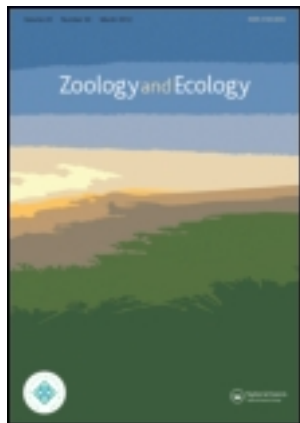


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### New and insufficiently known leaf-beetle species (Coleoptera: Chrysomelidae) of the Lithuanian fauna. 2

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## New and insufficiently known leaf-beetle species (Coleoptera: Chrysomelidae) of the Lithuanian fauna. 2

Andris Bukejs<sup>a,\*</sup>, Vytautas Tamutis<sup>b,c</sup>, Romas Ferencas<sup>b,d</sup> and Vitaly I. Alekseev<sup>e</sup>

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The data on 36 rare and insufficiently known leaf-beetle species in Lithuania are presented. Two species of them, *Bruchidius villosus* (Fabricius, 1792) and *Longitarsus noricus* (Leonardi, 1976), are mentioned for the local fauna for the first time. *Spermophagus sericeus* (Geoffroy, 1785) is removed from the list of Lithuanian Coleoptera. The first actual faunal data on *Crioceris asparagi* (Linnaeus, 1758), *Cassida sanguinolenta* Müller, 1776, *Altica aenescens* Weise, 1888, *Altica brevicollis* Foudras, 1861, *Psylliodes attenuata* (Koch, 1803), *Psylliodes chrysocephala* (Linnaeus, 1758), *Psylliodes napi* (Fabricius, 1792) and *Psylliodes tricolor* Weise, 1888 are presented and confirm the occurrence of these species in Lithuania. The records published in the current paper will complete information about distribution and bionomy of Chrysomelidae s. l. in Lithuania as well as in the whole Eastern Baltic region.

Straipsnyje aprašomos 36 retos ir nepakankamai žinomos Lietuvoje aptinkamos lapgraužių rūšys. Dvi iš jų – *Bruchidius villosus* (Fabricius, 1792) ir *Longitarsus noricus* Leonardi 1976 – šalies faunai yra naujos. Kitos dvi rūšys, *Spermophagus sericeus* (Geoffroy, 1785), išbrauktos iš Lietuvos Coleoptera sąrašo. Pateikiami pirmi faktiniai faunistiniai duomenys apie *Crioceris asparagi* (Linnaeus, 1758), *Cassida sanguinolenta* Müller, 1776, *Altica aenescens*, Weise, 1888, *A. brevicollis* Foudras, 1861, *Psylliodes attenuata* (Koch, 1803), *P. chrysocephala* (Linnaeus 1758), *P. napi* (Fabricius, 1792) ir *P. tricolor* Weise, 1888 ir patvirtinamas šių rūšių buvimas Lietuvoje. Šie duomenys papildys informaciją apie Chrysomelidae s. l. pasiskirstymą ir bionomiją Lietuvoje ir visame Rytų Europos regione.

**Keywords:** Coleoptera; Chrysomelidae; Lithuania; fauna; bionomy; biodiversity; new records

### Introduction

The paper continues a series of publications dealing with the leaf-beetle fauna of Lithuania (Bukejs and Ferencas 2010, 2011; Bukejs, Ferencas, and Tamutis 2011). The aim of the current work is to improve the knowledge of the fauna and bionomy of Chrysomelidae s. l. in Lithuania as well as in the whole Eastern Baltic region with special emphasis given to rare, insufficiently known and protected species and those occurring at the border of their distribution range.

### Material and methods

A total of 402 specimens of Chrysomelidae were reviewed during the current investigations in Lithuania (Table 1). The reviewed material is deposited in the collections of the Kaunas Tadas Ivanauskas Zoological Museum (Kaunas, Lithuania), in the collection of Daugavpils University, Institute of Systematic Biology (DUBC,

Daugavpils, Latvia), and in the private collection of Vitaly I. Alekseev (Chernyakhovsk, Russia).

The following keys were used for the identification of specimens: Anton (1994), Bieńkowski (2004), Čížek and Doguet (2008), Kangas and Rutanen (1993), Lopatin and Nesterova (2005), and Warchałowski (2003).

The orders of higher taxa are arranged after Catalogue of Palaearctic Coleoptera Vol. 6 (Löbl and Smetana 2010); synonymy and nomenclature for species level are used after this catalogue too. Genera and species are listed according to Silfverberg (2010).

### Results

During the current study of the leaf-beetle fauna of Lithuania, the faunal and bionomical data on 36 rare and insufficiently known species are presented. Two species of them, *Bruchidius villosus* (Fabricius, 1792) and *Longitarsus noricus* (Leonardi, 1976), are recorded from Lithuania for the first time (they are marked with an

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Table 1. List of investigated localities.

Localities	Districts <sup>a</sup>	Coordinates
Locality 1	Kaunas	54°52'11"N, 23°54'56"E
Locality 2	Kaunas	54°56'23"N, 23°54'44"E
Agailiai env.	Šiauliai	55°41'22"N, 23°10'34"E
Akademija env.	Kaunas	54°53'38"N, 23°50'17"E
Aleksotas env.	Kaunas	54°52'27"N, 23°53'34"E
Algirdėnai	Švenčionys	54°54'46"N, 25°44'45"E
Antalgė env.	Utena	55°29'30"N, 25°29'17"E
Antanai Reserve	Švenčionys	55°14'11"N, 26°41'48"E
Antanėliai env.	Širvintos	54°55'39"N, 25°03'44"E
Apaščia env.	Rokiškis	56°02'21"N, 25°12'03"E
Bacaičiai env.	Šiauliai	55°55'46"N, 22°56'22"E
Bargailiai f.	Radviliškis	55°32'43"N, 23°29'28"E
Braziūkai env.	Kaunas	54°54'06"N, 23°29'03"E
Bubiai env.	Šiauliai	55°51'48"N, 23°09'02"E
Burūnai env.	Radviliškis	55°31'44"N, 23°34'10"E
Būtingė env.	Palanga	56°03'39"N, 21°04'42"E
Buveiniai env.	Tauragė	55°10'44"N, 22°27'30"E
Čižiūnai env.	Trakai	54°36'20"N, 24°34'18"E
Dauginiai env.	Mažeikiai	56°08'38"N, 22°33'04"E
Dubrava f.	Kaunas	54°45'33"N, 24°04'04"E
Dūkštos f.	Vilnius	54°48'20"N, 25°00'02"E
Dzidai env.	Šiauliai	55°49'46"N, 23°09'32"E
Ežerėlis env.	Kaunas	54°52'45"N, 23°36'41"E
Freda env.	Kaunas	54°52'02"N, 23°55'26"E
Gavaltuva env.	Marijampolė	54°40'12"N, 23°23'42"E
Gerdašiai Ent. Res.	Druskininkai	53°57'31"N, 23°54'31"E
Girininkai env.	Kaunas	54°46'N, 23°57'
Girkalnis env.	Raseiniai	55°19'23"N, 23°12'43"E
Jaskoniškiai f.	Zarasai	55°46'51"N, 25°52'10"E
Jiesia Land. Res. (1)	Kaunas	54°50'53"N, 23°55'55"E
Jiesia Land. Res. (2)	Kaunas	54°48'56"N, 23°54'58"E
Jiesia Land. Res. (3)	Kaunas	54°48'59"N, 23°54'53"E
Jiesia River env.	Kaunas	54°51'N, 23°55'E
Juodkrantė env.	Neringa	55°32'44"N, 21°05'58"E
Jūrė env.	Kazlų Rūda	54°46'45"N, 23°35'43"E
Juškinė f.	Šakiai	55°01'27"N, 23°27'06"E
Kačerginė f.	Kaunas	54°55'12"N, 23°42'50"E
Kaišiadorys env.	Kaišiadorys	54°51'32"N, 24°27'30"E
Kajackaraistis env.	Kazlų Rūda	54°48'19"N, 23°36'55"E
Kamanos St. Nat. Res.	Akmenė	56°16'14"N, 22°39'45"E
Karmazinai	Vilnius	54°49'10"N, 24°55'55"E
Kazlų Rūda env.	Kazlų Rūda	54°44'52"N, 23°29'10"E
Kepuriškis env.	Kupiškis	55°52'27"N, 25°19'02"E
Kruonis env.	Kaišiadorys	54°45'48"N, 24°13'57"E
Lapės env.	Kaunas	54°58'50"N, 24°00'33"E
Miknaičiai env.	Šakiai	54°44'57"N, 23°09'01"E
Miršiškė env.	Šiauliai	55°49'50"N, 23°09'08"E
Monciškės	Palanga	55°59'11"N, 21°04'30"E
Monciškės env.	Palanga	55°00'19"N, 21°04'27"E
Nagliai Nat. Res.	Neringa	55°29'10"N, 21°06'24"E
Narkūnai f.	Kaišiadorys	54°45'39"N, 24°12'32"E
Nemirseta	Klaipėda	55°52'43"N, 21°03'23"E
Netoniai	Kaunas	54°56'25"N, 23°43'25"E
Nevėžis Land. Res. (1)	Kaunas	54°55'35"N, 23°47'28"E
Nevėžis Land. Res. (2)	Kaunas	54°56'46"N, 23°47'16"E
Nevėžis Land. Res. (3)	Kaunas	54°55'55"N, 23°47'43"E
Noreikiškės env.	Kaunas	54°53'05"N, 23°50'08"E
Novaraistis env.	Kazlų Rūda	54°56'27"N, 23°25'19"E
Novaraistis Orn. Res.	Kaunas	54°56'35"N, 23°25'01"E
Paežeriai f. (1)	Šiauliai	55°56'03"N, 22°49'55"E
Paežeriai f. (2)	Šiauliai	55°57'12"N, 22°48'56"E
Paskutiškis env.	Jonava	54°59'52"N, 24°13'46"E
Pasvalys env.	Pasvalys	56°03'47"N, 24°23'56"E

(Continued)

Table 1. (Continued)

Localities	Districts <sup>a</sup>	Coordinates
Pavejuonis env.	Kaunas	55°02'39"N, 23°45'58"E
Pervalka env.	Neringa	55°25'04"N, 21°06'09"E
Punia f.	Alytus	54°32'32"N, 24°04'47"E
Puvočiai env.	Varėna	54°07'09"N, 24°18'17"E
Pypliai env.	Kaunas	54°55'33"N, 23°44'58"E
Ringaudai env.	Kaunas	54°54'10"N, 23°48'06"E
Ringovė Ent. Res.	Kaunas	55°03'02"N, 23°31'19"E
Rupiniai env.	Kaunas	54°56'47"N, 23°36'56"E
Rūsteikiai env.	Akmenė	56°19'54"N, 22°39'24"E
Skaudvilė env.	Tauragė	55°24'05"N, 22°35'52"E
Škėvonys exposure	Birštonas	54°36'17"N, 24°00'11"E
Šlavantai Land. Res.	Lazdijai	54°07'34"N, 23°38'32"E
Slydžiai env.	Šiauliai	55°49'55"N, 23°09'29"E
Smiltynė	Klaipėda	55°41'36"N, 21°06'22"E
Tervydoniai env.	Šakiai	55°01'40"N, 23°26'57"E
Užpelkiai env.	Akmenė	56°10'04"N, 22°39'27"E
Vidzgiris Bot. Res.	Alytus	54°22'51"N, 24°00'33"E
Viešvilė env.	Jurbarkas	55°04'40"N, 22°23'58"E
Viešvilė St. Nat. Res.	Jurbarkas	55°06'13"N, 22°25'18"E
Viešvilė St. Nat. Res.	Tauragė	55°19'23"N, 23°12'43"E
Žalgiriai f.	Šilutė	55°17'19"N, 21°26'46"E
Zarasai env.	Zarasai	55°43'48"N, 26°14'30"E
Žemieji Kaniūkai env.	Kaunas	54°55'38"N, 23°47'28"E
Zervynos env.	Varėna	54°06'42"N, 24°30'13"E
Žuvintas Bio. Res.	Alytus	54°27'N, 23°38'E

Abbreviations: Bio. Res. – Biosphere Reserve, Bot. Res. – Botanical Reserve, Ent. Res. – Entomological Reserve, Land. Res. – Landscape Reserve, Nat. Res. – Nature Reserve, Orn. Res. – Ornithological Reserve, St. Nat. Res. – State Nature Reserve, env. – environs, ex. – specimen, exx – specimens, f. – forest, d. – district.

<sup>a</sup>The name 'district' herein includes all types of administrative units used in Lithuania since 2000 (i.e. municipalities, district municipalities and town municipalities).

asterisk \* in the list). *Spermophagus sericeus* (Geoffroy, 1785) is removed from the list of Lithuanian Coleoptera.

### List of species

Chrysomelidae (Latreille, 1802)

Bruchinae (Latreille, 1802)

*Bruchus rufimanus* (Boheman, 1833)

*Material examined*: Braziūkai env., 9 September 2010 (more than 10 exx, garden, inside the seeds of *Vicia faba* L., leg. V. Tamutis).

*Note*: This worldwide distributed species is often considered a serious pest of broad bean (*V. faba*) in most countries (Biddle and Cattlin 2007; Kryzhanovskij 1974), but it is very local in Lithuania. The first record of the species was registered in 1955 in Vokė env. (Vilnius d.), where these seed beetles significantly decreased the broad bean yield (Zubrys 1967). Also, this species was detected in Kaunas env. (Pileckis 1972). The cause of a new spread of this beetle in Braziūkai env. could be the using of contaminated seeds.

*Bruchus affinis* (Frölich, 1799)

*Material examined*: Rupiniai env., 10 May 2008 (6 exx, in the southern slope, on *Lathyrus sylvestris*, leg. V. Tamutis).

*Note*: Insufficiently known species in Lithuania. Only two records were known before: in Kaunas and Švenčionys districts (Pileckis 1963; Šablevičius 2004).

*Bruchidius marginalis* (Fabricius, 1776)

*Material examined*: Braziūkai env., 15 August 2004 (1 ex., forest edge, leg. V. Tamutis); Noreikiškės env., 10 May 1996 (1 ex., on blooms of winter rape *Brassica napus*, leg. V. Tamutis); Ringaudai env., 15 June 2005 (1 ex., forest edge, leg. V. Tamutis); Ringovė Ent. Res., 20 May 1998 (2 exx, forest edge, leg. V. Tamutis); Rupiniai env., 28 June, 2012 (1, on blooms, southern slope, leg. V. Tamutis). *Note*: In Lithuania the species is distributed locally and sporadically. A few records were known before: in Kaunas, Prienai and Švenčionys districts (Barševskis 2001; Ferenc, Ivinskis, and Meržijevskis 2002; Ferenc, Ivinskis, and Tamutis 2006; Šablevičius 2004).

\**Bruchidius villosus* (Fabricius, 1792)

*Material examined*: Pervalka env., 10 June 2003 (3 exx, the Curonian Gulf shore, dry meadow, on *Cytisus scoparius*, leg. V. Alekseev).

*Note*: New species for the Lithuanian fauna. In Eastern Baltic region, the species is also known from Latvia (Bukejs 2010a) and Kaliningrad Region, western Russia (Alekseev, Bukejs, and Balalaikins 2012).

*Spermophagus calystegiae* (Lukjanovitsh et Ter-Minassian, 1957)

*Material examined*: Kačerginė f., 21 April 2012 (8 exx, southern gravelly slope, feed with pollen on blooms of *Potentilla arenaria*, leg. V. Tamutis); Kruonis env., 6 June 1997 (1 ex., leg. A. Meržijevskis).

*Note:* It is the second locality of the species in Lithuania. The first actual faunal data on this species were published by Bukejs, Ferenca, and Tamutis (2011). The sibling species *S. sericeus* (Geoffroy, 1785) was mentioned for Lithuania by Pileckis and Monsevičius (1997). Voucher material 'Kruonis env., 6 June 1997 (1 ex., leg. A. Meržijevskis)' was re-examined. The report on this species was based on misidentification and concern to *S. calystegiae*. Faunal data on *S. sericeus* from Lithuania are absent; therefore, it is removed from the list of Lithuanian Coleoptera. It is interesting to note that both in the new finding locality and in the one reported before (Bukejs, Ferenca, and Tamutis 2011) *Calystegia* plants were absent but *Convolvulus arvensis*, which was not mentioned as a host plant of *S. calystegiae*, was growing plentifully.

#### Donaciinae (Kirby, 1837)

##### *Macrolea appendiculata* (Panzer, 1794)

*Material examined:* Novaraistis Orn. Res., 1 June 2008 (1 ex., flooded peatland, under water surface on water plants, leg. A. Meržijevskis).

*Note:* Insufficiently known species in Lithuania. Previously a single record of the species was known in Ignalina d. (Pileckis and Monsevičius 1997).

#### Criocerinae (Latreille, 1804)

##### *Crioceris asparagi* (Linnaeus, 1758)

*Material examined:* Braziūkai env., 6 July 2011 (8 exx, on *Asparagus officinalis*, leg. V. Tamutis).

*Note:* A single record of the species in Lithuania was published by Tenenbaum (1931) but this record was doubted later (Pileckis and Monsevičius 1997). It is interesting to note that quite numerous specimens of *C. asparagi* were detected on a singly growing *Asparagus* plant in one local place, despite all efforts to find this species in other places where asparagus were growing singly and abundantly. No specimen of this species was detected on the same plant in the same locality in the summer of 2012. The cause of a new spread of the species in Braziūkai could be the seasonal migration of imago of *C. asparagi* from southern regions of Europe.

#### Cassidinae (Gyllenhal, 1813)

##### *Hypocassida subferruginea* (Schränk, 1776)

*Material examined:* Akademija env., 15 June 1996 (1 ex., meadow, leg. V. Tamutis); Braziūkai env. 15 June 2004 (1 ex., leg. V. Tamutis); Girkalnis env., 26 May 2008 (1 ex., leg. S. Vyšniauskaitė); Puvočiai env., 17 May 2012 (3 exx, dry meadow, on *C. arvensis*, leg. V. Tamutis); Skaudvilė env., 8 June 2012 (2 exx, on *C. arvensis*, leg. V. Tamutis).

*Note:* In Lithuania the species is locally distributed. A few records of this species were known before in Triliškės env. (Kaišiadorys d.) (Stanionis and Petrikas 2011), Kaunas and Vilnius districts (Pileckis and Monsevičius 1997). According to our observation this

species prefers open habitats – dry or moderately dry meadows with *C. arvensis*.

##### *Cassida hemisphaerica* (Herbst, 1799)

*Material examined:* Dubrava f., 24 April 2000 (1 ex., leg. R. Ferenca); Nagliai Nat. Res., 28 April 2006 (1 ex., leg. R. Ferenca).

*Note:* Insufficiently known species in Lithuania. Previously a single record of this species was known in Kaunas env. (Ferenca 2006).

##### *Cassida murrea* (Linnaeus, 1767)

*Material examined:* Agailiai env., 23 July 1999 (1 ex., leg. R. Ferenca); Dzidai env., 9 June 1997 (4 exx, on *Inula salicina*, leg. V. Tamutis); Juodkrantė env., 4 July 2012 (1 dead ex., seashore, on sand, leg. V. Tamutis); Kepuriškis env., 31 May 1996 (3 exx, on *I. salicina*, leg. V. Tamutis); Pavejuonis env., 26 July 1998 (1 ex., leg. R. Ferenca); 27 July 2000 (1 ex., leg. R. Ferenca); Rūsteikiai env., 23 July 1999 (1 ex., leg. R. Ferenca); Šlavantai Land. Res., 14 June 2003 (1 ex., leg. R. Ferenca).

*Note:* In Lithuania the species is locally distributed. Previously a few records of this species were known in Kaunas (Ferenca 2006), Šiauliai, Prienai and Lazdijai districts (Ferenca, Ivinskis, and Meržijevskis 2002).

##### *Cassida pannonica* (Suffrian, 1844)

*Material examined:* Čižiūnai env., 10 June 1999 (1 ex., leg. P. Ivinskis); Kruonis env., 8 June 1997 (1 ex., leg. A. Meržijevskis); Zarasai, 5 August 2011 (1 ex., dry meadow, leg. A. Bukejs, M. Balalaikins); Zervynos env., 19 May 1989 (1 ex., leg. P. Ivinskis).

*Note:* Insufficiently known species in Lithuania. Previously only a single actual record of this species was known in Nemenčinė env. (Vilnius d.) (Pileckis and Monsevičius 1997).

##### *Cassida panzeri* (Weise, 1907)

*Material examined:* Akademija env., 25 May 2006 (1 ex., meadow, leg. V. Tamutis); Antalgė env., 10–17 June 1977 (3 exx, leg. A. Kaulinis); Dauginiai env., 17 May 1991 (1 ex., leg. Vidm. Monsevičius); Jiesia Land. Res. (1), 28 May 1982 (1 ex., leg. R. Ferenca); Jiesia Land. Res. (2), 20 May 1999 (1 ex., leg. R. Ferenca); Kaunas t., locality 2, 18 April 2001 (1 ex., dry meadow, leg. V. Tamutis); Nevėžis Land. Res. (3), 4 July 2006 (1 ex., leg. R. Ferenca); Noreikiškės env., 3 May 2012 (1 ex., meadow, leg. V. Tamutis); Paežeriai f. (1), 16 July 1998 (1 ex., leg. R. Ferenca); Ringaudai env., 14 June 2004 (1 ex., orchard, leg. A. Jastramskaitė).

*Note:* In Lithuania this species is locally distributed. Previously it was known from a few localities in Švenčionys (Šablevičius 2004) and Ignalina districts (Ferenca, Ivinskis, and Meržijevskis 2002). According to our observation this species prefers open habitats – dry or moderately dry meadows.

*Cassida ferruginea* (Goeze, 1777)

*Material examined:* Antanai Reserve, 20 June 2001 (1 ex., leg. R. Ferenc).  
*Note:* Very rare species. It is the second known locality of this species in Lithuania. For the first time, it was recorded in Raseiniai d. (Ferenc, Ivinskis, and Meržijevskis 2002).

*Cassida stigmatica* (Suffrian, 1844)

*Material examined:* Braziūkai env., 15 June 2004 (1 ex., on *Tanacetum vulgare*, leg. V. Tamutis), 11 June 2008 (1 ex., on *Tanacetum vulgare*, leg. V. Tamutis); Monciškės env., 26 June 2010 (1 ex., leg. R. Ferenc); Noreikiškės env., 15 June 2006 (1 ex., on *Tanacetum vulgare*, leg. V. Tamutis).

*Note:* Insufficiently known species in Lithuania. Firstly reported by Monsevičius (1997) from Viešvilė Nat. Res. Recently this species has been recorded in Vievis env. by using pheromone traps baited with *Dendroctonus rufipennis* sex pheromones (Ostrauskas and Ferenc 2010).

*Cassida sanguinosa* (Suffrian, 1844)

*Material examined:* Braziūkai env., 20 May 2007 (1 ex., on *T. vulgare*, leg. V. Tamutis); Būtingė env., 25 May 2005 (1 ex., leg. R. Ferenc); Ežerėlis env., 15 June 2000 (1 ex., leg. R. Ferenc); Juškinė f., 27 May 2007 (1 ex., leg. R. Ferenc); Kaišiadorys t., 27 June 1995 (1 ex., on *Tanacetum vulgare*, leg. V. Tamutis); Noreikiškės env., 3 May 2012 (1 ex., meadow, leg. V. Tamutis); Pervalka, 10 June 1987 (1 ex., leg. R. Ferenc); Ringaudai env., 22 October 2003 (2 exx, orchard, leg. V. Černiauskaitė-Kedienė); Vidzgiris Bot. Res., 5 June 1998 (1 ex., leg. R. Ferenc); Viešvilė env., 20 July 2000 (1 ex., leg. R. Ferenc).

*Note:* Previously this species was recorded from the southern and central part of Lithuania and was considered rare (Pileckis and Monsevičius 1997).

*Cassida sanguinolenta* (Müller, 1776)

*Material examined:* Bubiai env., 18 May 1992 (1 ex., dry meadow, leg. V. Tamutis); Kajačkaraistis env., 22 May 1990 (3 exx, leg. R. Ferenc); Puvočiai env. 17 May 2012 (1 ex., dry meadow, leg. V. Tamutis); Pypliai env., 13 March 2002 (3 exx, leg. V. Tamutis); Slydžiai env. 9 April 2004 (1 ex., dry meadow, leg. V. Tamutis).

*Note:* These records are the first actual data on the distribution of this species in Lithuania. Previous records were based on misidentification of material (Gaidienė 1993; Pileckis 1960; Pileckis and Monsevičius 1997; Tamutis 2003).

*Cassida prasina* (Illiger, 1798)

*Material examined:* Braziūkai env., 6 April 2007 (1 ex., leg. V. Tamutis), 21 April 2007 (1 ex., leg. V. Tamutis), 3 May 2010 (1 ex., on *Alchilea millefolium*, leg. V. Tamutis); Buveiniai env., 14 May 2007 (2 exx, leg. R. Ferenc); Dūkštos f., 7 March 2003 (1 ex., leg. R. Ferenc), 1–16 June 2003 (1 ex., leg. S. Morkūnas); Jiesia Land. Res.

(3), 11 September 1981 (1 ex., leg. R. Ferenc), 26 May 1985 (1 ex., leg. R. Ferenc), 24 May 1992 (1 ex., leg. R. Ferenc); Juškinė f., 27 May 2007 (2 exx, leg. R. Ferenc); Kaišiadorys t., 18 June 1995 (1 ex., leg. V. Tamutis); Novaraistis env., 6 April 2010 (1 ex., roadside, leg. V. Tamutis); Škėvonys exposure, 5 June 2001 (1 ex., leg. R. Ferenc).

*Note:* Insufficiently known species in Lithuania. A single actual record of this species was known before in Noreikiškės env. (Kaunas d.) (Pileckis and Monsevičius 1997). According to our observation, this species sporadically occurs in dry, open habitats on *A. millefolium* and could be more widely distributed in Lithuania.

*Cassida margaritacea* (Schaller, 1783)

*Material examined:* Braziūkai env., 10 February 2008 (1 ex., under plant debris, dry meadow, leg. V. Tamutis); Kaunas t., Žemieji Kaniūkai env., 23 June 2009 (1 ex., leg. R. Ferenc); Nevėžis Land. Res. (1), 23 June 2009 (1 ex., on *Saponaria officinalis*, leg. R. Ferenc); Puvočiai env., 19 May 2012 (1 ex., on *S. officinalis*, leg. V. Tamutis).

*Note:* Rare species in local fauna. It is included in Lithuanian Red Data Book (Rašomavičius 2007). A few actual records of this species were known before: in Vidiškiai env. (Ukmergė d.), Palanga env. and Gerdašiai Ent. Res. (Druskininkai d.) (Ferenc, Ivinskis, and Meržijevskis 2002; Ivinskis, Pakalniškis, and Ferenc 1997; Monsevičius 1988; Rašomavičius 2007). According to our observation the species sporadically occurs in dry open habitats on *S. officinalis*.

*Cassida vittata* (Villers, 1789)

*Material examined:* Braziūkai env., 10 April 2005 (1 ex., garden, leg. V. Tamutis); Jiesia Land. Res. (1), 6 April 1983 (2 exx, leg. R. Ferenc), 25 May 1984 (1 ex., leg. R. Ferenc).

*Note:* Insufficiently known species in Lithuania. Only two localities were noted before (Ferenc, Ivinskis and Tamutis 2006; Stanionis and Petrikas 2011).

## Chrysomelinae (Latreille, 1802)

*Chrysolina (Synerga) herbacea* (Duftschmid, 1825)

*Material examined:* Varėna, Puvočiai env., 17 May 2012 (1 ex., bank of Grūda River, on *Mentha aquatica*, leg. V. Tamutis).

*Note:* Very rare species in Lithuania. Previously it was known from a single locality in Kaunas env. (Bukejs, Ferenc, and Tamutis 2011).

*Chrysolina (Colaphodes) haemoptera* (Linnaeus, 1758)

*Material examined:* Kazlų Rūda env., 1 July 1968 (1 ex., leg. E. Gaidienė); Lapės env., 15 June 1963 (1 ex., leg. S. Pileckis); Smiltynė, 16 August 2002 (1 ex., the Curonian Spit, seashore, on sand, leg. V.I. Alekseev).

*Note:* Rare species in Lithuania. Previously two records of this species were known in Vilnius and Jonava districts (Pileckis 1968; Tenenbaum 1931).

*Chrysolina (Chalcoidea) carnifex* (Fabricius, 1792)

*Material examined:* Smiltynė, 2 August 2002 (1 ex., the Curonian Spit, seashore, on sand, leg. V.I. Aleksejev).

*Note:* Rare species in Lithuania. Previously the species was known only from a few localities in Kaunas d. (Bukejs, Ferenc, and Tamutis 2011; Ferenc 2006).

Alticinae (Newman, 1835)

*Longitarsus jacobaeae* (Waterhouse, 1858)

*Material examined:* Braziūkai env., 24 August 2012 (13 exx, dry meadow, on first-year *Senecio jacobaea*, leg. V. Tamutis); Gerdašiai Ent. Res., 13 July 1999 (4 exx, on *Senecio jacobaea*, dry meadow, leg. R. Ferenc).

*Note:* Insufficiently known species in Lithuania. A few records of this species were known before in Vilnius env. (Kamiński 1936; Mazurova and Mazur 1939).

\**Longitarsus noricus* (Leonardi, 1976)

*Material examined:* Netoniai, 22 May 2002 (1 ex., leg. R. Ferenc).

*Note:* New species for Lithuania. In Eastern Baltic region this species is known from Estonia (Bukejs 2012) and Latvia (Bukejs 2010b); also reported from Belarus (Lopatin and Nesterova 2005).

*Altica aenescens* (Weise, 1888)

*Material examined:* Dubrava f., 20 May 1984 (7 exx, leg. R. Ferenc), 24 July 1997 (1 ex., leg. R. Ferenc), 2 May 1999 (1 ex., leg. R. Ferenc), 9 May 1999 (3 exx, leg. R. Ferenc); Ežerėlis env., 11 June 2002 (1 ex., leg. R. Ferenc); Girininkai env., 4 September 1995 (1 ex., leg. V. Tamutis), 13 September 1997 (1 ex., leg. V. Tamutis); Jaskoniškiai f., 6 May 2004 (1 ex., leg. R. Ferenc); Jūrė env., 29 April 1998 (1 ex., leg. R. Ferenc); Juškinė f., 10 May 1988 (1 ex., leg. R. Ferenc), 30 May 1988 (1 ex., leg. R. Ferenc), 30 April 2000 (1 ex., leg. R. Ferenc), 27 June 2001 (1 ex., leg. R. Ferenc), 10 May 2003 (1 ex., leg. R. Ferenc); Nemirseta, 8 June 2004 (1 ex., leg. P. Ivinskis); Ringovė Ent. Res., 20 May 1998 (1 ex., leg. R. Ferenc); Viešvilė St. Nat. Res., 14 September 2006 (1 ex., bank of Lake Buveiniai, leg. R. Ferenc); Žalgiriai f., 18 June 2002 (2 exx, leg. R. Ferenc); Žuvintas Bio. Res., 27 May 1978 (1 ex., leg. G. Švitra).

*Note:* Till now actual faunal data on this species from Lithuania are absent. For Lithuania the species is listed in several catalogues (Audisio 2012; Döberl 2010; Gruev and Döberl 1997; Pileckis and Monsevičius 1997; Silfverberg 1992, 2004, 2010).

*Altica brevicollis* (Foudras, 1861)

*Material examined:* Algirdėnai, 25 May 2001 (3 exx, leg. R. Ferenc); Jiesia Land. Res. (1), 2 June 2000 (1 ex., leg. R. Ferenc), 26 May 2003 (6 exx, leg. R. Ferenc), 12 June 2005 (1 ex., leg. R. Ferenc), 30 April 2010 (4 exx, leg. R. Ferenc); Jiesia River env., 14 May 1930 (2 exx, leg. A. Palionis); Karmazinai, Neris Regional Park, 27 June 2003 (1 ex., leg. R. Ferenc); Punia f., 10 June 2003 (1 ex., leg. R. Ferenc).

*Note:* Till now actual faunal data on this species from Lithuania are absent. For Lithuania the species is mentioned only in the interactive database 'Fauna Europaea' (Audisio 2012) and in the Catalogue of Palaearctic Coleoptera (Döberl 2010).

*Dibolia depressiuscula* (Letzner, 1847)

*Material examined:* Paskutiškis env., 19 May 2004 (6 exx, on *Lamium album*, leg. V. Tamutis).

*Note:* Rare species in Lithuania. Only a few old records of this species were known before in Vilnius env. (Kamiński 1936; Mazurova and Mazur 1939). These specimens were recorded in the seat feeding on the leaves of *L. album*. On the contrary, only *Ballota nigra* and *Stachys* spp. were mentioned as host plants of this species (Warchałowski 1978); this species was also collected from *Acinos thymoides* and *Galeopsis speciosa* in Latvia (Pūtele 1971).

*Sphaeroderma testaceum* (Fabricius, 1775)

*Material examined:* Aleksotas, 18 June 2012 (5 exx, in lawn, on *Cirsium arvense*, leg. V. Tamutis); Bacaičiai env., 20 July 1977 (1 ex., leg. Vidm. Monsevičius); Bargailiai f., 28 July 1969 (2 exx, leg. A. Jakimavičius), 15 September 1969 (1 ex., leg. A. Jakimavičius); Braziūkai, 14 July 2012 (5 exx, moist habitat, on *Cirsium palustre*, leg. V. Tamutis); Dubravos f., 10 July 1982 (8 exx, leg. R. Ferenc), 6 July 1985 (2 exx, leg. R. Ferenc), 1 May 1990 (1 ex., leg. R. Ferenc); Freda, 25 June 1982 (1 ex., leg. R. Ferenc), 23 March 1983 (1 ex., leg. R. Ferenc); Jiesia Land. Res. (2), 30 July 1986 (1 ex., leg. R. Ferenc); Juodkrantė env., 5 July 2012 (1 ex., seashore, on sand, leg. V. Tamutis); Kamanos St. Nat. Res., 4 August 1980 (2 exx, leg. Vidm. Monsevičius), 20 July 1992 (1 ex., leg. Vidm. Monsevičius), 10 July 2002 (1 ex., leg. Vidm. Monsevičius), 31 July 2002 (1 ex., leg. Vidm. Monsevičius); Kruonis env., 28 June 1998 (1 ex., leg. A. Meržijevskis); Monciškės env., 21 August 2011 (1 ex., leg. R. Ferenc); Ringaudai, 24 July 2012 (2 exx, orchard, on *C. arvense*, leg. V. Tamutis); Slydžiai env., 8 July 2012 (5 exx, moist meadow, on *Cirsium oleraceum*, leg. V. Tamutis); Tervydoniai env., 1 August 2011 (1 ex., leg. R. Ferenc); Užpelkiai env., 13 July 1999 (1 ex., leg. Vidm. Monsevičius); Viešvilė env., 1 August 2000 (1 ex., leg. R. Ferenc); Viešvilė St. Nat. Res., 18 July 2006 (4 exx, leg. R. Ferenc).

*Note:* This common species in Lithuania was also recorded in Ignalina, Plungė, Rokiškis (Šablevičius 2003), Marijampolė (Ivinskis, Meržijevskis, and Rimšaitė 2009), and Kaišiadorys districts (Stanionis and Petrikas 2011), and it seems to be tolerant to urbanistic habitats. Previously, this species was noted as very rare in Lithuania without any actual records (Pileckis and Monsevičius 1997). On the contrary, *S. rubidum* (Gräells, 1858) was classified as more common by these authors. Indeed, *S. rubidum* was reported for the first time for Lithuania by the same authors (Pileckis and Monsevičius 1982). After re-examination of the voucher material collected in

Bacaičiai (Šiauliai d.), misidentification was detected and this specimen was re-identified as *S. testaceum*. Externally these two species are very similar, but distinguishing characters were well described in Bukejs (2009a).

*Sphaeroderma rubidum* (Graëlls, 1858)

*Material examined*: Narkūnai f., 25 July 2007 (5 exx, at the forest edge, caught by net, leg. A. Meržijevskis).

*Note*: This record is the first actual data on distribution of this species in Lithuania. Previous records were based on misidentification of material (Pileckis and Monsevičius 1982, 1997).

*Psylliodes picina* (Marsam, 1802)

*Material examined*: Nevėžis Land. Res. (2), 20–29 May 1998 (2 exx, leg. D. Lukoševičius); Ringovė Ent. Res., 8 June 1990 (1 ex., leg. R. Ferenca).

*Note*: Insufficiently known species in Lithuania. Previously it was known from two localities in Akmenė and Jurbarkas districts (Ferenca, Ivinskis, and Meržijevskis 2002; Monsevičius 1998).

*Psylliodes attenuata* (Koch, 1803)

*Material examined*: Kaunas t. (1), 30 May 2004 (1 ex., in a ruderal place, leg. V. Tamutis).

*Note*: In Lithuania the species is considered as a pest of *Humulus*, *Cannabis* and *Linum* (Pileckis et al. 1994). But this consideration seems more theoretical, because there is no information on harmfulness of this species in Lithuania. At present, we can consider it an insufficiently known species and it is the first actual record of this species in Lithuania.

*Psylliodes chrysocephala* (Linnaeus, 1758)

*Material examined*: Noreikiškės env., 23 April 2002 (1 ex., on winter rape, leg. V. Tamutis).

*Note*: In Lithuania the species is considered as a pest of rape (*B. napus*) (Pileckis et al. 1994). But actually the situation is the same as with *P. attenuata*. There is no information on harmfulness of this species in Lithuania. Furthermore, it is the first actual record of the species since 1936 (Kamiński 1936). This species is very rare in Latvia too (Bukejs 2009b).

*Psylliodes tricolor* (Weise, 1888)

*Material examined*: Braziūkai env., 20 May 2007 (1 ex., field edge, on *Descurainia sophia*, leg. V. Tamutis).

*Note*: It is the first actual record of this species in Lithuania. This species was noted for Klaipėda (formerly Memel) by Bercio and Folwaczny (1979).

*Psylliodes napi* (Fabricius, 1792)

*Material examined*: Burūnai env., 2 August 2000 (1 ex., leg. R. Ferenca); Juodkrantė env., 10 September 2009 (1 ex., on beach, leg. V. Tamutis).

*Note*: Insufficiently known species in Lithuania. It is the first actual record since 1936 (Kamiński 1936). The host plants of this species could be various Brassicaceae, but the most common are *Alliaria officinalis* (Warchałowski 1978) and *Lunaria rediviva* (Bukejs 2009b). The species is widely distributed in Europe, known from northern Africa, Asia Minor, Caucasus, Kazakhstan and Siberia, introduced to North America (Döberl 2010). It should be widely distributed in Lithuania, but faunal data are still lacking to confirm that.

*Psylliodes cuprae* (Koch, 1803)

*Material examined*: Braziūkai env., 9 May 2004 (1 ex., on *D. sophia*, leg. V. Tamutis); Slydžiai env., 9 July 1997 (1 ex., on *D. sophia*, leg. V. Tamutis), 26 May 1998 (1 ex., on *D. sophia*, leg. V. Tamutis).

*Note*: Insufficiently known species in Lithuania. Previously it was known from two localities in Kėdainiai d. (Pileckis 1963) and Kaunas env. (Nadein 2010).

*Psylliodes chalcomera* (Illiger, 1807)

*Material examined*: Antanėliai env., 6 May 2012 (3 exx, on *Cardus crispus*, leg. V. Tamutis); Apaščia env., 31 May 1996 (2 exx, leg. V. Tamutis); Dzidai env., 23 April 2000 (3 exx, leg. V. Tamutis); Gavaluva env., 22 April 2012 (4 exx, Šešupė Riverside, on *C. crispus*, leg. V. Tamutis); Jiesia Land. Res. (1), 28 May 1998 (3 exx, leg. R. Ferenca), 27 May 1999 (2 exx, leg. R. Ferenca), 2 June 2000 (2 exx, leg. R. Ferenca), 14 May 2006 (3 exx, leg. R. Ferenca); Kaunas t. (2), 16 April 2001 (6 exx, on *C. crispus*, leg. V. Tamutis); Miknaičiai env., 9 May 2012 (3 exx, on *C. crispus*, leg. V. Tamutis); Miršiškė env., 10 June 2012 (3 exx, on *C. crispus*, leg. V. Tamutis); Pasvalys t., 2 June 1996 (1 ex., leg. V. Tamutis); Puvočiai env., 15 May 2012 (5 exx, on *C. crispus*, leg. V. Tamutis).

*Note*: One of the most common species of *Psylliodes* in Lithuania. Previously it was considered rare (Pileckis and Monsevičius 1997). Imagos of this species are observed numerously feeding on *C. crispus* from April to June.

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