mun. (Ferenca, 2006; Ostrauskas & Tamutis, 2012).

**Xyleborinus saxesenii* (Ratzeburg, 1837)

Records: [2, 3, 11, 13, 21, 22, 32, 70, 99], I, FIT, (1, 6, 1, 4, 1, 2, 1, 1, 1), V.T.; [31, 57, 79], II, FIT, (1, 1, 1), V.T.; [3, 91], III, FIT, (2, 1), V.T.; [h], IX, FIT, (8), V.T.

Published data: Klaipėda mun. (Ostrauskas & Tamutis, 2012).

**Xyleborus monographus* (Fabricius, 1792)

Records: [45, 82], I, FIT, (1, 2), V.T.; [81, 91], II, FIT, (1, 1), V.T.

Published data: Kaunas mun. (Pileckis & Monsevičius, 1997).

DASYTIDAE

**Aplocnemus nigricornis nigricornis* (Fabricius, 1792)

Records: [3], I, FIT, (1), V.T.; [45], III, FIT, (1), V.T.

Published data: Panevėžys, Varėna, and Vilnius mun. (Ferenca, 2003; Ivinskis *et al.*, 2009; Ostrauskas & Ferenca, 2010).

**Dasytes obscurus* Gyllenhal, 1813

Records: [69], I, FIT, (1), V.T.; [69], II, FIT, (4), V.T.; [66, 80], III, FIT, (1, 1), V.T.

Remarks. No previous published actual data from the country.

**Dasytes plumbeus* (O. F. Müller, 1776)

Records: [10, 12, 20, 22, 31, 34, 41, 42, 43, 55, 56, 58, 69, 79, 80, 81, 82, 83, 91, 92, 93, 96], I, FIT, (3, 1, 1, 1, 2, 1, 4, 3, 1, 3, 1, 1, 1, 1, 3, 2, 2, 12, 4, 1, 2), V.T.; [1, 2, 3, 10, 11, 12, 18, 19, 20, 29, 30, 31, 32, 33, 34, 41, 42, 43, 45, 46, 55, 56, 66, 67, 79, 80, 81, 82, 83, 91, 92, 93, 96, 97, 98, 99], II, FIT, (4, 24, 7, 1, 9, 3, 3, 3, 1, 1, 3, 10, 2, 2, 1, 2, 3, 7, 34, 6, 7, 1, 2, 1, 3, 5, 1, 1, 4, 7, 12, 1, 3, 2, 1, 1), V.T.; [2, 10, 12, 19, 34, 55, 68, 79, 82, 91, 94, 96, 98], III, FIT, (1, 1, 1, 1, 2, 1, 1, 1, 1, 2, 2, 1, 1), V.T.; [h], VI, FIT, (6), V.T.; [h], VIII, FIT, (10), V.T.

Published data: Alytus, Kaunas, Panevėžys, Plungė, Rokiškis, Šiauliai, Tauragė, and Trakai mun. (Tamutis & Zolubas, 2001; Žiogas & Zolubas, 2005; Ostrauskas & Ferenca, 2010).

DERMESTIDAE

**Anthrenus (Florilinus) museorum* (Linnaeus, 1761)

Records: [3], I, FIT, (1), V.T.; [98], III, FIT, (1), V.T.

Published data: Alytus and Kaunas mun. (Pileckis, 1960; Ostrauskas & Ferenca, 2010).

**Attagenus* (s. str.) *schaefferi schaefferi* (Herbst, 1792)

Records: [41], II, FIT, (1), V.T.; [91], III, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

**Ctesias* (s. str.) *serra* (Fabricius, 1792)

Records: [12, 31, 34, 41, 42, 54, 55, 68, 81, 91], I, FIT, (2, 4, 6, 8, 1, 1, 1, 2, 3), V.T.; [18, 19, 30, 31, 34, 41, 43, 45, 46, 54, 55, 56, 66, 67, 68, 78, 79, 81, 82, 83, 91, 92, 97, 98], II, FIT, (12, 3, 3, 7, 2, 5, 1, 1, 1, 7, 54, 19, 2, 17, 12, 11, 9, 18, 25, 1, 12, 1, 1, 1), V.T.; [55, 66], III, FIT, (1, 1), V.T.

Remarks. No previous published actual data from the country.

****Megatoma* (s. str.) *undata* (Linnaeus, 1758)**

Records: [12, 19, 30, 31, 34, 41, 42, 45, 55, 56, 66, 68, 69, 79, 80, 81, 82, 91, 92, 97], I, FIT, (5, 2, 2, 1, 2, 4, 3, 1, 7, 6, 6, 5, 2, 1, 2, 3, 10, 1, 1, 1), V.T.; [19, 29, 30, 42, 43, 54, 55, 66, 67, 68, 78, 79, 80, 81, 82, 83, 91, 97, 98], II, FIT, (2, 1, 1, 4, 2, 4, 5, 4, 4, 4, 1, 4, 1, 1, 6, 1, 1, 1, 1), V.T.; [81], III, FIT, (1), V.T.

Published data: Ignalina, Kaunas, and Trakai mun. (Pileckis, 1963; Ferenca, 2006; Tamutis & Zolubas, 2001; Žiogas & Zolubas, 2005).

DRILIDAE

****Drilus concolor* Ahrens, 1812**

Records: [96], II, FIT, (1), V.T.; [1, 99], III, FIT, (1, 1), V.T.; [h], VIII, FIT, (2), V.T.

Published data: Kaunas mun. (Ferenca & Tamutis, 2009).

DYTISCIDAE

****Agabus* (*Gaurodytes*) *striolatus* (Gyllenhal, 1808)**

Records: [30], I, FIT, (1), V.T.

Published data: Varėna mun. (Miländer *et al.*, 1984).

****Agabus* (s. str.) *undulatus* (Schrank, 1776)**

Records: [a], IV, HD, (1), V.T.

Published data: Kaunas and Vilnius mun. (Ogijewicz, 1933; Ferenca, 2006).

****Dytiscus dimidiatus* Bergsträsser, 1778**

Records: [a], IV, HD, (1), R.F.

Published data: Anykščiai, Kaunas, Švenčionys and Vilnius mun. (Ogijewicz, 1933; Ferenca, 2006; Ivinskis *et al.*, 2008; Obelevičius, 2015).

****Hydroporus angustatus* Sturm, 1835**

Records: [4], II, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

****Hydroporus incognitus* Sharp, 1869**

Records: [30], II, FIT, (1), V.T.

Published data: Varėna mun. (Karalius & Monsevičius, 1992).

****Hydroporus longicornis* Sharp, 1871**

Records: [1], III, FIT, (1), V.T.

Published data: Varėna mun. (Miländer *et al.*, 1984).

****Ilybius neglectus* (Erichson, 1837)**

Records: [45, 58, 82], II, FIT, (1, 3, 2), V.T.

Published data: Marijampolė mun. (Ivinskis *et al.*, 2009).

****Ilybius chalconatus* (Panzer, 1796)**

Records: [57, 58, 70, 91], I, FIT, (1, 3, 1, 1), V.T.; [66, 69, 70, 83, 91, 96], II, FIT, (1, 5, 1, 1, 1, 1), V.T.; [81], III, FIT, (1), V.T.

Published data: Akmenė mun. (Miländer *et al.*, 1984).

ELATERIDAE

****Ampedus* (s. str.) *elongatulus* (Fabricius, 1787)**

Records: [4, 69, 82], II, FIT, (1, 1, 1), V.T.

Published data: Kaunas mun. (Ferenca, 2004; Tamutis *et al.*, 2010).

****Ampedus* (s. str.) *erythronus* (P. W. Müller, 1821)**

Records: [1, 2, 19, 21, 22, 33, 34, 43, 55, 57, 79, 92, 94, 97], I, FIT, (1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1), V.T.; [1, 4, 18, 20, 21, 30, 46, 56, 79], II, FIT, (1, 1, 1, 2, 1, 1, 1, 1, 2), V.T.; [11, 19, 57], III, FIT, (1, 1, 1), V.T.

Published data: Alytus, Jurbarkas, Kaunas, Kazlų Rūda, Kupiškis, Šakiai, Šalčininkai,

Švenčionys, Tauragė, Vilkaviškis, and Vilnius mun. (Ogijewicz, 1939; Tamutis & Zolubas, 2001; Ferenca, 2004; Šablevičius, 2004; Ostrauskas & Ferenca, 2010; Tamutis *et al.*, 2010).

****Ampedus (s. str.) nigrinus* (Herbst, 1784)**

Records: [13, 20, 30, 57, 68], I, FIT, (1, 2, 1, 2, 1), V.T.; [3, 4, 10, 11, 20, 21, 30, 45, 57, 67, 92] II, FIT, (1, 2, 1, 3, 1, 1, 1, 2, 3, 3, 1), V.T.; [57], III, FIT, (1), V.T.

Published data: Akmenė, Alytus, Anykščiai, Biržai, Jurbarkas, Kaunas, Kazlų Rūda, Kupiškis, Panevėžys, Šakiai, Švenčionys, and Varėna mun. (Pileckis & Monsevičius, 1982; Tamutis & Zolubas, 2001; Ferenca, 2004; Ostrauskas & Ferenca, 2010; Tamutis *et al.*, 2010).

****Ampedus (s. str.) nigroflavus* (Goeze, 1777)**

Records: [91], I, FIT, (1), V.T.; [79], II, FIT, (1), V.T.

Published data: Kaišiadorys, Kaunas, Neringa, and Šiauliai mun. (Ferenca, 2004; Inokaitis, 2009; Tamutis *et al.*, 2010).

***Ampedus (s. str.) praeustus* (Fabricius, 1792)**

Records: [91], II, FIT, (1), V.T.

Published data: Alytus (Punios šilas), Kaunas, Kazlų Rūda, Kupiškis, Prienai, Šakiai, Švenčionys, and Tauragė mun. (Tamutis *et al.*, 2010).

Remarks: It is a second record of this species from Punios šilas.

****Ampedus (s. str.) sanguineus* (Linnaeus, 1758)**

Records: [91], II, FIT, (1), V.T.

Published data: Kaunas and Kupiškis mun. (Ferenca, 2006).

****Anostirus castaneus castaneus* (Linnaeus, 1758)**

Records: [3, 30, 91, 93, 97], I, FIT, (1, 1, 1, 1, 1), V.T.; [30, 67], II, FIT, (1, 1), V.T.

Published data: Akmenė, Alytus, Birštonas, Biržai, Jonava, Kaišiadorys, Kaunas, Kupiškis, Neringa, Šakiai, Šiauliai, and Zarasai mun. (Pileckis & Monsevičius, 1995; Tamutis & Zolubas, 2001; Ferenca *et al.*, 2006; Inokaitis, 2009; Šablevičius, 2003, 2004; Tamutis *et al.*, 2010, Mulerčikas *et al.*, 2011).

****Calambus bipustulatus* (Linnaeus, 1767)**

Records: [81], I, FIT, (1), V.T.

Published data: Kaišiadorys and Kaunas mun. (Ivinskis *et al.*, 1998; Ferenca *et al.*, 2002; Ferenca, 2004; Tamutis *et al.*, 2010).

*****Denticollis borealis* (Paykull, 1800)**

Records: [22], I, FIT, (1), V.T. (Fig.5, A).

Remarks. External morphological characters of specimen we discovered are consistent with the description of this species given by Tarnawski & Buchholz (2010). This species has a Trans-Eurasian-Boreo-Mountain type of distribution range and is considered as a primeval forest relict beetle species (Eckelt *et al.*, 2018). The northern border of its distribution range reaches northern provinces of Fennoscandia and European Russia: (Olberg *et al.*, 2001; Rassi *et al.*, 2015). It is extremely rare in Central Europe (Eckelt *et al.*, 2018). The nearest discoveries of this species are from Latvia (Barševskis, 2005) and Belarus (Aleksandrowich *et al.*, 2023).

****Diacanthous undulatus* (DeGeer, 1774)**

Records: [54, 97, 98], I, FIT, (1, 1, 1), V.T.; [19, 32, 45, 82, 83, 93], II, FIT, (2, 3, 1, 1, 1, 2), V.T.; [h], VI, HD, (1), V.T.

Published data: Akmenė, Jurbarkas, Kaišiadorys, Kaunas, Kelmė, Kupiškis, Mažeikiai, Švenčionys, Tauragė, Ukmergė, and Varėna mun. (Pileckis & Jakaitis, 1989; Ferenca

et al., 2002; Inokaitis, 2009; Stanionis & Petrikas, 2011; Tamutis *et al.*, 2010).

****Limonius minutus* (Linnaeus, 1758)**

Records: [13, 21, 32], I, FIT, (1, 1, 2), V.T.; [13], II, FIT, (2), V.T.; [70], III, FIT, (1), V.T.

Published data: Akmenė, Alytus, Kaunas, Mažeikiai, and Ukmergė mun. (Ferenca, 2006; Tamutis *et al.*, 2010; Ivinskis *et al.*, 2017).



Figure 5. Habitus of Elateridae, top view: A - *Denticollis borealis* (Paykull, 1800); B - *Pseudanostirus globicollis* (Germar, 1843). Photos by Kazimieras Martinaitis.

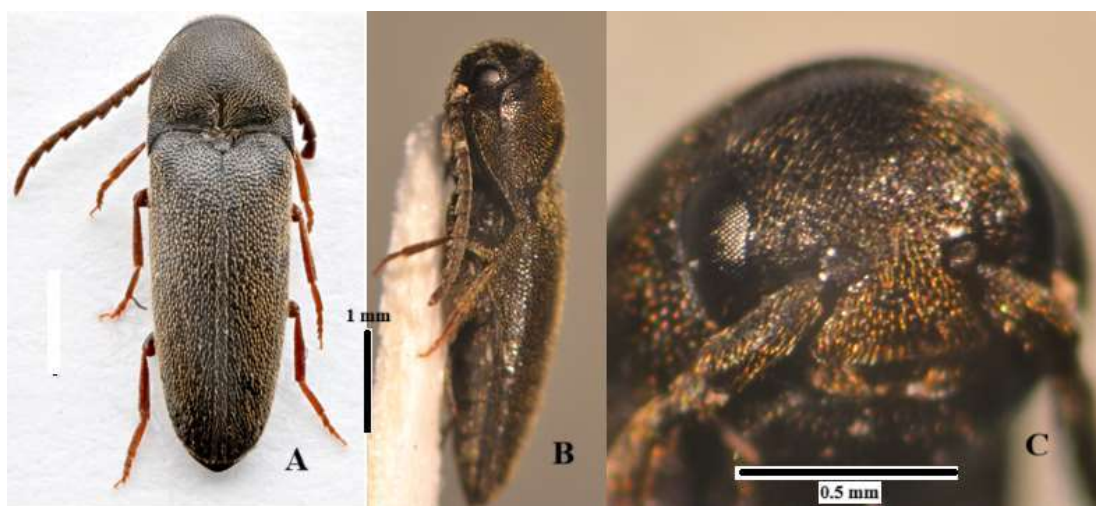


Figure 6. *Clypeorhagus clypeatus* (Hampe, 1850): A – habitus, top view, B – habitus, lateral view, C – front of the head. Photo A by Kazimieras Martinaitis, B and C by Vytautas Tamutis.

****Paraphotistus (Mosotalesus) impressus impressus* (Fabricius, 1792)**

Records: [81], I, FIT, (1), V.T.; [12], II, FIT, (1), V.T.; [h], VI, FIT, (1), V.T.

Published data: Akmenė, Anykščiai, Druskininkai, Jurbarkas, Kaunas, Kupiškis, Molėtai, Neringa, Panevėžys, Šakiai, and Varėna mun. (Pileckis, 1963; Ivinskis *et al.*, 2015; Žiogas & Zolubas, 2005; Tamutis *et al.*, 2010).

*****Pseudanostirus globicollis* (Germar, 1842)**

Records: [22], I, FIT, (1), V.T., (Fig. 5, B).

Remarks. External morphological characters of specimen we discovered is consistent with the description of this species given by Tarnawski & Buchholz (2008). This rare European species prefers natural deciduous and mixed forests; however, its biology is insufficiently known (Buchholz & Burakowski, 1992). It is recorded from Finland (Rassi *et al.*, 2015), but still not known in rest of Fennoscandia, Estonia and Latvia (Cate, 2007). The nearest discoveries of this species are from Belarus (Aleksandrowich *et al.*, 2023) and Poland (Tarnawski & Buchholz, 2008).

ENDOMYCHIDAE

****Leiestes seminiger* (Gyllenhal, 1808)**

Records: [11, 83], I, FIT, (1, 2), V.T.; [94], II, FIT, (1), V.T.

Published data: Molėtai mun. (Pacevičius, 2019).

****Mycetina cruciata* (Schaller, 1783)**

Records: [1, 2, 11, 13, 29, 43, 46, 55, 69, 79, 80, 81, 83, 93, 97], I, FIT, (1, 1, 1, 1, 1, 1, 1, 2, 1, 1, 2, 1, 1, 2, 2), V.T.; [1, 10, 11, 20, 21, 30, 32, 56, 67, 68, 69, 91, 92, 93, 94, 96, 98], II, FIT, (2, 2, 2, 1, 1, 4, 2, 2, 3, 1, 1, 2, 1, 4, 1, 3, 2), V.T.; [21, 42, 43, 67, 69], III, FIT, (1, 1, 1, 1, 1), V.T.

Published data: Ignalina, Molėtai, Rokiškis, Tauragė and Varėna mun. (Monsevičius, 1988; Šablevičius, 2003; Ostrauskas & Ferenc, 2010; Pacevičius, 2019).

EROTYLIDAE

****Triplax rufipes* (Fabricius, 1787)**

Records: [32, 33], I, FIT, (1, 2), V.T.; [4, 82, 83], II, FIT, (1, 2, 1), V.T.; [55, 93], III, FIT, 91, 4), V.T.

Published data: Ignalina, Molėtai, and Rokiškis mun. (Šablevičius, 2003).

EUCNEMIDAE

*****Clypeorhagus clypeatus* (Hampe, 1850)**

Records: [91], II, III, FIT, (1, 4), V.T., (Fig. 6).

Remarks. External morphological characters of specimens we discovered are consistent with the description of this species given by Burakowski (1991). This saproxylic species is rare and insufficiently known. Though it was noted just from a dozen of countries in Europe (Muona, 2007; Mertlik *et al.*, 2007; Süda, 2009b; Solodovnikov & Solodovnikova, 2019), the discoveries of this species in Far East (Mertlik *et al.*, 2007) and Iran (Jarzabek-Müller, 2019) suggest much wider its distribution range. The nearest discoveries of this species are from Latvia (Telnov, 2004) Belarus (Solodovnikov & Solodovnikova, 2019) and Poland (Burakowski, 1991).

*****Hylis olexai* (Palm, 1955)**

Records: [21, 30, 55, 67, 68, 69, 70, 79, 91, 94, 97], III, FIT, (1, 1, 1, 2, 1, 1, 1, 1, 8, 1, 1), V.T. (Fig. 7).

Remarks. External morphological characters of specimens we discovered are consistent with the description of this species given by Burakowski (1991). This species relatively recently described and still is known in Europe from Great Britain and Spain to Volga region (European Russia) (Volodchenko & Sazhnev, 2023);

the northern extent of its distribution range goes through the southern Finland and Karelia (Clayhills, 2014), in the South it goes to Croatia and Bosnia and Herzegovina (Muona, 2007; Mertlik & Pelikan, 2013). The nearest discoveries of this species are from Latvia (Telnov, 2004) Kaliningrad Region (Alekseev *et al.*, 2021) and Poland (Hilszczański *et al.*, 2015).

****Hylis procerulus* (Mannerheim, 1823)**

Records: [3, 13, 21, 58, 80, 91, 93, 98], II, FIT, (1, 1, 1, 1, 1, 5, 1, 1), V.T.; [3, 12, 13, 21, 30, 41, 45, 57, 58, 67, 68, 69, 70, 91, 94, 96, 97, 98, 99], III, FIT, (1, 1, 1, 7, 1, 7, 1, 1, 1, 1, 2, 1, 1, 3, 1, 2, 1, 1, 1), V.T.

Published data: Jurbarkas and Šiauliai mun. (Pileckis & Jakaitis, 1989; Ostrauskas & Ferenc, 2010).

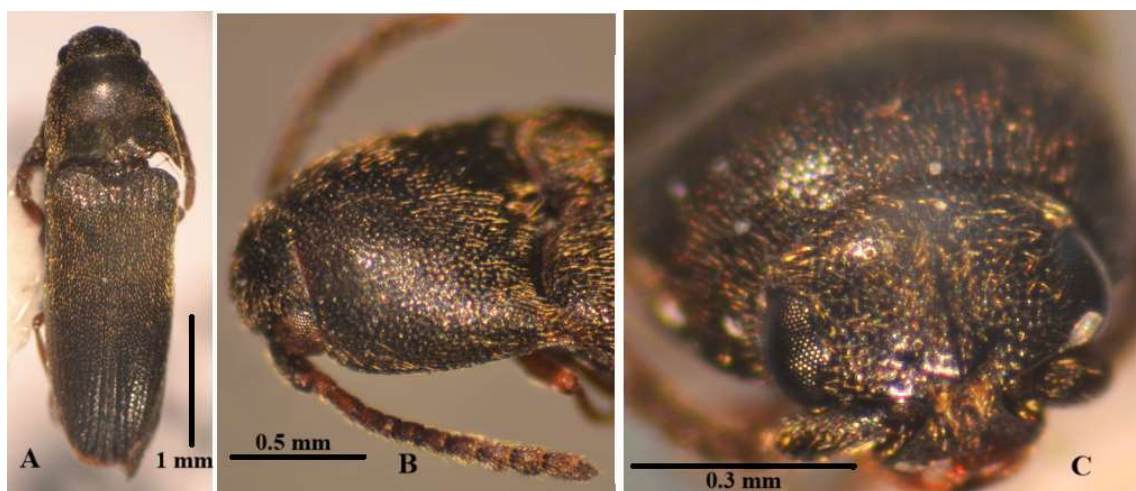


Figure 7. *Hylis olexai* (Palm, 1955): A – habitus, top view, B – frontal part of habitus, C – front of the head. Photos by Vytautas Tamutis.



Figure 8. *Isorhipis marmottani* Bonvouloir, 1871: A – male, B – female. Photos by Kazimieras Martinaitis.

*****Isorhipis marmottani* Bonvouloir, 1871**

Records: [21, 22, 32, 43, 69, 83], II, FIT, (1, 1, 20, 1, 1, 4), V.T.; [2, 3, 11, 22, 32, 33, 34, 42, 43, 45, 46, 57, 58, 67, 69, 70, 83, 93, 94] III, FIT, (1, 1, 1, 2, 41, 3, 9, 1, 12, 2, 1, 12, 7, 1, 4, 10, 16, 10, 3), V.T., (Fig. 8).

Remarks. External morphological characters of specimens we discovered are consistent with the description of this species given by Burakowski (1991). This species is known in Europe from Norway to Northern Caucasus (Dagestan) (Bibin, 2020); the northern border of its distribution range goes through the Estonia (Roosileht, 1994), to the South it goes to the Bosnia and Herzegovina (Muona, 2007). The nearest discoveries of this species are from Latvia (Telnov, 2004) Kaliningrad Region (Aleksiev, 2020) and Poland (Hilszczański *et al.*, 2015).

****Isorhipis melasoides* Laporte de Castelnau, 1825**

Records: [34], III, FIT, (1), V.T.

Published data: Molėtai and Šakiai mun. (Ferenca & Tamutis, 2009; Pacevičius, 2019).

****Melasis buprestoides* (Linnaeus, 1761)**

Records: [1, 30, 46, 70, 92, 97, 99], I, FIT, (1, 1, 2, 4, 1, 1, 1), V.T.; [67, 80, 99], II, FIT, (1, 6, 1), V.T.; [32, 93], III, FIT, (1, 2), V.T.

Published data: Kaunas and Molėtai mun. (Ferenca *et al.*, 2006; Tamutis & Ferenca, 2006; Pacevičius, 2019).

****Microrhagus emyi* (Rouget, 1855)**

Records: V.T.; [83, 93, 98], III, FIT, (1, 1, 2), V.T.

Published data: Kaišiadorys and Pasvalys mun. (Tamutis, 2003; Lekoveckaitė *et al.*, 2019).

****Microrhagus pygmaeus* (Fabricius, 1792)**

Records: V.T.; [2, 13, 21, 22, 29, 30, 32, 33, 41, 45, 46, 67, 69, 80, 82, 91, 92, 94, 98, 99], II, FIT, (1, 6, 10, 1, 1, 1, 3, 1, 1, 1, 5, 1, 2, 1, 1, 11, 2, 1, 1, 1), V.T.; [13, 21, 22, 32, 43, 46, 79, 83, 91, 93, 96, 97], III, FIT, (5, 11, 1, 2, 1, 9, 1, 1, 1, 1, 1, 1), V.T.

Published data: Kaunas, Molėtai, Šiauliai, and Šilutė mun. (Tamutis, 2003; Ostrauskas & Ferenca, 2010).

****Otho spondyloides* (Germar, 1818)**

Records: V.T.; [32], II, FIT, (1), V.T.; [13, 67, 91], III, FIT, (1, 2, 6), V.T.

Published data: Molėtai mun. (Pacevičius, 2017, 2019).

****Rhacopus sahlbergi* (Mannerheim, 1823)**

Records: V.T.; [33, 91], II, FIT, (1, 3), V.T.; [91], III, FIT, (1), V.T.

Published data: Šiauliai mun. (Ostrauskas & Ferenca, 2010).

HISTERIDAE

****Dendrophilus pygmaeus* (Linnaeus, 1758)**

Records: [9], II, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

****Gnathoncus nannetensis* (Marseul, 1862)**

Records: [93], II, FIT, (3), V.T.

Published data: Varėna mun. (Monsevičius, 1988).

****Hololepta* (s. str.) *plana* (Sulzer, 1776)**

Records: [30], I, FIT, (1), V.T.

Published data: Ignalina, Joniškis, Kaunas, Molėtai, Ukmergė, and Utena mun. (Pileckis & Monsevičius, 1982; Šablevičius, 2003; Tamutis *et al.*, 2004; Butvila *et al.*, 2007; Inokaitis, 2009; Stanionis & Petrikas, 2011; Pacevičius, 2019).

**Platylomalus complanatus* (Panzer, 1797)

Records: [41], I, FIT, (1), V.T.

Published data: Kaunas mun. (Inokaitis, 2009).

**Platysoma (Cylister) lineare* Erichson, 1834

Records: [4, 45, 56], II, FIT, (1, 1, 1), V.T.

Published data: Kaunas mun. (Pileckis, 1968).

HYDROPHILIDAE

**Cercyon (s. str.) impressus* (Sturm, 1807)

Records: [13, 69] I, FIT, (1, 1), V.T.

Published data: Neringa and Vilnius mun. (Ogijewicz, 1933; Žiogas & Zolubas, 2005).

***Hydrobius subrotundus* Stephens, 1829

Records: [19], I, FIT, (1), V.T., (Fig. 9).

Remarks. For long time this taxon was regarded as morphological variation of *Hydrobius fuscipes* (Linnaeus, 1758) until detailed analysis has been carried out and its status was elevated to valid species (Fossen *et al.*, 2016). Unfortunately, we trapped a single specimen (female) of this species and couldn't confirm the morphological identity using characters of male genitalia. However, black color of legs (Fig. 9) fully fit to description of *H. subrotundus* according Fossen *et al.* (2016). Distribution range of the species still unclear, currently it is known from Fennoscandia and Central Europe (Fossen *et al.*, 2016)

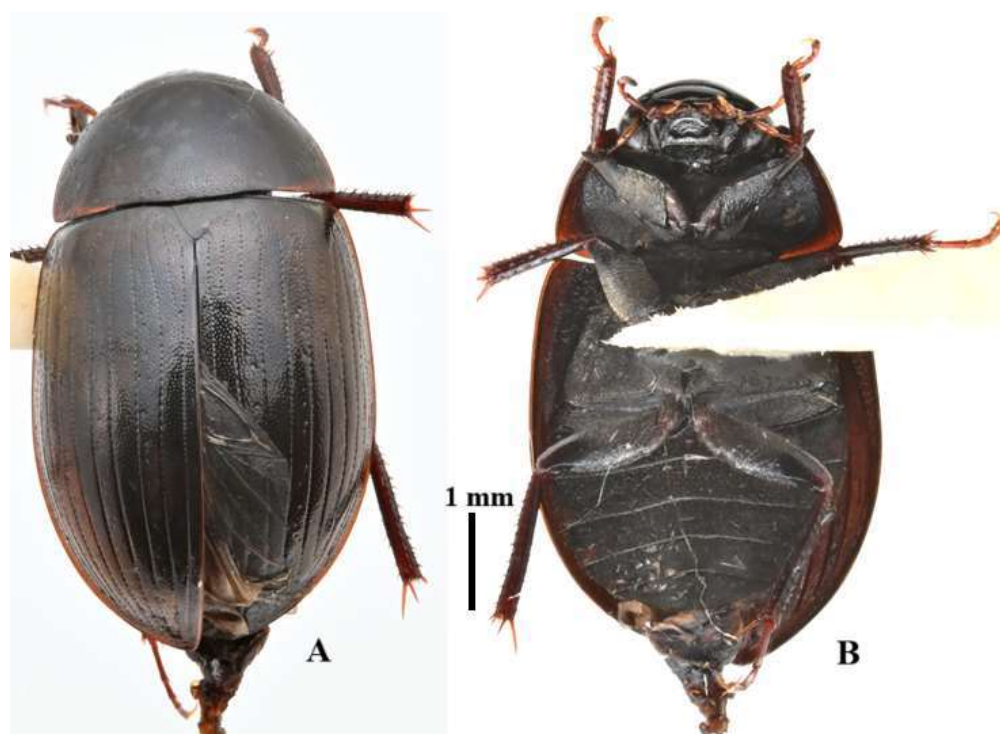


Figure 9. *Hydrobius subrotundus* Stephens, 1829 (female): A - habitus, top view, B – habitus, lower view. Photos by Kazimieras Martinaitis.

LATRIDIIDAE

**Corticaria rubripes* Mannerheim, 1844 = *Corticaria linearis*, Paykull, 1798

Records: [46, 66], I, FIT, (1, 1), V.T.; [4, 30, 67, 70], II, FIT, (1, 2, 2, 1), V.T.; [21, 79], III, FIT, (1, 1), V.T.

Published data: Neringa mun. (Ivinskis *et al.*, 2009).

****Corticara gibbosa* (Herbst, 1793)**

Records: [18, 21, 32, 33, 42, 83], I, FIT, (1, 1, 2, 1, 1, 1), V.T.; [10, 30, 41, 43, 55, 69, 70, 81, 79, 82, 83, 91, 93, 98], II, FIT, (1, 2, 3, 1, 1, 2, 1, 2, 1, 1, 2, 1, 3, 1), V.T.; [20, 29, 30, 41, 68], III, FIT, (1, 1, 2, 1, 1), V.T.

Published data: Kaunas, Panevėžys, and Prienai (Tamutis & Zolubas, 2001; Tamutis & Sklodowski, 2012; Ostrauskas & Ferenca, 2010).

****Enicmus rugosus* (Herbst, 1793)**

Records: [13, 29, 54], I, FIT, (1, 1, 2), V.T.; [2, 3, 4, 10, 13, 19, 31, 43, 45, 67, 70, 81, 82, 91, 93, 97], II, FIT, (1, 2, 1, 1, 2, 1, 1, 1, 2, 4, 1, 1, 1, 2, 3, 1), V.T.; [9, 42, 45, 57, 68, 81, 91], III, FIT, (1, 1, 1, 1, 1, 1, 1), V.T.

Published data: Jurbarkas and Tauragė mun. (Pileckis & Monsevičius, 1997; Ostrauskas & Ferenca, 2010).

****Enicmus testaceus* (Stephens, 1830)**

Records: [96], II, FIT, (1), V.T.

Published data: Molėtai mun. (Tamutis, 2003).

****Latridius porcatus* Herbst, 1793**

Records: [31], II, FIT, (1), V.T.

Published data: Kupiškis mun. (Monsevičius & Pankevičius, 2001).

****Latridius hirtus* Gyllenhal, 1827**

Records: [30, 32], I, FIT, (1, 2), V.T.; [41, 42, 79, 93], II, FIT, (1, 1, 3, 1), V.T.; [42, 54, 69, 91, 93], III, FIT, (1, 1, 1, 1, 1), V.T.

Remarks. No previous published actual data from the country.

****Stepostethus angusticollis* (Gyllenhal, 1827)**

Records: [96], I, FIT, (1), V.T.; [45], III, FIT, (1), V.T.

Published data: Jurbarkas mun. (Pileckis & Monsevičius, 1997).

****Stepostethus pandellei* (Brisout de Barnevillei, 1863)**

Records: [92, 99], I, FIT, (1, 1), V.T.; [43], II, FIT, (1), V.T.; [54], III, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

****Stepostethus rugicollis* (Olivier, 1790)**

Records: [69, 80, 82, 96], I, FIT, (1, 1, 1, 1), V.T.; [30, 42, 69, 70, 78, 80, 81, 82, 83, 91, 92, 93], II, FIT, (1, 1, 1, 2, 1, 2, 1, 1, 1, 1, 1, 1), V.T.; [68], III, FIT, (1), V.T.

Published data: Akmenė mun. (Pileckis & Monsevičius, 1997).

LEIODIDAE

*****Agathidium (Cyphocele) discoideum* Erichson, 1845**

Records: [91], I, FIT, (1), V.T.; [70], II, FIT, (1), V.T., (Fig. 10).

Remarks. External morphological characters and structures of genitalia of specimens we discovered are consistent with the description of this species given by Kilian & Borowiec (1998). This species is considered to have a boreomontane distribution range in the Palaearctic realm, is recorded in Europe, Far East and Mongolia (Perreau, 2004). The northern border of its distribution range reaches northern provinces of Fennoscandia and European Russia: Lule Loppmark, Kittilän Lappi, Siktivkar (Lundberg & Gustafsson, 1995; Rassi *et al.* 2015; Ishkaeva & Nikitsky, 2017), however in Central and Southern Europe this species is known mainly from mountainous areas (Angelini, 1995). The nearest discoveries of this species are from Białowieża Forest (Poland) (Kilian & Borowiec, 1998) and Belarus (Aleksandrowich *et al.*, 2023).

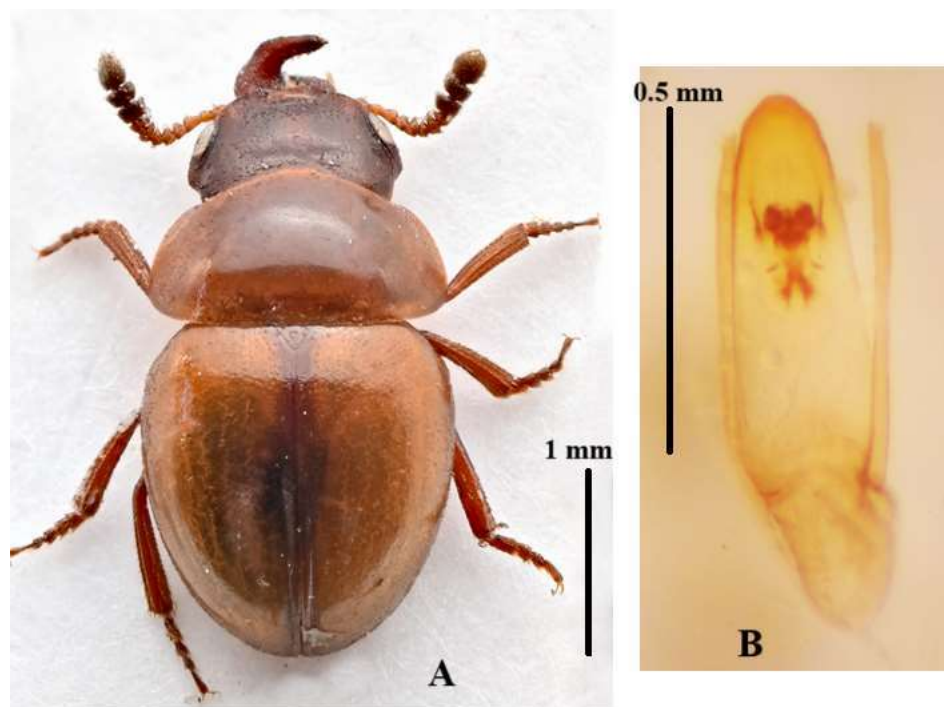


Figure 10. *Agathidium (Cyphocele) discoideum* Erichson, 1845 (male): A- habitus, B – genitalia. Photo A by Kazimieras Martinaitis, B by Vytautas Tamutis.

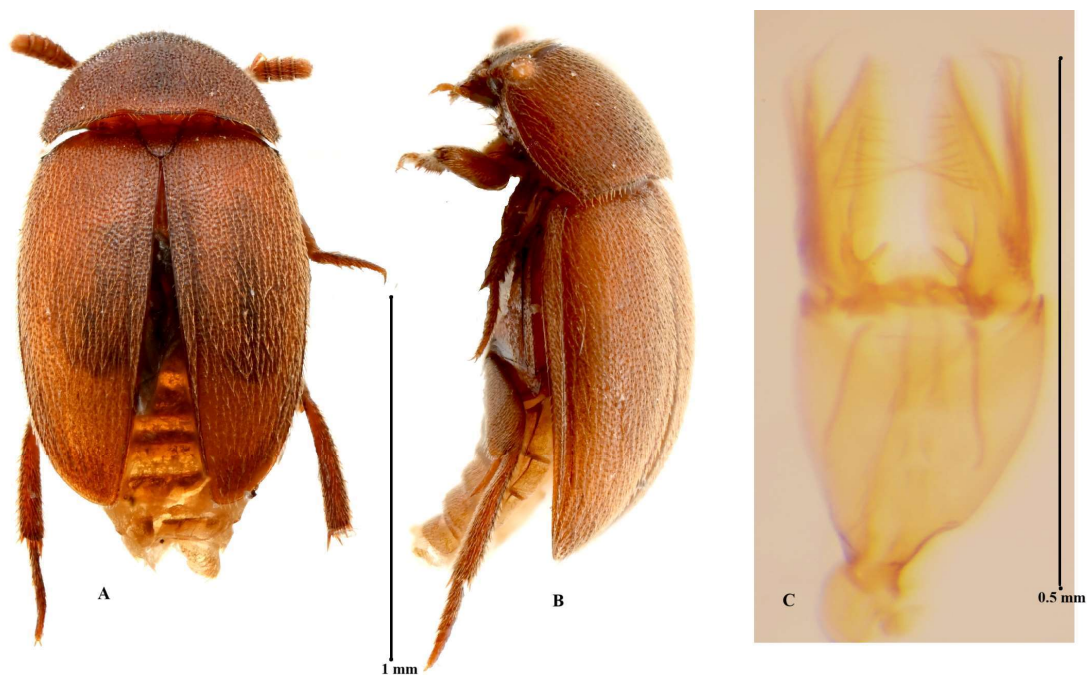


Figure 11. *Colon (Myloechus) barnevillei* Kraatz, 1858: male: A– habitus, top view; B – habitus, lateral view; c- genitalia. Photos A and B by Kazimieras Martinaitis, C by Vytautas Tamutis

****Agathidium (Neocele) confusum* Brisout de Barnevillei, 1863**

Records: [3, 4, 9, 13, 21, 32, 46, 81], I, FIT, (1, 2, 2, 2, 1, 1, 1, 1), V.T.; [1, 2, 3, 9, 11, 18, 21, 67, 97], II, FIT, (1, 1, 5, 1, 1, 1, 3, 2, 1), V.T.; [21, 30, 42, 68, 69, 70, 96, 97],

III, FIT, (1, 1, 1, 1, 1, 1, 1), V.T.

Published data: Ignalina, Trakai, Varėna, and Vilnius mun. (Žiogas & Zolubas, 2005; Ivinskis *et al.*, 2009).

****Agathidium (Neocele) nigripenne (Fabricius, 1792)***

Records: [1, 9, 10, 11, 13, 29, 32, 46, 58, 70, 83, 93], I, FIT, (3, 1, 1, 1, 2, 2, 2, 4, 1, 1, 1, 1), V.T.; [2, 9, 10, 21, 22, 32, 43, 46, 54, 67, 70, 79, 80, 81, 83, 93, 97], II, FIT, (1, 7, 2, 1, 1, 1, 1, 4, 1, 2, 2, 2, 1, 1, 1, 6, 1, 2), V.T.; [9, 19, 32, 41, 43, 45, 46, 54, 69, 83, 96, 97, 98], III, FIT, (19, 2, 1, 1, 2, 2, 1, 1, 1, 1, 1, 1, 1), V.T.

Published data: Molėtai mun. (Šablevičius, 2003).

****Agathidium (s. str.) badium Erichson, 1845***

Records: [3, 10, 96], I, FIT, (1, 1, 1), V.T.; [29, 32, 92], II, FIT, (1, 1, 1), V.T.; [22, 55], III, FIT, (1, 1), V.T.

Published data: Akmenė, Ignalina, and Varėna mun. (Monsevičius & Pankevičius, 2001; Šablevičius, 2003; Ferenca, 2003).

****Agathidium (s. str.) seminulum (Linnaeus, 1758)***

Records: [1, 3, 9, 10, 11, 18, 29, 30, 31, 54, 57, 69, 83, 93, 98, 99], I, FIT, (1, 1, 1, 1, 1, 1, 2, 1, 1, 1, 1, 2, 1, 1, 2, 2), V.T.; [1, 18, 29, 30, 55, 56, 58, 79, 83, 92], II, FIT, (2, 2, 1, 1, 1, 1, 1, 1, 1), V.T.; [10, 18, 34, 69, 92], III, FIT, (1, 2, 1, 2, 1), V.T.

Published data: Ignalina, Kaunas, Tauragė, and Varėna mun. (Perkovskij & Monsevičius, 1988; Tamutis & Zolubas, 2001; Šablevičius, 2003, Ostrauskas & Ferenca, 2010).

****Colenis (s. str.) immunda (Sturm, 1807)***

Records: [98], I, FIT, (1), V.T.

Published data: Akmenė, Ignalina, and Šakiai mun. (Monsevičius & Pankevičius, 2001; Šablevičius, 2003; Ferenca, 2003).

*****Colen (Myloechus) barnevillei Kraatz, 1858***

Records: [83], I, FIT, (1), V.T., (Fig. 11).

Remarks. External morphological characters and structures of genitalia of specimen we discovered are consistent with the description of this species given by Szymczakowski (1969). This species is distributed in Europe (Perreau, 2004) from the Balkan Peninsula (Růžička & Pavicevic, 2008) to Fennoscandia, where reaches Koillismaa province in Finland (Rassi *et al.* 2015). The nearest discoveries of this species are from Poland (Szymczakowski, 1969).

****Liodopria serricornis (Gyllenhal, 1813)***

Records: [11, 21, 96], II, FIT, (1, 4, 1), V.T.; [21, 31, 69, 83, 91, 93, 96, 97, 98], III, FIT, (1, 1, 1, 1, 1, 1, 1, 1, 1), V.T.

Published data: Akmenė, Ignalina, and Varėna mun. (Monsevičius & Pankevičius, 2001; Šablevičius, 2003; Ferenca, 2003).

****Sciodreporides fumatus (Spence, 1813)***

Records: [2, 30, 91, 96], I, FIT, (1, 1, 1, 1), V.T.; [19, 21, 30, 32, 42, 79, 92, 93, 96, 99], II, FIT, (2, 3, 1, 1, 1, 9, 1, 1, 4, 1), V.T.; [10, 11, 13, 18, 19, 20, 21, 29, 30, 31, 32, 42, 43, 45, 46, 54, 55, 58, 67, 69, 79, 93, 96, 98, 99], III, FIT, (1, 1, 18, 13, 75, 16, 11, 6, 1, 1, 3, 4, 1, 1, 1, 1, 1, 1, 25, 1, 6, 44, 14, 1, 2), V.T.

Remarks. No previous published actual data from the country.

LYCIDAE

*****Erotides (Glabroplatycis) cosnardi* (Chevrolat, 1829)**

Records: [13, 32], I, FIT, (1, 1), V.T.; [69], II, FIT, (1), V.T., (Fig. 12).

Remarks. External morphological characters of specimens we discovered are consistent with the description of this species given by Burakowski (2003). This species is known in Europe from Great Britain to Kaluga oblast (European Russia) (Kazantsev, 2021); the northern border of its distribution reach Östergötland province (Sweden) (Lundberg & Gustafsson, 1995) and western Latvia (Barševskis *et al.*, 2008), to the south it goes to Balkans (Bocákova & Bocák, 2007). The nearest discoveries of this species are from Latvia (Barševskis *et al.*, 2008), Kaliningrad Region (Alekseev & Bukejs, 2010), Poland (Byk *et al.*, 2006), and Belarus (Aleksandrowich *et al.*, 2023).



Figure 12. *Erotides (Glabroplatycis) cosnardi* (Chevrolat, 1829), habitus, top view. Photo by Kazimieras Martinaitis.

****Pyropterus nigroruber* (DeGeer, 1774)**

Records: V.T.; [4, 45, 66], II, FIT, (1, 1, 1), V.T.; [1, 13, 30, 57, 66, 91, 93, 96], III, FIT, (1, 1, 1, 1, 2, 1, 1, 1), V.T.

Published data: Kaunas and Tauragė mun. (Ferenca, 2006; Ostrauskas & Ferenca, 2010).

LYMEXYLIDAE

****Lymexylon navale* (Linnaeus, 1758)**

Records: [97], II, FIT, (1), V.T.

Published data: Joniškis, Jurbarkas, and Kaunas mun. (Pileckis, 1968b; Butvila *et al.*, 2007; Inokaitis, 2009).

MALACHIDAE

****Cordylepherus viridis* (Fabricius, 1787)**

Records: [42], I, FIT, (1), V.T.

Published data: Vilnius mun. (Obelevičius, 2016).

MELANDRYIDAE

****Orchesia (Clinocara) undulata* Kraatz, 1853**

Records: [32, 46, 55, 66, 82, 83, 92, 93, 96, 97], I, FIT, (2, 2, 1, 1, 1, 2, 1, 2, 1, 9), V.T.; [3, 21, 67, 91, 97, 98], II, FIT, (1, 2, 3, 1, 1, 1), V.T.; [21, 67, 97], III, FIT, (1, 1, 2), V.T.

Published data: Akmenė, Alytus, Kaišiadorys, Kaunas, Molėtai, Neringa, Šakiai, and Vilnius mun. (Ivinskis *et al.* 2014, 2015; Pacevičius, 2019; Ferenca *et al.*, 2011; Tamutis *et al.*, 2019).

****Orchesia* (s. str.) *micans* (Panzer, 1793)**

Records: [31, 66, 91], I, FIT, (1, 2, 1), V.T.; [30, 43], III, FIT, (1, 1), V.T.

Published data: Kaunas, Neringa, Palanga, Šakiai, Tauragė, and Zarasai mun. (Šablevičius, 2003; Ferenca *et al.*, 2006; Ostrauskas & Ferenca, 2010; Tamutis *et al.*, 2019).

****Phryganophilus* (s. str.) *auritus* Motschulsky, 1845**

Records: [2, 99], I, FIT, (2, 1), V.T.

Published data: Kaišiadorys, Kaunas, and Šakiai mun. (Inokaitis, 2009; Tamutis *et al.*, 2008, 2019).

****Xylita laevigata* (Hellenius, 1786)**

Records: [56], I, FIT, (2), V.T.

Published data: Ignalina, Jurbarkas, Kazlų Rūda, Kaunas, Švenčionys, Trakai, Utena, Varėna, Vilnius, and Zarasai mun. (Pileckis, 1963; Ferenca, 2006; Šablevičius, 2003; Tamutis *et al.*, 2019).

MONOTOMIDAE

****Rhizophagus* (*Anomophagus*) *cribratus* Gyllenhal, 1827**

Records: [54], II, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

****Rhizophagus* (*Anomophagus*) *nitidulus* (Fabricius, 1798)**

Records: [13, 97], I, FIT, (1, 1), V.T.; [13, 79, 93], II, FIT, (1, 1, 1), V.T.

Published data: Jurbarkas mun. (Pileckis & Jakaitis, 1989).

****Rhizophagus* (s. str.) *dispar* (Paykull, 1800)**

Records: [42, 46, 58, 80], II, FIT, (1, 1, 1, 1), V.T.; [13], III, FIT, (1), V.T.

Published data: Neringa mun. (Ivinskis *et al.*, 2015).

****Rhizophagus* (s. str.) *fenestrale* (Linnaeus, 1758)**

Records: [13, 45, 70, 83], I, FIT, (1, 1, 1, 1), V.T.; [46], II, FIT, (1), V.T.

Published data: Alytus, Kaišiadorys, Kaunas, and Zarasai mun. (Tamutis & Zolubas, 2001; Šablevičius, 2003).

****Rhizophagus* (s. str.) *ferrugineus* (Paykull, 1800)**

Records: [13, 19], I, FIT, (1, 1), V.T.;

Published data: Vilnius mun. (Ivinskis *et al.*, 2009).

MORDELLIDAE

****Hoshihanonomia perlata* (Sulzer, 1776)**

Records: [30, 91], II, FIT, (1, 1), V.T.

Remarks. No previous published actual data from the country.

****Mordella aculeata* Linnaeus, 1758**

Records: [18], I, FIT, (1), V.T.; [4, 30, 42, 67, 69, 80, 91, 92, 99], II FIT, (1, 4, 1, 1, 2, 1, 2, 1, 1), V.T.; [30], III, FIT, (1), V.T.

Published data: Alytus, Joniškis, Kaišiadorys, Kaunas, and Vilnius mun. (Monsevičius, 1988; Gedminas, 2005; Ivinskis *et al.*, 2009; Stanionis & Petrikas, 2011).

*****Mordellaria aurofasciata* (Comolli, 1837)**

Records: [45, 69, 83, 94], II, FIT, (1, 1, 1, 1), V.T.; [69, 70], III, FIT, (6, 1), V.T., (Fig. 13, A).

Remarks. External morphological characters of specimens we discovered are consistent with the description of this species given by Odnosum (2010). This species is known in Palaearctic realm from Norway (Hansen & Sagvolden, 2007) to Far East (Sakhalin) (Sergeev, 2020). It is the northernmost record in the Baltic states; to the

south, this species is noted in Africa (Algeria) and Iran (Horák, 2008). The nearest discoveries of this species are from Kaliningrad Region (Alekseev *et al.*, 2021), Poland (Byk *et al.*, 2006), and Belarus (Aleksandrowich *et al.*, 2023).

****Mordellistena humeralis* (Linnaeus, 1758)**

Records: [82, 91], I, FIT, (1, 1), V.T.; [13, 19, 21, 29, 30, 31, 34, 42, 45, 55, 66, 69, 70, 79, 80, 82, 91, 92, 96, 98, 99], II FIT, (1, 1, 8, 1, 1, 1, 1, 1, 2, 1, 1, 7, 1, 3, 2, 4, 2, 1, 1, 1, 2), V.T.; [3, 13, 18, 19, 21, 22, 30, 42, 43, 54, 58, 66, 69, 79, 93, 96], III, FIT, (3, 1, 1, 1, 1, 1, 1, 1, 2, 1, 1, 2, 4, 1, 1, 1), V.T.

Remarks. No previous published actual data from the country.

*****Mordellistena neuwaldeggiana* (Panzer, 1796)**

Records: [91], III, FIT, (1), V.T., (Fig. 13, B - D).

Remarks. External morphological characters of specimens we discovered are consistent with the description of this species given by Levey (2011) and Odnosum (2010). This species is known in Palaearctic realm from Great Britain (Levey, 2011) to Korean Peninsula (Lee *et al.*, 2023); the northern border of its distribution reach Västmanland province (Sweden) (Lundberg & Gustafsson, 1995) and Estonia (Süda, 2009a), to the south it goes to Spain, Italy, and Balkan countries (Horák, 2008), reported from Iran (Ruzzier *et al.*, 2017). The nearest discoveries of this species are from Kaliningrad Region (Alekseev, 2022), Poland (Marczak *et al.*, 2023), and Belarus (Aleksandrowich *et al.*, 2023).

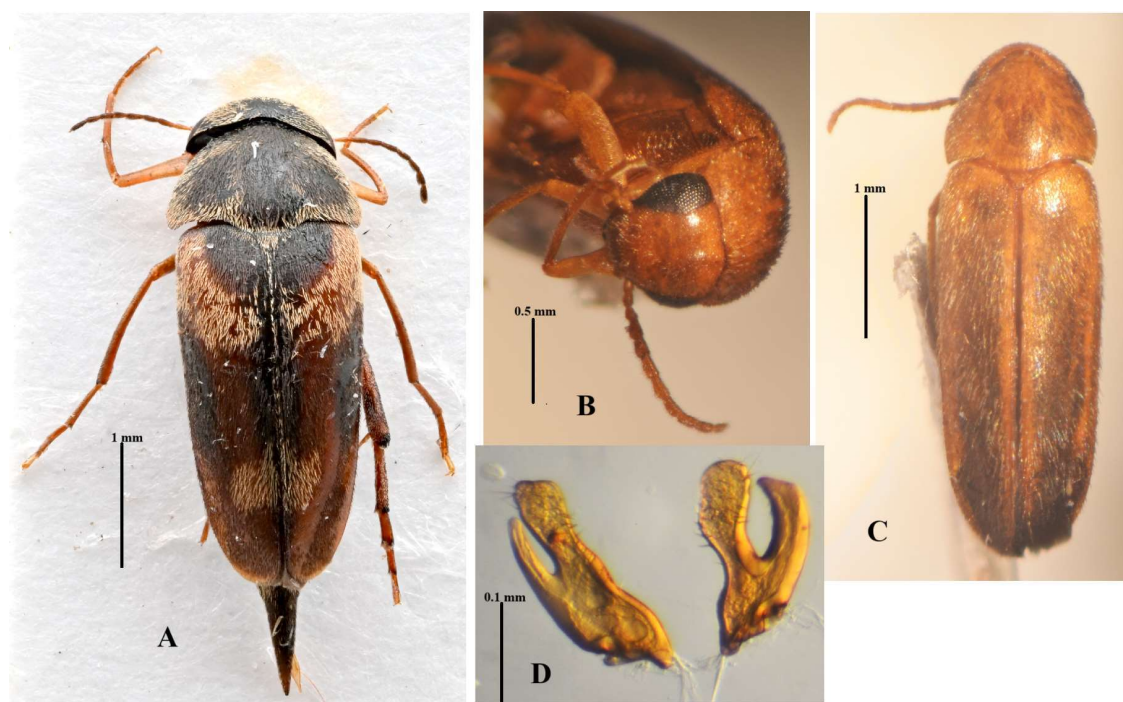


Figure 13. Mordellidae: A - *Mordellaria aurofasciata* (Comolli, 1837), habitus, top view; B – D - *Mordellistena neuwaldeggiana* (Panzer, 1796): B – frontal part of habitus; C – habitus, top view; D – parameres. Photo A by Kazimieras Martinaitis, B – D by Vytautas Tamutis.

****Tomoxia bucephala bucephala* Costa, 1854**

Records: [1, 2, 3, 4, 10, 12, 13, 18, 19, 29, 30, 31, 32, 41, 42, 46, 54, 55, 58, 66, 67, 68, 69, 78, 79, 80, 81, 82, 91, 93, 96], II FIT, (1, 1, 7, 3, 1, 2, 4, 2, 1, 1, 25, 12, 20, 3, 1, 1, 1, 2, 1, 1, 4, 1, 6, 5, 2, 6, 2, 1, 35, 16, 2), V.T.; [1, 2, 3, 10, 13, 18, 20, 21, 29, 30, 31,

32, 33, 41, 45, 54, 55, 56, 58, 66, 67, 68, 69, 78, 80, 91, 93, 94, 96, 97], III, FIT, (1, 4, 8, 1, 4, 1, 1, 4, 1, 23, 14, 5, 1, 3, 1, 1, 2, 1, 2, 2, 1, 1, 3, 1, 7, 19, 29, 2, 2, 2), V.T.

Remarks. No previous published actual data from the country.

MYCETOPHAGIDAE

**Mycetophagus (Mycetoxides) fulvicollis* Fabricius, 1792

Records: [66], II, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

**Mycetophagus (Ilendus) multipunctatus* Fabricius, 1792

Records: [54], I, FIT, (1), V.T.

Published data: Kaišiadorys, Švenčionys, and Zarasai mun. (Ferenca, 2004; Ivinskis *et al.*, 2009; Šablevičius, 2003).

**Mycetophagus (s. str.) ater* (Reitter, 1879)

Records: [43, 93], I, FIT, (1, 1), V.T.; [46, 67, 93, 96], II, FIT, (1, 1, 2, 2), V.T.; [93], III, FIT, (11), V.T.

Published data: Kaišiadorys, Kaunas, Marijampolė, Molėtai, and Zarasai mun. (Ferenca, 2004; Ferenca *et al.*, 2002, 2006; Petrikas & Stanionis, 2011; Pacevičius, 2019).

**Mycetophagus (s. str.) quadripustulatus* (Linnaeus, 1760)

Records: [3, 10, 13, 29, 56, 80], I, FIT, (1, 1, 1, 1, 1, 1), V.T.; [1, 31, 46, 57, 67, 80, 96], II, FIT, (1, 1, 1, 1, 1, 4, 1), V.T.; [93, 96], III, FIT, (4, 2), V.T.

Published data: Anykščiai and Kaunas mun. (Ferenca, 2006; Obelevičius, 2015).

**Mycetophagus (Ulolendus) piceus* Fabricius, 1777

Records: [55], II, FIT, (1), V.T.

Published data: Šakiai municipality (Ferenca, 2004).

NITIDULIDAE

**Carpophilus (s. str.) marginellus* Motschulsky, 1858

Records: [30, 31, 91], I FIT, (1, 2, 1), V.T.; [31, 91, 92], II, FIT, (3, 1, 1), V.T.

Published data: Molėtai mun. (Pacevičius, 2019)

**Cyllodes ater* (Herbst, 1792)

Records: [2, 3, 11, 13, 18, 20, 22, 30, 32, 34, 42, 43, 66, 70, 91, 92, 93, 94, 98], I, FIT, (1, 1, 1, 5, 1, 1, 1, 2, 9, 1, 1, 2, 2, 3, 1, 2, 1, 3), V.T.; [3, 4, 13, 18, 30, 32, 33, 42, 43, 46, 55, 56, 67, 79, 80, 81, 82, 92, 93, 94, 97, 98, 99], II FIT, (3, 2, 4, 1, 3, 5, 1, 1, 1, 1, 1, 1, 4, 1, 3, 1, 2, 2, 6, 2, 1, 1, 1), V.T.; [19, 32, 34; 46, 93, 98], III, FIT, (1, 1, 1, 1, 2, 1), V.T.

Published data: Jurbarkas and Kaunas mun. (Pileckis & Monsevičius, 1997; Tamutis & Zolubas, 2001).

**Cryptarcha strigata* (Fabricius, 1787)

Records: [18, 19, 33, 34, 46, 57, 58, 93], I, FIT, (3, 1, 1, 7, 8, 7, 3, 1), V.T.; [2, 18, 19, 29, 45, 55, 58, 83, 93, 94, 97], II FIT, (1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 1), V.T.; [1, 9, 22, 29, 33, 43, 57, 58, 67, 70, 93, 94, 99], III, FIT, (2, 1, 1, 1, 11, 30, 4, 1, 3, 6, 3, 4, 1), V.T.

Published data: Molėtai, Šiauliai, and Vilnius mun. (Miländer & Monsevičius, 1984; Ferenca *et al.*, 2002; Pacevičius, 2019).

**Cryptarcha undulata* (Olivier, 1790)

Records: [1, 55, 79, 99], I, FIT, (1, 1, 2, 1), V.T.

Published data: Alytus, Kiašiadorys, and Vilnius mun. (Monsevičius, 1988; Ferenca *et al.*, 2006; Ivinskis *et al.*, 2009).

- **Epuraea (Epuraeanella) neglecta* (Heer, 1841)
 Records: [21, 46, 94, 96], I FIT, (1, 1, 1, 2), V.T.
 Published data: Akmenė, Šiauliai, Švenčionys, and Vilnius mun. (Monsevičius, 1988; Ivinskis *et al.*, 2009).
- **Epuraea (Micruria) melanocephala* (Marsham, 1802)
 Records: [93], III, FIT, (1), V.T.
 Published data: Kupiškis mun. (Monsevičius & Pankevičius, 2001).
- **Epuraea (s. str.) angustula* Sturm, 1844
 Records: [33], I, FIT, (1), V.T.
 Published data: Mažeikiai mun. (Karalius & Monsevičius, 1992).
- **Epuraea (s. str.) biguttata* (Thunberg, 1784)
 Records: [1, 11, 12, 13, 22, 32, 33, 42, 54, 66, 82, 83, 94, 97], I FIT, (1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1), V.T.; [22, 67, 79, 81], II, FIT, (1, 1, 1, 1), V.T.; [13], III, FIT, (1), V.T.
 Published data: Akmenė, Druskininkai, Kupiškis, and Ukmergė mun. (Monsevičius & Pankevičius, 2001; Ivinskis *et al.*, 2009, 2017).
- **Epuraea (s. str.) binotata* Reitter, 1873
 Records: [13, 66], I FIT, (1, 1), V.T.; [32], III, FIT, (1), V.T.
 Published data: Kupiškis mun. (Monsevičius & Pankevičius, 2001).
- **Epuraea (s. str.) boreella* (Zetterstedt, 1828)
 Records: [70], I, FIT, (1), V.T.
 Published data: Druskininkai, Raseiniai, Šilutė, Neringa, and Vilnius mun. (Ivinskis *et al.*, 2009).
- **Epuraea (s. str.) guttata* (Olivier, 1811)
 Records: [b], IV, HD, (1), R.F.
 Remarks. No previous published actual data from the country.
- **Epuraea (s. str.) laeviuscula* (Gyllenhal, 1827)
 Records: [96], II FIT, (1), V.T.
 Published data: Varėna mun. (Monsevičius, 1988).
- **Epuraea (s. str.) marseuli* Reitter, 1873
 Records: [1, 9, 13, 32, 70, 82], I FIT, (1, 1, 4, 1, 1, 1), V.T.; [10, 42, 91, 96], II, FIT, (1, 1, 1, 1), V.T.; [10, 13], III, FIT, (1, 4), V.T.
 Published data: Akmenė, Varėna, and Vilnius mun. (Monsevičius, 1988; Ivinskis *et al.*, 2009).
- **Epuraea (s. str.) pallescens* (Stephens, 1835)
 Records: [13, 79], I FIT, (1, 2), V.T.; [10, 13], II, FIT, (1, 1), V.T.; [18, 43, 45, 93], III, FIT, (1, 1, 1, 1), V.T.
 Published data: Neringa and Vilnius mun. (Ivinskis *et al.*, 2009).
- **Epuraea (s. str.) pygmaea* (Gyllenhal, 1808)
 Records: [1, 4, 56], I FIT, (1, 1, 1), V.T.; [19], II, FIT, (1), V.T.; [9], III, FIT, (1), V.T.
 Remarks. No previous published actual data from the country.
- **Epuraea (s. str.) rufomarginata* (Stephens, 1830)
 Records: [46, 92, 93], I FIT, (1, 1, 2), V.T.; [67], III, FIT, (1), V.T.
 Published data: Zarasai mun. (Šablevičius, 2004).
- **Epuraea (s. str.) terminalis* (Mannerheim, 1843)
 Records: [96], II, FIT, (1), V.T.
 Remarks. No previous published actual data from the country.

****Epuraea* (s. str.) *variegata* (Herbst, 1793)**

Records: [32], I FIT, (1), V.T.; [21, 30], II, FIT, (2, 1), V.T.

Published data: Kupiškis mun. (Monsevičius & Pankevičius, 2001).

****Glischrochilus* (*Librodor*) *grandis* (Tournier, 1872)**

Records: [12, 18, 19, 29, 33, 34, 41, 42, 43, 45, 46, 54, 55, 56, 57, 66, 68, 70, 79, 80, 81, 82, 83, 91, 92, 93, 94, 96, 97, 98, 99], I FIT, (1, 4, 6, 5, 1, 3, 2, 1, 4, 1, 7, 4, 1, 7, 1, 9, 2, 9, 1, 1, 4, 5, 8, 1, 2, 1, 1, 2, 5, 7, 1), V.T.; [9, 13, 18, 19, 30, 43, 81, 92, 93, 96, 97, 98, 99], II, FIT, (1, 1, 1, 1, 2, 1, 1, 4, 1, 7, 2, 4, 1), V.T.; [99], III, FIT, (1), V.T.

Published data: Anykščiai, Kaunas, Kėdainiai, and Šiauliai mun. (Ferenca *et al.*, 2006; Obelevičius, 2015).

****Glischrochilus* (*Librodor*) *quadriguttatus* (Fabricius, 1777)**

Records: [1, 2, 13, 29, 32, 34, 43, 66, 82, 92, 94, 96, 97, 98], I FIT, (1, 1, 4, 1, 3, 1, 1, 1, 4, 1, 1, 1, 1, 1), V.T.; [34, 54, 82, 92, 96], II, FIT, (1, 1, 1, 1, 1), V.T.; [68, 98], III, FIT, (1, 1), V.T.

Published data: Zarasai mun. (Barševskis, 2001).

****Glischrochilus* (*Librodor*) *quadrisignatus* (Say, 1835)**

Records: [31, 46, 55, 68, 81, 82, 83, 91, 97], I FIT, (4, 1, 1, 1, 1, 2, 1, 1, 1), V.T.; [29], II, FIT, (1), V.T.

Published data: Akmenė, Kaunas, Molėtai, Utena, and Vilnius mun. (Ferenca *et al.*, 2006; Ivinskis *et al.*, 2009; Pacevičius, 2019).

****Ipidia* *binotata* Reitter, 1875**

Records: [4, 13, 22, 29, 30, 33, 42, 54, 55, 56, 57, 68, 69, 79, 80, 81, 93, 94, 96], I FIT, (1, 1, 1, 1, 1, 2, 5, 1, 3, 2, 2, 1, 1, 2, 1, 1, 1, 1, 1), V.T.; [2, 3, 29, 32, 45, 46, 80], II, FIT, (1, 1, 1, 1, 1, 1, 1), V.T.; [43, 56], III, FIT, (1, 1), V.T.

Published data: Ignalina, Molėtai, Panevėžys, Trakai, Utena, and Zarasai mun. (Šablevičius, 2003; Ferenca, 2006; Ivinskis *et al.*, 2009; Pacevičius, 2019).

****Lamiogethes* *morosus* (Erichson, 1845)**

Records: [58], II, FIT, (1), V.T.

Published data: Vilnius mun. (Ivinskis *et al.*, 2017).

****Pityphagus* *ferrugineus* (Linnaeus, 1761)**

Records: [1, 13], I FIT, (1, 1), V.T.; [4], II, FIT, (1), V.T.

Published data: Alytus, Kaunas, Plungė, and Švenčionys mun. (Tamutis & Zolubas, 2001; Šablevičius, 2003, 2004; Inokaitis, 2004; Ferenca, 2006; Ivinskis *et al.*, 2009).

****Soronia* *grisea* (Linnaeus, 1758)**

Records: [2, 11, 13, 21, 29, 30, 33, 34, 46, 55, 56, 66, 68, 69, 70, 80, 82, 83, 91, 92, 93, 96, 97, 98, 99], I FIT, (2, 1, 1, 1, 4, 1, 1, 5, 5, 1, 1, 1, 5, 1, 6, 1, 4, 1, 1, 4, 1, 3, 1, 2, 3), V.T.; [31, 46, 81, 82, 91, 92, 97], II, FIT, (1, 1, 1, 4, 1, 2, 1), V.T.; [42, 43, 68, 99], III, FIT, (1, 1, 1, 1), V.T.

Published data: Joniškis, Neringa, Plungė, Šilalė, Švenčionys, and Vilnius mun. (Monsevičius, 1988; Šablevičius, 2003; Ivinskis *et al.*, 2009; Butvila *et al.*, 2007).

****Soronia* *punctatissima* (Illiger, 1794)**

Records: [68, 82], I FIT, (1, 1), V.T.

Published data: Neringa, Šilalė, and Vilnius mun. (Pileckis & Monsevičius, 1982; Šablevičius, 2003; Ivinskis *et al.*, 2009).

NOSODENDRIDAE

****Nosodendron fasciculare* (Olivier, 1790)**

Records: [22], I, FIT, (1), V.T.; [2], III, FIT, (1), V.T.

Published data: Kaunas and Vilnius mun. (Pileckis & Monsevičius, 1995; Ferenca *et al.*, 2006).

OEDEMERIDAE

****Oedemera* (s. str.) *femorata* (Scopoli, 1763)**

Records: [80], II FIT, (1), V.T.; [69], III, FIT, (1), V.T.

Published data: Birštonas, Jurbarkas, Kaišiadorys, Kazlų Rūda, Kaunas, Kelmė, Klaipėda, Mažeikiai, Panevėžys, Skuodas, Šakiai, Tauragė, Trakai, and Vilkaviškis mun. (Pileckis, 1968b; Ivinskis *et al.*, 2009; Ostrauskas & Ferenca, 2010; Ferenca *et al.*, 2013; Pacevičius, 2019).

PTILIIDAE

***Ptenidium* (*Gillmeisterium*) *nitidum* (Heer, 1841)**

Records: [13], I, FIT, (1), V.T.; [11, 30], II, FIT, (1, 1), V.T.

Published data: Kaunas and Klaipėda mun. (Ferenca *et al.*, 2002, 2006).

PTINIDAE

****Anobium punctatum* (DeGeer, 1774)**

Records: [2, 29, 41, 57], I, FIT, (1, 1, 1, 1), V.T.; [1, 2, 10, 29, 70, 99], II, FIT, (1, 1, 1, 2, 1, 1), V.T.

Remarks. Though this species is noted as a serious pest of furniture in Lithuania (Pileckis, 1998), it is considered rare in Lithuania (Pileckis & Monsevičius, 1995). Surprisingly, until now, actual faunistic data on the distribution of this species hasn't been published in the country.

****Cacotemnus rufipes* Fabricius, 1792**

Records: [2, 33, 41, 91, 93, 97], I, FIT, (1, 1, 1, 3, 1, 1), V.T.; [1, 13, 32, 41, 43, 55, 69, 79, 80, 91, 92, 93, 94, 98, 99], II, FIT, (1, 4, 1, 1, 1, 1, 1, 1, 2, 1, 1, 1, 1), V.T.; [91], III, FIT, (1), V.T.

Published data: Švenčionys mun. (Monsevičius, 1988).

*****Dorcatoma* (*Pilosodorcatoma*) *janssoni* Büche & Lundberg, 2002**

Records: [13, 30, 91], II, FIT, (1, 1, 1), V.T.; [22, 41, 57, 58, 91], III, FIT, (1, 1, 1, 1, 1), V.T. (Fig. 14).

Remarks. External morphological characters of specimens we discovered are consistent with the original description of this species (Büche & Lundberg, 2002). This species relatively recently described and its distribution still is poorly known. To this moment this species was recorded only from five European countries: Estonia, Latvia, Sweden, Belarus and Poland (Büche & Lundberg, 2002; Süda & Voolma, 2007; Aleksandrowich *et al.*, 2023).

*****Dorcatoma* (*Pilosodorcatoma*) *substriata* Hummel, 1829**

Records: [31, 91], II, FIT, (2, 2), V.T., (Fig. 15).

Remarks. External morphological characters of specimens we discovered are consistent with the description of this species given by Baranowski (1985). This species is widespread in Europe from Great Britain and Spain to central part of European Russia (Borowski & Zahradnik, 2007; Nikitsky & Schigel, 2004); the northern border of its distribution reach Pohjois-Savon province in Finland (Rassi *et al.*, 2015), to the South it goes to Croatia (Zahradnik, 2007).

The nearest discoveries of this species are from Poland (Borowski, 2001) and Belarus

(Aleksandrowich *et al.*, 2023).



Figure 14. *Dorcatoma (Pilodorcatoma) janssoni* Büche & Lundberg, 2002. A - habitus, top view; B habitus, side view; C – apex of elytra; D – male genitalia. Photos A and B by Kazimieras Martinaitis, C, D by Vytautas Tamutis.

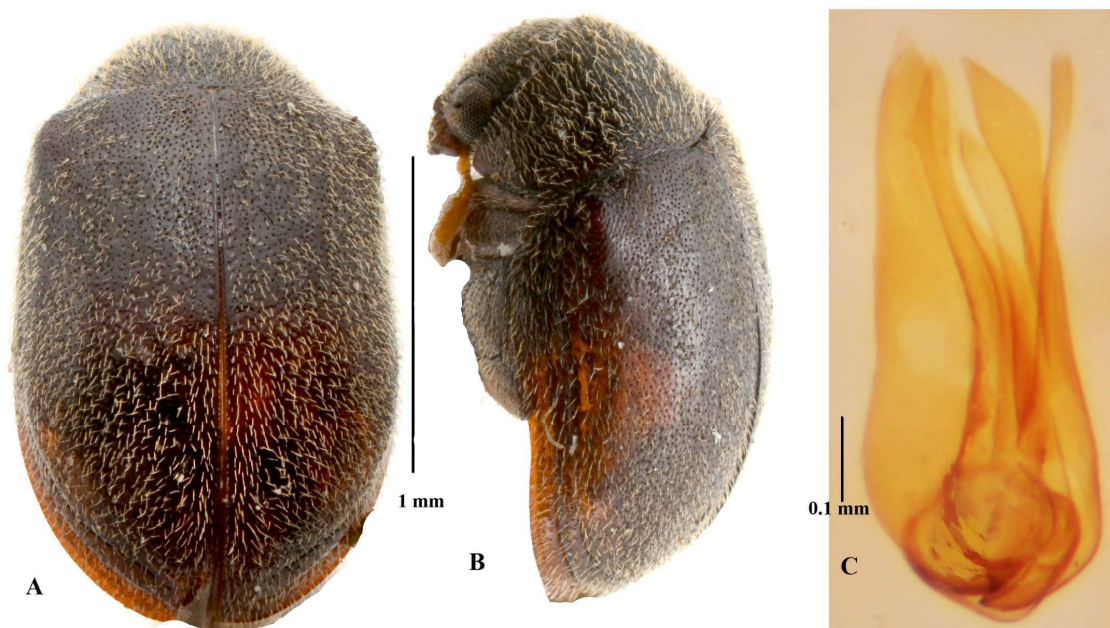


Figure 15. *Dorcatoma (Pilodorcatoma) substriata* Hummel, 1829. A - habitus, top view; B habitus, side view; C – male genitalia. Photos A and B by Kazimieras Martinaitis, C by Vytautas Tamutis.

****Dorcatoma (s. str.) dresdensis* Herbst, 1792**

Records: [32, 91], I, FIT, (3, 2), V.T.; [13, 55, 80, 81, 91, 99], II, FIT, (1, 1, 2, 2, 5, 1), V.T.; [91], III, FIT, (2), V.T.

Published data: Joniškis, Kaišiadorys, Neringa, Pakruojis, Trakai, Utena, and Vilnius mun. (Pileckis & Monsevičius, 1995; Ferenca, 2004; Ferenca *et al.*, 2006; Šablevičius, 2004; Butvila *et al.*, 2007; Ivinskis *et al.*, 2009; Ostrauskas & Ferenca, 2010).

****Dorcatoma (s. str.) lomnickii* Reitter, 1903**

Records: [2, 13, 92], II, FIT, (1, 1), V.T.; [55, 97], III, FIT, (1, 1), V.T.

Published data: Panevėžys and Vilnius mun. (Ferenca *et al.*, 2006; Ostrauskas & Ferenca, 2010).

*****Dorcatoma* (s. str.) *punctulata* Mulsant & Rey, 1864**

Records: [91, 98], I, FIT, (1, 1), V.T.; [19, 32, 96], II, FIT, (1, 1, 1), V.T.; [13, 34], III, FIT, (3, 1), V.T. (Fig. 16).

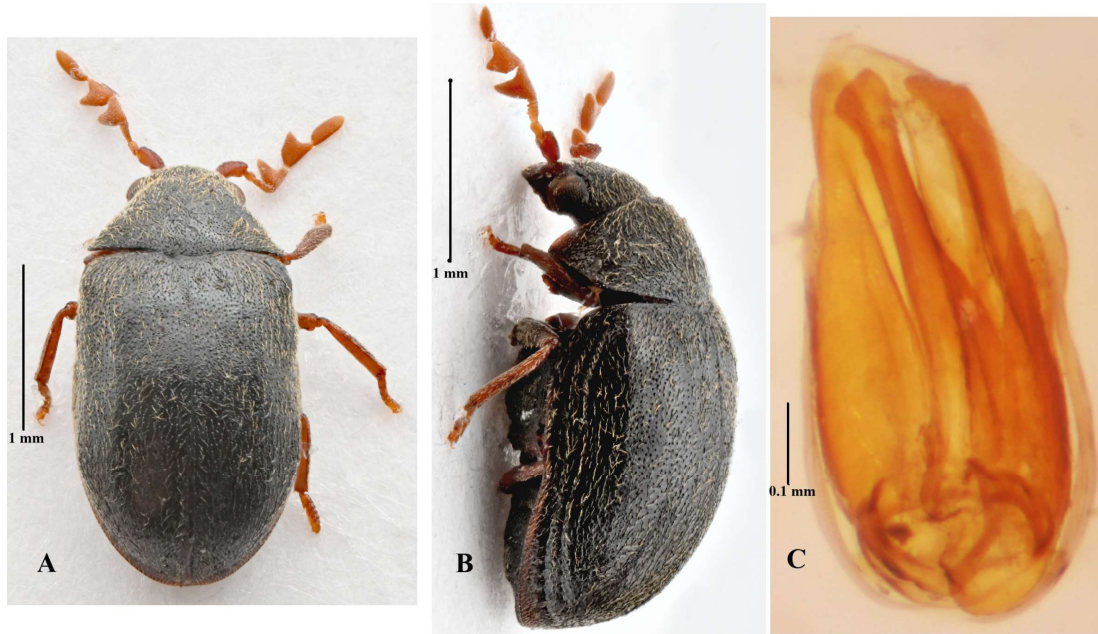


Figure 16. *Dorcatoma* (s. str.) *punctulata* Mulsant & Rey, 1864: A - habitus, top view; B habitus, side view; C – male genitalia. Photos A and B by Kazimieras Martinaitis, C by Vytautas Tamutis.



Figure 17. *Stagetus borealis* Israelson, 1971 (female): A - habitus, top view; B – habitus, lateral view. Photos by Kazimieras Martinaitis

Remarks. External morphological characters of specimens we discovered are consistent with the description of this species given by Baranowski (1985). This species is widespread in Euro-Siberian region from Norway to Far East (Borowski & Zahradnik, 2007); the northern border of its distribution reach Perä-Pohjanmaa province in Finland (Rassi *et al.*, 2015) and Pite Lappmark province in Sweden (Lundberg & Gustafsson, 1995), to the South it goes to Italy and Bulgaria (Bocákova & Bocák, 2007). The nearest discoveries of this species are from Poland (Byk *et al.*, 2006) and Belarus (Aleksandrowich *et al.*, 2023).

****Dryophilus pusillus* (Gyllenhal, 1808)**

Records: [81], I, FIT, (1), V.T.

Published data: Vilkaviškis mun. (Ostrauskas & Ferenca, 2010).

****Ernobius longicornis* (Sturm, 1837)**

Records: [34, 41, 66, 94], I, FIT, (1, 1, 5, 1), V.T.; [4, 9, 68], II, FIT, (1, 1, 1), V.T.; [1], III, FIT, (1), V.T.

Published data: Jurbarkas and Kaunas mun. (Pileckis, 1960; Logvinovskij, 1985).

****Ptilinus pectinicornis* (Linnaeus, 1758)**

Records: [2, 80, 91], II, FIT, (1, 4, 4), V.T.; [80, 82], III, FIT, (1, 1), V.T.

Published data: Joniškis, Kaunas, and Neringa mun. (Ferenca, 2004, 2006; Ferenca *et al.*, 2002; Butvila *et al.*, 2007).

****Ptinus subpillosus* Sturm, 1837**

Records: [46, 92], I, FIT, (1, 3), V.T.; [92], II, FIT, (1), V.T.

Published data: Šiauliai mun. (Ferenca *et al.*, 2002).

*****Stagetus borealis* Israelson, 1971**

Records: [18], III, FIT, (1), V.T., (Fig. 17).

Remarks. External morphological characters of specimens we discovered are consistent with the original description of this species given by Israelson (2015) and interpreted by Toskina (2015). This species is relatively recently described and still is reported in Fennoscandia and several other European countries (Bocákova & Bocák, 2007). The northern border of its distribution reach northern provinces of Sweden and Finland (Rassi *et al.* 2015; Lundberg & Gustafsson, 1995). The nearest discoveries of this species are from Latvia (Telnov, 2004) and Kaliningrad Region (Alekseev & Bukejs, 2010).

****Xyletinus* (s. str.) *pectinatus pectinatus* (Fabricius, 1792)**

Records: [31], II, FIT, (1), V.T.

Published data: Kaunas mun. (Tamutis, 2003).

SALPINGIDAE

****Salpingus planirostris* (Fabricius, 1787)**

Records: [32, 43, 91, 99], I FIT, (1, 1, 1, 2), V.T.; [2, 9, 30, 43, 45, 67, 79, 82, 93, 98], II, FIT, (1, 1, 1, 4, 1, 1, 1, 1, 3, 1), V.T.; [43, 66, 92, 93], III, FIT, (1, 1, 1, 1), V.T.

Published data: Alytus, Neringa, Švenčionys, and Vilnius mun. (Milānder & Monsevičius, 1984; Tamutis & Zolubas, 2001; Šablevičius, 2003; Ferenca, 2004).

****Salpingus ruficollis* (Linnaeus, 1760).**

Records: [12, 13, 22, 29, 42, 46, 54, 56, 57, 68, 70, 79, 81, 82, 93, 97, 98, 99], I FIT, (3, 1, 1, 1, 1, 1, 3, 2, 1, 2, 3, 3, 1, 1, 2, 1, 4, 1), V.T.; [56, 66, 68, 99], II, FIT, (1, 1, 1, 2), V.T.; [81, 98], III, FIT, (2, 1), V.T.

Published data: Ignalina, Joniškis, Neringa, and Zarasai mun. (Pileckis, 1968a; Šablevičius, 2003; Butvila *et al.*, 2007).

SCARABAEIDAE

****Acrossus depressus* (Kugelann, 1792)**

Records: [1, 3, 11, 13, 30, 32, 34, 43, 46, 66, 69, 83, 92, 93, 94, 96, 98], I, FIT, (1, 1, 2, 4, 1, 2, 2, 1, 2, 1, 1, 2, 2, 1, 1, 2, 1), V.T.; [1, 11, 13, 21, 32, 34, 43, 45, 46, 80, 83, 93, 94, 96], II, FIT, (2, 2, 4, 1, 2, 2, 1, 1, 2, 1, 1, 5, 1, 6), V.T.; [13, 20, 29, 32, 46, 58, 92, 93, 94, 96], III, FIT, (1, 1, 1, 2, 2, 1, 1, 1, 1, 3), V.T.

Published data: Anykščiai mun. (Obelevičius, 2015).

****Agrilinus ater* (DeGeer, 1774)**

Records: [13, 93], I, FIT, (1, 1), V.T.; [41], II, FIT, (1), V.T.

Published data: Anykščiai mun. (Obelevičius, 2015).

****Esymus pusillus* (Herbst, 1789)**

Records: [18], I, FIT, (2), V.T.

Published data: Alytus, Kaunas, Trakai, and Varėna mun. (Ferenca, 2006).

****Euorodalus coenosus* (Panzer, 1798)**

Records: [96], I, FIT, (2), V.T.

Published data: Kaunas mun. (Ferenca, 2006).

****Planolinoides borealis* (Gyllenhal, 1827)**

Records: [30], I, FIT, (1), V.T.; [3, 4, 30, 31], II, FIT, (1, 1, 1, 1), V.T.

Remarks. No previous published actual data from the country.

***Protaetia (Cetonischema) speciosissima* (Scopoli, 1786)**

Records: [31], I, FIT, (1), V.T.

Published data: Alytus (Punios šilas), Kaunas, and Prienai mun. (Pileckis, 1968b; Inokaitis, 2004; Davenis *et al.*, 2022).

***Protaetia (Liocola) marmorata marmorata* (Fabricius, 1792)**

Records: [12, 18, 31, 42, 55, 56, 66, 68, 80, 81, 91], I, FIT, (3, 1, 4, 1, 2, 1, 1, 6, 3, 1, 5), V.T.; [10, 31, 41, 42, 67, 68, 80, 82, 91], II, FIT, (1, 1, 2, 1, 1, 3, 1, 1, 2), V.T.; [34, 55], III, FIT, (1, 1), V.T.

Published data: Akmenė, Alytus (Punios šilas), Anykščiai, Joniškis, Kazlų Rūda, Kaišiadorys, Kaunas, Kupiškis, Lazdijai, Marijampolė, Panevėžys, Prienai, Rokiškis, Šilutė, Trakai, Ukmergė, Varėna, Vilnius, and Zarasai mun. (Karalius & Monsevičius, 1992; Ivinskis *et al.*, 2004, 2007, 2009; Davenis *et al.*, 2022; Auglys, 1994; Obelevičius, 2015, 2016; Butvila *et al.*, 2007; Meržijevskis, 2004; Stanionis & Petrikas, 2011; Dapkus & Tamutis, 2008; Ferenca, 2006; Kriaučiūnienė & Zaplatkin, 2007; Noreika, 2009; Ostrauskas, 1994).

Remarks. This species is listed in the Red Data Book of Lithuania and categorized as near threatened (NT) (Ferenca, 2021a).

****Valgus hemipterus hemipterus* (Linnaeus, 1758)**

Records: [30, 31], I, FIT, (1, 2), V.T.

Published data: Kaunas, Neringa, and Vilnius mun. (Pileckis, 1960; Šablevičius, 2003; Inokaitis, 2004, 2009; Ferenca, 2004; Ivinskis *et al.*, 2004, 2009).

****Volinus sticticus* (Panzer, 1798)**

Records: [96, 97], I, FIT, (1, 1), V.T.; [91, 96], II, FIT, (1, 3), V.T.; [96], III, FIT, (1), V.T.

Published data: Anykščiai and Kaunas mun. (Ferenca, 2006; Obelevičius, 2015).

SCIRTIDAE

***Contacyphon hilaris* (Nyholm, 1944)**

Records: [30, 31, 99], I, FIT, (2, 1, 3), V.T.; [4, 18, 30, 45], II, FIT, (3, 5, 6, 1), V.T.;

[18, 92, 99], III, FIT, (1, 1, 1), V.T.

Published data: Švenčionys mun. (Ivinskis *et al.*, 2009).

SCRAPTIDAE

**Anaspis (Nassipa) flava* (Linnaeus, 1758)

Records: [55], I, FIT, (1), V.T.; [30], II, FIT, (1), V.T.

Remarks. No previous published actual data from the country.

**Anaspis (Nassipa) rufilabris* (Gyllenhal, 1827)

Records: [1, 2, 4, 11, 19, 29, 30, 31, 32, 41, 45, 54, 56, 57, 66, 79, 81, 82, 83, 92, 93, 94, 96, 98, 99], I, FIT, (2, 2, 3, 1, 9, 1, 1, 1, 1, 1, 1, 7, 3, 5, 33, 10, 1, 2, 1, 6, 1, 1, 2, 5, 4), V.T.; [1, 2, 3, 4, 9, 10, 11, 12, 18, 19, 20, 21, 22, 29, 30, 32, 33, 34, 41, 43, 45, 54, 55, 57, 66, 68, 79, 80, 83, 92, 94, 96], II, FIT, (31, 101, 21, 1, 8, 2, 2, 4, 10, 141, 1, 6, 1, 1, 1, 1, 2, 2, 1, 5, 11, 1, 2, 2, 8, 1, 5, 1, 2, 2, 1, 2), V.T.; [1, 2, 9, 11, 19, 46, 82, 93], III, FIT, (1, 3, 1, 1, 2, 1, 1), V.T.

Published data: Jurbarkas and Elektrėnai mun. (Pileckis, 1968b; Ostrauskas & Ferenca, 2010).

**Anaspis (s. str.) frontalis* (Linnaeus, 1758)

Records: [12, 20, 21, 29, 30, 41, 42, 54, 68, 69, 80, 91, 92, 96], I, FIT, (2, 5, 18, 1, 3, 1, 1, 3, 2, 1, 1, 1, 1, 1), V.T.; [4, 10, 20, 21, 30, 42, 46, 54, 55, 56, 67, 69, 70, 80, 93, 99], II, FIT, (1, 1, 3, 2, 3, 1, 34, 1, 1, 4, 3, 6, 1, 6, 2), V.T.; [21, 32, 56, 80, 91], III, FIT, (2, 1, 1, 1, 2), V.T.

Published data: Anykščiai, Kaunas, Kėdainiai, Panevėžys, Plungė, Neringa, and Šiauliai mun. (Pileckis, 1963; Ferenca, 2006; Žiogas & Zolubas, 2005; Ostrauskas & Ferenca, 2010; Obelevičius, 2015).

**Anaspis (s. str.) ruficollis* (Fabricius, 1793)

Records: [18, 19, 30, 41, 45, 54, 66, 79, 80, 82, 92], I, FIT, (1, 2, 3, 1, 3, 3, 3, 3, 1, 1, 1), V.T.; [19, 22, 30, 41, 81], II, FIT, (1, 1, 2, 3, 1), V.T.; [21, 30, 91], III, FIT, (2, 1, 1), V.T.

Remarks. No previous published actual data from the country.

**Anaspis (s. str.) thoracica* (Linnaeus, 1758)

Records: [12, 13, 19, 29, 30, 43, 54, 56, 58, 79, 83, 91, 92, 93, 94, 96, 99], I, FIT, (4, 2, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 1, 1, 3), V.T.; [1, 18, 19, 21, 22, 29, 30, 43, 45, 54, 55, 56, 66, 67, 78, 79, 81, 82, 97], II, FIT, (1, 1, 2, 3, 1, 1, 2, 2, 1, 1, 2, 1, 2, 40, 1, 1, 2, 1, 4), V.T.; [81], III, FIT, (1), V.T.

Published data: Radviliškis mun. (Ivinskis *et al.*, 2009).

**Cyrtanaspis phalerata* (Germar, 1847)

Records: [82], III, FIT, (1), V.T.

Published data: Utena and Vilnius mun. (Ferenca *et al.*, 2016; Ivinskis *et al.*, 2017).

SILPHIDAE

**Dendroxena quadrimaculata* (Scopoli, 1771)

Records: [58, 83, 94, 98], I, FIT, (1, 3, 1, 2), V.T.

Published data: Alytus, Kaišiadorys, Kaunas, Kėdainiai, Kretinga, Šakiai, Šilutė, Telšiai, Ukmergė, and Vilnius mun. (Pileckis, 1968a; Pileckis & Monsevičius, 1995; Tamutis, 2005; Ivinskis *et al.*, 2004, 2006, 2007, 2009; Inokaitis, 2009; Ferenca, 2004; Noreika, 2009; Stanionis & Petrikas, 2011).

Remarks. This species is listed in the Red Data book of Lithuania and categorized as near threatened (NT) (Ferenca, 2021c).

****Nicrophorus (s. str.) humator* (Gleditsch, 1767)**

Records: [13], III, FIT, (2), V.T.

Published data: Alytus, Anykščiai, Kaunas, and Švenčionys mun. (Pileckis, 1960; Tamutis & Zolubas, 2001; Ivinskis *et al.*, 2008; Inokaitis, 2009; Obelevičius, 2015).

SILVANIDAE

****Dendrophagus crenatus* (Paykull, 1799)**

Records: [94, 79], I FIT, (1, 1), V.T.; [13], III, FIT, (1), V.T.

Published data: Druskininkai, Ignalina, Joniškis, Jurbarkas, Kaišiadorys, Kazlų Rūda, Kaunas, Kelmė, Lazdijai, Molėtai, Plungė, Šakiai, Švenčionys, Varėna, and Vilnius mun. (Žiogas & Gedminas, 1994; Šablevičius, 2003; Butvila *et al.*, 2007; Ivinskis *et al.*, 2009; Stanionis & Petrikas, 2011; Ferenca, 2004; Ferenca *et al.*, 2006; Ferenca & Tamutis, 2011; Pacevičius, 2019).

***Silvanoprus fagi* (Guérin-Méneville, 1844)**

Records: [13, 45, 55, 81, 92], I FIT, (4, 1, 1, 1, 1), V.T.; [91, 92], II, FIT, (1, 1), V.T.

Published data: Kaunas, Molėtai, and Šakiai mun. (Gaidienė & Ferenca, 1988; Ferenca & Tamutis, 2011; Pacevičius, 2019).

****Silvanus bidentatus* (Fabricius, 1792)**

Records: [67, 79], II FIT, (1, 1), V.T.

Published data: Kaišiadorys, Kaunas, Lazdijai, Molėtai, Šakiai, Ukmergė, and Vilnius mun. (Pileckis & Monsevičius, 1997; Ferenca, 2004; Ferenca & Tamutis, 2011; Pacevičius, 2019).

SPHAERITIDAE

****Sphaerites glabratus* (Fabricius, 1792)**

Records: [h], VI, FIT, (1), V.T.

Published data: Druskininkai, Joniškis, Kaišiadorys, Kaunas, Molėtai, Tauragė, Ukmergė, and Zarasai mun. (Pileckis, 1968a; Pileckis & Monsevičius, 1995; Ferenca, 2004; Butvila *et al.*, 2007; Stanionis & Petrikas, 2011; Pacevičius, 2019).

SPHINDIDAE

****Aspidiphorus orbiculatus* (Gyllenhal, 1808)**

Records: [30, 55, 83, 96], II FIT, (1, 1, 1, 1), V.T.; [67], III, FIT, (1), V.T.

Published data: Alytus, Neringa, Švenčionys, and Varėna mun. (Monsevičius, 1988; Pileckis & Monsevičius, 1997; Šablevičius, 2003).

***Sphindus dubius* (Gyllenhal, 1808)**

Records: [66, 70], I FIT, (1, 1), V.T.; [20, 30, 69, 93], II, FIT, (1, 1, 2, 1), V.T.

Remarks. No previous published actual data from the country.

STAPHYLINIDAE

****Carpelimus (Trogophloeus) elongatulus* (Erichson, 1839)**

Records: [2, 46], II, III, FIT, (1, 1), V.T.

Published data: Alytus, Švenčionys, and Varėna mun. (Monsevičius, 1983).

****Carpelimus (Trogophloeus) modestus* (Casey, 1889) = *heidenreichi* (Benick, 1934)**

Records: [13, 19], I, FIT, (1, 1), V.T.; [46], III, FIT, (1), V.T.

Published data: Trakai and Vilnius mun. (Ivinskis *et al.*, 2013).

****Coprophilus striatulus* (Fabricius, 1792).**

Records: [32], I, FIT, (1), V.T.

Published data: Kaunas mun. (Monsevičius & Pankevičius, 2001).

****Carpacis striatus* (Olivier, 1795)**

Records: [3, 12, 29, 30, 46, 54, 56, 66, 70, 79, 81, 82, 83, 92, 96, 97, 98], I, FIT, (1, 3,

7, 2, 2, 5, 2, 3, 3, 3, 5, 5, 4, 2, 2, 1, 3), V.T.; [13, 29, 41, 46, 54, 55, 56, 66, 69, 70, 78, 79, 80, 81, 82, 83, 91, 92, 93, 96, 97, 98], II, FIT, (1, 4, 1, 2, 2, 3, 3, 1, 1, 6, 1, 1, 3, 4, 4, 2, 2, 12, 3, 9, 6, 10), V.T.; [13, 20, 29, 30, 33, 34, 41, 43, 69, 79, 81, 82, 92, 93, 96, 97, 98], III, FIT, (2, 1, 1, 1, 1, 2, 1, 1, 1, 5, 2, 1, 1, 3, 4, 3, 3), V.T.

Published data: Kaišiadorys mun. (Lekoveckaitė *et al.*, 2019).

****Mycetoporus punctus* (Gravenhorst, 1806)**

Records: [1], I, FIT, (1), V.T.

Published data: Neringa mun. (Ivinskis *et al.*, 2015).

****Oxyporus mannerheimi* Gyllenhal, 1827**

Records: [e], 10.09.2019, HD, (1), B.V.

Published data: Švenčionys and Molėtai mun. (Ferenca *et al.*, 2002; Pacevičius, 2019).

Remarks. This record is based on observation (photo). This species is entered into the list of species protected under Natura 2000 – European network of protected areas (Article 17 of the Habitat Directive).

****Oxyporus maxillosus* Fabricius, 1792**

Records: [1, 21, 98], III, FIT, (1, 1, 1), V.T.

Published data: Vilnius mun. (Pileckis, 1963).

****Phloeostiba plana* (Paykull, 1792)**

Records: [33], I, FIT, (1), V.T.

Published data: Trakai and Vilnius mun. (Roubal, 1910; Ivinskis *et al.*, 2009).

****Phyllo drepa floralis* (Paykull, 1789)**

Records: [79, 98], II, FIT, (1, 1), V.T.

Published data: Neringa, Šilutė, and Vilnius mun. (Ivinskis *et al.*, 2009).

****Quedionuchus plagiatus* (Mannerheim, 1843)**

Records: [46, 57, 66, 67, 69, 79], III, FIT, (1, 1, 1, 1, 2, 1), V.T.

Remarks. No previous published actual data from the country.

****Quedius (Microsaurus) brevicornis* (Thomson, 1860)**

Records: [96], III, FIT, (1), V.T.

Published data: Akmenė, Ignalina, and Molėtai mun. (Monsevičius, 1985; Pacevičius, 2019).

****Sepedophilus bipustulatus* (Gravenhorst, 1802)**

Records: [3, 11, 13, 18, 19, 29, 69, 70, 83, 92, 96, 98], I, FIT, (1, 1, 5, 1, 1, 1, 1, 1, 1, 1, 1, 1), V.T.; [3, 10, 11, 13, 21, 30, 32, 46, 55, 66, 70, 78, 79, 93, 96], II, FIT, (2, 1, 1, 1, 2, 1, 1, 1, 1, 1, 1, 1, 4, 1, 4), V.T.; [3, 20, 30, 31, 32, 54, 67, 80], III, FIT, (2, 1, 1, 1, 1, 1, 1, 1), V.T.; [f, g], IV, V, HD, (1, 1), R.F.

Remarks. No previous published actual data from the country.

****Sepedophilus constans* (Fowler, 1888)**

Records: [3, 13, 32], I, FIT, (1, 1, 1), V.T.

Published data: Neringa mun. (Ivinskis *et al.*, 2013, 2015).

****Sepedophilus littoreus* (Linnaeus, 1758)**

Records: [13, 55, 66], I, FIT, (1, 1, 1), V.T.; [21, 29, 43, 66], II, FIT, (1, 1, 1, 1), V.T.

Published data: Neringa mun. (Monsevičius, 1983).

Remarks. No previous published actual data from the country.

****Scopaeus (s. str.) laevigatus* (Gyllenhal, 1827)**

Records: [2, 32], I, II, FIT, (1, 1), V.T.

Published data: Plungė mun. (Žiogas & Zolubas, 2005).

****Syntomium aeneum* (P.W. Müller, 1821)**

Records: [45], III, FIT, (1), V.T.

Published data: Akmenė mun. (Monsevičius, 1985).

****Tyrus mucronatus* (Panzer, 1803)**

Records: [96], III, FIT, (1), V.T.

Remarks No previous published actual data from the country.

****Xylodromus depressus* (Gravenhorst, 1802)**

Records: [97], I, FIT, (1), V.T.

Published data: Molėtai mun. (Pacevičius, 2019).

TENEBRIONIDAE

****Corticeus* (s. str.) *suturalis* (Paykull, 1800)**

Records: [45], I, FIT, (1), V.T.

Published data: Ignalina and Jurbarkas mun. (Pileckis & Jakaitis, 1982; Šablevičius, 2003).

***Corticeus* (s. str.) *unicolor* Piller & Mitterpacher, 1783**

Records: [13, 30, 46, 66, 93], I, FIT, (1, 1, 1, 1, 1), V.T.; [67, 79], II, FIT, (1, 1), V.T.

Published data: Alytus (Punios šilas), Kaunas, Šakiai, and Varėna mun. (Pileckis & Monsevičius, 1982; Ferenca, 2004).

***Isomira* (s. str.) *murina murina* (Linnaeus, 1758)**

Records: [78], II, FIT, (1, 1), V.T.

Published data: Alytus (Punios šilas), Druskininkai, Jurbarkas, Kaunas, Kėdainiai, Klaipėda, Neringa, Palanga, Plungė, Prienai, Šakiai, Šaliai, Šilutė, Ukmergė, and Vilnius mun. (Pileckis, 1963; Ferenca *et al.*, 2006, 2007; Ivinskis *et al.*, 2009; Tamutis *et al.* 2019; Pileckis & Monsevičius, 1982; Ferenca, 2004).****Mycetochara* (s. str.) *flavipes* (Fabricius, 1792)**

Records: [21, 22, 43, 91, 93], I, FIT, (1, 1, 1, 1, 1), V.T.; [1, 2, 13, 18, 30, 32, 33, 42, 45, 46, 55, 66, 91, 98], II, FIT, (6, 4, 2, 3, 2, 2, 1, 1, 2, 1, 2, 1, 2, 1), V.T.; [?], VIII, FIT, (1), V.T.

Published data: Akmenė, Ignalina, Kaišiadorys, Kaunas, Klaipėda, Molėtai, Neringa, Pasvalys, Šakiai, Šilutė, Švenčionys, Tauragė, Ukmergė, Utena, Varėna Vilnius, and Zarasai mun. (Pileckis, 1963; Pileckis & Monsevičius, 1997; Ferenca, 2004; Ferenca *et al.*, 2006, 2007; Ferenca & Tamutis, 2009; Inokaitis, 2009; Šablevičius, 2003, 2004; Pacevičius, 2019; Tamutis *et al.*, 2019).

TETRATOMIDAE

****Hallomenus* (s. str.) *binotatus* (Quensel, 1790)**

Records: [31, 66, 81], II, FIT, (1, 1, 1), V.T.; [21], III, FIT, (1), V.T.

Published data: Ignalina, Kaunas, Neringa, and Šakiai mun. (Ferenca, 1988; Pileckis & Monsevičius, 1997; Šablevičius, 2003; Tamutis *et al.*, 2019).

THROSCIDAE

****Aulonothroscus brevicollis* (Bonvouloir, 1859)**

Records: [1, 11, 29, 31, 32, 34, 41, 45, 54, 55, 57, 66, 80, 91, 92, 93, 94, 96, 97, 98], I, FIT, (1, 1, 2, 1, 7, 1, 5, 1, 1, 2, 1, 1, 2, 1, 2, 3, 1, 3, 1, 2), V.T.; [11, 21, 29, 32, 41, 66, 80, 91, 92, 93, 96], II, FIT, (1, 1, 2, 5, 1, 1, 4, 2, 1, 2, 1), V.T.; [21, 54, 68, 70], III, FIT, (1, 1, 1, 1), V.T.

Published data: Vilnius mun. (Ivinskis *et al.*, 2015).*****Aulonothroscus laticollis* (Rybinski, 1897)**

Records: [13, 29, 42, 43, 93, 96], I, FIT, (1, 1, 1, 1, 1, 1), V.T.; [3, 4, 13, 21, 42, 66,

93, 96, 98], II, FIT, (1, 1, 1, 1, 1, 1, 1, 1, 1), V.T.; [83], III, FIT, (1), V.T., (Fig. 18).
 Remarks. External morphological characters of specimens we discovered are consistent with the description of this species given by Burakowski (1991). This species is known in Europe from Spain (Mertlik & Jeniš, 2013) to Moscow oblast (Russia) (Nikitsky *et al.*, 1996), also recorded from Far East (Seung *et al.*, 2024). The northern border of its distribution range goes through the southern Finland (Rassi *et al.*, 2015), to the South it goes to the Croatia (Leseigneur, 2007). The nearest discoveries of this species are from Latvia (Telnov, 2004), Belarus (Aleksandrowich *et al.*, 2023) and Poland (Byk *et al.*, 2015).

**Trixagus carinifrons* (Bonvouloir, 1859)

Records: [13, 19, 33, 46, 56, 70, 79, 83, 94, 98], I, FIT, (1, 1, 2, 1, 2, 1, 1, 1, 1, 1), V.T.; [12, 31, 32, 33, 41, 46, 55, 66, 79, 82, 91], II, FIT, (5, 1, 2, 1, 1, 1, 3, 1, 1, 1, 1), V.T.; [34, 57], III, FIT, (1, 1), V.T.

Remarks. No previous published actual data from the country.

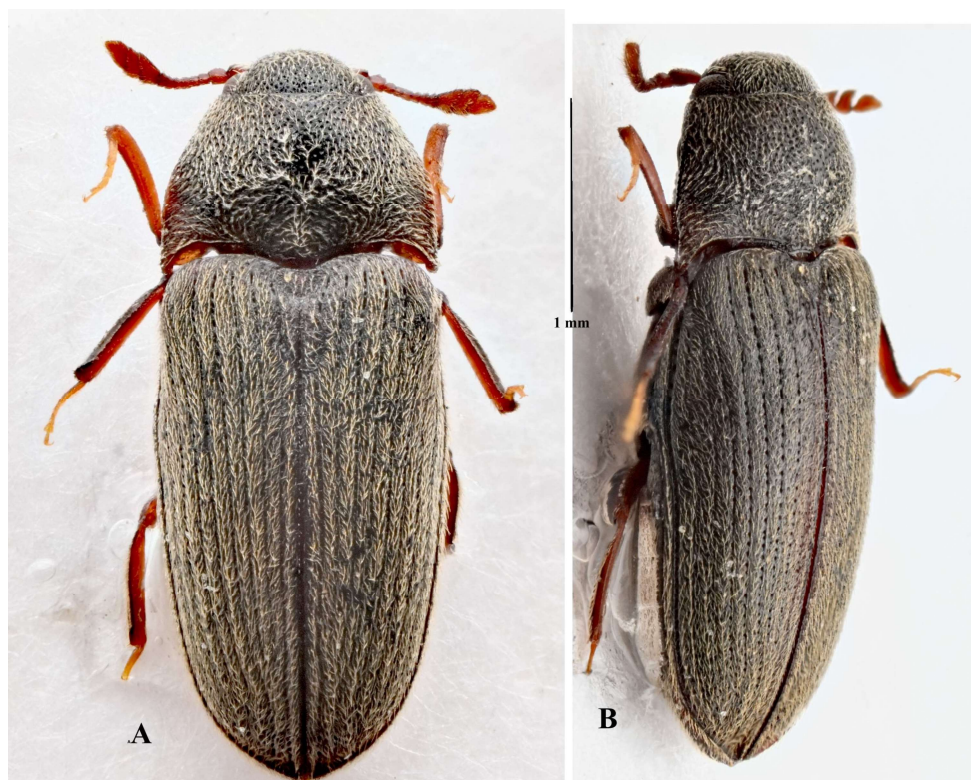


Figure 18. *Aulonothroscus laticollis* (Rybinski, 1897): A - habitus, top view; B – habitus, lateral view. Photos by Kaizimieras Martinaitis.

TROGOSITIDAE

**Nemozoma elongatum* (Linnaeus, 1761)

Records: [10, 93], II, FIT, (6, 1), V.T.; [3, 45], III, FIT, (2, 1), V.T.

Published data: Joniškis, Jurbarkas, Kaunas, and Molėtai mun. (Pileckis & Monsevičius, 1995; Gedminas, 2005; Butvila *et al.* 2007; Pacevičius, 2019).

**Peltis ferruginea* (Linnaeus, 1758)

Records: [42, 82], I, FIT, (1, 1), V.T.

Published data: Joniškis, Jurbarkas, Kaišiadorys, Kaunas, Kelmė, Kupiškis, Plungė, Rokiškis, Šakiai, Šiauliai, Švenčionys, Trakai, and Ukmergė mun. (Tamitis & Zolubas, 2001; Dapkus & Tamutis, 2008; Ferenca, 2004, 2006; Butvila *et al.*, 2007; Uselis *et*

al., 2007; Lopeta, 2007; Ivinskis *et al.*, 2007; Stanionis & Petrikas, 2011.

***Peltis grossa* (Linnaeus, 1758)**

Records: [32], II, FIT, (1), V.T.

Published data: Akmenė, Alytus (Punios šilas), Anykščiai, Biržai, Ignalina, Jonava, Joniškis, Jurbarkas, Kazlų Rūda, Kaišiadorys, Kaunas, Kelmė; Klaipėda, Rokiškis, Panevėžys, Šakiai, Šiauliai, Švenčionys, Tauragė, Trakai, Ukmergė, Varėna, Vilkaviškis, Vilnius, and Zarasai mun. (Karalius & Monsevičius, 1992; Ivinskis *et al.*, 2004, 2007, 2009; Pankevičius, 2007; Auglys, 1994; Obelevičius 2015, 2016; Butvila *et al.*, 2007; Meržijevskis, 2004; Stanionis & Petrikas, 2011; Švitra & Aliukonis, 2009; Dapkus & Tamutis, 2008; Ferenca, 2003, 2004, 2006; Šablevičius 1994, 1995, 2003; Šablevičius & Ferenca, 1995; Pileckis & Jakaitis, 1982; Uselis *et al.*, 2007; Lopeta 2007; Inokaitis, 2004; Kriaučiūnienė & Zaplatkin, 2007; Noreika, 2009; Masiulis, 2007; Leonavičius 2007).

Remarks. This species is listed in the Red Data book of Lithuania and categorized as endangered (EN) (Tamutis, 2021).

ZOPHERIDAE

****Bitoma crenata* (Fabricius, 1775)**

Records: [91], II, FIT, (1), V.T.

Published data: Alytus, Anykščiai, Kaunas, and Kazlų Rūda mun. (Pileckis, 1963; Tamutis & Zolubas, 2001; Obelevičius, 2015; Gedminas, 2005).

****Colydium elongatum* (Fabricius, 1787)**

Records: [19], I, FIT, (1), V.T.; [67], II, FIT, (1), V.T.

Published data: Kaunas mun. (Inokaitis, 2004).

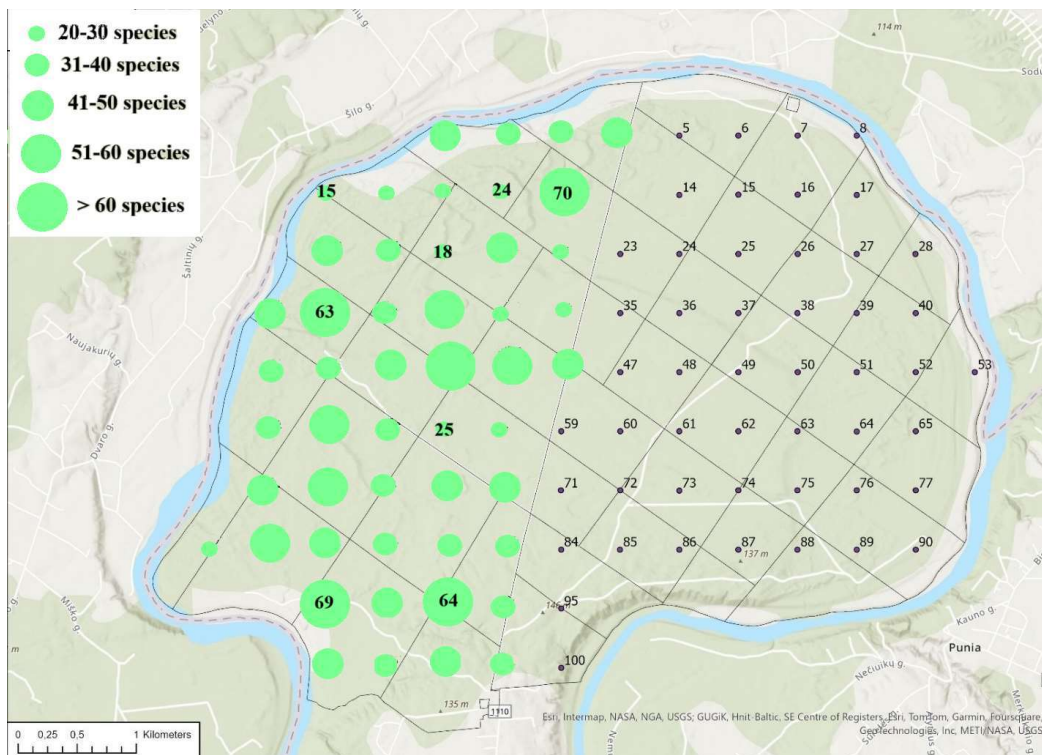


Figure 19. Map of Punios šilas with grid of forest quarters and marked monitoring points: the green dots illustrate the richness of selected species, numbers in the green dots mean number of discovered of selected species.

****Synchita humeralis* (Fabricius, 1792)**

Records: [2, 70], II, FIT, (1, 1), V.T.; [22], III, FIT, (1), V.T.

Published data: Joniškis, Kaunas, Neringa, Tauragė, Varėna, and Vilnius mun. (Šablevičius, 2003; Ferenca, 2004; Ferenca *et al.*, 2006; Butvila *et al.*, 2007; Ostrauskas & Ferenca, 2010; Ivinskis *et al.*, 2009).

Discussion

The information on 5880 specimens belonging to 30 species and 55 families of Coleoptera is presented in this paper. Our research revealed 293 beetle species new for the fauna of Punios šilas nature reserve, of which 18 are new to the fauna of Lithuania. The information only on 31 beetle species detected in Punios šilas has been reported previously (Bukejs *et al.*, 2012; Davenis *et al.* 2022; Ferenca, 2004; Ferenca & Tamutis, 2015; Ferenca *et al.* 2018; Ivinskis *et al.*, 2007, 2009) Tamutis & Alekseev, 2020; Tamutis *et al.*, 2010, 2015, 2019), of which six species, namely *Calosoma inquisitor* (Linnaeus, 1758), *Ceruchus chrysomelinus* (Hochenwart, 1785), *Osmoderma barnabita* Motschulsky 1845, *Protaetia lugubris* (Herbst, 1786) = *Protaetia (Liocola) marmorata marmorata* (Fabricius, 1792), *Peltis grossa* (Linnaeus, 1758), and *Necydalis major* Linnaeus, 1758 are officially protected (Rašomavičius, 2021). Additionally two more protected species were discovered during current studies: *Cucujus cinnaberinus* (Scopoli, 1763) and *Dendroxena quadrimaculata* (Scopoli, 1771).

The discovery of large number of rare or insufficiently known and new for Lithuanian fauna beetle's species is explained by the intensive trapping and high diversity of forest types. A comparatively large number (>50) of flight interception traps have been used in high diversities of forest types, altogether 11 types (Table 1), of the forest stands during the period of highest activity of beetles (May – June). Using this method were sampled 5862 individuals of selected species, however some of rare species, such as: *Agabus* (s. str.) *undulatus*, *Badister (Trimophus) sodalis*, *Bembidion (Diplocampa) assimile*, *Bembidion (Semicampa) schueppelii*, *Dyschirius (Dyschiriodes) nitidus nitidus*, *Dyschirius* (s. str.) *thorasicus*, *Dytiscus dimidiatus*, *Epuraea* (s. str.) *guttata*, *Oxyporus mannerheimi*, *Tanysphyrus lemnae* were discovered searching in its suitable microhabitats.

It is interesting to note that different traps caught a different number of selected beetle species in the study area (Fig. 19), which corresponds the value of stand from a biodiversity point of view. The highest number (>60) of species were discovered in 13, 30, 44, 91, and 93 monitoring points corresponding different types of mature forest with some gaps: *Myrtillo – Pinetum*, *Vaccinio – Myrtillo – Pinetum*, *Oxalido – nemoroso – Piceetum* and *Carico – sphagnum Pinetum* (Fig. 20). On another hand a lowest number (<30) of species were discovered in 9, 12, 20, 57, and 58 monitoring points, with relatively young and dense stands (Fig. 21).

The exceptional value of the Punia šilas forest is indicated by the species discovered during this study, such as: *Ampedus elongatulus*, *Corticeus* (s. str.) *suturalis*, *Denticollis borealis*, *Leiestes seminiger*, *Mycetophagus* (s. str.) *ater*, *Otho spondyloides*, *Peltis grossa*, *Phryganophilus* (s. str.) *auritus*, *Platylomalus complanatus*, *Stagetus borealis*, and *Stictoleptura (Varileptura) vairicornis*. These species are considered as relicts of the primeval forests of Central Europe (Eckelt *et al.*, 2018).



13 point, *Myrtillo - Pinetum* stand



91 point, *Vaccinio - Myrtillo - Pinetum* stand



93 point, *Oxalido - nemoroso - Piceetum* stand



30 point, *Carico - sphagnum - Pinetum* stand

Figure 20. Forest stands of monitored points in Punios šilas nature reserve, with the highest richness of selected species. Photos by Vytautas Tamutis.

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9 point, *Picea abies* pure stand



20 point, *Vaccinio - myrtillo - Pinetum* stand



12 point, *Vaccinio - myrtillo - Pinetum* stand



57 point, *Myrtillo - Pinetum* stand

Figure 21. Forest stands of monitored points in Punios šilas nature reserve with the lowest richness of selected species. Photos by Vytautas Tamutis.

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Įdomūs vabalų (Insecta: Coleoptera) rūšių faunistiniai atradimai Punios šilo gamtiniame rezervate – seniausiam Lietuvos miške.

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Santrauka

Punios šilas yra išskirtinės vertės medynų kompleksas, kuriame dėl ribojamos ūkinės veiklos išliko daug pirmykščiems Europos miškams būdingų gamtinių komponentų. Šioje unikalioje teritorijoje vykdamas projektą LIFE-IP PAF-NATURALIT „Natura 2000 tinklo valdymo optimizavimas Lietuvoje“ buvo atlikti ir vabalų bendrijų tyrimai. Punios šilo gamtinio rezervato teritorijoje sistemingai numatytose tyrimų vietose buvo įrengtos specialios skrydį trikdančios vabalų gaudyklės. Šiame straipsnyje pateikiama informacija apie retų, mažai žinomų ir naujų Lietuvos faunai vabalų (Coleoptera) rūšių aptikimo duomenis gautus išanalizavus 2023 metais, gegužės – liepos mėnesiais, 50 gaudyklių surinktą medžiagą. Taip pat pateikiama informacija apie naujas Punios šilo gamtinio rezervato faunai vabalų rūšis aptiktas ankstesnių tyrimų metu. Iš viso buvo pateikta informacija apie 5880 individų priklausančių 302 rūšims ir 55 vabalų būrio šeimoms aptikimo faktus Punios šilo gamtiniame rezervate. Iš jų 18 rūšių yra naujos Lietuvos faunai: *Agathidium discoideum* Erichson *Atomaria ornata* Heer, *Aulanothroscus laticollis* (Rybinski), *Clypeorhagus clypeatus* (Hampe), *Colon barnevillei* Kraatz, *Denticollis borealis* (Paykull), *Dorcatoma janssoni* Büche & Lundberg, *D. substriata* Hummel, *D. punctulata* Mulsant & Rey, *Erotides cosnardi* (Chevrolat), *Hylis olexai* (Palm), *Hydrobius subrotundus* Stephens, *Isorhipis marmottani* Bovouloir, *Mordellaria aurofasciata* (Comolli), *Mordellistena neuwaldeggiana* (Panzer), *Pseudanostirus globicollis* (Germar), *Rhyncolus punctatulus* Boheman, *Stagetus borealis* Israelson. Kai kurių pirmykščių miškų reliktnių rūšių, tokių kaip: *Ampedus elongatulus*, *Corticeus suturalis*, *Denticollis borealis*, *Leiestes seminiger*, *Mycetophagus ater*, *Otho spondyloides*, *Peltis grossa*, *Phryganophilus auritus*, *Platylomalus complanatus*, *Stagetus borealis* ir *Stictoleptura variicornis* aptikimas Punios šilo gamtiniame rezervate byloja apie išskirtinę jo vertę bioįvairovės požiūriu.

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