

**DATA REGARDING THE DIVERSITY OF SCARABAEAOIDEA  
SUPERFAMILY (INSECTA, COLEOPTERA) FROM THE PROTECTED AREA  
JIU-DANUBE CONFLUENCE (ROSPA0023) (I)**

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**Abstract.** The work is a synthesis of the species from ten families: Cetoniidae, Dynastidae, Glaresidae, Hybosoridae, Lucanidae, Melolonthidae, Ochodaeidae, Orphnidae, Rutelidae and Trogidae, the Scarabaeoidea superfamily, signaled during 1954-2017 in this area of Romania. The data comes both from previously published papers and from the observations made by the author. There have been identified 41 species and subspecies, included in 25 genera, 6 subfamilies. In the fauna of this protected area, there have been reported the protected species of Community interest *Lucanus (Lucanus) cervus*, as well as some rare and very rare species: *Protaetia (Cetonischema) aeruginosa*, *Protaetia (Eupotosia) affinis*, *Protaetia (Netocia) ungarica*, *Tropinota squalida*, *Pentodon bidens*, *Glaresis rufa*, *Hybosorus illigeri*, *Monotropus nordmanni*, *Chaetonyx robustus*, etc. The species *Protaetia (Liocola) lugubris* and *Ochodaeus chrysomelooides* are now reported for the first time in the analyzed area.

**Keywords:** diversity, Scarabaeoidea, Jiu-Danube Confluence, rare and very rare species.

**Rezumat. Date privind diversitatea suprafamiliei Scarabaeoidea (Insecta, Coleoptera) din fauna ariei protejate Confluența Jiu-Dunăre (ROSPA0023) (I).** Lucrarea este o sinteză a speciilor din ceze familii: Cetoniidae, Dynastidae, Glaresidae, Hybosoridae, Lucanidae, Melolonthidae, Ochodaeidae, Orphnidae, Rutelidae și Trogidae, suprafamilia Scarabaeoidea, semnalată în perioada anilor 1954-2017 din această zonă a României. Datele provin atât din lucrări de specialitate publicate anterior cât și din observații efectuate de către autoare. Au fost identificate 41 de specii și subspecii, incluse în 25 genuri, 6 sufamilii. În fauna ariei a fost semnalată specia protejată de interes comunitar *Lucanus (Lucanus) cervus*, precum și specii rare și foarte rare: *Protaetia (Cetonischema) aeruginosa*, *Protaetia (Eupotosia) affinis*, *Protaetia (Netocia) ungarica*, *Tropinota (Tropinota) squalida*, *Pentodon bidens*, *Glaresis rufa*, *Hybosorus illigeri*, *Monotropus nordmanni*, *Chaetonyx robustus*, etc. Speciile *Protaetia (Liocola) lugubris* și *Ochodaeus chrysomelooides*, sunt semnalate acum pentru prima dată în zona analizată.

**Cuvinte cheie:** diversitate, scarabaeoide, Confluența Jiu-Dunăre, specii rare și foarte rare.

## INTRODUCTION

The protected area of the Jiu-Danube Confluence (ROSPA0023) is part of the SPA list (Special Areas of Avifaunistic Protection) according to the Government Decision no.1284/2007 regarding the declaration of special protection areas for avifauna. It is an integral part of the European ecological network Natura 2000 in Romania.

The territory has an area of 19,800 ha and is located on both sides of the Lower Jiu, downstream of Craiova, to the confluence of the Jiu and the Danube, being about 50 km long.

The area is valued not only due to the important herds of protected bird species but also to the great diversity of the entomofauna.

The purpose of this paper is to render the stage of knowing the diversity of Scarabeoids in the Jiu-Danube Confluence Area. In the present study, there have been analyzed the families with phytophagous, saprophagous and necrophagous species (Cetoniidae, Dynastidae, Glaresidae, Hybosoridae, Lucanidae, Melolonthidae, Ochodaeidae, Orphnidae, Rutelidae and Trogidae). The families with coprophagous species will be analyzed in another paper.

Since the work is the first of its kind, it can be a reference point for further research on this superfamily.

## MATERIAL AND METHOD

The paper is elaborated both on the basis of data from specialized papers published during 1960-2014 (BOBÎRNAC, 1960, 1974; BOBÎRNAC & SANDA, 1964; BOBÎRNAC & MATEI, 1985; CHIMIŞLIU, 1999, 2000a,b,c, 2001, 2003, 2005; CHIMIŞLIU & MOGOŞEANU, 2011; MATEI & BOBÎRNAC, 1975, 1978; MATEI et al., 1974, 1976, 1997; NEȚOIU & CHIMIŞLIU, 2004) and on the personal observations made in various sites in the protected area Jiu-Danube confluence. The previously published personal results on the Scarabeoids in Oltenia are summarized in the paper published in 2014 (CHIMIŞLIU, 2014).

The personal data from this paper were obtained following the observations made between 2007 and 2017.

The following methods for identifying the species presented in this paper have been used: collecting, direct observation and/or photographing the coleopterans.

To determine the species we used the works: PANIN (1955).

For each species we mentioned: previous entries in the literature (in chronological order of publication of the papers) and personal data.

The collecting/observation sites are presented in alphabetical order and the collection data in the chronological order of the years and months of collecting.

The species are presented in phylogenetic order, according to Fauna Europaea (<http://www.faunaeur.org.>).

## RESULTS

The analyzed material was collected from 21 collecting sites: Bechet, Bratovoeşti, Căciulăteşti, Dăbuleni, Făcăi, Ghindenii, Gura Văii, Lake Victoria, Lişteava, Malu Mare, Mărăşani, Piscu Sadovei, Preajba, Prunet, Rojişte, Sadova, Segarcea, Secui, Tâmbureşti, Zăval.

After processing the material, we identified 41 species, included in 25 genera, six subfamilies, ten families. The distribution of the species in the ten families is shown in Table 1.

Table 1. Taxonomic spectrum of Scarabeoids in the Protected Area Confluence Jiu-Danube.

No	Families	Subfamilies	Tribe	No. of genera	No. of subgenera	No. of species	No. of specimens
1.	Cetoniidae	Cetoniinae	Cetoniini	4	6	10	335
		Valginae		1		1	70
2.	Dynastidae	Dynastinae	Oryctini	1		1	26
			Pentodontini	1		2	
3.	Glaresidae			1		1	
4.	Hybosoridae			1		1	1
5.	Lucanidae			2		2	63
6.	Melolonthidae	Melolonthinae	Melolonthini	3		7	89
			Rhizotrogini	3		3	17
		Sericinae		1		1	12
7.	Ochodaeidae			1		1	3
8.	Orphnidae			1		1	
9.	Rutelidae	Rutelinae	Anisopliini	2		4	
			Anomalini	2		4	110
10.	Trogidae			1		2	
	Total	6	7	25		41	726

### Superfamily SCARABAEOIDEA

#### Family CETONIIDAE

Subfamily CETONIINAE Distant, 1900-1911

Tribe **Cetoniini** Seidlitz, 1875

Genus **Cetonia** Fabricius, 1775

**Cetonia aurata** (Linnaeus, 1761)

**Previous reports:** BOBÎRNAC & SANDA (1964) - Bechet; BOBÎRNAC (1974) - Bechet; CHIMIŞLIU (1999) - Segarcea, Zăval; CHIMIŞLIU & MOGOŞEANU (2011) - Bratovoeşti, Secui, Segarcea.

**Personal data - 30 specs.:** Zăval 9 specs. - April 30, 2010; Secui 1 spec. - July 16, 2011; 1 spec. - May 25, 2013; 1 spec. - June 7, 2014; 1 spec. - April 26, 2015; 1 spec. - April 28, 2015; 10 specs. - April 20, 2016; 6 specs. - April 15, 2017.

Genus **Protaetia** Burmeister, 1842

Subgenus **Cetonischema** Reitter, 1898

**Protaetia (Cetonischema) aeruginosa** (Linnaeus, 1767)

**Previous reports:** BOBÎRNAC & SANDA (1964) - Tâmbureşti; BOBÎRNAC (1974) - Tâmbureşti.

**Personal data - 5 specs.:** Bratovoeşti 1 spec. - June 19, 2015; 3 specs. - June 23, 2015; 1 spec. - July 8, 2015.

Subgenus **Eupotosia** Miksic, 1954

**Protaetia (Eupotosia) affinis** (Andersch, 1797)

**Previous reports:** BOBÎRNAC & SANDA (1964) - Tâmbureşti; BOBÎRNAC (1974) - Tâmbureşti; CHIMIŞLIU & MOGOŞEANU (2011) - Secui.

Subgenus **Liocola** Thomson, 1859

**Protaetia (Liocola) lugubris** (Herbst, 1786)

**Personal data:** Bratovoeşti 1 spec. - June 19, 2015.

Subgenus **Netocia** Costa, 1852

**Protaetia (Netocia) cuprea metallica** (Herbst, 1782)

**Previous reports:** CHIMIŞLIU & MOGOŞEANU (2011) - Bratovoeşti, Segarcea.

**Protaetia (Netocia) cuprea obscura** (Andersch, 1797)

**Previous reports:** CHIMIŞLIU (1999) - Bratovoeşti; CHIMIŞLIU & MOGOŞEANU (2011) - Secui, Segarcea.

**Personal data - 14 specs.:** Bratovoești 4 specs. - July 8, 2015; Dăbuleni 2 specs. - April 30, 2010; Secui 2 specs. - May 24, 2010; 2 specs. - July 10, 2011; 1 spec. - April 15, 2017; Teasc 1 spec. - August 9, 2013; 1 spec. - June 7, 2014; 1 spec. - May 20, 2015.

***Protaetia (Netocia) ungarica*** (Herbst, 1790)

**Previous reports:** CHIMIŞLIU (1999) - Făcăi.

Genus ***Tropinota*** Mulsant, 1842

Subgenus ***Epicometis*** Burmeister, 1842

***Tropinota (Epicometis) hirta*** (Poda, 1761)

**Previous reports:** BOBÎRNAC & SANDA (1964) - Tânărărești; BOBÎRNAC (1974) - Tânărărești; MATEI & BOBÎRNAC (1975) - Tânărărești; MATEI et al. (1975) - Bechet, Dăbuleni, Tânărărești; MATEI & BOBÎRNAC (1976) - Malu Mare, Rojiște, Tânărărești; CHIMIŞLIU (1999) - Bechet, Segarcea, Tânărărești; CHIMIŞLIU & MOGOŞEANU (2011) - Bratovoești, Secui, Segarcea.

**Personal data - 234 specs.:** Secui 25 specs. - April 15, 2010; 15 specs. - May 5, 2010; 4 specs. - April 2, 2011; 8 specs. - April 20, 2011; 13 specs. - June 5, 2011 50 specs. - May 24, 2010; Dăbuleni 12 specs. - April 30, 2010; 1 spec. - April 21, 2012; 7 spec. - April 17, 2013; 11 specs. - May 11, 2013; 1 spec. - May 25, 2013; 4 specs. - April 21, 2014; 2 specs. - May 3, 2014; 2 specs. - May 11, 2014; 4 specs. - May 31, 2014; 8 specs. - June 7, 2014; 2 specs. - June 14, 2014; 28 specs. - April 26, 2015; 1 spec. - April 28, 2015; 8 specs. - May 1, 2015; 1 spec. - May 10, 2015; 1 spec. - April 20, 2016; 26 specs. - April 15, 2017.

Subgenus ***Tropinota*** Mulsant, 1842

***Tropinota (Tropinota) squalida*** (Scopoli, 1783)

**Previous reports:** CHIMIŞLIU & MOGOŞEANU (2011) - Segarcea.

Subtribe Leucocelina

Genus ***Oxythyrea*** Mulsant, 1842

***Oxythyrea funesta*** (Poda, 1761)

**Previous reports:** BOBÎRNAC & SANDA (1964) - Mărșani, Tânărărești; BOBÎRNAC (1974) - Mărșani Tânărărești; MATEI & BOBÎRNAC (1975) - Tânărărești; MATEI et al. (1975) - Bechet, Dăbuleni, Tânărărești; MATEI et al. (1976) - Dăbuleni, Sadova; CHIMIŞLIU (1999) - Bechet; CHIMIŞLIU (2000c) - Secui; CHIMIŞLIU & MOGOŞEANU (2011) - Bratovoești, Secui, Segarcea.

**Personal data - 51 specs.:** Dăbuleni 6 specs. - April 30, 2010; Secui, 10 specs. - May 5, 2010; 2 specs. - May 24, 2010; 1 spec. - July 10, 2011; 1 spec. - May 25, 2013; 11 spec. - May 10, 2015; 2 specs. - March 22, 2016; 2 specs. - April 20, 2016; 16 specs. - April 15, 2017.

Subfamily VALGINAE Mulsant, 1842

Genus ***Valgus*** Scriba, 1790

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

**Previous reports:** BOBÎRNAC & SANDA (1964) - Tânărărești; BOBÎRNAC (1974) - Tânărărești; MATEI & BOBÎRNAC (1975) - Tânărărești; MATEI et al. (1975) - Bechet, Dăbuleni, Tânărărești; CHIMIŞLIU & MOGOŞEANU (2011) - Bratovoești, Gura Văii, Secui; Segarcea.

**Personal data - 70 specs.:** Dăbuleni 20 specs. - April 30, 2010; Secui 1 spec. - May 11, 2013; 1 spec. - May 25, 2013; 2 specs. - April 21, 2014; 1 spec. - April 26, 2015; 14 specs. - April 28, 2015; 2 specs. - May 1, 2015; 1 spec. - May 10, 2015; 12 specs. - April 20, 2016; 16 specs. - April 15, 2017.

#### Family DYNASTIDAE

Subfamily DYNASTINAE Kolbe, 1897

Tribe Oryctini Mulsant, 1842

Genus ***Oryctes*** Illiger, 1798

***Oryctes nasicornis*** (Linnaeus, 1758)

**Previous reports:** BOBÎRNAC & SANDA (1964) - Tânărărești; BOBÎRNAC (1974) - Tânărărești; CHIMIŞLIU (2005) - Bratovoești, Făcăi, Teasc.

**Personal data:** Bratovoești 1 spec. - July 8, 2015; Secui 3 specs. - July 4, 2010; 4 specs. - June 19, 2011; 2 specs. - April 07, 2011; 1 spec. - July 10, 2011; 1 spec. - July 16, 2011; 3 specs. - June 22, 2013; 1 spec. - June 26, 2013; 1 spec. - July 3, 2013; 1 spec. - May 31, 2014; 1 spec. - July, 20, 2014; 2 specs. - June 15, 2017; 3 specs. July 10, 2017.

Tribe Pentodontini Mulsant, 1842

Genus ***Pentodon*** Hope, 1837

***Pentodon bidens bidens*** (Pallas, 1771)

**Previous reports:** CHIMIŞLIU (2005) - Dăbuleni.

*Pentodon idiota* (Herbst, 1789)

**Previous reports:** MATEI et al. (1976) - Bechet, Dăbuleni, Tâmbureşti; MATEI & BOBÎRNAC (1978) - Preajba; CHIMIŞLIU (2005) - Dăbuleni, Segarcea, Zăval.

Family **GLARESIDAE** Semenov & Medvedev, 1932

Genus **Glaresis** Erichson, 1848

*Glaresis rufa* Erichson, 1848

**Previous reports:** CHIMIŞLIU (2003) - Dăbuleni.

Family **HYBOSORIDAE** Erichson, 1847

Genus **Hybosorus** MacLeay, 1819

*Hybosorus illigeri* (Reiche, 1853)

**Previous reports:** PANIN (1957) - Sadova.

**Personal data:** Secui 1 spec.- June 7, 2014.

Family **LUCANIDAE**

Subfamily **LUCANINAE** Latreille, 1804

Genus **Dorcus** MacLeay, 1819

*Dorcus parallelipedus* (Linnaeus, 1785)

**Previous reports:** CHIMIŞLIU (2008) – Bratovoeşti, Tâmbureşti.

**Personal data:** 29 specs.: Bratovoeşti 2 specs. - June 19, 2015; Secui 2 specs. - May 30, 2010; 1 spec. - June 24, 2010; 2 specs.- July 16, 2011; 1 spec. - June 7, 2014; 3 specs.- July 24, 2011; 1 spec.- July 30, 2011; 1 spec. - June 24, 2013; 4 specs. - May 31, 2014; 1 spec. - July 7, 2014; 8 specs. - June 23, 2015; 1 spec. - July 8, 2015; 2 specs. - June 15, 2017.

Genus **Lucanus** Scopoli, 1763

Subgenus **Lucanus** Scopoli, 1763

*Lucanus (Lucanus) cervus* (Linnaeus, 1758)

**Previous reports:** CHIMIŞLIU (2008) - Bratovoesti, Segarcea, Tâmbureşti.

**Personal data - 34 specs.:** Bratovoeşti 14 specs.- June 19, 2015; 6 specs. June 23, 2015; 7 specs. - July 8, 2015; Secui 2 specs.- July 24, 2011; 2 specs. - June 5, 2014; 2 specs. - June 10, 2017; 1 spec. - July 28, 2017.

Family **MELOLONTHIDAE**

Subfamily MELOLONTHINAE Reitter, 1902

Tribe **Melolonthini** MacLeay, 1819

Genus **Anoxia** Laporte de Castelnau, 1833

Subgenus **Anoxia** Laporte de Castelnau, 1833

*Anoxia (Anoxia) pilosa* (Fabricius, 1792)

**Previous reports:** BOBÎRNAC (1960) - Bratovoeşti, Căciulăteşti, Lişteava, Piscu Sadovei, Sadova, Tâmbureşti; BOBÎRNAC & SANDA (1964) - Tâmbureşti; BOBÎRNAC (1974) - Tâmbureşti; BOBÎRNAC & MATEI (1985) - Căciulăteşti, Sadova, Tâmbureşti; MATEI et al. (1997) - Tâmbureşti; CHIMIŞLIU (2000a) - Segarcea; CHIMIŞLIU (2000c) - Ghindeni, Preajba, Prunet, Secui; NETOIU & CHIMIŞLIU 2004 - Sadova, Segarcea.

**Personal data 9 specs.:** Secui 3 specs. - June 17, 2015; 2 specs. - July 2, 2016; 4 specs. - June 24, 2017.

*Anoxia (Anoxia) villosa* (Fabricius, 1781)

**Personal data:** Secui 2 specs. - July 5, 2014.

Subgenus **Protanoxia** Medvedev, 1951

*Anoxia (Protanoxia) orientalis* (Krynický, 1832)

**Previous reports:** BOBÎRNAC (1960) - Dăbuleni, Mărşani, Tâmbureşti; BOBÎRNAC & SANDA (1964) - Tâmbureşti; BOBÎRNAC (1974) - Tâmbureşti; MATEI & BOBÎRNAC (1975) - Tâmbureşti; MATEI & BOBÎRNAC (1978) - Dăbuleni, Sadova, Tâmbureşti.

**Personal data:** Secui 3 specs. - July 10, 2011.

Genus **Melolontha** Fabricius, 1775

*Melolontha hippocastani* Fabricius, 1801

**Previous reports:** BOBÎRNAC (1960) - Dăbuleni, Mărşani, Sadova, Tâmbureşti; BOBÎRNAC & MATEI (1985) - Dăbuleni, Lişteava, Sadova, Tâmbureşti; MATEI et al. (1997) - Tâmbureşti.

***Melolontha melolontha* (Linnaeus, 1758)**

**Previous reports:** BOBÎRNAC (1960) - Segarcea; BOBÎRNAC & SANDA (1964) - Tâmburești; BOBÎRNAC (1974) - Tâmburești; MATEI & BOBÎRNAC (1975) - Tâmburești; MATEI & BOBÎRNAC (1978) - Dăbuleni, Tâmburești.

**Personal data - 59 specs.:** Secui 4 specs. - April 20, 2010; 1 spec. - May 5, 2010; 2 specs. - May 9, 2010; 13 specs. - April 17, 2013; 6 specs. - May 11, 2013; 16 specs. - May 10, 2014; 1 spec. - April 26, 2015; 2 specs. - April 5, 2016; 12 specs. - April 20, 2016; 2 specs. May, 2017.

***Melolontha pectoralis* Megerle, 1812**

**Previous reports:** BOBÎRNAC (1960) - Tâmburești.

Genus ***Polyphylla*** Harris, 1842  
Subgenus ***Polyphylla*** Harris, 1842

***Polyphylla (Polyphylla) fullo* (Linnaeus, 1758)**

**Previous reports:** BOBÎRNAC (1960) - Dăbuleni, Lișteava, Piscu Sadovei, Tâmburești; BOBÎRNAC & SANDA (1964) - Tâmburești; BOBÎRNAC et al. (1972); MATEI & BOBÎRNAC (1975) - Tâmburești; MATEI & BOBÎRNAC (1976) - Dăbuleni, Malu Mare, Tâmburești; BOBÎRNAC & MATEI (1985) - Dăbuleni, Lișteava, Piscu Sadovei, Tâmburești; MATEI et al. (1997) - Tâmburești; CHIMIŞLIU (2000c) - Prunet, Secui; NEȚOIU & CHIMIŞLIU (2004) - Sadova.

**Personal data 16 specs.:** Secui 1 spec. - July 10, 2011; 5 spec. - June 24, 2013; 3 spec. - June 17, 2015; 7 spec. - July 6, 2017.

Tribe **Rhizotrogini**

Genus ***Amphimallon*** Berthold, 1827

***Amphimallon solstitiale* (Linnaeus, 1758)**

**Previous reports:** BOBÎRNAC (1960) - Piscu Sadovei, Tâmburești; BOBÎRNAC & SANDA (1964) - Tâmburești; BOBÎRNAC (1974) - Tâmburești; MATEI et al. (1975) - Bechet, Dăbuleni, Tâmburești; BOBÎRNAC & MATEI (1985) - Piscu Sadovei, Tâmburești; MATEI et al. (1997) - Dăbuleni, Mărșani; CHIMIŞLIU (2000b, 2000c) - Făcăi; NEȚOIU & CHIMIŞLIU (2004) - Segarcea.

**Personal data 17 specs.:** Secui 14 specs. - June 19, 2013; 3 spec. - June 24, 2013.

Genus ***Holochelus*** Reitter, 1889  
Subgenus ***Miltotrogus*** Reitter, 1902

***Holochelus (Miltotrogus) aequinoctialis* (Herbst, 1790)**

**Previous reports:** BOBÎRNAC (1960) - Piscu Sadovei, Tâmburești; MATEI et al. (1975) - Bechet, Dăbuleni, Tâmburești; MATEI & BOBÎRNAC (1978) - Dăbuleni, Malu Mare, Tâmburești.

Genus ***Monotropus*** Erichson, 1848

***Monotropus nordmanni* Blanchard, 1850**

A very rare species in Romania's coleopteran fauna.

**Previous reports:** PANIN (1940) - Sadova.

Subfamily SERICINAE

Genus ***Maladera*** Mulsant & Rey, 1871

Subgenus ***Maladera*** Mulsant & Rey, 1871

***Maladera (Maladera) holosericea* (Scopoli, 1772)**

**Previous reports:** CHIMIŞLIU (2000b) - Secui.

**Personal data 12 specs.:** Secui 1 spec. - October 10, 2010; 3 spec. - April 17, 2013; 2 spec. - May 3, 2014; 5 spec. - May 1, 2015.

Family **OCHODEAEIDAE** Mulsant & Rey, 1871

Genus ***Ochodaeus*** Dejean, 1821

***Ochodaeus chrysomeloides* (Schrank, 1781)**

**Personal data - 3 specs.:** Secui 1 spec. - June 19, 2013; 1 spec. - June 24, 2013; 1 spec. - May 31, 2014.

Family **ORPHNIDAE**

Genus ***Chaetonyx*** Schaum, 1862

***Chaetonyx robustus* Schaum, 1862**

**Previous reports:** CHIMIŞLIU (2003) - Gura Văii.

Family **RUTELIDAE**

Subfamily RUTELINAE (Reitter, 1903)

Tribe **Anisopliini**

Genus **Anisoplia** Schoenherr, 1817

Subgenus **Anisoplia** Schoenherr, 1817

*Anisoplia (Anisoplia) agricola* (Poda, 1761)

**Previous reports:** BOBÎRNAC (1960) - Rojiște, Tânărești; BOBÎRNAC & SANDA (1964) - Tânărești; BOBÎRNAC et al. (1972); BOBÎRNAC (1974) - Tânărești.

*Anisoplia (Anisoplia) deserticola* Fischer von Waldheim, 1824

**Previous reports:** CHIMIŞLIU (2000b) - Dăbuleni; CHIMIŞLIU (2000c) - Ghindeni.

Subgenus **Autanisoplia** Medvedev, 1949

*Anisoplia (Autanisoplia) austriaca* (Herbst, 1783)

**Previous reports:** BOBÎRNAC (1960) - Mărșani, Piscu Sadovei, Segarcea, Tânărești; BOBÎRNAC & SANDA (1964) - Tânărești; BOBÎRNAC (1974) - Tânărești; MATEI & BOBÎRNAC (1976) - Dăbuleni, Sadova; MATEI et al. (1974) - Tânărești; CHIMIŞLIU (2000c) - Secui.

Genus **Chaetopteroplia** Medvedev, 1949

*Anisoplia (Chaetopteroplia) segetum* Herbst, 1783

**Previous reports:** BOBÎRNAC (1960) - Lișteava, Mărșani, Piscu Sadovei, Tânărești; BOBÎRNAC & SANDA (1964) - Tânărești; BOBÎRNAC (1974) - Tânărești; MATEI et al. (1976) - Mărșani, Rojiște, Tânărești; MATEI et al. (1974); CHIMIŞLIU (2000c) - Secui.

*Anisoplia (Anisoplia) lata* Erichson 1847

**Previous reports:** CHIMIŞLIU (2000c) - Ghindeni, Secui.

Tribe **Anomalini**

Genus **Anomala** Schoenherr, 1817

*Anomala dubia* (Scopoli, 1763)

**Previous reports:** BOBÎRNAC (1960) - Dăbuleni, Tânărești; BOBÎRNAC & SANDA (1964) - Bechet, Căciulătești, Lișteava, Sadova, Tânărești; BOBÎRNAC (1974) - Tânărești; MATEI et al. (1975) - Bechet, Dăbuleni, Tânărești; MATEI & BOBÎRNAC (1975) - Tânărești; MATEI & BOBÎRNAC (1978) - Dăbuleni, Tânărești; BOBÎRNAC & MATEI (1985); CHIMIŞLIU (2000b) - Dăbuleni, Prunet; CHIMIŞLIU (2000c) - Ghindeni, Prunet, Secui.

*Anomala errans* (Fabricius, 1775)

**Previous reports:** BOBÎRNAC & SANDA (1964) - Tânărești; CHIMIŞLIU (2000b) - Tânărești.

*Anomala solida* Erichson, 1847

**Semnări anteroioare:** PANIN (1955); BOBÎRNAC (1960) - Bechet, Căciulătești, Lișteava, Piscu Sadovei, Tânărești; BOBÎRNAC & SANDA (1964) - Bechet, Căciulătești, Dăbuleni, Dobresti, Lișteava, Piscu Sadovei, Sadova, Tânărești; BOBÎRNAC (1974) - Bechet, Dăbuleni, Sadova, Tânărești; MATEI et al. (1975) - Bechet, Dăbuleni, Tânărești; MATEI & BOBÎRNAC (1978) - Dăbuleni, Malu Mare, Rojiște, Sadova, Tânărești; MATEI et al. (1997) - Dăbuleni, Mărșani; CHIMIŞLIU (2000b) - Bechet, Dăbuleni, Gura Văii, Lac Victoria; CHIMIŞLIU (2000c) - Făcăi, Preajba, Prunet, Secui; NEȚOIU & CHIMIŞLIU (2004) - Sadova.

**Personal data - 110 specs.:** Bratovoești 2 specs. - June 23, 2015; 7 specs. - July 8, 2015; Secui 3 specs. - June 24, 2010; 2 specs. - July 4, 2011; 2 specs. - July 10, 2011; 14 specs. - June 19, 2013; 22 specs. - June 22, 2013; 20 specs. - June 24, 2013; 10 specs. - July 3, 2013; 1 spec. - June 07, 2014; 6 specs. - July 5, 2014; 3 specs. June 17, 2015; 15 specs. June 26, 2016; 7 specs. - July 6, 2017.

*Anomala vitis* (Fabricius, 1775)

**Previous reports:** BOBÎRNAC (1960) - Lișteava, Tânărești; BOBÎRNAC & SANDA (1964) - Tânărești; BOBÎRNAC (1974) - Tânărești.

Genus **Phyllopertha** Stephens, 1830

*Phyllopertha horticola* (Linnaeus, 1758)

**Previous reports:** MATEI et al. (1974) - Tânărești; MATEI & BOBÎRNAC (1978) - Preajba.

Family **TROGIDAE** Péringuey, 1901Genus **Trox** Fabricius, 1775Subgenus **Trox** Fabricius, 1775**Trox (Trox) hispidus** Pontoppidan, 1763**Previous reports:** CHIMIŞLIU (2003) - Rojiște, Zăval.**Trox (Trox) scaber** (Linnaeus, 1767)**Previous reports:** CHIMIŞLIU (2003) - Dăbuleni, Zăval.**DISCUSSIONS**

The area has been declared protected for the conservation of wild birds due to the special species of wild birds living in this territory, but the physico-geographic conditions have also determined the existence of a great variety of entomofauna.

We mention that although, systematic studies have not been carried out in this area for the knowledge of entomofauna diversity, the data obtained from the analyzed materials in this paper attest to the great diversity of scarabaeoid fauna. Thus, out of the 83 species of the ten analyzed families present in the fauna of Romania, 41 species have been reported up to now in the fauna of the area (Table 2).

The protected species of Community interest *Lucanus (Lucanus) cervus* is present in the area and is quite common.

We now report for the first time in the area two rare species in the fauna of the country: *Protaetia (Liocola) lugubris* and *Ochodaeus chrysomeloides*.

Table 2. Species of scarabaeoids signaled in the protected area Jiu-Danube Confluence, compared to species reported in Romania.

No.	Families	No. of species in Romania	No. of species in the protected area Jiu-Danube confluence
1	Cetoniidae	16	11
2	Dynastidae	4	3
3	Glaresidae	1	1
4	Hybosoridae	1	1
5	Lucanidae	7	2
6	Melolonthidae	27	11
7	Ochodaeidae	3	1
8	Orphnidae	1	1
9	Rutelidae	19	8
10	Trogidae	4	2
<b>Total</b>		<b>83</b>	<b>41</b>

Other rare and very rare species present in the fauna of the Area are: *Protaetia (Cetonischema) aeruginosa*, *Protaetia (Eupotosia) affinis*, *Protaetia (Netocia) ungarica*, *Tropinota (Tropinota) squalida*, *Pentodon bidens bidens*, *Glaresis rufa*, *Hybosorus illigeri*, *Monotropus nordmanni*, *Ochodaeus chrysomeloides*, *Chaetonyx robustus* etc.

**CONCLUSIONS**

Considering the surface of the area compared to the surface of Romania, the identification of about fifty percent of the species of Romania fauna attests the great diversity of scarabaeoidea species in the area

Given the physico-geographical features of the area and the specificity of the climate, surely the diversity of this group of insects is much bigger.

The presence of protected, rare or endangered species increases the scientific value of Oltenia scarabaeoidea fauna.

In order to know the diversity of this group and to reconfirm or invalidate the presence of the species mentioned in the literature, systematic studies are required.

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