

**THE LIST OF STAPHYLINIDS
(COLEOPTERA, STAPHYLINIDAE, STAPHYLININAE)
FROM THE REPUBLIC OF MOLDOVA (F: part 3)**

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Abstract. The list of Staphylininae subfamily species in this paper, approached by detailing aspects related to the examined and collected materials from various biotopes, geographical distribution, bioecology and specimens number, includes 31 species belonging to 11 genera: *Ontholestes* Ganglbauer, 1895, *Platydracus* Thomson, 1858, *Staphylinus* Linnaeus, 1758, *Tasgius* Stephens, 1829, *Gauropterus* Thomson, 1860, *Gyrohypnus* Leach, 1819, *Leptacinus* Erichson, 1839, *Megalinus* Mulsant & Rey, 1877, *Phacophallus* Coiffait, 1956, *Stenistoderus* Jacquelin du Val, 1856, *Xantholinus* Dejean, 1821. The structure of this paper emphasizes the potential for expansion of these 31 rove beetles species on the territory of the Republic of Moldova, and is a continuation of the initial planning and approach of 59 species in the first part and 39 species in the second part of Chapter F. In the context of the presentation of the faunal analysis, the researches applied in time were concentrated through the study and exploitation of 68 points in the Republic of Moldova (10 collection points were researched in the north, 8 points in the south and 50 points in the central part of the country).

Keywords: faunal annotations, Staphylinidae family, Staphylininae subfamily, Republic of Moldova.

Rezumat. Lista adnotată a stafilinidelor (Coleoptera, Staphylinidae, Staphylininae) din Republica Moldova (F: partea 3). În lucrarea dată se prezintă lista speciilor de stafilinide din subfamilia Staphylininae cu abordarea aspectelor referitoare la materialele examinate și colectate din diferite biotopuri, distribuție geografică, bioecologie și numărul de specimene, pentru 31 de specii aparținând a 11 genuri: *Ontholestes* Ganglbauer, 1895, *Platydracus* Thomson, 1858, *Staphylinus* Linnaeus, 1758, *Tasgius* Stephens, 1829, *Gauropterus* Thomson, 1860, *Gyrohypnus* Leach, 1819, *Leptacinus* Erichson, 1839, *Megalinus* Mulsant & Rey, 1877, *Phacophallus* Coiffait, 1956, *Stenistoderus* Jacquelin du Val, 1821. Structura acestei lucrări subliniază potențialul de extindere a acestor 31 de specii de stafilinide pe teritoriul Republicii Moldova, fiind ultimul în număr, este o continuare a planificării inițiale și abordării a 59 de specii în prima parte și 39 specii în a doua parte a capitolului F. În contextul expunerii analizei faunistice, cercetările aplicate în timp, au fost concentrate prin studiul și exploatarea a 68 puncte din Republica Moldova (în regiunea de nord - s-au cercetat 10 puncte, în partea de sud - 8 puncte și în partea de centru a țării - 50 puncte).

Cuvinte cheie: adnotări faunistice, familia Staphylinidae, subfamilia Staphylininae, Republica Moldova.

INTRODUCTION

The presence of rove beetle species (Coleoptera, Staphylinidae) researched and recorded over the time on the territory of the Republic of Moldova includes multiannual data based on:

- i) certain synecological analyses are drawn up to establish the value and role of each representative in relation to the biotope and other species of the research group;
- ii) classification and categorization according to certain characteristics can be established;
- iii) drawing up records regarding the preferences of staphylinides for a certain ecosystem that are influenced by environmental factors. In this sense, we continue with the faunal approach by drawing up a list that includes the part of material consisting of 31 species of the subfam. Staphylininae, to be reproduced in terms of: previous citations, material examined, material collected, geographical spread, bioecology, total number of specimens.

MATERIALS AND METHODS OF RESEARCH

Materials applied for the study and storage of the entomological material included: magnifier, plastic containers, Eppendorf test tubes, Petri dishes, polyethylene bags, tools for applying shaking (rake, cloth, plastic jars), specialized literature.

The methods applied in collecting the entomological material were: Barber traps, flotation method, shaking on canvas, light trap with ordinary and ultraviolet light.

The researches applied in time were concentrated through the study and exploitation of 68 collection points in the Republic of Moldova, 10 points were researched in the northern region, 8 in the southern part and 50 points in the central part of the country.

RESULTS AND DISCUSSIONS

The material presented in this paper is the continuation of the faunal study of the representatives of the Staphylinidae family, the subfamily Staphylininae after the last two papers published on the same topic in 2020

(MIHAILOV (2020 a), MIHAILOV (2020 b). The material is structured in two lists: in the first - the faunal study for 59 species of 9 genera was approached, and in the second one - 39 species from 9 genera.

Thus, the current paper is the last one in the planned count for the approach of the faunal theme and lists the discussion of the research on 31 species, classified in 11 genera: *Ontholestes* Ganglbauer, 1895; *Platydracus* Thomson, 1858; *Staphylinus* Linnaeus, 1758; *Tasgius* Stephens, 1829; *Gauropterus* Thomson, 1860; *Gyrophynus* Leach, 1819; *Leptacinus* Erichson, 1839; *Megalinus* Mulsant & Rey, 1877; *Phacophallus* Coiffait, 1956; *Stenistoderus* Jacquelin du Val, 1856 and *Xantholinus* Dejean, 1821.

Further we provide the list of Staphylininae beetles by exposing the genera and the 31 species that complete the faunal study for the respective subfamily.

SUBFAMILY STAPHYLININAE Latreille, 1802

Genera *ONTHOLESTES* Ganglbauer, 1895

1. *Ontholestes haroldi* (Eppelsheim, 1884)

Previous citations: STAN & BACAL (2006)

Examined material: Calfa, Anenii Noi District, 07.02.1962 - 2 ♀♀ cattle manure; Vadul-lui-Vodă city, 21.05.1968 - 3 ♀♀ on decaying stump; Ciorești, Nisporeni District, 06.06.1968 - 1 ♀ cattle manure; Dubăsarii Vechi, Criuleni District, 19.06.1968 - 1 ♀ litter; Lozova, Strășeni District, 21.05.1979 - 1 ♀ litter; Chișinău city, 12.07.1992 - 6 ♀♀ on decaying plants (collected by Ostaficiuc V.); Ivancea, Orhei District, 18.05.1980 - 1 ♂ litter (collected Stepanov R.); Hănășeni, Leova District, 27.07.2004 - 1 ♂ mixture of conifers; Cociulia, Cantemir District, 05.08.2005 - 1 ♂ on oak; Leuntea, Căușeni District, 26.06.2009 - 1 ♂ litter (collected by Bacal S.).

Collected material: Lunca, Dubăsari District, 31.05.2009 - 2 ♂♂ grassland, cattle manure; Brîzeni, Edineț District 01.06.2010 - 4 ♂♂ forest, Barber traps; Lozova, Strășeni District, 21.06.2011 - 5 ♂♂, 06.07.2011 - 1 ♂ reserve, forest, Barber traps (collected by Mihailov I.).

Geographical spread: European element.

Bioecology: a nidicole, coprobiont, predator, necrophagous species.

Total specimens: 30 (16♂♂, 14♀♀).

2. *Ontholestes murinus* (Linnaeus, 1758)

Previous citations: NEKULISYANU (1984), YATSENTKOVSKIY (1912).

Examined material: Lăpușna, Cotovsc District (current Hîncești District), 16.08.1968 - 1 ♂ litter (collected by Neculiseanu Z.), 22.05.1968 - 1♂ cattle manure, 05.07.1980 - 1♂ on decaying plants; Scoreni, Strășeni District, 09.10.1968 - 1 ♀ on tomato; Rezina city, 26.07.1969 - 1 ♂ cattle manure; Lozova, Strășeni District, 20.07.1974 - 1 ♂, 21.05.1979 - 4 ♂♂ litter; Tiraspol city, 21.07.1974 - 1 ♀ litter; Butuceni, Orhei District, 04.07.1981 - 1 ♂ on decaying plants; Durlești, Chișinău municipality, 12.04.1983 - 10 ♂♂ litter; Slobozia, Ștefan-Vodă District, 15.05.1984 - 1 ♀ forest strip; Ivancea, Orhei District, 06.08.1981 - 1 ♂ litter (collected Ostaficiuc V.), 13.07.1984 - 1 ♂ litter (collected by Stepanov R.); Parcovă, Edineț District, 28.04.1960 - 1 ♂ forest strip (collected Plugaru S.); Chișinău city, 10.04.2008 - 1 ♂ dog corpse, 20.04.2005 - 1 ♂ cattle manure (collected Ciubcic V.).

Collected material: Molovata Noua, 26.06.2008 - 6 ♀♀ grassland, cattle manure; Cocieri, 28.06.2009 - 2 ♀♀ grassland, cattle manure; Vasilevca, 30.05.2009 - 1 ♀ cattle manure; Lunca (Dubăsari District), 31.05.2009 - 2 ♀♀ cattle manure; Brînzani, 14.08.2008 - 1 ♂, 24.08.2008 - 1 ♂, 03.09.2008 - 3 ♂♂, 13.09.2008 - 2 ♂♂, 21.07.2010 - 3 ♂♂, 20.08.2010 - 2 ♂♂, 30.08.2010 - 2 ♀♀ forest, Barber soil traps; Zăbriceni (Edineț District), 21.07.2010 - 4 (1 ♂, 3 ♀♀) forest, Barber soil traps; Lozova, Strășeni District, 21.06.2011 - 34 (17 ♂♂, 7 ♀♀), 06.07.2001 - 5 ♂♂ reserve, forest, Barber soil traps; Chițcani, Slobozia District, 01.07.2011 - 2 (1 ♂, 1 ♀) forest strip; Balatina, Glodeni District, 24.07.2011 - 27 (5 ♂♂, 22 ♀♀) grassland, cattle manure (collected by Mihailov I.).

Geographical spread: Palaearctic element.

Bioecology: it is a bivoltine species. Hibernated first and second generation adults; a nidicole, coprobiont, predator, necrophagous species.

Total specimens: 115 (66♂♂, 49♀♀).

3. *Ontholestes tessellatus* (Geoffroy, 1785)

Previous citations: NEKULISYANU (1984).

Examined material: Cociulia, Cantemir District, 24.06.2004 - 1 ♂ mixture of conifers (collected Bacal S.).

Collected material: Țipova, Rezina District, 28.08.2010 - 1 ♂ canyon, horses manure; Lozova, Strășeni District, 21.06.2011 - 1 ♀ reserve, forest, Barber soil traps (collected Mihailov I.).

Geographical spread: Palaearctic element.

Bioecology: a micetobiont, nidicole, coprobiont, predator, necrophagous species.

Total specimens: 3 (2♂♂, 1♀).

Genera *PLATYDRACUS* Thomson, 1858

4. *Platydracus chalcocephalus* (Fabricius, 1801)

Previous citations: YATSENTKOVSKIY (1912).

Examined material: Lozova, Strășeni District, 15.05.1974 - 1 ♂, 27.06.1974 - 4 ♂♂, 17.07.1974 - 1 ♂ litter (collected by Ostaficiuc V.); Ivancea, Strășeni District, 14.05.1958 - 1 ♂ forest (collected by Plugaru S.); Vatici, Orhei District, 11.05.1979 - 1 ♂ litter (collected by Stepanov R.).

Collected material: Lozova, Strășeni District, 21.06.2011 - 31 (17 ♂♂, 14 ♀♀), 06.07.2011 - 5 ♀♀ hornbeam forest with a mixture of oak and ash, Barber soil traps (collected by Mihailov I.).

Geographical spread: European element.

Bioecology: a micetobiont, nidicole, coprobiont, predator, necrophagous species.

Total specimens: 44 (25 ♂♂, 19 ♀♀).

5. *Platydracus fulvipes* (Scopoli, 1763)

Previous citations: STAN & BACAL (2006), NEKULISYANU (1984).

Examined material: Codrii Tigheci, 31.05.2005 - 1 ♂ litter (collected by Bacal S.).

Collected material: Brînzani, 01.06.2010 - 1 ♂ forest, Barber soil traps; Zăbriceni (Edineț District), 01.06.2010 - 1 ♂ forest, Barber soil traps; Lozova, Strășeni District, 21.06.2011 - 5 ♀♀ reserve, forest, Barber soil traps (collected by Mihailov I.).

Geographical spread: Palaearctic element.

Bioecology: a nidicole, coprobiont, predator, necrophagous species.

Total specimens: 8 (3 ♂♂, 5 ♀♀).

6. *Platydracus latebricola* (Gravenhorst, 1806)

Previous citations: ADASKEVICHI (1972).

Examined material: Trebujeni, Orhei District, 21.05.2008 - 1 ♂ litter (collected by Bacal S.).

Collected material: Lozova, Strășeni District, 21.06.2011 - 25 (5 ♂♂, 20 ♀♀) reserve, forest, Barber soil traps (collected Mihailov I.).

Geographical spread: Euro-Siberian element.

Bioecology: a nidicole, coprobiont, predator, necrophagous species.

Total specimens: 26 (6 ♂♂, 20 ♀♀).

7. *Platydracus stercorarius* (Olivier, 1794)

Previous citations: NEKULISYANU (1984).

Examined material: Calfa, Anenii Noi District, 07.09.1969 - 1 ♀ cattle manure (collected by Ostaficiuc V.); Chetrosu, Chișinău municipality, 17.07.2004 - 1 ♀ litter (collected by Ciubcic V.).

Collected material: Chișinău city, 12.08.2008 - 1 ♂ main strip; Brînzani, Edineț District, 14.08.2008 - 1 ♂, 24.08.2008 - 1 ♂, 03.09.2008 - 1 ♂, 13.09.2008 - 1 ♂ forest, Barber soil traps; Lozova, Strășeni District, 21.06.2011 - 7 (5 ♂♂, 2 ♀♀), 06.07.2011 - 5 ♂♂ reserve, forest, Barber soil traps (collected by Mihailov I.).

Geographical spread: Palaearctic element.

Bioecology: a nidicole, coprobiont, predator, necrophagous species.

Total specimens: 19 (15 ♂♂, 4 ♀♀).

Genera *STAPHYLINUS* Linnaeus, 1758

8. *Staphylinus caesareus* Cederhjelms, 1798

Previous citations: NEKULISYANU (1984), OSTAFICHUK (1989), YATSENTKOVSKIY (1912).

Examined material: Vatici, Orhei District, 20.05.1958 - 1 ♂ litter; Bahmut, Călărași, 20.04.1961 - 1 ♂ litter (collected by Plugaru S.); Chișinău city, 20.07.1990 - 2 ♂♂ litter (collected Ostaficiuc V.), 11.03.2008 - 1 ♀ dog corpse (collected by Ciubcic V.); Trebujeni, Orhei city, 21.05.2008 - 1 ♂ litter (collected by Bacal S.).

Collected material: Chișinău city, 18.07.2009 - 1 ♂ Dendrariu park, on the grass (collected by Mihailov I.).

Geographical spread: West-Palaearctic element.

Bioecology: a saprobiont, nidicole, predator species.

Total specimens: 7 (6 ♂♂, 1 ♀♀).

9. *Staphylinus erythropterus* Linnaeus, 1758

Previous citations: NEKULISYANU (1984), OSTAFICHUK (1989), YATSENTKOVSKIY (1912).

Examined material: Hîrtop, Dubăsari District, 21.06.1968 - 1 ♀ litter; Donușeni city, 13.05.1983 - 10 ♂♂, 24.05.1984 - 4 ♂♂ litter; Durlăști, Chișinău municipality, 15.08.1980 - 1 ♀ litter; Lozova, Strășeni District, 18.05.1972 - 1 ♀, 19.05.1972 - 1 ♀, 21.05.1979 - 2 ♀♀ litter (collected by Ostaficiuc V.); Ivancea, Orhei District, 05.05.1967 - 1 ♀, 10.05.1967 - 1 ♀, 04.04.1973 - 1 ♀ litter (collected by Stepanov R.); Chișinău City, 23.07.1979 - 1 ♀ alfalfa (collected by Neculiseanu Z.).

Geographical spread: Holarctic element.

Bioecology: a saprobiont, nidicole, predator species.

Total specimens: 24 (14 ♂♂, 10 ♀♀).

Genera *TASGIUS* Stephens, 182910. *Tasgius globulifer* (Geoffroy, 1785)

Previous citations: MIHAILOV & DERJANSCHI (2011)

Collected material: Chişinău city, 18.07.2009 - 1 ♂ Dendrariu park, on the grass (collected by Mihailov I.).

Geographical spread: European element.

Bioecology: a saprobiont, nidicole, predator, necrophagous species.

Total specimens: 1 (1 ♂).

11. *Tasgius melanarius* (Heer, 1839)

Previous citations: NEKULISYANU (1984), YATSENTKOVSKIY (1912).

Examined material: Cotovsc city (current Hînceşti city), 24.08.1984 - 1 ♂ litter (collected by Neculiseanu Z.).

Geographical spread: Holarctic element.

Bioecology: a pedobiont, coprobiont, nidicole, predator, necrophagous species.

Total specimens: 1 (1 ♂).

12. *Tasgius morsitans* (Rossi, 1790)

Previous citations: ADASKEVICHI (1972).

Examined material: Chişinău city, 18.03.2008 - 1 ♂ the valley of the mills, Barber soil traps (collected by Ciubcic V.).

Collected material: Brînzani, 03.09.2008 - 1 ♂ forest, Barber soil traps; Feteşti (Edinet District), 13.09.2008 - 1 ♂ forest, Barber soil traps (collected by Mihailov I.).

Geographical spread: element Euro-Siberian.

Bioecology: a pedobiont, coprobiont, nidicole, predator, necrophagous species.

Total specimens: 3 (3 ♀♀).

13. *Tasgius winkleri* (Bernhauer, 1906)

Previous citations: STAN & BACAL (2006).

Examined material: Codrii Tigheci, 17.08.2003 - 1 ♂, 31.05.2005 - 2 ♂♂, 13.06.2005 - 1 ♂ litter (collected by Bacal S.); Chişinău city, 03.04.2005 - 1 ♂ litter, 18.03.2008 - 2 ♂♂ the valley of the mills, under the stump; Făgureni, Străşeni District, 07.08.2008 - 2 (1 ♂, 1 ♀) under the bark (collected by Ciubcic V.).

Geographical spread: Holarctic element.

Bioecology: a pedobiont, coprobiont, nidicole, predator, necrophagous species.

Total specimens: 9 (8 ♂♂, 1 ♀).

14. *Tasgius ater* (Gravenhorst, 1802)

Previous citations: MEDVEDEV & SHAPIRO (1957), YATSENTKOVSKIY (1912).

Geographical spread: European element.

Bioecology: a pedobiont, coprobiont, nidicole, predator, necrophagous species.

15. *Tasgius pedator* (Gravenhorst, 1802)

Previous citations: STAN & BACAL (2006), ADASKEVICHI (1972).

Examined material: Hănăşeni, Leova District, 27.07.2004 - 1 ♂ on plants (collected by Bacal S.); Chişinău city, 02.10.2004 - 1 ♂ on grass (collected by Ciubcic V.).

Geographical spread: Palaearctic element.

Bioecology: a pedobiont, coprobiont, nidicole, predator, necrophagous species.

Total specimens: 2 (2 ♂♂).

Genera *GAUROPTERUS* Thomson, 186016. *Gauropterus fulgidus* (Fabricius, 1787)

Previous citations: YATSENTKOVSKIY (1912).

Examined material: Chetrosu, Chişinău municipality, 23.08.2008 - 1 ♂ compost (collected by Ciubcic V.).

Collected material: Molovata Veche, Dubăsari District, 27.06.2009 - 1 ♂ grassland, cattle manure; Suruceni, Ialoveni District, 07.07.2010 - 1 ♀ grassland, cattle manure (collected by Mihailov I.).

Geographical spread: Holarctic element.

Bioecology: pedobiont, coprobiont, predator species.

Total specimens: 3 (2 ♂♂, 1 ♀).

Genera *GYROHYPNUS* Leach, 181917. *Gyrophypnus angustatus* Stephens, 1833

Previous citations: MARCU (1931), NEKULISYANU (1984).

Examined material: Chişinău city, 13.04.1968 - 1 ♀ on ground; Cioresti, Nisporeni District, 12.06.1968 - 2 ♀♀ forest, on decaying wood; Gîrbova, Ocnîţa District, 04.07.1981 - 1 ♂ on decaying plants; Criuleni city, 01.06.1981 - 1 ♂ on

decaying plants; Cotovsc city (current Hîncești city), 02.07.1981 - 5 ♀♀ on decaying plants; Durlești, Chișinău municipality, 02.07.1981 - 2 ♂♂ on decaying plants (collected by Ostaficiuc V.); Speia, Anenii Noi District, 21.08.1979 - 1 ♂ litter (collected by Neculiseanu Z.).

Geographical spread: Holarctic element.

Bioecology: coprobiont, predator species.

Total specimens: 13 (5 ♂♂, 8♀♀).

18. *Gyrophypnus fracticornis* (O. Mueller, 1776)

Previous citations: ADASKEVICHI (1972), NEKULISYANU (1984).

Examined material: Ciorești, Nisporeni District, 06.06.1968 - 1 ♂ litter, 12.06.1968 - 3 ♂♂ cattle manure; Dubăsarii Vechi, Criuleni District, 19.06.1968 - 1 ♀ litter; Lozova, Strășeni District, 20.05.1979 - 2 ♀♀, 21.05.1979 - 1 ♀ litter; Gîrbova, Ocnîța District, 12.04.1983 - 1 ♂ litter; Dondușeni city, 29.05.1984 - 3 ♀♀ litter; Ocnîța city, 06.06.1984 - 2 ♂♂ litter; Slobozia city, 08.07.1984 - 2 ♂♂ orchard (collected by Ostaficiuc V.); Scoreni, Strășeni District, 09.10.1961 - 2 ♀♀ on tobacco leaves (collected by Neculiseanu Z.).

Collected material: Chetrosu, Chișinău municipality, 19.07.2008 - 10 ♀♀ cattle manure; Cocieri, 04.07.2008 - 2 ♂♂, 28.06.2009 - 10 ♀♀ cattle manure; Oxintea, 27.06.2009 - 2 ♂♂ cattle manure; Rohii, 26.06.2009 - 2 ♀♀ cattle manure; Holercani, 04.07.2009 - 1 ♀ cattle manure; Vasilevca, 30.05.2009 - 3 ♀♀ cattle manure; Corjov, 22.06.2009 - 1 ♀ cattle manure; Molovata Veche (Dubăsari District), 27.06.2009 - 3 ♀♀ cattle manure; Țîpova, Rezina District, 28.08.2010 - 19 (10 ♂, 9 ♀) reserve, canyon, horses manure; Donici, Orhei District, 21.07.2010 - 2 (1 ♂, 1 ♀) horses manure; Abaclia, Basarabeasca District, 10.06.2011 - 2 (1 ♂, 1 ♀) grassland, horses manure (collected by Mihailov I.).

Geographical spread: Cosmopolite.

Bioecology: flying to white light trap; a coprobiont, predator species.

Total specimens: 76 (25 ♂♂, 51 ♀♀).

19. *Gyrophypnus liebei* Scheerpeltz, 1926

Previous citations: ADASKEVICHI (1972).

Collected material: Molovata Veche, Dubăsari District, 27.06.2009 - 2 ♂♂ cattle manure; Moara Domnească, Glodeni District, 20.08.2009 - 1 ♂ cattle manure (collected by Mihailov I.).

Geographical spread: Cosmopolite.

Bioecology: a coprobiont, predator species.

Total specimens: 3 (3 ♂♂).

Genera *LEPTACINUS* Erichson, 1839

20. *Leptacinus batychrus* (Gyllenhal, 1827)

Previous citations: YATSENTKOVSKIY (1912).

Examined material: Chișinău city, 12.07.1968 - 1 ♀ on decaying plants (collected by Ostaficiuc V.).

Collected material: Cajba, Glodeni District, 15.08.2008 - 1 ♀ grassland, cattle manure; Grătiești Chișinău municipality, 17.07.2008 - 1 ♀, 08.09.2009 - 6 ♀♀ grassland, cattle manure; Vasilevca, 30.05.2009 - 1 ♂ cattle manure; Rohii, 26.06.2009 - 37 (19 ♂♂, 18 ♀♀) grassland, cattle manure; Molovata Veche, 27.06.2009 - 5 ♂♂ cattle manure; Holercani, 04.07.2009 - 5 ♂♂ the bank of the Dniester; Goian (Dubăsari District), 20.09.2009 - 2 ♂♂ cattle manure; Făurești, Chișinău municipality, 13.08.2009 - 4 ♂♂ cattle manure; Moara Domnească, Glodeni District, 20.08.2009 - 4 ♂♂ cattle manure; Brînzani, Edineț District, 22.05.2010 - 1 ♂ on knotweed leaves; Horăști, Ialoveni District, 15.07.2010 - 2 ♂♂ cattle manure; Donici, 21.07.2010 - 5 (3 ♂♂, 2 ♀♀) horses manure; Vatici (Orhei District), 21.07.2010 - 1 ♂ horses manure; Lozova, Strășeni District, 08.06.2010 - 3 ♀♀, 05.08.2011 - 21 ♀♀ reserve, wet meadow, horses manure; Saharna, 28.08.2010 - 129 (11 ♂, 118 ♀♀) reserve, the bank of the Dniester, plants debris; Țîpova (Rezina District), 28.08.2010 - 123 (26 ♂♂, 97 ♀♀) canyon, cattle manure, 52 (17 ♂♂, 35 ♀♀) canyon, horses manure; Chițcani, Slobozia District, 01.07.2011 - 1 ♀ forest strip; Brînzani, Edineț District 01, 08, 15, 19, 22, 26, 29.07.2011 - 8 ♂♂, 4 ♀♀, trap with white light, 11 ♂♂, 3 ♀♀ trap with ultraviolet light; Ciorici, Ștefan Vodă District, 04.05.2013 - 19 (10 ♂♂, 9♀♀) Dniester meadow, piles of plants (collected Mihailov I.).

Geographical spread: Cosmopolite.

Bioecology: flying to white and ultraviolet light trap; a coprobiont, saprobiont, predator species.

Total specimens: 450 (130♂♂, 320♀♀).

21. *Leptacinus intermedius* Donisthorpe, 1936

Previous citations: ADASKEVICHI (1972).

Collected material: Lozova, Strășeni District, 08.06.2010 - 1 ♀ reserve, wet meadow, horses manure; Pelinei, Vulcănești District, 08.08.2015 - 1 ♂ reserve Flămînda, horses manure (collected by Mihailov I.).

Geographical spread: Nearctic element.

Bioecology: a coprobiont, saprobiont, predator species.

Total specimens: 2 (1♂, 1♀).

22. *Leptacinus sulcifrons* (Stephens, 1833)**Previous citations:** ADASKEVICHI (1972).**Collected material:** Budești, Chișinău municipality, 06.05.2009 - 1 ♂ litter (collected by Mihailov I.).**Geographical spread:** Euro-Asiatic element.**Bioecology:** a coprobiont, saprobiont, predator species.**Total specimens:** 1 (1♂).**Genera *MEGALINUS* Mulsant & Rey, 1877****23. *Megalinus flavocinctus* Hochhuth, 1849****Previous citations:** MIHAILOV (2009).**Collected material:** Budești, Chișinău municipality, 25.06.2008 - 1 ♂ unmaintained orchard; Molovata Veche, Dubăsari District, 31.05.2009 - 1 ♂ Dniester meadow (collected by Mihailov I.).**Geographical spread:** Euro-Caucasian element.**Bioecology:** a coprobiont, saprobiont, predator species.**Total specimens:** 2 (2♂♂).**Genera *PHACOPHALLUS* Coiffait, 1956****24. *Phacophallus parumpunctatus* (Gyllenhal, 1827)****Previous citations:** ADASKEVICHI (1972).**Collected material:** Suruceni, Ialoveni District, 07.07.2010 - 1 ♂ cattle manure (collected by Mihailov I.).**Geographical spread:** Cosmopolite.**Bioecology:** a coprobiont, saprobiont, predator species.**Total specimens:** 1 (1♂).**Genera *STENISTODERUS* Jacquelin du Val, 1856****25. *Stenistoderus cephalotes* (Kraatz, 1858)****Previous citations:** ADASKEVICHI (1972).**Collected material:** Stăuceni, Chișinău municipality, 15.09.2008 - 1 ♂ autumn wheat; Brînzeni, Edineț District, 21, 22.06.2011 - 4 (3♂♂, 1♀) forest, luminescent trap (collected by Mihailov I.).**Geographical spread:** Palaearctic element.**Bioecology:** flying to white light trap; coprobiont, predator species.**Total specimens:** 5 (4♂♂, 1♀).**Genera *XANTHOLINUS* Dejean, 1821****26. *Xantholinus distans* Mulsant et Rey, 1853****Previous citations:** YATSENTKOVSKIY (1912).**Examined material:** Nisporeni city, 19.05.1968 - 1 ♂ forest, litter (collected by Neculiseanu Z.); Rădeni, Călărași District, 17.07.1968 - 2 ♂♂ forest, litter; Dondușeni city, 29.05.1984 - 1 ♂ forest, litter (collected by Ostaficiuc V.).**Geographical spread:** European element.**Bioecology:** pedobiont, coprobiont, saprobiont, predator species.**Total specimens:** 4 (4♂♂).**27. *Xantholinus linearis* (Olivier, 1795)****Previous citations:** NEKULISYANU (1984), YATSENTKOVSKIY (1912).**Examined material:** Trușeni, Strășeni (current Chișinău municipality), 12.07.1968 - 1 ♂ on cabbage leaves; Lozova, Strășeni District, 17.06.1972 - 1 ♂ litter; Chișinău city, 02.12.1974 - 1 ♂ litter (collected by Ostaficiuc V.); Ivancea, Orhei District, 26.05.1976 - 1 ♂ the river bank (collected by Stepanov R.).**Geographical spread:** Palaearctic element.**Bioecology:** a micetobiont, pedobiont, coprobiont, saprobiont, predator species.**Total specimens:** 4 (4♂♂).**28. *Xantholinus fortepunctatus* Motschulsky, 1860****Previous citations:** ADASKEVICHI (1972), SHAVRIN (2006).**Geographical spread:** European element.**Bioecology:** a pedobiont, coprobiont, saprobiont, predator species.**29. *Xantholinus dvoraki* Coiffait, 1956****Previous citations:** MIHAILOV (2010).**Examined material:** Dondușeni city, 29.05.1984 - 1 ♂ litter (collected by Ostaficiuc V.).**Collected material:** Zăbriceni, Edineț, 01.06.2010 - 1 ♀ forest, Barber soil traps; Pelinei, Vulcănești, 18.07.2015 - 1♂ forest Flămînda, litter, under stump (collected by Mihailov I.).

Geographical spread: Euro-Asiatic element.

Bioecology: a pedobiont, saprobiont, predator species.

Total specimens: 3 (2♂♂, 1♀).

30. *Xantholinus decorus* Erichson, 1839

Previous citations: ADASKEVICHI (1972).

Examined material: Făgureni, Strășeni District, 07.08.2008 - 1 ♂ under the rotten bark (collected by Ciubcic V.); Scientific Reserve Pădurea Domnească, 10.06.2015 - 1 ♀ forest, litter (collected Bacal S.).

Collected material: Micăuți, Strășeni, 03.06.2009 - 1 ♂ under oak leaves (collected Mihailov I.).

Geographical spread: European element.

Bioecology: a pedobiont, coprobiont, saprobiont, predator species.

Total specimens: 3 (2♂♂, 1♀).

31. *Xantholinus tricolor* (Fabricius, 1787)

Previous citations: ADASKEVICHI (1972), OSTAFICHUK (1989).

Examined material: Orhei city, 03.06.1968 - 2 ♂♂ forest, litter; Hîrtop, Dubăsari District, 21.06.1968 - 1 ♀ litter; Nisporeni city, 28.08.1969 - 2 ♀♀ on decaying wood; Dondușeni city, 13.05.1983 - 3 ♂♂, 29.05.1984 - 3 ♂♂ litter; Lozova, Strășeni District, 17.06.1972 - 2 ♀♀, 17.07.1974 - 3 ♂♂, 21.06.1974 - 3 ♀♀ litter (collected y Ostaficiuc V.); Speia, 21.08.1979 - 2 ♂♂ litter; Telița Nouă, Anenii Noi District, 28.07.1979 - 8 ♂♂ litter (collected by Neculiseanu Z.).

Collected material: Brînzani, Edineț District, 20.08.2010 - 1 ♂ forest, Barber soil traps (collected by Mihailov I.).

Geographical spread: Euro-Siberian element.

Bioecology: a micetobiont, pedobiont, coprobiont, saprobiont, predator species.

Total specimens: 30 (22♂♂, 8♀♀).

The analyzed material which consist 892 specimens (373♂♂, 519 ♀♀) belonging to 31 rove beetles species discussed in tis paper is based on entomological material accumulated by entomologists - Ostaficiuc V., Plugaru s., Stepanov R., Neculiseanu Z., Ciubcic V., Bacal S., Mihailov I., during 1968-2015.

In the entomological material analyzed two species of staphylinides register a number of over 100 specimens - 1) *Leptacinus batychrus* (Gyllenhal, 1827) with 450 specimens, dominating the females whose number is 320 ex. and 2) *Ontholestes murinus* (Linnaeus, 1758) with 115 specimens, (66♂♂, 49♀♀). As maintained by the ecological peculiarities, most of the approached species fall into the polybiont classification, ie they can be assigned simultaneously in several ecological groups. According to trophic preferences, they are typical predators. From the point of view of geographical distribution, the examined species are presented by varied geographical distribution, being framed in 9 geographical elements: Cosmopolitan (4 species), Holarctic (5), Palaearctic (7), Western-Palaearctic (1), European (7), Euro-Siberian (3), Euro-Asian (2), Euro-Caucasian (1), Nearctic - (1 species).

CONCLUSIONS

1. The faunal study was performed for a group of 31 species of staphylinids from the Staphylininae subfamily, classified in 11 genera (*Ontholestes* Ganglbauer, 1895; *Platydracus* Thomson, 1858; *Staphylinus* Linnaeus, 1758; *Tasgius* Stephens, 1829; *Gauropterus* Thomson, 1860; *Gyrophypnus* Leach, 1819; *Leptacinus* Erichson, 1839; *Megalinus* Mulsant & Rey, 1877; *Phacophallus* Coiffait, 1956; *Stenistoderus* Jacquelin du Val, 1856 and the last one is *Xantholinus* Dejean, 1821).
2. The results presented and analysed in the present paper explain the emphasis of the records over time and the elucidation of the extension points for each specimen. The materials discussed in this work were collected from 68 geographical points of the Republic of Moldova, a study from which it can be understood that staphylinidae have a high potential:
 - i) in the population of natural and anthropized habitats,
 - ii) in migration at an unfavorable time for adaptation and development,
 - iii) in the manifestation of the multiannual presence on the same substrate where there are other insects that serve as a food source for the rove beetles,
 - iiii) in maintaining the numerical nucleus (species and specimens) during seasonal periods.

The data of the examined and collected material indicate the registration of 892 (373♂♂, 519♀♀) specimens in total, mostly females. The most abundant staphylinides were found to be *Leptacinus batychrus* (Gyllenhal, 1827) with 450 specimens and *Ontholestes murinus* (Linnaeus, 1758) with 115 specimens.

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