

MATERIALS ABOUT LADYBIRD BEETLES (COLEOPTERA: COCCINELLIDAE) OF THE FAUNA OF LATVIA

Dainis Lazdāns, Arvīds Barševskis

Lazdāns D., Barševskis A. 2010. Materials about ladybird beetles (Coleoptera: Coccinellidae) of the fauna of Latvia. *Acta Biol. Universit. Daugavpil.*, 10 (1): 77 – 84.

In this article there are new data about the distribution of the species of ladybird beetles (Coleoptera: Coccinellidae) in Latvia. These information are obtained by processing the materials from the collections of Natural History Museum of Latvia and Institute of Biology, University of Latvia. Totally 742 specimens from 28 species were determined.

Key words: *Coccinellidae*, *Coleoptera*, fauna, distribution, Latvia.

Arvīds Barševskis, Daugavpils University, Institute of Systematic biology, Vienības Str. 13, Daugavpils, LV-5401, Latvia; arvids.barsevskis@du.lv

Dainis Lazdāns, Daugavpils University, Laboratory of Geomatics, Parādes Str. 1-433, Daugavpils, LV-5401, Latvia; dainis.lazdans@du.lv

INTRODUCTION

In XX and in the first decade of the XXI century the researches of the fauna of beetles in Latvia, including ladybird beetles (Coleoptera: Coccinellidae), became more active. Mainly it was related to the development of coleopterological researches in the Daugavpils University. Many articles were published that included some information about the ladybird beetles in the Latvian fauna (Barševskis 2001, Barševskis et al. 2004, Barševskis, Bukejs, Anichtchenko 2008). The lists of Northern European beetles were published (Lundberg, 1995, Silfverberg 1992, 1996, 2004) as well as the Catalogue of Palaearctic beetles (Kovař 2007) where data about the distribution of ladybird beetles in Latvia was also included.

There is new data in this article about the distribution of the species of ladybird beetle in

Latvia that is based on collections of beetles in Natural History Museum of Latvia (Riga, Latvia) and Institute of Biology, University of Latvia (Salaspils, Latvia). The aim of this article is to acquire new information about the spread of ladybird beetles in Latvia.

Some species kept in the both collections are rare in Latvia. Among them *Coccinella magnifica* Redtenbacher, 1843, *Halyzia sedecimguttata* (Linnaeus, 1758), *Calvia decemguttata* Linnaeus, 1767 etc.

In the list of the species after the title of the species the data of the specimens in particular collections (LDM - Natural History Museum of Latvia; LUBI - Institute of Biology, University of Latvia) are indicated. The data on the label includes date and place of levy, in the brackets the amount of levied specimens is indicated, and then there are initials and the surname of the

collector. In particular cases the abbreviation of the collector's surname how it is written on the label is also published.

MATERIAL AND METHODS

During the research the 742 specimens of ladybird beetles of 28 species from the beetles' collections of Natural History Museum of Latvia (Riga, Latvia) and Institute of Biology, University of Latvia (Salaspils, Latvia) are identified. The abbreviation of the collection of Nature History Museum of Latvia used further in the list of species are correspondent to V. R. E.M.J.-B. Bejsak-Colorado-Mansfeld (2004).

The research is implemented by using the microscope *Zeiss Stereo Lumar V12*, the digital photo camera *Axiocam* and the software *Axioview 4.4*.

RESULTS

Coccinellidae Latreille, 1807

Epilachninae Mulsant, 1846

Madaini Gordon, 1975

***Subcoccinella* Guerin-Méneville, 1844**

***1. Subcoccinella vigintiquatuorpunctata* (Linnaeus, 1758)**

LDM: Rīga distr., Bajāri, 18.09.1975., (1, M. Stiprais leg.); Mangaļi, 24.05.1956., (1, G. Ozols leg.). Without label 1 individual.

LUBI: Ogre distr., Jumprava, 02.08.1983., (1, A. Karps leg.).

Coccidulinae Mulsant, 1846

Coccidulini Mulsant, 1846

***Coccidula* Gyllenhal, 1827**

***2. Coccidula rufa* (Herbst, 1783)**

LDM: Rīga distr., Garupe, 19.05.1976., (3, M. Stiprais leg.).

Scymninae Mulsant, 1846

Scymnini Mulsant, 1846

***Scymnus* Kugelann, 1794**

***Scymnus nigrinus* Kugelann, 1794**

LDM: Rīga distr., Mangaļi, 20.07.1956., (1, G. Ozols leg.).

***Scymnus suturalis* Thunberg, 1795**

LDM: Rīga distr., Mangaļi, 30.05.1956., (3, G. Ozols leg.), 09.05.1957., (3, G. Ozols leg.), 20.06.1956., (1, G. Ozols leg.).

Chilocorinae Mulsant, 1846

Chilocorini Mulsant, 1846

***Chilocorus* Leach, 1815**

***Chilochorus renipustulatus* (Scriba, 1790)**

LDM: Rīga distr., Kangari, 15.08.1948., (1, M. Stiprais leg.); Melluži, 26.08.1937., (1, Bruņinieks leg.), 09.08.1937., (1, Bruņinieks leg.), 26.06.1938., (1, Bruņinieks leg.); Rīga, 23.08.1943., (1, M. Stiprais leg.); Spilves pļavas, 24.07.1966., (2, L. Danka leg.); **Saldus distr.**, Reņģe, 17.08.1927., (1); **Ventspils distr.**, Ventspils, 06.07.1945., (1, M. Stiprais leg.). Without label 6 individuals.

LUBI: Cēsu distr., Līgatne, 27.09.1987., (1, A. Opmanis leg.); **Jelgava distr.**, Zaļenieki, 30.08.1973., (2, V.M. leg.), 28.08.1973., (1, V.M. leg.); **Rīga distr.**, Asari, 13.09.1969., (1, Z.Sp. leg.); Ķemeri, 27.05.1951., (1, Z.Sp. leg.); **Valmiera distr.**, Mazsalaca, 24.07.1989., (1), 14.07.1989., (2), 07.08.1989., (1), 02.10.1989., (1), 28.08.1989., (1), 14.08.1989., (1).

***Exocomus* Redtenbacher, 1843**

***Exochomus quadripustulatus* L.**

LDM: Rīga distr., Biķernieku priedes, 23.05.1943., (2, M. Stiprais leg.); Carnikava, (1, G. Ozols leg.); Līņu ezers, 16.06.1946., (1, M. Stiprais leg.);

Melluži, 12.03.1935., (1, Bruņinieks leg.); 09.08.1937., (1, Bruņinieks leg.); 26.06.1938., (1, Bruņinieks leg.); Rīga, 06.04.1939., (1, J. Muskars leg.); **Ventspils distr.**, Rinda, 19.06.2001., (1, J. Gailis leg.). Without labels 5 individuals.

LUBI: Jelgava distr., Zaļenieki, 30.08.1973., (1, V.M. leg.); 07.08.1973., (1, V.M. leg.); **Kuldīga distr.**, Pūteļi, 23.05.1974., (1, V.M. leg.); **Rīga distr.**, Dārziņi, 24.05.1974., (2, Varzinska leg.); Garciešs, 24.06.1975., (2, Z.Sp. leg.); Garupe, 13.05.1990., (1, F. Savičš leg.); Kalngale, 19.06.1975., (1, Z.Sp. leg.); Rīga, 31.05.1957., (1, Z.Sp. leg.); **Ventspils distr.**, Puze, 16.06.1974., (1, V.M. leg.). Without labels 3 individuals.

Coccinellinae Latreille, 1807

Halyziini Mulsant, 1846

Halyzia Mulsant, 1846

Halyzia sedecimguttata (Linnaeus, 1758)

LDM: Aizkraukle distr., Koknese, (2, L. Danka leg.); **Rīga distr.**, Garciešs, 06.06.1943., (1, M. Stiprais leg.); Kūdra, 01.05.1995., (1, A. Titovš leg.); Rīga, 03.07.1941., (1, M. Stiprais leg.); 21.07.1922., (1); **Talsu distr.**, Dundaga, 20.06.2001., (1, J. Gailis leg.). Without labels 2 individuals.

Psyllobora Chevrolat, 1836

Psyllobora vigintiduopunctata (Linnaeus, 1758)

LDM: Aizkraukle distr., Koknese, 02.10.1943., (1, L. Danka leg.); **Jēkabpils distr.**, Jēkabpils, 15.04.1922., (1, J. Muskars leg.); **Rīga distr.**, Asari, 25.06.1971., (1, M. Stiprais leg.); Melluži, 29.07.1934., (1, Bruņinieks leg.); Rīga, 14.04.1944., (1, M. Stiprais leg.); 19.05.1946., (2, M. Stiprais leg.); 11.05.1941., (1, J. Muskars leg.); Vangaži, 22.06.1954., (1, M. Stiprais leg.). Without labels 4 individuals.

LUBI: Balvi distr., Balvi, 11.07.1956., (1, Z.Sp. leg.); **Cēsu distr.**, Gauja valley, Cūkaiņu pļavas, 29.07.1970., (1, Z.Sp. leg.); Līgatne, 03.06.1987., (1, A. Opmanis leg.); **Jelgava distr.**, Platone,

15.09.1972., (1, Z.Sp. leg.); Svēte, 17.09.1954., (1, Z.Sp. leg.); Zaļenieki, 27.06.1973., (1, V.M. leg.); **Rīga distr.**, Daugavgrīva, 19.12.1992., (1, Matrozis leg.); Dārziņi, 24.09.1996., (1, Z.Sp. leg.); Doles sala, 06.06.1992., (1, M.K. leg.); Garupe, 07.08.1974., (1); Grants ez., 12.09.1996., (3, Z.Sp. leg.); Rīga, 18.07.1974., (1, Z.Sp. leg.); Salaspils, 04.07.1996., (2, Z.Sp. leg.); Salaspils, Botāniskais dārzs, 14.06.1997., (1, Z.Sp. leg.); Saulkalne, 13.05.1993., (1, Z.Sp. leg.); Torņkalna stacija, 22.06.1973., (1, Z.Sp. leg.); Zaslauka depo, 11.05.1973., (1, Z.Sp. leg.); **Ventspils distr.**, Puze, 13.06.1974., (1, V.M. leg.); 15.06.1974., (1, V.M. leg.); 29.07.1974., (1, V.M. leg.).

Tytthaspidini Crotch

Anisosticta Chevrolat, 1836

Anisosticta novemdecimpunctata L.

LDM: Rīga distr., Rīga, 07.05.1948., (1, M. Stiprais leg.); **Saldus distr.**, Reņģe, 05.06.1932., (1, J. Muskars leg.); **Tukuma distr.**, Kandava, 30.05.1940., (2, M. Stiprais leg.).

LUBI: Cēsu distr., Gauja valley, 29.05.1971., (1, Z.Sp. leg.); Gauja valley, Siguldas ezers, 21.05.1971., (3, Z.Sp. leg.); **Dobele distr.**, Tērvete, 11.06.1974., (1, V.M. leg.); **Jelgava distr.**, Krasta ciems, 22.06.1974., (2, Z.Sp. leg.); Zaļenieki, 05.07.1973., (1, V.M. leg.); **Kuldīga distr.**, Priedaine, 01.06.1974., (4, Z.Sp. leg.); **Limbažu distr.**, Staicele, 16.08.1990., (1); **Ogre distr.**, Glāžšķūnis, 14.05.1968., (1, Z.Sp. leg.); **Rīga distr.**, Garciešs, 05.09.1973., (1, A. Kacina leg.); Vecdaugava, 18.06.1974., (5), 31.05.1974., (1), 31.09.1974., (1); **Talsi distr.**, Vēzenes ezers, 08.08.1960., (1, Z.Sp. leg.); **Tukuma distr.**, Engures ezers, 12.06.1960., (2, Z.Sp. leg.); Klapkalnciems, 10.07.1975., (2, Z.Sp. leg.); **Ventspils distr.**, Puze, 13.06.1974., (1, V.M. leg.); 17.06.1974., (1, V.M. leg.).

Coccinula Dobrzanskiy, 1925

Coccinula quatuordecimpustulata (Linnaeus, 1758)

LDM: Aizkraukle distr., Koknese, 17.07.1944., (1, L. Danka leg.), 28.07.1946., (1, L. Danka leg.); **Daugavpils distr.**, Dubezers, 13.06.1937., (1); **Jēkabpils distr.**, Jēkabpils, 06.05.1922., (1, J. Muskars leg.); **Rīga distr.**, Dārziņi, 14.07.1967., (4, L. Danka leg.), 25.07.1971., (2, L. Danka leg.); Garciems, 06.06.1943., (2, M. Stiprais leg.); Kangari, 10.08.1948., (3, M. Stiprais leg.); Rāmava, 30.05.1948., (1, M. Stiprais leg.); Silciems, 23.06.1948., (1, M. Stiprais leg.); **Tukuma distr.**, Kandava, 04.06.1943., (1, M. Stiprais leg.). Without labels 3 individuals.

Tytthaspis Crotch, 1874

Tytthaspis sedecimpunctata (Linnaeus, 1761)

LDM: Rīga distr., Rīga, Čiekurkalns, 20.05.1940., (1, M. Stiprais leg.); Rīga, 20.05.1940., (1, J. Muskars leg.); **Talsu distr.**, Kolka, 19.07.2000., (1, J. Gailis leg.). Without labels 3 individuals.

LUBI: Dobeles distr., Pūteļi, 23.05.1974., (1, V.M. leg.); **Jelgava distr.**, Krasta ciems, 11.06.1974., (1, Z.Sp. leg.); Zaļenieki, 22.07.1973., (2, V.M. leg.), 30.08.1973., (1, V.M. leg.); **Kuldīga distr.**, Priedaine, 26.06.1974., (1, Z.Sp. leg.); **Liepāja distr.**, Pape, 20.08.1991., (1, P. Matozis leg.); **Rīga distr.**, Garupe, 28.08.1974., (1), 28.06.1974., (1, Z.Sp. leg.), 31.05.1974., (1, Z.Sp. leg.), 07.06.1992., (1, M.K. leg.); HES pussala, 06.06.1992., (1); Salaspils, 08.06.1992., (1, M.K. leg.); Salaspils, Botāniskais dārzs, 28.07.1995., (1, Z.Sp. leg.); **Tukuma distr.**, Klapkalnciems, 30.05.1974., (1, Z.Sp. leg.), 05.07.1974., (1); **Ventspils distr.**, Puze, 14.06.1974., (1, V.M. leg.).

Coccinellini Latreille, 1807

Adalia Mulsant, 1850

Adalia bipunctata (Linnaeus, 1758)

LDM: Rīga distr., Asari, 04.09.1938., (1, M. Stiprais leg.); Melluži, 02.09.1929., (1, Bruņinieks leg.), 09.05.1937., (1, Bruņinieks leg.); Rīga, 22.07.1939., (1, M. Stiprais leg.), 09.08.1939., (11, M. Stiprais leg.), 22.07.1939., (1, M. Stiprais leg.), 15.05.1939., (1, M. Stiprais leg.), 31.05.1974., (1, L.

Danka leg.), 30.07.1948., (1, M. Stiprais leg.), 12.03.1949., (1, G. Amoliņš leg.), 12.03.1949., (1, G. Amoliņš leg.); Dārziņi, 20.08.1971., (3, L. Danka leg.); **Saldus distr.**, Reņģe, 26.07.1926., (3, J. Muskars leg.); **Talsu distr.**, Šķēde, 18.05.1953., (1, M. Stiprais leg.). Without labels 27 individuals.

Anatis Mulsant, 1846

Anatis ocellata (Linnaeus, 1758)

LDM: Dobeles distr., Lielaucē "Počas", 20.08.2001., (1, J. Gailis leg.); **Liepājas distr.**, Kazdanga, 05.07.1975., (1, M. Stiprais leg.); **Madonas distr.**, Kalsnava, 21.07.1956., (1, G. Ozols leg.); **Rīga distr.**, Bajāri, 16.05.1979., (1, M. Stiprais leg.); Garciems, 04.06.1939., (2, M. Stiprais leg.); Garupe, 09.06.1977., (2, M. Stiprais leg.); Melluži, 29.07.1938., (7, Bruņinieks leg.), 02.08.1938., (1, Bruņinieks leg.), 02.09.1929., (1, Bruņinieks leg.), 09.05.1937., (1, Bruņinieks leg.); Krievupe, 25.05.1958., (1, G. Ozols leg.); Ķemeri, 21.06.1944., (1, M. Stiprais leg.); Ropaži, 16.05.1962., (1, G. Ozols leg.); **Saldus distr.**, Reņģe, 01.05.1934., (1); **Tukuma distr.**, Kandava, 12.06.1947., (1, M. Stiprais leg.); **Valkas distr.**, Strenči, 17.04.2000., (1, J. Gailis leg.); **Ventspils distr.**, Ventspils, 06.06.1938., (1, M. Stiprais leg.). Without labels 12 individuals.

LUBI: Cēsu distr., Gauja valley, 26.06.1975., (1, V.M. leg.); **Jēkabpils distr.**, Jēkabpils, 17.06.1972., (1, Z.Sp. leg.); **Rīga distr.**, Daugavgrīva, 27.04.1991., (3); Kalngale, 14.05.1975., (1, Z.Sp. leg.); Melluži, 19.05.1992., (2, M.K. leg.); **Ventspils distr.**, Puze, 13.06.1974., (1, V.M. leg.). Without label 1 individual.

Aphidecta J.Weise, 1893

Aphidecta oblitterata (Linnaeus, 1758)

LDM: Rīga distr., Rīga, 21.06.1946., (1, M. Stiprais leg.); **Saldus distr.**, Reņģe, 26.07.1926., (1, J. Muskars leg.).

Calvia Mulsant, 1846

Calvia decemguttata Linnaeus, 1767

LDM: Valkas distr., Strenči, 17.04.2000., (1, J.Gailis leg.).

***Calvia quatuordecimguttata* (Linnaeus, 1758)**

LDM: Cēsu distr., Lodesmuiža, 08.07.2000., (1, J. Gailis leg.); **Jēkabpils distr.**, Jēkabpils, 05.06.1922., (2); **Rīga distr.**, Mangaļi, 1958, (1, G. Ozols leg.); Rīga, 09.08.1939., (1, M. Stiprais leg.), 21.06.1937., (1, J. Muskars leg.), 11.06.1922., (1); **Tukuma distr.**, Kandava, 30.05.1940., (1, M. Stiprais leg.), 04.06.1943., (2, M. Stiprais leg.), 11.06.1941., (1, M. Stiprais leg.); **Ventspils distr.**, Ventspils, 06.06.1938., (1, M. Stiprais leg.). Without labels 6 individuals.

***Coccinella* Linnaeus, 1758**

***Coccinella septempunctata* Linnaeus, 1758**

LDM: Liepāja distr., Kazdanga, 05.07.1975., (1, M. Stiprais leg.); **Rīga distr.**, Asari, 07.06.1938., (1); Bajāri, 16.05.1976., (1, M. Stiprais leg.), 18.10.1975., (1, M. Stiprais leg.), 24.05.1972., (1, M. Stiprais leg.); Baloži, 07.06.1939., (1, M. Stiprais leg.); Baltezers, 31.05.1942., (1); Carnikava, 23.05.1956., (1, G. Ozols leg.); Garciems, 10.05.1965., (7, L. Dankā leg.); Melluži, (2, Bruņinieks leg.), 28.08.1929., (1, Bruņinieks leg.); Krievupe, 25.05.1958., (1, G. Ozols leg.); Dārziņi, 23.07.1971., (2, M. Stiprais leg.), 14.07.1967., (1, L. Dankā leg.); Lustūžkalns, 12.04.2000., (1, J.Gailis leg.); Silciems, 15.05.1938., (1, M. Stiprais leg.); **Tukums distr.**, Kandava, 04.06.1943., (2, M. Stiprais leg.). Without labels 23 individuals.

LUBI: Cēsu distr., Gauja valley, Skaļupe, 28.05.1970., (1, Z.Sp. leg.); Gauja valley, Ziedleju mežs, 06.08.1970., (1, Z.Sp. leg.); Gauja valley, Vējupītes pļava, 05.08.1970., (1, Z.Sp. leg.); **Dobeles distr.**, Pūteļi, 23.05.1974., (1, V.M. leg.); Tērvete, 11.06.1974., (1, V.M. leg.); **Jelgava distr.**, Zaļenieki, 05.07.1973., (1, V.M. leg.); **Ogres distr.**, Ķegums, 17.07.1992., (4, Z.Sp. leg.); Ogre, 16.07.1992., (4, Z.Sp. leg.); **Rīga distr.**, Asari, 02.05.1982., (1, Z.Sp. leg.); Baltezers, 05.07.1992., (1); Kalngale, 14.05.1975., (2, Z.Sp. leg.); Rīga, 02.1992., (1, M.K. leg.); Ropaži, 03.09.1986., (2, A.

Opmanis leg.); Rumbula, 13.07.1992., (4, Z.Sp. leg.); Salaspils, 12.07.1992., (3, Z.Sp. leg.); Salaspils (ezeriņš), 10.06.1997., (1, Z.Sp. leg.); Salaspils Botāniskais dārzs, 01.05.1993., (1, Z.Sp. leg.); Saulkalne, 19.07.1992., (4, Z.Sp. leg.); Sloka, 22.06.1974., (1); **Valmiera distr.**, Mazsalaca, 14.07.1989., (1), 02.10.1989., (1), 20.11.1989., (1), 01.08.1989., (1), 16.05.1989., (1), 26.09.1986., (2); **Ventspils distr.**, Puze, 13.06.1974., (1, V.M. leg.).

***Coccinella quinquepunctata* Linnaeus, 1758**

LDM: Jēkabpils distr., Jēkabpils, 19.08.1922., (1, J. Muskars leg.); **Ludzas distr.**, Ludza, 22.06.1977., (1); **Rīga distr.**, Bajāri, 18.09.1975., (4, M. Stiprais leg.); Baloži, 08.08.1939., (4, M. Stiprais leg.); Baltezers, 31.05.1942., (2, M. Stiprais leg.); Carnikava, 23.05.1956., (1, G. Ozols leg.); Mangaļi, 09.05.1957., (1, G. Ozols leg.); Vecāķi, 13.06.1949., (1, M. Stiprais leg.). Without labels 11 individuals.

LUBI: Cēsu distr., Gauja valley, Krimuldas pļavas, 29.07.1970., (2, Z.Sp. leg.); Gauja valley, Turaidas loks, 26.08.1970., (2, Z.Sp. leg.); **Dobeles distr.**, Pūteļi, 23.05.1974., (1, V.M. leg.); **Jelgava distr.**, Lielupe, 24.07.1973., (1, Z.Sp. leg.); Zaļenieki, 07.06.1973., (1, V.M. leg.); **Limbažu distr.**, Staicele, 16.08.1992., (1, M.K. leg.); **Ogre distr.**, Jumprava, 18.08.1995., (1, Z.Sp. leg.); **Rīga distr.**, Garupe, 19.07.1975., (1, Z.Sp. leg.); Salaspils, Botāniskais dārzs, 05.05.1993., (1, Z.Sp. leg.), 01.05.1993., (1, Z.Sp. leg.); **Ventspils distr.**, Puze, 14.06.1974., (1, V.M. leg.).

***Coccinella hieroglyphica hieroglyphica* Linnaeus, 1758**

LDM: Aizkraukle distr., Koknese, 28.07.1940., (1, L. Dankā leg.); **Gulbene distr.**, Dūre, 29.05.2001., (1, J. Gailis leg.); **Liepāja distr.**, Kazdanga, 09.1971., (1, L. Dankā leg.); **Rīga distr.**, Ķemeri, 30.08.1945., (3, M. Stiprais leg.); **Saldus distr.**, Reņģe, 09.07.1927., (1, J. Muskars leg.), 26.07.1926., (1, J. Muskars leg.); **Tukuma distr.**, Antīnciems, 30.08.1948., (1, M. Stiprais leg.). Without labels 4 individuals.

***Coccinella magnifica* Redtenbacher, 1843**

LDM: Saldus distr., Reņģe, 13.05.1926., (1, J. Muskars leg.). Without label 1 individual.

Hippodamia Chevrolat, 1836

Hippodamia tredecimpunctata Linnaeus, 1758

LDM: Jēkabpils distr., Jēkabpils, 05.06.1922., (1); **Rīga distr.**, Asari, 03.08.1940., (1, M. Stiprais leg.); Carnikava, 03.09.1956., (1, G. Ozols leg.); 23.05.1956., (1, G. Ozols leg.); Garciems, 06.06.1943., (1, M. Stiprais leg.); Melluži, 14.08.1937., (1, Bruņinieks leg.); 23.07.1930., (1, Bruņinieks leg.); Rīga, 18.06.1948., (1, M. Stiprais leg.); 10.06.1922., (4); Silciems, 11.08.1975., (1, M. Stiprais leg.); Vecāķi, 14.06.1942., (1, M. Stiprais leg.); **Saldus distr.**, Reņģe, 25.06.1928., (2, J. Muskars leg.); **Tukuma distr.**, Antiņciems, 03.05.1948., (1, M. Stiprais leg.); **Ventspils distr.**, Ventspils, 07.06.1938., (1, M. Stiprais leg.). Without labels 7 individuals.

LUBI: Aizkraukle distr., Inčupe, 18.07.1975., (1, Z.Sp. leg.); **Cēsu distr.**, Gauja valley, Siguldas ezers, 21.05.1971., (1, Z.Sp. leg.); Līgatne, 29.07.1986., (2, A. Opmanis leg.); **Gulbene distr.**, Velēna, 15.08.1973., (1); **Jelgava distr.**, Zaļenieki, 18.07.1973., (1, V.M. leg.); 06.09.1973., (1, V.M. leg.); **Limbažu distr.**, Staicele, 16.08.1992., (1, M.K. leg.); **Rīga distr.**, Daugavgrīva, 27.04.1991., (4); Doles sala, 11.09.1969., (1, Z.Sp. leg.); Garupe, 19.07.1975., (2, Z.Sp. leg.); 23.05.1974., (1, Varzinska leg.); Ķemeri, 21.09.1991., (1); Lielupes grīva, 24.07.1973., (1, Z.Sp. leg.); Biķernieku strauts, 28.05.1949., (2, Z.Sp. leg.); Vecdaugava, 18.06.1974., (1); **Valmiera distr.**, Mazsalaca, 10.10.1989., (1), 03.10.1989., (1), 15.08.1992., (1), 13.08.1992., (1); **Ventspils distr.**, Puze, 14.06.1974., (1, V.M. leg.).

Hippodamia septemmaculata (De Geer, 1775)

LDM: Ludza distr., Ludza, 29.16.1977., (1); **Rīga distr.**, Asari, 12.05.1957., (1, G. Ozols leg.); Garupe, 02.05.1977., (1); Lielupe, 23.06.1947., (1, M. Stiprais leg.); Vecāķi, 14.06.1942., (1, M. Stiprais leg.); 27.05.1949., (1, M. Stiprais leg.); **Ventspils distr.**, Ovīši, 08.09.1956., (1, G. Ozols leg.). Without label 1 individual.

LUBI: Cēsu distr., Gauja valley, Krimulda, 01.06.1971., (1, Z.Sp. leg.); Gauja valley, Turaidas loks, 26.08.1970., (1, Z.Sp. leg.); Gauja valley, Ziedleju mežs, 06.08.1970., (2, Z.Sp. leg.); Līgatne, 22.07.1987., (2, A. Opmanis leg.); 17.07.1986., (1, A. Opmanis leg.); 23.06.1987., (1, A. Opmanis leg.); 03.06.1987., (1, A. Opmanis leg.); **Limbažu distr.**, Rozēni, 17.08.1992., (2); Staicele, 16.08.1992., (2, M.K. leg.); **Ogre distr.**, Jumprava, 02.08.1983., (1, A. Karps leg.); **Rīga distr.**, Asari, 29.05.1973., (1, Z.Sp. leg.); Čekule, 27.07.1991., (1); Ķemeri, 21.09.1991., (2); Melluži, 19.05.1992., (1); Rumbula, 23.06.1992., (3, Z.Sp. leg.); 13.07.1992., (1, Z.Sp. leg.); 20.08.1992., (1, Z.Sp. leg.); **Sigulda distr.**, Sigulda, 25.07.1991., (1); **Valmiera distr.**, Mazsalaca, 02.10.1989., (2), 16.07.1992., (2, M.K. leg.); **Valka distr.**, Trikāta, 23.06.1992., (1, M.K. leg.).

Hippodamia variegata Goeze, 1777

LDM: Aizkraukle distr., Koknese, 25.08.1943., (1, L. Danka leg.); **Jēkabpils distr.**, Jēkabpils, 08.07.1922., (1); **Rīga distr.**, Rīga, Čiekurkalns, 29.05.1940., (2, M. Stiprais leg.); Rīga, 26.05.1940., (1, M. Stiprais leg.); Vangaži, 22.06.1954., (1, M. Stiprais leg.); Vecāķi, 14.06.1942., (1, M. Stiprais leg.). Without labels 2 individuals.

Myrra Mulsant, 1846

Myrra octodecimguttata (Linnaeus, 1758)

LDM: Bauska distr., Iecava, 24.08.1944., (2, M. Stiprais leg.); **Rīga distr.**, Mangaļi, 09.05.1957., (2, G. Ozols leg.); Melluži, 03.10.1929., (1, Bruņinieks leg.); Rīga, 08.07.1937., (2, J. Muskars leg.); **Tukuma distr.**, Kandava, 09.11.1943., (2, M. Stiprais leg.); 09.11.1941., (1, M. Stiprais leg.); 11.11.1943., (1, M. Stiprais leg.). Without labels 3 individuals.

Myzia Mulsant, 1846

Myzia oblongoguttata oblongoguttata Linnaeus, 1758

LDM: Rīga distr., Jugla, 04.07.1943., (1), Asari, 12.05.1957., (1, G. Ozols leg.); Biķernieku priedes,

25.05.1943., (1, M. Stiprais leg.), 14.03.1943., (1, M. Stiprais leg.); Garciems, 10.05.1965., (1, L. Danka leg.); Melluži, 02.09.1929., (1, Bruņinieks leg.); Mangāļi, 11.05.1956., (1, G. Ozols leg.); Rīga, 22.06.1937., (2, J. Muskars leg.); Ropaži, 15.05.1946., (1), 19.08.1922., (1, G. Ozols leg.); **Talsu distr.**, Roja, 19.05.1944., (1); **Ventspils distr.**, Ventspils, 07.06.1938., (1, M. Stiprais leg.). Without labels 10 individuals.

LUBI: Rīga distr., Asari, 24.04.1968., (1, Z.Sp. leg.), 24.05.1973., (1, Z.Sp. leg.); Daugava, 27.04.1991., (3); Garciems, 11.08.1973., (1, A. Kacina leg.); Kalngale, 19.06.1975., (1, Z. Sp. leg.); Kapi, 18.05.1949., (1); Melluži, 19.05.1992., (1, M. K. leg.); **Valmiera distr.**, Mazsalaca, 10.10.1983., (1); **Ventspils distr.**, Puze, 14.06.1974., (1, V.M. leg.).

Propylea Mulsant, 1846

Propylea quantuordecimpunctata Linnaeus, 1758

LDM: Aizkraukle distr., Koknese, (11, L. Danka leg.); **Daugavpils distr.**, Višķi, 27.05.1987., (1, A. Barševskis leg.); **Jēkabpils distr.**, Jēkabpils, 02.05.1922., (1, J. Muskars leg.), 06.04.1922., (1, J. Muskars leg.); **Krāslava distr.**, Šķeltova, 17.05.1987., (5, A. Barševskis leg.); **Rīga distr.**, Asari, 25.06.1971., (1, M. Stiprais leg.); Mangāļi, 30.05.1956., (1, G. Ozols leg.); Melluži, 05.07.1930., (1, Bruņinieks leg.), 13.06.1936., (1, Bruņinieks leg.), 25.06.1938., (1, Bruņinieks leg.); Rīga, 09.08.1939., (2, M. Stiprais leg.), Rīga (9), Garciems, 02.05.1973., (3, M. Stiprais leg.); Dārziņi, 20.08.1971., (1, L. Danka leg.), 06.06.1971., (3, M. Stiprais leg.); Vaivari, 04.07.1939., (2, M. Stiprais leg.); **Ventspils distr.**, Ventspils, 06.06.1938., (2, M. Stiprais leg.). Without labels 9 individuals.

LUBI: Aizkraukle distr., Inčupe, 18.07.1975., (1, Z.Sp. leg.); **Bauska distr.**, Pilsrundāle, 12.06.1973., (2, V.M. leg.); **Cēsu distr.**, Gauja valley, 18.05.1970., (1, Z.Sp. leg.), 02.07.1974., (1, V.M. leg.), 23.07.1974., (1, V.M. leg.); Gauja valley, Sigulda, 28.07.1970., (1, Z.Sp. leg.); Gauja valley, Saulstari, 04.08.1970., (1, Z.Sp. leg.); Gauja valley, Turaides loks, 26.08.1970., (1, Z.Sp. leg.); Gauja valley, Vecupes, 26.05.1970., (1, Z.Sp. leg.); Gauja

valley, Viķmetes kempings, 21.06.1975., (1, V.M. leg.); Gauja valley, Ziedleja, 06.08.1970., (1, Z.Sp. leg.); Līgatne, 29.07.1986., (1, A. Opmanis leg.), 24.05.1987., (2, A. Opmanis leg.); **Dobele distr.**, Pūteļi, 23.05.1974., (1, V.M. leg.); Tērvete, 11.06.1974., (2, V.M. leg.); **Jelgava distr.**, Svēte, 21.05.1974., (1, V.M. leg.); Zaļenieki, 05.07.1973., (2, V.M. leg.), 07.06.1973., (2, V.M. leg.); **Kuldīga distr.**, Priedaine, 26.06.1974., (1, Z.Sp. leg.); **Limbažu distr.**, Rozēni, 17.08.1992., (1); **Ogre distr.**, Jumprava, 13.09.1995., (1, Z.Sp. leg.), 02.08.1983., (1, A. Karpis leg.); Ķegums, 07.06.1996., (1, Z.Sp. leg.); Ogre, 07.08.1995., (1, Z.Sp. leg.); **Rīga distr.**, Asari, 29.05.1973., (1, Z.Sp. leg.); Garupe, 28.06.1974., (1, Z.Sp. leg.), 19.07.1975., (1, Z.Sp. leg.); Lorupe, 07.05.1968., (1, Z.Sp. leg.); Rīga, 27.05.1973., (1, Z.Sp. leg.), 1991, (1), 1992, (1, M.K. leg.); Rīga, Mārupīte, 09.05.1973., (1, Z.Sp. leg.), 30.05.1973., (2, Z.Sp. leg.), 30.05.1973., (1, Z.Sp. leg.), 01.07.1973., (1, Z.Sp. leg.); Rīga, Torņkalns, 09.06.1973., (1, Z.Sp. leg.); Rumbula, 16.06.1992., (1, Z.Sp. leg.); Salaspils, 27.09.1996., (1, Z.Sp. leg.), 12.06.1997., (1, Z.Sp. leg.), 13.06.1951., (1, Z.Sp. leg.), 15.06.1992., (1, Z.Sp. leg.), 17.05.1993., (1, Z.Sp. leg.); Saulkalne, 13.05.1993., (3, Z.Sp. leg.); Slōka, 22.07.1974., (2), 03.07.1974., (2), 22.06.1974., (1), 13.08.1974., (1); Vecdaugava, 18.06.1974., (2); **Talsu distr.**, Vecvietas, 17.08.1992., (1); **Tukuma distr.**, Pūre, 29.08.1956., (1, Z.Sp. leg.); **Valka distr.**, Trikāta, 30.07.1992., (1, M.K. leg.); **Valmiera distr.**, Mazsalaca, 16.07.1992., (2, M.K. leg.); **Ventspils distr.**, Puze, 13.06.1974., (1, V.M. leg.), 16.06.1974., (1, V.M. leg.). Without labels 3 individuals.

Acknowledgements

The authors are thanking to the Nikolajs Savenkovs, an entomologist from Natural History Museum of Latvia (Riga, Latvia), and Dr. Aina Karpa, an entomologist from Institute of Biology, University of Latvia, for their permission to use the collections and offering support to the realisation of the research.

The research is done in the framework of the European Social Fund project "Support for the implementation of doctoral studies at Daugavpils

Reference

- Barševskis A. 2001. New and rare species of beetles (Insecta: Coleoptera) in the Baltic countries and Byelorussia. *Baltic J. Coleopterol.*, 1 (1-2): 3 - 18.
- Barševskis A., Bičevskis M., Valainis U., Savenkovs N., Cibulskis R., Kalniņš M., Strode N. 2004. Faunistic records of the beetles (Hexapoda: Coleoptera) in Latvia. 1. *Acta Biol. Univ. Daugavp.*, 4(2): 93 – 106
- Barševskis A., Bukejs A., Anichtchenko A. 2008. Faunistic records of the beetles (Hexapoda: Coleoptera) in Latvia. 2. *Acta Biol. Univ. Daugavp.*, 8 (2): 227-258.
- Bejsak-Colorado-Mansfeld V. R. E.M.J.-B. 2004. Abbreviations for Insect Collections of the World. *J. Ent. Res. Soc.* 6(3): 29-77.
- Kovař I. 2007. Coccinellidae, pp. 568 - 631. In: Lobl I., Smetana A. (editors) *Catalogue of Palearctic Coleoptera*. Vol. 4. Stenstrup: Apollo Books, 935 pp.
- Lundberg S. 1995. *Catalogus Coleopterorum Sueciae*. Naturhistoriska Riksmuseet. Entomologiska foreningen, Stockholm: 1 - 224.
- Silfverberg H. 2004. *Enumeratio nova Coleopterorum Fennoscandiae, Daniae & Baltiae*. *Sahlbergia*, 9 (1): 1 – 111.
- Silfverberg H. 1992. *Enumeratio Coleopterorum Fennoscandiae, Daniae et Baltiae*. Helsingin Hyönteisvaihtoyhdistys - Helsingfors Entomologiska Bytesförening: 1 - 94.
- Silfverberg H. 1996. Additions and corrections to *Enumeratio Coleopterorum Fennoscandiae, Daniae et Baltiae*. *Sahlbergia*, 3 (2): 33 - 62