
New and rare Coleoptera species in Lithuania

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The article comprises data on 31 new and 56 rare to Lithuania Coleoptera species. For each species, its locality, biotope, number of found individuals and the collector are given. Two species, *Carabus intricatus* and *Cassida margaritacea*, are included in the Lithuanian Red Data Book. Most of new and rare species were found in the shores of water bodies, outer woods, mixed forest, gravel and sand pits.

Key words: insecta, Coleoptera, Lithuania

INTRODUCTION

In Lithuania, insects of the order Coleoptera have been investigated rather thoroughly. Two volumes on the fauna of these insects have been published in Lithuania [9]. These volumes give generalised data on many-year studies of beetles in this country. However, a series of more recent publications [1, 2, 7, 8, 11, 12] comprising data on tens of species new to Lithuania shows that the studies are incomplete. The purpose of this article is to present data on the Coleoptera species new and rare to Lithuania.

MATERIALS AND METHODS

The data were collected in the period 1996–2001. Single specimens were collected in previous years by such entomologists as R. Ferenc (further R. F.), P. Ivinskis (P. I.), D. Lukoševičius (D. L.), A. Meržijevskis (A. M.), S. Pakalniškis (S. P.), H. Ostrauskas (H. O.) and V. Jackūnas (V. J.). Some species (*Leistus rufomarginatus*, *Dienerella elongata*, *Triphyllus bicolor*, *Mycetophagus ater* and *Abdera triguttata*) were found during the revision of the specimens deposited in T. Ivanauskas Zoological Museum in Kaunas.

The beetles were found in the following districts and towns of Lithuania:

- | | |
|----------------------|--|
| Alytus distr., | 1. Vidzgiris (54°22'44.8"N, 24°00'06.6"E) |
| Ignalina distr., | 2. Svirkos, on the shore of Lake Svirikai (55°16'25.1"N, 26L35'27.9"E) |
| Jurbarkas distr., | 3. Viešvilė reserve. (55°07'07.5"N, 22°25'07.5"E), |
| | 4. Smaladaržis (55°07'02.3"N, 22°25'10.3"E); |
| | 5. Kalviai (55°04'20.4"N, 23°21'22.2"E) |
| Kaišiadorys distr., | 6. Kruonis, Varkeliškės (54°46'N, 24°11'E) |
| Kaunas distr., | 7. Jiesia landscape reserve (54°47' 21.1"N, 23°56' 15.7"E) |
| | 8. Dubrava forest (54°49'N, 24°05'E), |
| | 9. Nevėžis landscape reserve (54°56'N, 23°46'E), |
| | 10. Ringovė entomological reserve (55°02'59.6"N, 23°31'18.1"E) |
| Klaipėda distr., | 11. Šaičiai (55°51'N, 21°04'E), |
| Nida (Curonian Spit) | 12. Juodkrantė, Pervalka (55°25'N, 21°04'E) |
| Palanga town | 13. Palanga airport, gravel pit (55°59'25.0"N, 21°05'45.6"E), |
| | 14. Monciškės (55°59'N, 21°05'E); |
| Kretinga distr., | 15. Kartenalė entomological reserve (55°51'26.9"N, 21°23'59.2"E) |
| Lazdijai distr., | 16. Gerdašiai (53°56'43.6"N, 23°52'50.2"E) |
| Marijampolė distr., | 17. Juodeliai, gravel pit (54°22'50.0"N, 23°6'40.2"E); |
| | 18. Bukta forest (54°26'26"N, 23°28'19.2"E); |
| | 19. Kazlų Rūda (54°42'N, 23°32'E) |
| Prienai distr., | 20. Birštonas, Regional Park of the River Nemunas Turns |

	(54°36'19.6"N, 24°00'12.7"E)
Šakiai distr.,	21. Lekėčiai (54°59'N, 23°28'E),
	22. Juškai forest (55°00'54"N, 23°26'38.7"E)
Panevėžys distr.,	23. Žalioji forest, 227 square (55°49'N, 24°28'E)
Šiauliai distr.,	24. Parkulpys forest (56°04'N, 23°01'E),
	25. Paežeriai (55°57'N, 22°51'E),
	26. Ringuva forest (56°01'N, 23°07'E),
	26 a. Vilkuriai (55°54'N, 23°15'E),
	27. Rekčiai (56°04'N, 22°51'E),
	28. Meadow at the confluence of the Rivers Žižma and Venta (56°04'N, 22°51'E),
	29. Agailiai forest (56°06'N, 22°54'E)
Šilutė distr.,	30. Mīkytai (55°07'16.9"N, 21°56'21.0"E)
Švenčionys distr.,	31. High bogs: Baluoša (54°54'N, 25°45'E),
	32. Gelednė (54°58'18.9"N, 26°01'59.3"E);
	33. Antanai forest (55°14'30.7"N, 26°41'04.5"E),
	34. Vaičiukiškė (55°14'N, 26°09'E).
Trakai distr.,	35. Čižiūnai (54°36' 43.7"N, 24°30' 58.9"E)
Varėna distr.,	36. Netiesos (54°11'N, 24°06'E)
Zarasai distr.,	37. Yliškė (55°37'50.6"N, 26°28'30.7"E)
Kelmė distr.,	38. Pavėžupis (55°47'N, 22°49'E)
Utena town	39. Utena (55°28'N, 25°37'E)
Biržai distr.,	40. Spalviškiai (56°16'N, 24°58'E)
Kaunas–Klaipėda highway,	41. shore of the Dubysa River (55°10'N, 23°30'E).

The specimens were collected applying classical methods. They are deposited in T. Ivanauskas Zoological Museum, Institute of Ecology and A. Meržijevskis' collection.

The nomenclature of beetles is given according to different literature [3, 13].

RESULTS

A list of Coleoptera species comprising 87 species new and rare to Lithuania is given. The localities of new and rare species embrace almost all sites of the recent studies (Fig. 1).

Fam. Carabidae

**Cicindela arenaria viennensis* Schrank, 1781

Kaunas distr., Dubrava forest, sand pit 08 07 1992, 1 spec. (R. F.); Marijampolė distr., Juodeliai, sand pit 11 08 2000, 5 spec. (R. F.), 17 07 2001 about 20 spec. observed. (P. I.), 15 08 2001, 5 spec. (R. F.)

Carabus convexus (Fabricius, 1775)

Palanga town, Palanga airport, 08 05-06 11 2001, 9 spec. trapped (R. F.); Zarasai distr., Yliškės, 22 05- 07 08 2001, 5 spec. trapped (R. F.)

Carabus violaceus Linnaeus, 1758

Šiauliai distr., Ringuva forest, 08 1996, 1 spec. (R. F.)

Carabus intricatus Linnaeus, 1761

Kaunas distr., Ringovė, 04 07 1996, 5 spec., 27 07 1999, 1 spec., 30 07 1999, 2 spec. (R. F.). All spec. found in the trunk of a rotten spruce.

Dyschirius nitidus (Dejean, 1825)

Šiauliai distr., Ringuva forest, 08 1996, 3 spec. (R. F.)

Elaphrus aureus Müller, 1821

Kretinga distr., Kartenalė, 28 08 1996, 2 spec. (R. F.)

Miscodera arctica (Paykull, 1790)

Švenčionys distr., Baluoša, high bog 25 05- 22 06 2001, 1 spec. trapped (R. F.)

Licinus depressus (Pykull, 1787)

Palanga town, Palanga airport, 09-30 05 2001. 1 spec. trapped (R. F.)

Harpalus hirtipes (Pnzer, 1797)

Marijampolė distr., Juodeliai 14 08 2001, 3 spec. (R. F.)

Diachromus germanus (Linnaeus, 1758)

Kaunas distr., Jiesia landscape reserve, 20 05 1999, 1 spec. (R. F.)

Stenolophus teutonius (Schrank, 1787)

Palanga town, Mončiškės, 09 05 2001, sand-dunes on the coast of the Baltic Sea, 1 spec. (R. F.); surroundings of Palanga airport, 09 05 2001, sand pit, 1 spec. (R. F.)

Masoreus wetterhalii (Gyllenhal, 1813)

Nida (Curonian Spit), environs of Juodkrantė, shore of the Curonian Lagoon, 10 07 2000, 1 spec. (R. F.)

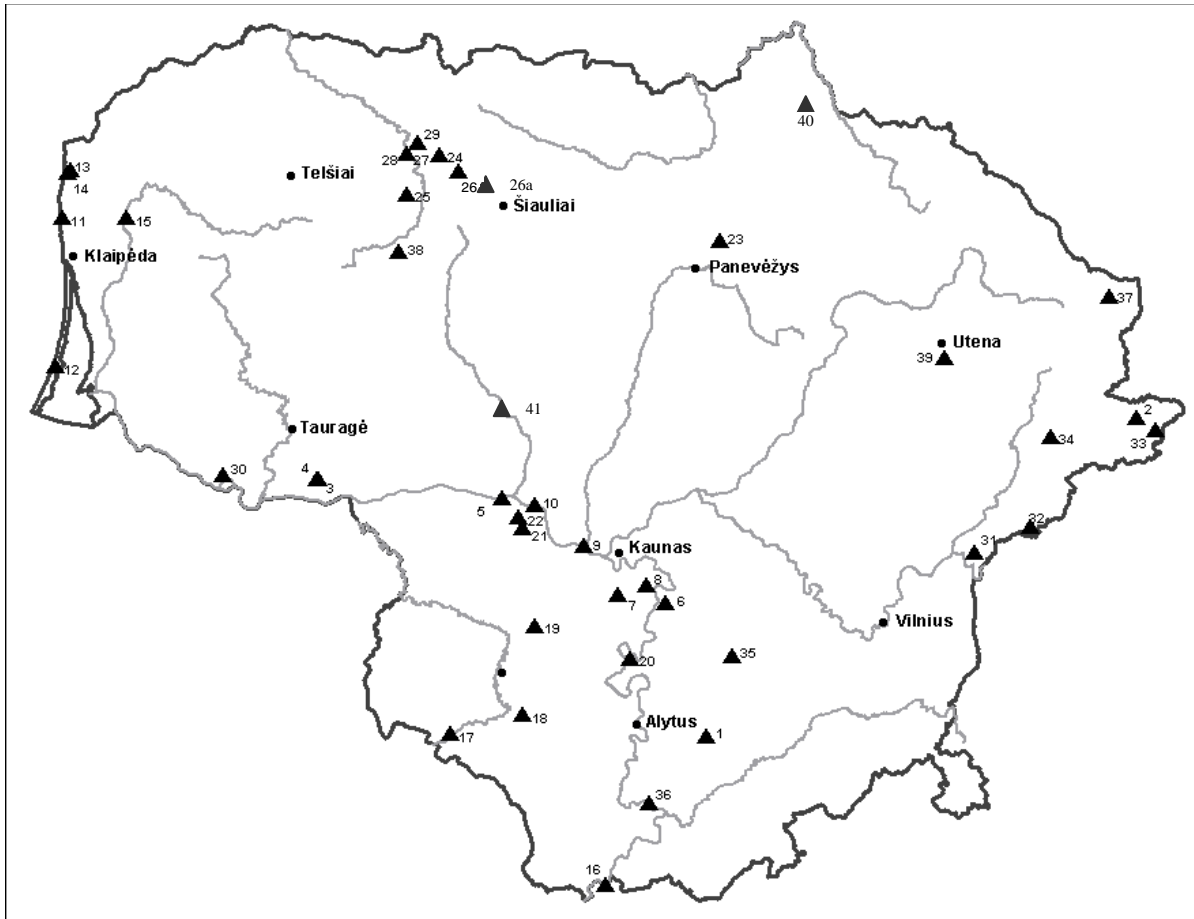


Fig. 1. Research sites of beetles (Coleoptera)

Lebia chlorocephala (Hoffmannsegg, 1803)

Palanga town, Monciškės 09 05 2001 sand-dunes near the Baltic Sea, 1 spec. (R. F.); Palanga airport, 26 07- 28 08 2001, 1 spec. trapped. (R. F.)

Demetrius monostigma (Samouelle, 1819)

Palanga town, Monciškės, sand-dunes near the Baltic Sea, 09 05 2001, 3 spec., 30 05 2001, 1 spec. (R. F.)

Dromius linearis (Olivier, 1795)

Palanga town, Monciškės, sand-dunes near the Baltic Sea, 2001 05 09, 1 spec. (R. F.)

Nebria brevicollis (Fabricius, 1792)

Šiauliai distr., Ringuva forest, 08 1996, 2 spec. (R. F.)

Syntomus truncatellus (Linnaeus, 1761)

Šiauliai distr., Paežeriai, 1999 07 23, 2 spec. (R. F.)

**Bembidion caeruleum* (Audient-Serville, 1821)

Kaunas distr., Jiesia landscape reserve, 17 06 2000, 1 spec. (A. M.), 2001 04 08, springy slope at the river, 3 spec. (R. F.)

**Leistus rufomarginatus* (Duftschmid, 1812)

Kretinga distr., Kartenalė reserve, 1996 08 08, in the litter of a deciduous forest, 1 spec. (R. F.)

**Lionychus quadrillum* (Duftschmid, 1812)

Palanga town, environs of the Palanga airport., 2001 05 09, 5 spec., 2001 07 26, 5 spec. (R. F.), in a sand pit.

Fam. Pselaphidae

**Amauronyx maerkelii* (Aube, 1844)

Kaunas distr., Jiesia landscape reserve, 06 06 2000, in the litter of deciduous forest, 1 spec. (R. F.)

Fam. Dytiscidae

Hydroporus notatus Sturm, 1835

Šiauliai distr., Parkulpis forest, Kulpė river, 14 08 1998. 1 spec. (R. F.)

Fam. Hydraenidae

Ochtebius pusillus Steph.

Šiauliai distr., Parkulpis forest, Kulpė river, 14 08 1998, 3 spec. (R. F.)

Fam. Dermestidae

Dermestes maculatus Degeer, 1774

Utena, 04 09 1986 6 spec., on the stored furs (V. J.)

Fam. Ptinidae

Ptinus subpillosus Sturm, 1837

Šiauliai distr., Parkulpis forest, 13–14 08 1998, 1 spec. (S. P.)

Fam. Ptiliidae

**Ptenidium nitidum* (Heer, 1841)

Kaunas distr., Jiesia landscape reserve, 27 05 1999, in the litter of deciduous forest, 1 spec. (R. F.)

Fam. Staphylinidae

Ocypus ophthalmicus (Scopoli, 1763)

Palanga town, Palanga airport, 08 05–06 11 2001, 11 spec. trapped. (R. F.)

Oxyporus mannerheimi (Gyllenhal, 1827)

Švenčionys distr., Gelednė, 09 08 2001, pine forest, 1 spec. (R. F.)

**Lomechusa emarginata* (Paykull, 1789)

Nida (Curonian Spit), Juodkrantė, shore of the Curonian Lagoon, 13 07 2000, under silt, 1 spec. (R. F.)

**Quedius infuscatus* (Erichson, 1840)

Nida (Curonian Spit), Juodkrantė, shore of the Curonian Lagoon, 13 07 2000, under silt, 1 spec. (R. F.)

Fam. Eucinetidae

Eucinetus haemorrhoidalis (Germar, 1818)

Švenčionys distr., Gelednė 09 08 2001 high bog, 2 spec. (R. F.)

Fam. Scarabaeidae

Aegalia arenaria (Fabricius, 1787)

Palanga town, Mončiškės 09 05 2001, sand-dunes on the coast of the Baltic Sea, 3 spec. (R. F.); Palanga town, Mončiškės, 30 05 2001, sand-dunes on the coast of the Baltic Sea, 2 spec. (R. F.)

Onthophagus taurus (Schreber, 1759)

Lazdijai distr., Gerdašiai, 13 08 1996, in the meadow, cattle dung, 1 spec. (R. F.)

Fam. Cantharidae

Silis ruficollis (Fabricius, 1775)

Ignalina distr., shore of Lake Svirikai, 20 06 2001, 1 spec. (R. F.); Vilnius distr., Sužionys, 25 06 2000, 1 spec. (P. I.)

Silis nitidula (Fabricius, 1792)

Kaunas distr., Jiesia landscape reserve, 10 05 2000, 2 spec. (R. F.)

**Rhagonycha lutea* (Muller, 1764)

Kaunas distr., Jiesia landscape reserve, 09 06 2000, 1 spec. (R. F.)

Fam. Elateridae

Harminius undulatus (Degeer, 1774)

Švenčionys distr., Antanai forest (pedological reserve), 21 06 2001, 2 spec. flew into the light. (P. I.)

Ampedus tristis (Linnaeus, 1758)

Švenčionys distr., Gelednė, 21 06 2001. Under the bark of a dry pine, 2 spec. (R. F.)

Calambus bipustulatus (Linnaeus, 1767)

Kaunas distr., Ringovė, 04 07 1996, 1 spec. (R. F.)

Fam. Eucnemidae

Hylis procerulus (Mannerheim, 1823)

Jurbarkas distr., Viešvilė reserve, 24 07 2001. Under the bark of a dry pine, 1 spec. (R. F.)

Fam. Byrrhidae

**Pelochares versicolor* (Waltl, 1838)

Kaišiadorys distr., Varkališkės, 30 04 2000, among silt on the shore of the lake, 2 spec. (A. M.)

**Limnichus sericeus* (Duftschmid, 1825)

Kaunas distr., Jiesia landscape reserve, 02 06 2000, among silt on the shore of the river, 1 spec. (R. F.)

Fam. Anobiidae

**Xestobium rufovillosum* (Degeer, 1774)

Kaunas distr., Jiesia landscape reserve, on the trunk of a dry oak, 15 05 1996, 1 spec. (R. F.), 12 05 2001, 1 spec. (R. F.)

**Ernobius abietinus* (Gyllenhal, 1808)

Šakiai distr., Lekėčiai, 13–19 04 1999, 3 spec. caught applying a light trap. (R. F.)

**Ptilinus fuscus* (Geoffroy, 1785)

Kaunas distr., Ringovė, 04 07 1996, 1 spec. (R. F.)

Fam. Nitidulidae

Cryptarcha strigata (Fabricius, 1787)

Šiauliai distr., Paežeriai, 16–17 07 1998, 2 spec. (R. F.)

Fam. Coccinellidae

Sospita vigintiguttata (Linnaeus, 1758)

Zarasai distr., Yliškės, 22 05 2001, 4 spec. (R. F.); Jurbarkas distr., Viešvilė reserve., 24 07 2001, 1 spec. (R. F.)

Fam. Lathridiidae

**Dienerella elongata* (Curtis, 1830)

Kaunas distr., Nevėžis landscape reserve, 10 04 1998, on the shore of the River Nevėžis, 1 spec. caught in a natural meadow (D. L.)

Fam. Cisidae

**Cis comptus* (Gyllenhal, 1827)

Lazdijai distr., Gerdašiai, 13 17 1999, on the sponge growing on an alder, 1 spec. (R. F.)

Fam. Mycetophagidae

**Triphyllus bicolor* (Fabricius, 1777)

Alytus, Vidzgiris reserve, 30 07 1998, 1 spec. (R. F.)

**Mycetophagus ater* (Reitter, 1879)

Marijampolė distr., Bukta forest, 07 08 1996. Under the bark of a dry oak touched by fungi, 1 spec. (R. F.)

Fam. Tenebrionidae

Scaphidema metallicum (Fabricius, 1792)

Švenčionys distr., Gelednė, 21 06 2001, in the wood of a rotting pine, 2 spec. (R. F.)

Uloma culinaris (Linnaeus, 1758)

Lazdijai distr., Gerdašiai, 14 08 1996, 3 spec. (R. F.)

Fam. Rhipiphoridae

Metoecus paradoxus (Linnaeus, 1761)

Vilnius, 08 2000, 1 spec. (P. I.)

Fam. Melandryidae

Zilora sericea (Sturm, 1807)

Švenčionys distr., Gelednė, 22 06 2001, under the bark of a pine, 1 spec. (R. F.)

**Abdera triguttata* (Gyllenhal, 1827)

Nida (Curonian Spit), Pervalka, 23 06 1998, under the bark of a dry birch, 1 spec. (R. F.)

**Phloiotrya rufipes* (Gyllenhal, 1810)

Kaunas distr., Jiesia landscape reserve, 11 06 1990, 1 spec. (R. F.)

Fam. Cerambycidae

Leptura mimica (Bates, 1884)

Švenčionys distr., Antanai forest, 21 06 2001, 1 spec. (R. F.)

Menesia bipunctata (Zoubkoff, 1829)

Prienai distr., environs of Birštonas, Regional Park of the River Nemunas Turns, 05 06 2001, 1 spec. (R. F.)

Fam. Chrysomelidae

Pachnophorus tessellatus (Olivier, 1792)

Marijampolė distr., Juodeliai, 16 08 2001, dry meadow, 6 spec. (R. F.)

Cassida panzeri (Weise, 1907)

Ignalina distr., shore of Lake Svirikai, 20 06 2001, 1 spec. (R. F.)

Cassida murraea (Linnaeus, 1767)

Prienai distr., environs of Birštonas, Regional Park of the River Nemunas Turns, 06 08 1996, 4 spec. (P. I.); Lazdijai distr., Gerdašiai, 13 08 1996, 1 spec. (P. I.); Šiauliai distr., Paežeriai forest, 16–17 07 1998, 1 spec. (R. F.); Šiauliai distr., Vilkuriai., 04 08 1999, 2 spec. (P. I.); Švenčionys distr., Antanai forest, 07 08 2001, in a dry meadow of the outer wood on *Inula* 3 spec. (P. I.)

**Cassida ferruginea* Goeze, 1777

Kaunas–Klaipėda highway, shore of the Dubysa River, 28 06 1999, 1 spec. (P. I.)

Cassida margaritacea Schaller, 1783

Lazdijai distr., Gerdašiai, 08 1999, 10 spec. (P. I.), 07 2000, 1 spec. (P. I.); 03 08 1997, 2 spec. (P. I.)

Sermylassa halensis (Linnaeus, 1767)

Šiauliai distr., in a meadow at the confluence of the Rivers Žižma and Venta, 11–12 08 1998, 4 spec. (R. F.)

Phyllobrotica quadrimaculata (Linnaeus, 1758)

Šiauliai distr., valley at the confluence of the Rivers Žižma and Venta, 11–12 08 1998, 1 spec. (R. F.)

**Cryptocephalus rufipes* (Goeze, 1777)

Klaipėda distr., Šaipiai, 21 07 1999. On *Salix* sp. 2 spec. (R. F.); Šiauliai distr., Ringuva forest, 01 08 1996. On *Salix* sp. 2 spec. (R. F.)

Cryptocephalus pusillus Fabricius, 1777

Šiauliai distr., Parkulpis forest, 13 08 1998, 1 spec. (R. F.)

**Derocrepis rufipes* (Linnaeus, 1758)

Kaunas distr., Jiesia landscape reserve, 16 05 2000. At the edge of the field of cultivated crops *Lathyrus* sp. 12 spec. caught. (R. F.)

**Psyllodes picina* (Marsham, 1802)

Jurbarkas distr., Kalviai, 01 08 2000, 1 spec. (R. F.)

**Hispella atra* (Linnaeus, 1758)

Trakai distr., Čižiūnai, 21 06 2000, 1 spec. (P. I.)

Fam. Bruchidae

Bruchidius marginalis Fabr.

Kaunas distr., Ringovė, 07 06 1990, 1 spec. (R. F.), 04 07 1996, 1 spec. (R. F.)

Fam. Anthribidae

Tropideres albirostris (Herbst, 1783)

Kaunas distr., Dubrava forest, 11–17 05 1998. 2 spec. got into a light trap (R. F.)

Tropideres dorsalis (Thunberg, 1796)

Panevėžys distr., Žalioji forest, Žalioji forestry, 227 square, 06 2000, 1 spec. (H. O.)

**Rhaphitropis marchicus* (Herbst, 1767)

Švenčionys distr., Antanai forest, 20 06 2001. Under the bark of a pine, 1 spec. (R. F.)

Fam. Apionidae

**Apion dissimile* (Germar, 1817)
 Varėna distr., Netiesos. 13 07 1999. On a dry meadow at the edge of a road, 1 spec. was caught. (R. F.)

Fam. Curculionidae

Gronops inaequalis (Boheman, 1842)

Kretinga distr., Monciškės, 30 05 2001. Sand-dunes near the Baltic Sea, 1 spec. (R. F.)

Auleutes epilobii (Paykull, 1800)

Šilutė distr., Mikytai forest, 15 06 2001. 1 spec. (R. F.); Kelmė distr., Pavėžupis pisciculture farm, 20 05 1992, 1 spec. found. (R. F.)

Amalus scortillum (Herbst, 1795)

Kaišiadorys distr., Kruonis, 02 06 2000. 1 spec. (A. M.)

Ceutorhynchus barbareae (Suffrian, 1847)

Palanga, environs of Palanga airport, 08 05 2001, 6 spec. (R. F.)

Trichosirocalus troglodytes (Fabricius, 1787)

Šiauliai distr., meadow at the confluence of the Žižma and Venta Rivers, 11-12 08 1998. 1 spec. (R. F.)

Corysomerus capucinus (Beck, 1817)

Kaišiadorys distr., Kruonis, 23 04 2000. 1 spec. (A. M.)

**Anthonomus conspersus* (Desbr. Des Loges, 1868)

Šakiai distr., Juškai forest, 15 05 1999. 1 spec. caught on *Sorbus aucuparia*. (R. F.)

**Marmoropus besseri* (Gyllenhal, 1837)

Marijampolė distr., Kazlų Rūda, 15 06 1997, in the meadow of the outer wood, 1 spec. caught (A. M.); Jurbarkas distr., Kalviai, 15 06 2001, 1 spec. (R. F.)

**Stereonychus fraxini* (Degeer, 1775)

Biržai distr., Spalviškiai, 02 06 1999. 1 spec. (P.I)

Zacladus geranii (Paykull, 1880)

Šiauliai distr., meadow at the confluence of the Žižma and Venta Rivers, 11-12 08 1998 7 spec. caught on *Geranium* sp. (R. F.)

**Litodactylus leucogaster* (Marsham, 1802)

Švenčionys distr., Vaičiukiškė, 11 06 1999, 1 spec. in the meadow near Lake Kretuonykštis (P. I.).

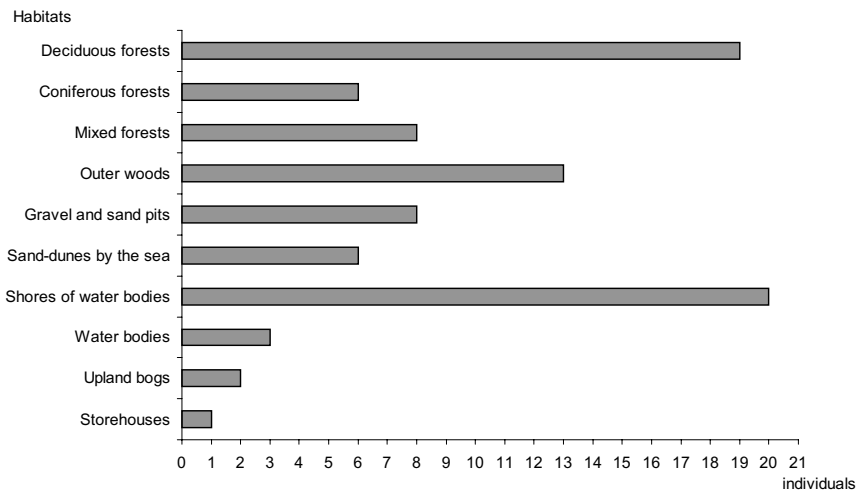


Fig. 2 Distribution of Coleoptera in habitats

During the ecofaunistic studies carried out in 21 Lithuanian districts and 3 towns in 1996–2001 and while revising material deposited in T. Ivanauskas Zoological Museum, 31 new and 56 rare to Lithuania Coleoptera species were described. The current paper also presents the ecological distribution of the newly found species.

Studies have shown that beetle species are mostly found on the shores of water bodies, edges of forests, gravel pits, mixed and deciduous forests. Several new species found in gravel pits show that deserted gravel and sand pits are investigated insufficiently and they are important for Coleoptera species dwelling in open areas (Fig. 2).

CONCLUSIONS

From the material collected in 1996–2001 by R. Ferenca, P. Ivinskis, D. Lukoševičius, A. Meržijevskis, S. Pakalniškis, H. Ostrauskas, and V. Jackūnas in 21 Lithuanian districts and 3 towns in 1996–2001, 31 new to Lithuania and 56 rare species of Coleoptera were determined. For each species, its locality, habitat, number of found individuals and the collector are given.

Most of new and rare species were found in shores of water bodies, outer woods, mixed forest and gravel and sand pits. Two species (*Carabus intricatus* and *Cassida margaritacea*) are included in the Lithuanian Red Data Book.

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NAUJOS IR RETOS VABALŲ (COLEOPTERA) RŪŠYS LIETUVOJE

S a n t r a u k a

Straipsnyje pateikiami duomenys apie 31 pirmą kartą rastą ir 56 retas Lietuvoje vabalų rūšis. Kiekvienai rūšiai nurodoma radimo vieta, biotopas, rastų individų skaičius, rinkikas. Daugiausia naujų ir retų vabalų rūšių rasta vandens telkinių pakrantėse, pamiškėse, mišriuose miškuose ir smėlio bei žvyro karjeruose.

Dvi rūšys – *Carabus intricatus* ir *Cassida margaritacea* įrašytos į Lietuvos raudonąją knygą.

Raktažodžiai: vabzdžiai, vabalai, Lietuva