

**DIVERSITY OF THE FAUNA OF SCARABAEOIDEA (INSECTA: COLEOPTERA)  
FROM THE „NORDUL GORJULUI” POTENTIAL NATURAL PARK, COUNTY  
GORJ, ROMANIA**

CORNELIA CHIMIȘLIU\*

**ABSTRACT**

CHIMIȘLIU C., 2006 - Diversity of the fauna of Scarabaeoidea (Insecta: Coleoptera) from the „Nordul Gorjului” potential natural park, county Gorj, Romania. *Studii și Comunicări*, Compl. Muz. Șt. Nat. „Ion Borcea” Bacău, vol. 21: 268-273.

The paper contains the species of scarab beetles (Scarabaeoidea) from Oltenia, mentioned in the papers, published (1928–2006) and there are added new data found by the author.

**Key words:** diversity, scarabaeoidea, „Nordul Gorjului”, Natural Park, Gorj, Romania

**Introduction**

In a previous paper, I mentioned the protected species of communitary interest recorded up to the year 2006 in the perimeter of the „Nordul Gorjului” Potential Natural Park (Chimișliu, 2006), this being one of the objectives of the study begun in the year 2005 under the co-ordination of Dr. ing. Cristian D. Stoiculescu, from I.C.A.S., Bucharest, for elaboration of the documentation in view to legalize the constitution of the “Nordul Gorjului” Natural Park. Another objective of the study is the knowledge of the insect fauna in this zone.

As within this study I have also elaborated the list of coleopterans from this perimeter for the first time, I think it is useful to introduce the results obtained in the informational circulation of speciality. In the present paper we present the list of coleopterans belonging to the Superfamily Scarabaeoidea. We mention the fact that the zone presents a big entomofaunistic diversity and was not sufficient enough studied up to present (2007). Thus, the first more ample data on the fauna of Scarabaeoidea from the carstic zone in the north of Oltenia (which also includes a part of the perimeter researched in the present paper), were mentioned in Marcu’s papers (1928, 1929). Sporadic and sometimes indirect data from this zone are also found in the papers of Panin (1955, 1957), who, in some species, mentions, the fact „distributed in the whole Romania”, without other explanations. Starting from the year 1957, the entomofauna of Oltenia has been researched by the

university staff from the Department of Entomology of the Faculty of Agricultural Sciences of the University of Craiova: Bobîrnac B, Matei Iulia, Costescu C., who published the scientific results in numerous entomofaunistic papers, in which there are also mentioned species of scarab beetles.

În anul 1999, Bobîrnac B. et al., elaborated two synthesis papers referring to the fauna of coleopterans from the Subcarpathian zone of Oltenia for the period 1928-1998 (Bobîrnac et al., 1999a) and to the fauna of scarab beetles from the Subcarpathian and mountain zones of Oltenia (Bobîrnac et al., 1999b), in which they synthesized the species previously published.

Starting from the year 1998, the scarab beetles from the Family Scarabaeidae (Panin, 1955, 1957) have been taken into study by the author of the present paper, who has brought up to date the stage of knowledge of this family of coleopterans in the fauna of Oltenia by consulting the bibliographical papers published by other authors and the adding of new data referring to the presence of these coleopterans in Oltenia, by scientific valorification of the data of the scarab beetles from the conserved entomological collections at the Section of Natural Sciences of the Museum of Oltenia, Craiova and of the „Porților de Fier” Museum, Drobeta Turnu Severin and partially, the entomological collection of the Faculty of the Faculty of Agronomical Sciences of the University in Craiova (Chimișliu, 2004a). Data

\* Muzeul Olteniei Craiova-Științele Naturii, Str. Popa Șapca nr. 8 cod 200224, e-mail: chimisliu\_cornelia@yahoo.com

about the species of Scarabaeoidea from the researched perimeter are in the papers published in the period 1999–2006, (Chimişliu 1999, 2000a-2000e, 2001a, 2001b, 2004a, 2004b, 2005a, 2005b, 2006a, 2006b). The present paper may constitute a bibliographical reference in the researches that will be made on this family of coleopterans.

#### Material and methods

The south limit of the “Nordul Gorjului” Potential Natural Park is on the line of the localities Baia de Fier, Novaci, Crasna, Bumbesti Jiu, Runcu, Peştişani, Godineşti, Padeş, Cloşani.

The material of the present paper is represented by the species of Scarabaeoidea mentioned in the consulted bibliographical papers, published in the period of the years 1928-2006. The species recorded by Marcu (1928, 1929) were sum up from the author’s papers, and the species mentioned by (Bobîrnac et al., 1999a, 1999b), I compared them with the data in the papers previously published by authors, adding the

species omitted in those two papers of synthesis, mentioned above.

Nomenclature and the taxonomy of species and the families identified were brought up to date in accordance with the taxonomic system and nomenclature used in the Fauna of Europa (www.faunaeur.org). In the species whose name was changed, there was also mentioned the old name.

#### Results obtained

There were identified 81 species and subspecies, belonging to 8 families of those 15 that are found in Romania’s fauna, in accordance with the taxonomic system of the Fauna of Europa. The best represented is the Family Aphodiidae (20 species), followed by the families : Scarabaeidae, Cetoniidae with 13 species each, Melolonthidae (12 species), Rutelidae (11 species), Geotrupidae (7 species), Lucanidae (3 species) and i Dynastidae (2 species) (Table 1)

**Tab. 1**

The taxonomic, numerical distribution of the species identified in the perimeter of the „Nordul Gorjului” Potential Natural Park

NO.	FAMILY	SUBFAMIY	TRIBE	GENERA	SPECIES
1.	APHODIIDAE	Aphodiinae	-	15	20
		Psammodiinae	-	-	-
2.	CETONIIDAE	Cetoniinae	Cetoniini	4	7
		Trichiinae	Osmodermatini	1	1
			Trichiini	2	4
		Valginae		1	1
3.	DYNASTIDAE	Dynastinae	Oryctini	1	1
			Pentodontini	1	1
4.	GEOTRUPIDAE	BOLBOCERATINAE	-	1	1
		GEOTRUPINAE	-	3	5
		LETHRINAE	-	1	1
5.	LUCANIDAE	-	-	3	3
6.	MELOLONTHIDAE	MELOLONTHINAE	Melolonthini	2	5
			Rhizotrogini	2	4
		SERICINAE	-	1	3
7.	RUTELIDAE	Hopliinae	-	1	2
		Rutelinae	Anisopliini	2	2
			Anomalini	4	7
8.	SCARABAEIDAE	SCARABAEINAE	Coprini	1	1
			Oniticellini	1	1
			Onitini	-	-
			Onthophagini	3	10
			Scarabaeini	1	1
8		14	14	51	81

In comparison with the common species, there were recorded rare and very rare species for the fauna of Romania from this perimeter: *Gnorimus nobilis* (Linnaeus 1758), *Protaetia (Eupotosia) affinis* (Andersch 1797), *Protaetia (Liocola) lugubris*, *Trichius sexualis* Bedel 1906, *Bolboceras armiger* (Scopoli 1772), as well as two protected species of communitary interest.: *Osmoderma*

*eremita* (Scopoli 1763) și *Lucanus cervus* Linnaeus 1758 (Chimişliu, 2006).

In what follows, we present the species identified conformably to the taxonomic and nomenclature system in the Fauna of Europa:

#### Family Aphodiidae

1. *Acrossus depressus* (Kugelan 1792) = *Aphodius (Acrossus) depressus* (Kug. 1792) - Păpuşa (peak)

(Bobîrnac, 1999b, Chimişliu, 2000e), Rânca (Chimişliu, 2001a, 2004b).

2. *Acrossus luridus* (Fabricius 1775) = *Aphodius (Acrossus) luridus* (Fabr. 1775) – distributed in the whole country (Panin, 1957). Păpuşa (Bobîrnac et al., 1999a), Cheile Sohodol, Straja (Chimişliu, 2001a, 2004b).

3. *Acrossus rufipes* (Linnaeus 1758) = *Aphodius (Acrossus) rufipes* (L. 1758) – Rânca (Bobîrnac, 1999b, Chimişliu, 2001a, 2004b).

4. *Agolius abdominalis abdominalis* (Bonelli 1812) = *Aphodius (Agolius) mixtus* Villa 1833 – Parâng (Panin, 1957).

5. *Agrilinus rufus* Moller 1782 = *Aphodius (Bodilus) rufus* Moll. 1782 Straja (Chimişliu, 2001b, 2004b).

6. *Aphodius fimetarius* (Linnaeus 1758) = *Aphodius (Aphodius) fimetarius* L. 1758 – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), distributed in the whole Romania (Panin, 1957), Ch. Sohodol (Bobîrnac et al., 1999a, 1999b), Ch. Sohodol, Straja (Chimişliu, 2001a, 2004b).

7. *Aphodius foetens* (Fabricius 1787) = *Aphodius aestivalis* Steph. 1839–Straja (Chimişliu, 2001b, 2004b).

8. *Bodilus ictericus* Laicharting 1781) = *Aphodius (Bodilus) nitidulus* Fabr. 1792 - Novaci (Chimişliu, 2000a, 2004b).

9. *Bodilus lugens* (Creutzer 1799) = *Aphodius (Bodilus) lugens* Creutz. 1799 – Straja (Chimişliu, 2001b, 2004b).

10. *Chilothorax distinctus* (O. F. Müller 1776) = *Aphodius (Volinus) distinctus* Müll. 1776) – distributed in the whole Romania (Panin, 1957), Poalele Păpuşii – (Bobîrnac, 1962) Parâng (Chimişliu, 2001a).

11. *Colobopterus erraticus* (Linnaeus 1758) = *Aphodius (Colobopterus) erraticus* L. 1758 – Straja (Chimişliu, 2001a, 2004b).

12. *Esymus pusillus* (Herbst 1789) = *Aphodius (Orodalus) pusillus* Hbst. 1789 – distributed in the whole Romania (Panin, 1957), Pietrele-Albe (Chimişliu, 2001b, 2004b).

13. *Euheptaulacus carinatus carinatus* (Germar 1824) = *Heptaulacus carinatus* Drap. 1819 – Oslea (Marcu, 1928, Bobîrnac et al., 1999a)

14. *Euorodalus coenosus* Panzer 1789 = *Aphodius (Orodalus) tristis* Zenk. 1801 - Pietrele-Albe (Chimişliu, 2001b, 2004b).

15. *Melinopterus prodromus* (Brahm 1790) = *Aphodius (Melinopterus) prodromus* Brahm. 1790 – distributed in the whole Romania (Panin, 1957), Straja (Chimişliu, 2001b, 2004b).

16. *Nialus varians* (Duftschmid 1805) = *Aphodius (Nialus) varians* Duft. 1805 - Cloşani (Marcu, 1929, Bobîrnac et al., 1999a), Păpuşa (Bobîrnac, 1999b).

17. *Oromus alpinus* (Scopoli 1763) = *Aphodius (Oromus) alpinus* (Scop. 1763) – Parâng (Panin, 1957), Straja (Chimişliu, 2001a, 2004b).

18. *Otophorus haemorrhoidalis* (Linnaeus 1758) = *A. (Otophorus) haemorrhoidalis* L. 1758 - Piatra Cloşani (Marcu, 1928, Bobîrnac et al., 1999a).

19. *Teuchestes fossor* (Linnaeus 1758) = *Aphodius (Teuchestes) fossor* L. 1758 - Piatra Cloşani (Marcu, 1928, Bobîrnac et al., 1999a), Rânca (Chimişliu, 2000a, 2001a, 2004b).

20. *Volinus sticticus* (Panzer 1798) = *Aphodius (Chilothorax) sticticus* (Panz. 1798) – probably in the whole Romania (Panin, 1957), Pietrele-Albe (Chimişliu, 2001b, 2004b).

#### Family Cetoniidae

21. *Cetonia aurata aurata* (Linnaeus 1761) = *Cetonia aurata aurata* (L. 1761) – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), distributed in the whole Romania (Panin, 1957), Tismana, Ch. Sohodol (Bobîrnac et al., 1999a, 1999b), Baia de Fier, Ch. Sohodol, Pietrele Albe, Tismana (Chimişliu, 1999, 2004b).

22. *Gnorimus nobilis* (Linnaeus 1758) - Piatra Cloşani (Marcu, 1928, Bobîrnac et al., 1999a), Ch. Sohodol, Pietrele Albe (Bobîrnac et al., 1999a, 1999b), Ch. Sohodol, Lainici, Pietrele Albe (Chimişliu, 2002, 2004b).

23. *Osmoderma eremita* (Scopoli 1763) - Tismana (Bobîrnac et al., 1999b), Ch. Sohodol, Tismana (Chimişliu, 2002, 2004b).

24. *Oxythyrea funesta* (Poda 1761) - Piatra Cloşani (Marcu O., 1928, Bobîrnac et al., 1999a), distributed in the whole Romania (S.Panin, 1957), Ch. Sohodol (Bobîrnac et al., 1999b), Bumbestii, Ch. Sohodol, Tismana (Chimişliu, 1999, 2004b).

25. *Protaetia (Cetonischema) aeruginosa aeruginosa* (Linnaeus 1767) = *Cetonischema speciosissima* (Scop. 1768) - Tismana (Marcu, 1928, Bobîrnac et al., 1999a), Pietrele Albe (Chimişliu, 1999, 2004b).

26. *Protaetia (Eupotosia) affinis* (Andersch 1797) = *Eupotosia affinis* (Andersch 1797) - Ch. Sohodol (Chimişliu, 1999, 2004b).

27. *Protaetia (Liocola) lugubris* (Herbst 1786) = *Liocola marmorata* (Fabr. 1792) - Ch. Sohodol (Chimişliu, 1999, 2004b).

28. *Protaetia (Netocia) cuprea obscura* (Andersch 1797) = *Potosia cuprea obscura* (Andersch 1797) – Tismana (Marcu, 1928, Bobîrnac et al., 1999a, Chimişliu, 2000a), distributed in the whole Romania (Panin, 1957), Bumbestii, Cheile Sohodol, Pietrele Albe (Chimişliu, 1999, 2004b).

29. *Trichius fasciatus* (Linnaeus 1758) - Ch. Sohodol, Parâng, Tidvele-Rânca (Bobîrnac et al., 1999a, 1999b), Ch. Sohodol, Novaci, Parâng, Pietrele Albe (Chimişliu, 2002, 2004b).

30. *Trichius sexualis* Bedel 1906 - Ch. Sohodol (Chimişliu, 2002, 2004b).

31. *Trichius zonatus* Germar 1829 – Tismana (Marcu, 1928, Bobîrnac et al., 1999a), Ch. Sohodol (Chimişliu, 2002, 2004b).

32. *Tropinota (Epicometis) hirta* (Poda 1761) = *Tropinota hirta* (Poda, 1761) – Tismana (Marcu, 1928, Bobîrnac et al., 1999a, Chimişliu, 2000a), distributed in the whole Romania (Panin, 1957), Cheile Sohodol (Bobîrnac et al., 1999a, 1999b, Chimişliu, 1999, 2004b).

33. *Valgus hemipterus* (Linnaeus 1758) – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), distributed in the whole Romania (Panin, 1957), Baia de Fier, Cloşani, Tismana (Bobîrnac et al., 1999b), Baia de Fier, Tismana (Chimişliu, 2000a, 2004b).

#### Family Dynastidae

34. *Oryctes (Oryctes) nasicornis* (Linnaeus 1758) *Oryctes nasicornis* L. 1758 – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), distributed in the whole Romania

(Panin, 1957), Păpușa (Bobîrnac et al., 1999b), Tismana (Chimișliu, 2000a), Bumbesti, Ch. Sohodol, Păpușa (Chimișliu, 2004b, 2005a).

35. *Pentodon idiota idiota* Herbst 1789 – distributed in the whole Romania (Panin, 1957), Ch. Sohodol, Novaci (Bobîrnac et al., 1999a, 1999b), Ch. Sohodol, Novaci (Chimișliu, 2004b, 2005a).

#### Family Geotrupidae

36. *Anoplotrupes stercorosus* (Scriba 1791) – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), Tismana, the whole Romania (Marcu, 1929), (Panin, 1955), Novaci, Păpușa, Rânca, Tismana (Bobîrnac et al., 1999b), Rânca, Urdele-Parâng (Chimișliu, 2000a), Baia de Fier, Cheile Sohodolul, Munții Vâlcan, Novaci, Parâng, Pietrele Albe, Rânca, Tismana (Chimișliu, 2000b, 2004b).

37. *Bolboceras armiger* (Scopoli 1772) = *Odontaeus armiger* (Scop. 1772) – Novaci (Chimișliu, 2000b, 2004b).

38. *Geotrupes (Geotrupes) mutator* (Marsham 1802) – the whole Romania (Panin, 1955), Rânca (Bobîrnac et al., 1999b, Chimișliu, 2000a), Ch. Sohodol, Rânca (Chimișliu, 2000b, 2004b).

39. *Geotrupes (Geotrupes) puncticollis* Malinowsky 1811 = *Geotrupes (Geotrupes) spiniger* (Marsh. 1802) – Tismana (Marcu, 1929, Bobîrnac et al., 1999a), the whole Romania (Panin, 1955), Ch. Sohodol (Chimișliu, 2000b, 2004b).

40. *Geotrupes (Geotrupes) stercorarius* (Linnaeus 1758) – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), the whole Romania (Panin, 1955), Novaci, Păpușa (Bobîrnac et al., 1999b), Novaci, Rânca (Chimișliu, 2000a), Ch. Sohodol, Novaci, Rânca (Chimișliu, 2000b, 2004b).

41. *Lethrus (Lethrus) apterus* (Laxmann 1770) – Cloșani (Marcu, 1928, Bobîrnac et al., 1999a).

42. *Trypocopris (Trypocopris) vernalis* (Linnaeus 1758) – Păpușa (vârf) (Bobîrnac et al., 1982), Rânca, Tismana (Bobîrnac et al., 1999b), Tismana (Chimișliu, 2000a), Ch. Sohodol, Păpușa, Rânca (Chimișliu, 2000b, 2004b).

#### Family Lucanidae

43. *Dorcus parallelipedus* (Linnaeus 1758) – everywhere (Marcu, Bobîrnac et al., 1999a), Ch. Sohodol, Novaci (Bobîrnac et al., 1999a), Baia de Fier, Cheile Bistriței, Cheile Galbenului, Novaci, Pietrele Albe, Rânca (Chimișliu, 2006).

44. *Lucanus cervus* Linnaeus 1758 – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), Ch. Sohodol, Novaci (Bobîrnac et al., 1999a), Tismana, Bârsești, Cheile, Bistriței; Ch. Sohodol, Lainici, Pietrele Albe, Tismana (Chimișliu, 2006a).

45. *Sinodendron cylindricum* (Linnaeus 1758) – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), Straja (Chimișliu, 2006b).

#### Family Melolonthidae

46. *Amphimallon (s.str.) altaicum* Mannerheim 1825. – Rânca (Bobîrnac et al., 1999a, 1999b).

47. *Amphimallon assimile* (Herbst 1790) = *Amphimallon (Amphimallon) assimile* (Hbst. 1790) – Pietrele Albe (Chimișliu, 2000c, 2004b).

48. *Amphimallon solstitiale solstitiale* (Linnaeus 1758) *Amphimallon (Amphimallon) solstitialis* (L. 1758) – the whole Romania, with the exception of Dobruja (Panin, 1955), Straja (Chimișliu, 2000c, 2004b).

49. *Anoxia (Protanoxia) orientalis* (Krynicky 1832) *Anoxia (Protanoxia) orientalis* Kryn. 1832 – the region of the Subcarpathian hills (Panin, 1955), Novaci, Rânca (Bobîrnac et al., 1999b), Novaci, Straja (Chimișliu, 2000c).

50. *Anoxia (Anoxia) pilosa* (Fabricius, 1792) – Oltenia (Iunca Jiului) (Panin, 1955).

51. *Anoxia (Anoxia) villosa* (Fabricius 1781) – Novaci (Bobîrnac et al., 1999b, Chimișliu, 2004b).

52. *Holochelus (Miltotrogus) aequinoctialis* (Herbst 1790) = *Miltotrogus aequinoctialis* (Hbst. 1790) – distributed in the whole Romania (Panin, 1957), Bumbesti (Chimișliu, 2000c, 2004b).

53. *Melolontha hippocastani* Fabricius 1801 = *Melolontha (Melolontha) hippocastani* Fabr. 1801 – Cloșani (Marcu, 1928, Bobîrnac et al., 1999a), Baia de Fier (Bobîrnac et al., 1999b, Chimișliu, 2000a, 2000c, 2004b).

54. *Melolontha melolontha* (Linnaeus 1758) – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), in all the zones of Romania (Panin, 1955), Pietrele Albe (Chimișliu, 2000c, 2004b).

55. *Omaloplia (Omaloplia) erythroptera* Frivaldszky 1835 = *Homaloplia erythroptera* Friv. 1835 – Tismana (Chimișliu, 2000a, 2004b, 2004b).

56. *Omaloplia (Omaloplia) ruricola* (Fabricius 1775) = *Homaloplia ruricola* (Fabr. 1775) – Tismana, Cerbu (Bobîrnac et al., 1999a, 1999b).

57. *Omaloplia (Omaloplia) marginata* (Füessly 1775) – Novaci (Bobîrnac et al., 1999a, 1999b, Chimișliu, 2000e), Ch. Sohodol (Chimișliu, 2004b).

#### Family Rutelidae

58. *Anisoplia (Anisoplia) agricola* Poda 1761 – the whole Subcarpathian region (Panin, 1955), Novaci (Chimișliu, 2000d, 2004b).

59. *Anomala dubia* (Scopoli 1763) = *Anomala aenea* Geer 1774 – Tismana (Marcu, 1928, Bobîrnac et al., 1999a), Ch. Sohodol, Tismana (Bobîrnac et al., 1999a, 1999b), Pietrele Albe (Chimișliu, 2000d, 2004b).

60. *Anomala errans* (Fabricius 1775) – Runcu, Tismana (Bobîrnac et al., 1999a).

61. (*Anomala*) *solida* Erichson 1847 – Runcu, Tismana (Bobîrnac, 1974), Pietrele Albe (Chimișliu, 2000d, 2004b).

62. *Anomala vitis* (Fabricius 1775) – Tismana (Marcu, 1928), Cloșani (Marcu, 1929, Bobîrnac et al., 1999a), Runcu, Tismana (Bobîrnac, 1974), Ch. Sohodol (Bobîrnac B. et al., 1999b, Chimișliu, 2000d, 2004b).

63. *Blitopertha lineata* Fabr. – Ch. Sohodol (Bobîrnac et al., 1999b).

64. *Chaetopteroptia segetum* (Herbst, 1783) – Tismana (Chimișliu, 2000d, 2004b).

65. *Hoplia argentea* (Poda 1761) – Piatra Cloșani (Marcu, 1928, Bobîrnac et al., 1999a), Ch. Sohodol (Bobîrnac et al., 1999a, 1999b), Pietrele Albe (Bobîrnac et al., 1999a, Chimișliu, 2004b).

66. *Hoplia praticola* Duftschmid 1805 – Tismana (Marcu, 1929, Bobîrnac et al., 1999a).

67. *Mimela aurata* (Fabricius 1801) – Tismaņa (Marcu, 1928, Bobîrnac et al., 1999a), Ch. Sohodol (Bobîrnac et al., 1999a, 1999b), Rânca, Ch. Sohodol (Chimişliu, 2000d, 2004b).

68. *Phyllopertha horticola* (Linnaeus 1758) – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), Ch. Sohodol, Rânca (Bobîrnac et al., 1982, 1999a, 1999b), Ch. Sohodol, Novci, Pietrele Albe (Chimişliu, 2000d).

#### Family Scarabaeidae

69. *Caccobius schreberi* (Linnaeus 1767) – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), Cerbu-Parâng (Bobîrnac et al., 1999b), (Chimişliu, 2004b).

70. *Copris lunaris* (Linnaeus 1758) – everywhere (Marcu, 1928), Cloşani (Marcu, 1929, Bobîrnac et al., 1999a), Novaci (Bobîrnac et al., 1999b), Ch. Sohodol (Chimişliu, 2000b, 2004b).

71. *Euoniticellus fulvus* (Goeze 1777) – Novaci (Bobîrnac et al., 1999b), Ch. Sohodol, Novaci (Chimişliu, 2000b, 2004b).

72. *Euonthophagus amyntas* (Olivier 1789) = *Onthophagus (Onthophagus) amyntas* (Oliv. 1789) - Cloşani (Marcu, 1929, Bobîrnac et al., 1999a).

73. *Onthophagus (Palaeonthophagus) coenobita* (Herbst 1783) = *Onthophagus coenobita* Hbst. 1783 – the whole Romania (Panin, 1955).

74. *Onthophagus (Palaeonthophagus) fracticornis* (Preyssl. 1790) = *Onthophagus fracticornis* Preyssl. 1790 - pretutindeni (Marcu, 1928, Bobîrnac et al., 1999a), the whole Romania (Panin, 1955).

75. *Onthophagus (Furconthophagus) furcatus* (Fabricius 1781) *Onthophagus (Onthophagus) furcatus* (Fabr. 1781) - Tismaņa (Marcu, 1928, Bobîrnac et al., 1999a), the whole Romania (Panin, 1955), Novaci, Păpuşa - Parâng (Bobîrnac et al., 1999b, Chimişliu 2004b).

76. *Onthophagus (Palaeonthophagus) ovatus* (Linnaeus 1767) *Onthophagus (Onthophagus) ovatus* (L. 1767) – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), the whole Romania (Panin, 1955), Novaci (Bobîrnac et al., 1999b, Chimişliu, 2000a), Tismaņa, Cloşani, Novaci (Chimişliu, 2000b, 2004b).

77. *Onthophagus (Onthophagus) taurus* (Schreber 1759) – everywhere (Marcu, 1928, Bobîrnac et al., 1999a), the whole Romania (Panin, 1955), Novaci (Bobîrnac et al., 1999b, Chimişliu Cornelia, 2000a), Ch. Sohodol, Pietrele Albe (Chimişliu, 2000b, 2004b).

78. *Onthophagus (Palaeonthophagus) vacca* (Linnaeus 1767) – the whole Romania (Panin, 1955), Novaci (Bobîrnac et al., 1999b, Chimişliu, 2000a, 2000b, 2004b).

79. *Onthophagus (Palaeonthophagus) verticicornis* (Laicharting 1781) - the whole Romania (Panin, 1955), Ch. Sohodol (Bobîrnac et al., 1999b), Ch. Sohodol, Pietrele Albe (Chimişliu, 2000b, 2004b).

80. *Onthophagus (Palaeonthophagus) vitulus* (Fabricius 1776) = *Onthophagus camelus* Fabr. 1787 - everywhere (Marcu, 1928, Bobîrnac et al., 1999a), Tismaņa, Cloşani (Chimişliu, 2000b, 2004b).

81. *Sisyphus schaefferi* (Linnaeus 1758) - Baia de Fier, Novaci (Bobîrnac B. et al., 1999b, Chimişliu Cornelia, 2000b, 2004b).

#### Discussions

Those 81 species identified in the published papers and consulted, represents nearly 50% of those 166 species belonging to the Superfamily Scarabaeoidea known up to present in the fauna of Oltenia (Chimişliu, 2004a, 2006).

In the period of the years 1957-1998 there were recorded 68 species, of which 36 were mentioned by Marcu (1928, 1929).

The majority of the species were found again in this perimeter by other authors. The species: *Hoplia praticola* Duftschmid 1805, *Euonthophagus amyntas* (Olivier 1789), *Onthophagus (Palaeonthophagus) fracticornis* (Preyssl. 1790) and *Lethrus (Lethrus) apterus* (Laxmann 1770) have not been afterwards mentioned, the same as the *Anoxia (Anoxia) pilosa* (Fabricius, 1792) and *Onthophagus (Palaeonthophagus) coenobita* (Herbst 1783), mentioned by Panin (1955, 1957).

The causes that the above mentioned species have not been found again may be the insufficient research of the zone, or the decrease of the individuals of the species, or even the possible disappearance of the species in the zone.

In the period of the years 1999-2006, the author of this paper has found 67 species, of which 54 species were found previously, and 13 species have been recorded new to the researched zone.

I consider that the number of species mentioned up to the year 2006, does not reflect the real situation in this territory on the contrary, a study of this perimeter would increase not only the number of the identified species, but would also discover the species from other families of Scarabaeoidea.

#### Rezumat

Lucrarea sintetizează speciile scarabeiodee menţionate în literatura de specialitate consultată, publicată în perioada anilor 1928-2006, din perimetrul potenţialului Parc Natural „Nordul Gorjului”. Au fost identificate 81 de specii din care 68 de specii semnalate în perioada anilor 1928-1998 de către Marcu (1928, 1929) şi Bobîrnac (1962, 1974) şi Bobîrnac et al. (1999a, 1999b). Majoritatea au fost regăsite în acest perimetru de alţi autori. Speciile: *Hoplia praticola* Duft. 1805, *Euonthophagus amyntas* (Oliv. 1789), *Onthophagus (Palaeonthophagus) fracticornis* (Preyssl. 1790) şi *Lethrus (Lethrus) apterus* (Laxm. 1770) nu au mai fost menţionate ulterior, la fel şi speciile *Anoxia (Anoxia) pilosa* (Fabr., 1792) şi *Onthophagus (Palaeonthophagus) coenobita* (Hbst 1783), menţionate de Panin (1955, 1957). Cauzele necitării ulterioare a speciilor menţionate mai sus, sunt cercetarea insuficientă a zonei, sau micşorarea efectivului indivizilor speciilor sau chiar posibilă dispariţie a speciilor din zonă.

În perioada 1999-2006 au fost menţionate 67 de specii de către Chimişliu (1999, 2000a-2000e, 2001a, 2001b, 2004a, 2004b, 2005a, 2005b, 2006a,

2006b), din care 54 specii fost resemnalări, iar 13 specii au fost semnalări noi pentru zona abordată.

Sunt prezente și specii rare și foarte rare în fauna țării, precum și două specii protejate de interes comunitar: *Osmoderma eremita* (Scopoli 1763) și *Lucanus cervus* Linnaeus 1758 (Chimișliu, 2006).

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