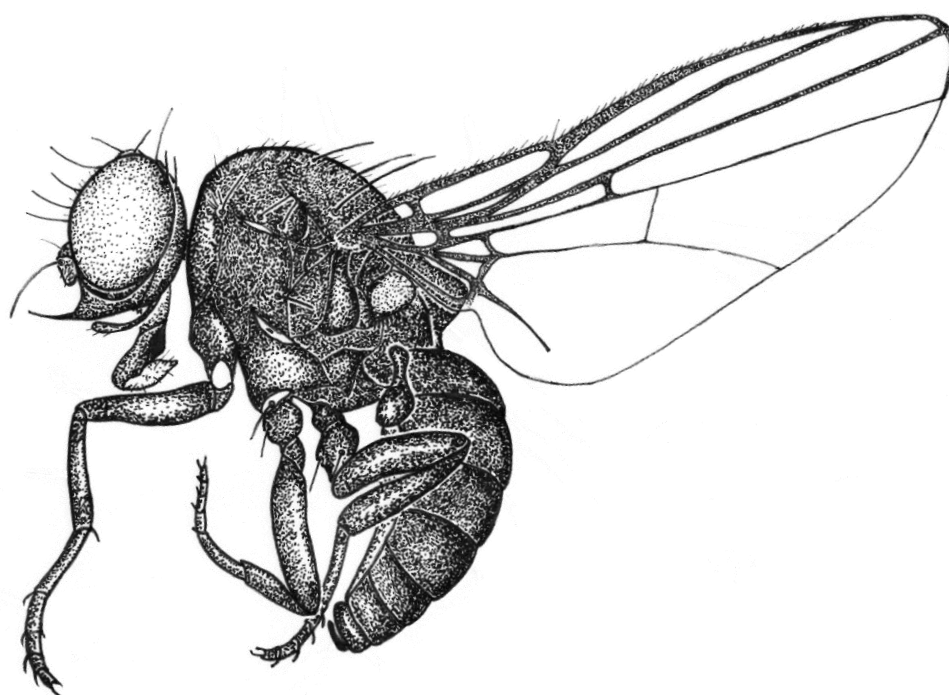


ISSN 1726-8028
e-ISSN 2707-420X

ВІСТІ
ХАРКІВСЬКОГО
ЕНТОМОЛОГІЧНОГО ТОВАРИСТВА
ТОМ XXXIV ВИПУСК 1

THE KHARKIV ENTOMOLOGICAL
SOCIETY GAZETTE
VOLUME XXXIV ISSUE 1



ХАРКІВ 2026 KHARKIV

В І С Т І
ХАРКІВСЬКОГО ЕНТОМОЛОГІЧНОГО ТОВАРИСТВА

2026

Том XXXIV

Випуск 1

Виходить з 1993 року

THE KHARKIV ENTOMOLOGICAL SOCIETY GAZETTE

2026

Volume XXXIV

Issue 1

Published since 1993

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Державного біотехнологічного університету

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Журнал включено в Web of Science Master Journal List, реферується в Zoological Record, цитується в Google Scholar, індексується в CrossRef

Архів номерів журналу у форматі PDF доступний на сайті журналу (entomology.kharkiv.ua) та Національної бібліотеки України ім. В. І. Вернадського (nbuv.gov.ua/j-tit/Vkhet)

Журнал підписано до друку за рекомендації Вченої ради Державного біотехнологічного університету (протокол № 17 від 30.06.2026 р.)

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Харківське ентомологічне товариство
Тел.: +380973719458; +380503022290
E-mail: kharkentomolsocgazet@gmail.com

Статті публікуються мовою оригіналів — українською або англійською

Свідоцтво про державну реєстрацію серія КВ № 17114-5884ІПР від 25.10.2010 р.

Ідентифікатор медіа в Реєстрі суб'єктів у сфері медіа: R30-04535

На обкладинці: рисунок Ю. О. Гуглі
Ophiomyia collini Spencer, 1971, ♂

The founder:
The Kharkiv Entomological Society

Joint publication of
The Kharkiv Entomological Society and
The State Biotechnological University

The Kharkov Entomological Society Gazette is included in the 'List of Scientific Professional Editions' of Ukraine within the 'Biology, Biotechnologies, Medicine, and Rehabilitation' cluster (category 'B', speciality E1 — Biology and Biochemistry) (order of the Ministry of Education and Science of Ukraine No. 928, June 11, 2026)

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The issue of the journal approved for publication by the Scientific Council of the State Biotechnological University (protocol No. 17, June 30, 2026)

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Articles are published in the original language — Ukrainian or English

Certificate of state registration
KB No. 17114-5884ІПР of October 25, 2010

Media ID in the Register of Subjects in the Field of Media: R30-04535

On the cover: drawing by Yu. O. Guglya
Ophiomyia collini Spencer, 1971, ♂

Підписано до друку 30.06.2026

Формат 60×84 1/8. Гарнітура Times NR. Друк офсетний. Папір офсетний
Умов. друк. арк. 5,1. Обл.-вид. арк. 3,8. Наклад 300 прим. Замовлення № 102-26
Надруковано з макета замовника ПП «Стиль-Іздат» (св. ХК 240 від 02.09.2009 р.)
Україна, 61022, Харків, вул. Тринклера, 2, корп. 1, к. 19, тел. 057-758-01-08, 066-822-71-30

UDC 595.773.4(55)

DOI: 10.36016/KhESG-2026-34-1-1

urn:lsid:zoobank.org:pub:9421D8FA-8349-4E79-81C6-B1653DAD2A44

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A NEW SPECIES OF *OPHIOMYIA* BRASCHNIKOV, 1897 (DIPTERA: AGROMYZIDAE) FROM QAZVIN, WITH A REVIEW OF THE IRANIAN AGROMYZID FAUNA

Гугля, Ю. О. Новый вид рода *Ophiomyia* Braschnikov, 1897 (Diptera: Agromyzidae) з Казвіну з оглядом фауни агромізид Ірану. *Вісті Харківського ентомологічного товариства*. 2026. Т. XXXIV, вип. 1. С. 3–8. DOI: 10.36016/KhESG-2026-34-1-1.

Починаючи з 1938 року для фауни Ірану було зареєстровано 59 видів мух-мінерів. Хоча дані про один–три види спорадично з'являлися у різних працях, ці дослідження не були систематичними. Перший офіційний чекліст був опублікований лише у 2010 році та включав 26 видів. Оновлений список із 46 видів вийшов у 2015 році. Нещодавно, у 2020 та 2023 роках, до списку було додано ще сім видів, два з яких були описані з Ірану і наразі відомі лише з типових локалітетів. Крім того, описано новий вид мух-агромізид, *Ophiomyia korneyevi* sp. n., зібраний у Казвіні (Іран) у 2014 році. Опис супроводжений ілюстраціями голови, крила та терміналії самця. У цій праці наведено повний чекліст відомих іранських видів, що складається з 60 назв. 8 рис., 37 назв.

Ключові слова: морфологія, голова, терміналії самця, чекліст.

Guglya, Yu. O. A new species of *Ophiomyia* Braschnikov, 1897 (Diptera: Agromyzidae) from Qazvin, with a review of the Iranian agromyzid fauna. *The Kharkiv Entomological Society Gazette*. 2026. Vol. XXXIV, iss. 1. P. 3–8. DOI: 10.36016/KhESG-2026-34-1-1.

Since 1938, 59 species of leaf-mining flies have been recorded for the fauna of Iran. Although data on one to three species sporadically appeared in various papers, these studies were not systematic. The first formal checklist was published only in 2010 and included 26 species. An updated list with 46 species was followed in 2015. Most recently, seven additional species were added in 2020 and 2023, two of which were described from Iran and are currently known only from their type localities. Additionally, a new species of agromyzid fly, *Ophiomyia korneyevi* sp. n., collected in Qazvin (Iran) in 2014, is described. The description is accompanied by illustrations of the head, wing, and male terminalia. A full checklist of the known Iranian species, consisting of 60 species, is provided herein. 8 figs, 37 refs.

Keywords: morphology, head, male terminalia, checklist.

Introduction. The first data on the Agromyzidae of Iran appeared in 1938, when *Agromyza ambigua* Fallén, 1823 was recorded as a crop pest (Afshar, 1938). New data on the agromyzid fauna were published sporadically from the 1960s to the present day, but these primarily concerned only one to three species (Farahbakhsh, 1961; Abai, 1984; Zlobin, 1993; Esmaili *et al.*, 1996; Radjabin *et al.*, 1997; Jafarzadeh, Pourmirza, 1998; Kalantar Hormozi *et al.*, 2000; Amin *et al.*, 2002; Sasakawa, 2005; von Tschirnhaus, Karimpour, 2006; Mahmoodi *et al.*, 2011; Shahreki *et al.*, 2012; Hazini *et al.*, 2013; Nartshuk, 2019; Kazerani *et al.*, 2023; Martinez, 2025). Griffiths (1964) cited data on nine ‘Persian’ species collected in Iran. The first formal checklist of Iranian agromyzids was published only in 2010 and comprised 26 species (Dousti, 2010). Subsequently, an updated checklist was published in 2015, including 46 species from 15 genera (Ranji *et al.*, 2015). Finally, Černý *et al.* (2020) additionally listed seven species from six genera. To date, 59 Agromyzidae species have been recorded in Iran (two species from this list remain identified only to the range of the genus: *Ophiomyia* sp. and *Phytobia* sp.), which is an extremely small number for such a vast territory (Appendix). Consequently, the Iranian fauna of Agromyzidae remains poorly investigated.

Liriomyza persica Griffiths, 1964 and *Cerodontha* (*Poemyza*) *albinea* Zlobin, 1993 were described from Iran. To date, the former has not been recorded anywhere outside of Iran, while the type series of the latter includes specimens from both Mongolia (holotype and paratypes) and Iran (paratype). *Cerodontha* (*P.*) *albinea* has also not been collected elsewhere since its description. Among the material collected by Valery Korneyev and Severyn Korneyev in Iran in 2014, a previously unknown species of the genus *Ophiomyia* was discovered, which is described below.

Materials and methods. A single specimen was collected by sweeping, pinned on a minutia pin, and labeled individually. The genitalia were dissected and macerated in a potassium hydroxide solution, then washed in a faint acetic acid solution and subsequently in distilled water. The terminalia are preserved in a mixture of glycerol and ethanol (1:1) in a microvial mounted together with the specimen.

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Received 15.04.2026

Accepted 26.05.2026 by Dr. E. Török

Published 16.06.2026

The terminology for external morphology and male terminalia follows Lonsdale (2021). All drawings were made by the author. The holotype is deposited in the collection of the Museum of Nature of V. N. Karazin Kharkiv National University (KMNU), Ukraine.

Results and discussions. The worldwide distributed genus *Ophiomyia* was separated in subfamily Ophiomyiinae together with *Melanagromyza* Hendel, 1920, *Euhexomyza* Lonsdale, 2014 and *Tropicomyia* Spencer, 1973 based on whole genomic phylogenetic analysis provided by Xuan *et al.* (2023). To date, five species from the genus *Ophiomyia* were known in Iran. Among them, *O. beckeri* (Hendel, 1923), *O. curvipalpis* (Zetterstedt, 1848), *O. nasuta* (Melander, 1913) and *O. orbiculata* (Hendel, 1931) are widely distributed in Palaearctic Region (Papp, Černý, 2015), and *O. phaseoli* (Tryon, 1895) occurs throughout the Old-World tropics from Northern Australia and the islands of Micronesia, across Asia and Africa and reaches Egypt and Israel (Spencer, 1973). Only the last is known as a serious pest, attacking Leguminosae, such as *Cajanus*, *Canavalia*, *Crotalaria*, *Dolichos*, *Glycine*, *Phaseolus*, *Pueraria*, *Soja*, and *Vigna* (Spencer, 1973).

All five species are very different, well distinguished from each other, and cannot be confused with the new species described below.

Family AGROMYZIDAE Fallén, 1823

Subfamily OPHIOMYIINAE Xuan *et al.*, 2023

Genus *Ophiomyia* Braschnikov, 1897

Ophiomyia korneyevi sp. nov.

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Description. Head (Figs 1, 2). Blackish-brown. Vibrissal fasciculus absent. Orbit black, distinctly projected above eye in profile, slightly more prominent at level of lunule in lateral view; narrow, slightly shining, without clear contour in anterior view; 2 *ori*, 2–3 *ors*. *Fr orb* setae thick, short, reclinate, arranged in one irregular row. Frons with satin-like shine. Lunule wide, low, flattened, with small dorsal convexity reaching level of anterior *ori*. Facial carina bulbous, distinctly projected, with distinct furrow. Ocellar triangle same colour and shine as face in frontal view; black and shining in dorsal view, reaching level of posterior *ori*. Maximum height of eye 3.8× maximum height of gena.

Wing (Fig. 3). Greyish; all veins brown. Costa ending slightly after R_{4+5} . Last section of M_4 0.8× as long as penultimate section. Calypter grey, margin and fringe black. Wing length 2.8 mm.

Thorax and legs. Mesonotum and scutellum uniformly moderately shining, with slight brownish pruinosity laterally in dorsal view. 2+0 *dc*; *acr* in 6–8 rows. Halter black. Legs: femur black, shining; tibia and tarsi dark grey, matt.

Male genitalia (Figs 4–8). Phallus atypical for genus, with extremely elongated, tail-shaped anterior half of distiphallus. Distiphallus widening posteriorly, with flattened posterior edge in ventral view; with well-sclerotized long ventral lobe and weakly sclerotized short dorsal lobe in lateral view. Mesophallus not reaching posterior edge of distiphallus. Basiphallus narrow, slightly curved, well-sclerotized, with parallel lateral margins in ventral view. Membranous gap between distiphallus and basiphallus as long as basiphallus. Hypandrium long, uniformly narrowing anteriorly, with wide, uniformly sclerotized arms. Epandrium typical for genus, hemispherical. Surstylus with group of strong short setae and one more slender, elongated seta. Ejaculatory apodeme triangular, slightly curved, 1.9× as long as phallus.

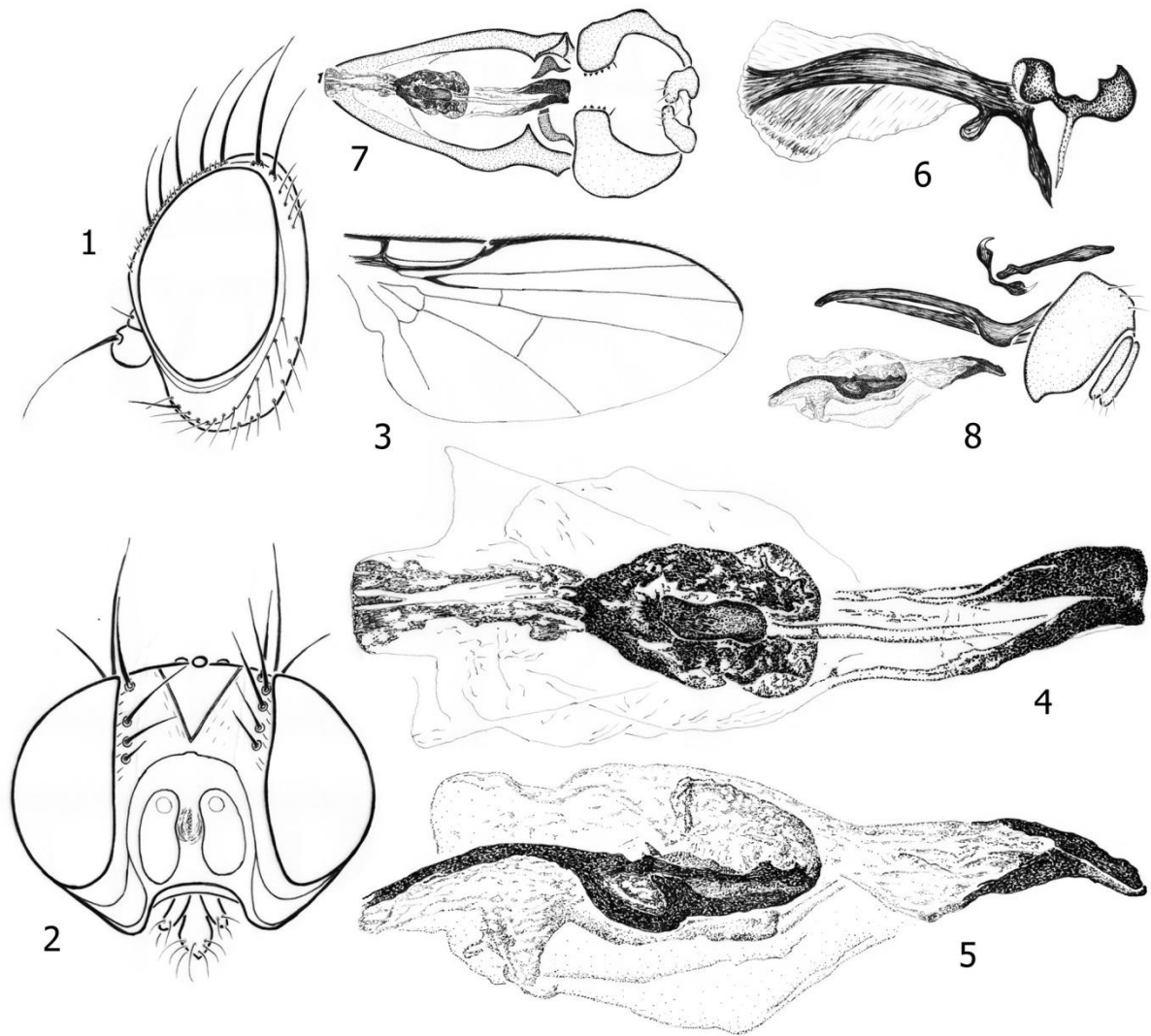
Material. Type. Holotype ♂, 'Iran, Qazvin, / wetland at waterfall / 36°07'N, 50°33'E / 1500 m, 7.06.2014 / S & V. Korneyev'; red label: 'HOLOTYPE / *Ophiomyia korneyevi* ♂ / Guglya, 2026 / Inv. № H-2333'.

Geographical distribution. Known only from northwestern Iran (Qazvin).

Host plants. Unknown.

Systematic remarks. Elongated shape of phallus, bulbous facial carina and absence of fasciculus of the new species make it close to *O. vanyushai* Guglya, 2014 which was described from Ukraine and further collected in Switzerland (Guglya, 2014; Černý, Bächli, 2018). At the same time, the new species can immediately be recognized by distiphallus, which is characteristically widened posteriorly (viewed from below).

Etymology. The new species is named in honour of the dipterist Valery Korneyev, who collected the holotype.



Figs 1–8. *Ophiomyia korneyevi* sp. n.: 1 — head (lateral view); 2 — head (frontal view); 3 — wing; 4 — phallus (lateral view); 5 — phallus (ventral view); 6 — ejaculatory apodeme; 7 — epandrium, hypandrium and phallus proportionally (ventral view); 8 — epandrium, hypandrium, ejaculatory apodeme and phallus proportionally (lateral view).

Conclusions. Taking into account the limited degree of study, the Iranian fauna of agromyzid flies is of great interest to researchers. However, it should be noted that collecting insects in Iran remains a difficult and sometimes impossible challenge. To date, 60 species have been recorded from Iran, two of which were identified only to the genus rang. Three of them have been described from Iran, such as *Ophiomyia korneyevi*, *Cerodontha* (*Poemyza*) *albinea* and *Liriomyza persica*. Many species in the Iranian checklist are widely distributed; however, several others, such as *Amauromyza* (*Amauromyza*) *carlina*, *A. (Cephalomyza) fraxini*, *Liriomyza hieracii*, *Melanagromyza nigrissima*, and *Chromatomyia farfarella*, are rare European species whose identification is doubtful and requires further clarification.

Acknowledgments. The author is very grateful to Dr. Valery Korneyev (I. I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine, Kyiv) for providing this interesting material and for his critical remarks on the article and also to anonymous reviewer whose comments helped improve the manuscript.

Declaration of competing interest. The author declares that she has no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

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Appendix.

THE UPDATED CHECKLIST OF IRANIAN AGROMYZIDAE

Subfamily AGROMYZINAE

1. *Agromyza alnibetula* Hendel, 1931
Abai, 1984; Dousti, 2006.
2. *Agromyza ambigua* Fallén, 1823
Afshar, 1938; Farahbakhsh, 1961; Dousti, 2006.
3. *Agromyza frontella* (Rondani, 1875)
Nartshuk, von Tschirnhaus, 2017.
4. *Agromyza parvicornis* Loew, 1869
Esmaili *et al.*, 1996.
5. *Agromyza rondensis* Strobl, 1900
Nartshuk, von Tschirnhaus, 2017.

Subfamily OPHIOMYIINAE

6. *Hexomyza schineri* (Giraud, 1861)
Farahbakhsh, 1961; Abai, 1984; Behdad, 1988.
7. *Melanagromyza aeneoventris* (Fallén, 1823)
Ranji *et al.*, 2015.
8. *Melanagromyza albocilia* Hendel, 1931
Ranji *et al.*, 2015.
9. *Melanagromyza cunctans* (Meigen, 1830)
Shahreki *et al.*, 2012.
10. *Melanagromyza nigrissima* Spencer, 1976
Ranji *et al.*, 2015.
11. *Melanagromyza sativae* Spencer, 1957
Griffiths, 1964; Spencer, 1990.
12. *Ophiomyia beckeri* (Hendel, 1923)
Ranji *et al.*, 2015.
13. *Ophiomyia curvipalpis* (Zetterstedt, 1848)
Ranji *et al.*, 2015.
14. *Ophiomyia korneyevi* sp. n.
15. *Ophiomyia nasuta* (Melander, 1913)
Nartshuk, 2019.
16. *Ophiomyia orbiculata* (Hendel, 1931)
Ranji *et al.*, 2015.
17. *Ophiomyia phaseoli* (Tryon, 1895)
Mahmoodi *et al.*, 2011.
18. *Ophiomyia* sp.
Hazini *et al.*, 2013.

Subfamily PHYTOMYZINAE

19. *Amauromyza (Amauromyza) balcanica* (Hendel, 1931)
Griffiths, 1964.
20. *Amauromyza (Amauromyza) carlina* (Hering, 1944)
Dousti, 2006.
21. *Amauromyza (Cephalomyza) fraxini* (Beiger, 1980)
Dousti, 2006 (as *Aulagromyza*).
22. *Amauromyza (Cephalomyza) gyrans* (Fallén, 1823)
Griffiths, 1964.
23. *Amauromyza (Cephalomyza) luteiceps* (Hendel, 1920)
Ranji *et al.*, 2015.
24. *Amauromyza (Cephalomyza) monfalconensis* (Strobl, 1909)
Černý *et al.*, 2020.
25. *Aulagromyza heringii* (Hendel, 1920)
Kazerani *et al.*, 2023.
26. *Aulagromyza populi* (Kaltenbach, 1864)
Ranji *et al.*, 2015.
27. *Calycomyza humeralis* (von Roser, 1840)
Dousti, 2006.
28. *Cerodontha (Cerodontha) denticornis* (Panzer, 1806)
Radjabzadeh, 2004; Radjabzadeh, Behrozin, 2002.
29. *Cerodontha (Icteromyza) geniculata* (Fallén, 1823)
Sasakawa, 2005.
30. *Cerodontha (Poemyza) albinea* Zlobin, 1993
Zlobin, 1993.
31. *Cerodontha (Poemyza) lateralis* (Macquart, 1835)
Černý *et al.*, 2020.
32. *Cerodontha (Poemyza) pygmaea* (Meigen, 1830)
Griffiths, 1964.
33. *Cerodontha (Poemyza) pygmella* (Hendel, 1931)
Ranji *et al.*, 2015 (as *lapplandica* jun. syn.).
34. *Chromatomyia farfarella* (Hendel, 1935)
Černý *et al.*, 2020.
35. *Chromatomyia horticola* Goureau, 1851
Griffiths, 1964; Kalantar Hormozi *et al.*, 2000;
Lotfalizadeh, 2004; Dousti, 2006; Shahreki *et al.*, 2012;
Pourhaji *et al.*, 2012; Hazini *et al.*, 2013; Ranji *et al.*, 2015.
36. *Chromatomyia milii* (Kaltenbach, 1864)
Černý *et al.*, 2020.
37. *Chromatomyia nigra* (Meigen, 1830)
Shahreki *et al.*, 2012.

- 38. *Liriomyza bryoniae* (Kaltenbach, 1858)**
Hazini *et al.*, 2013; Ranji *et al.*, 2015.
- 39. *Liriomyza congesta* (Becker, 1903)**
Griffiths, 1964; Behdad, 1993; Esmaili *et al.*, 1996; Shahreki *et al.*, 2012; Ranji *et al.*, 2015.
- 40. *Liriomyza hieracii* (Kaltenbach, 1862)**
Ranji *et al.*, 2015.
- 41. *Liriomyza pedestris* Hendel, 1931**
Martinez, 2025.
- 42. *Liriomyza persica* Griffiths, 1964**
Griffiths, 1964.
- 43. *Liriomyza pusilla* (Meigen, 1830)**
von Tschirnhaus, Karimpour, 2006.
- 44. *Liriomyza pusio* (Meigen, 1830)**
Griffiths, 1964.
- 45. *Liriomyza sativa* Blanchard, 1938**
Kalantar Hormozi *et al.*, 2000; Zahiri *et al.*, 2003; Shahreki *et al.*, 2012; Ranji *et al.*, 2015.
- 46. *Liriomyza sonchi* Hendel, 1931**
Hazini *et al.*, 2013.
- 47. *Liriomyza trifolii* (Burgess et Comstock, 1880)**
Amin *et al.*, 2002; Farrokhi *et al.*, 2004, Dousti, 2006; Ranji *et al.*, 2015.
- 48. *Liriomyza violiphaga* Hendel, 1932**
Griffiths, 1964; Ranji *et al.*, 2015 (as *Galiomyza*).
- 49. *Metopomyza junci* von Tschirnhaus, 1981**
Černý *et al.*, 2020.
- 50. *Metopomyza scutellata* (Fallén, 1823)**
Černý, 2018.
- 51. *Phytoliriomyza arctica* (Lundbeck, 1901)**
Černý *et al.*, 2020.
- 52. *Phytoliriomyza dorsata* (Siebke, 1863)**
Shahreki *et al.*, 2012.
- 53. *Phytobia* sp.**
Ranji *et al.*, 2015.
- 54. *Phytomyza lappae* Goureau, 1851**
Hazini *et al.*, 2013.
- 55. *Phytomyza minuscula* Goureau, 1851**
Esmaili *et al.*, 1996.
- 56. *Phytomyza orobanchia* Kaltenbach, 1864**
Jafarzadeh, Pourmirza, 1998; Movahedi-Fazel *et al.*, 1998.
- 57. *Phytomyza plantaginis* Robineau-Desvoidy, 1851**
Hazini *et al.*, 2013; Ranji *et al.*, 2015.
- 58. *Phytomyza rhabdophora* Griffiths, 1964**
Černý *et al.*, 2020.
- 59. *Pseudonapomyza atra* (Meigen, 1830)**
Dousti, 2010; Ranji *et al.*, 2015; Černý *et al.*, 2020.
- 60. *Pseudonapomyza europaea* Spencer, 1973**
Ranji *et al.*, 2015.



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RECORDS OF APHIDIINAE (HYMENOPTERA: BRACONIDAE) IN CHERNIVTSI REGION OF UKRAINE WITH NOTES ON THE FAUNA OF THE UKRAINIAN CARPATHIANS

Калюжна, М. О. Знахідки Aphidiinae (Hymenoptera: Braconidae) у Чернівецькій області України з нотатками щодо фауни Карпатського регіону. *Вісті Харківського ентомологічного товариства*. 2026. Т. XXXIV, вип. 1. С. 9–13. DOI: 10.36016/KhESG-2026-34-1-2.

На основі ревізії колекційного матеріалу, зібраного у 2008 році, для Чернівецької області наведено чотири види Aphidiinae (Hymenoptera: Braconidae). Досліджений матеріал включає знахідки як із гірських, так і з рівнинних локалітетів Буковинських Карпат та прилеглих територій. Два види, *Ephedrus niger* Gautier, Bonnamour et Gaumont, 1929 та *E. plagiator* (Nees, 1811), раніше були відомі з території Карпатського біосферного заповідника, тоді як представники родів *Trioxys* Haliday, 1833 та *Binodoxys* Mackauer, 1960 залишаються порівняно рідко задокументованими в Карпатському регіоні. Уперше для Карпатського регіону України наведено верифіковану знахідку представника роду *Trioxys* s. str. — *Trioxys pallidus* Haliday, 1833. Особливий інтерес становить також знахідка *Binodoxys centaureae* (Haliday, 1833) з високогірного локалітету на висоті 1 820 м н. р. м. У роботі коротко обговорено сучасний стан вивченості Aphidiinae Карпатського регіону України та підкреслено значення ревізії колекційних матеріалів і критичного аналізу попередньо опублікованих даних для регіональних фауністичних досліджень. 17 назв.

Ключові слова: біорізноманіття, Буковинські Карпати, фауністика, паразитоїди попелиць.

Kaliuzhna, M. O. Records of Aphidiinae (Hymenoptera: Braconidae) in Chernivtsi Region of Ukraine with notes on the fauna of the Ukrainian Carpathians. *The Kharkiv Entomological Society Gazette*. 2026. Vol. XXXIV, iss. 1. P. 9–13. DOI: 10.36016/KhESG-2026-34-1-2.

Four species of Aphidiinae (Hymenoptera: Braconidae) are recorded from Chernivtsi Region based on revised collection material collected in 2008. The examined material includes records from both mountain and lowland localities of the Bukovynian Carpathians and adjacent areas. Two species, *Ephedrus niger* Gautier, Bonnamour et Gaumont, 1929 and *E. plagiator* (Nees, 1811), were previously known from the Carpathian Biosphere Reserve, whereas representatives of the genera *Trioxys* Haliday, 1833 and *Binodoxys* Mackauer, 1960 remain comparatively poorly documented in the Ukrainian Carpathians. The present study provides the first verified record of the genus *Trioxys* s. str. for the Ukrainian Carpathians based on the record of *Trioxys pallidus* Haliday, 1833. The record of *Binodoxys centaureae* (Haliday, 1833) from a high-montane locality at 1,820 m a. s. l. is also of particular interest. The paper briefly discusses the current state of knowledge of Aphidiinae in the Ukrainian Carpathians and highlights the importance of revising collection material and critically analyzing previously published data for regional faunistic studies. 17 refs.

Keywords: biodiversity, Bukovynian Carpathians, faunistics, aphid parasitoids.

Introduction. Aphidiinae (Hymenoptera: Braconidae) are specialized endoparasitoids of aphids and play an important role in the natural regulation of aphid populations in natural and agricultural ecosystems (Kaliuzhna, 2015). Currently, Aphidiinae comprise more than 600 described species worldwide, of which over 80 species have been recorded from Ukraine (Yu, van Achterberg, Horstmann, 2016; Kaliuzhna, 2017). Despite their ecological importance, the fauna of Aphidiinae in the Ukrainian Carpathians remains insufficiently studied and is based mainly on fragmentary regional publications and collection records. The most important contribution to the study of Aphidiinae in the Ukrainian Carpathians was provided by investigations conducted in the Carpathian Biosphere Reserve (Zeroва *et al.*, 1996; Zagorodniuk, Chumak, Zeroва, 1997; Pokynchereda, 2003a). According to published data, 19 species belonging to seven genera were previously known from the Ukrainian Carpathians.

Aphidiinae species were also mentioned for the Carpathian Biosphere Reserve in conference abstracts (Pokynchereda, 2003b), however, these records were published without cited material and probably reflected preliminary identifications, which complicates their verification and interpretation in the context of the regional fauna. Most verified records were based on material examined in the preprint by Zeroва *et al.* (1996), whereas later publications mainly summarized records by mountain massifs without detailed specimen data. In addition, some older records require taxonomic clarification because of subsequent changes in the interpretation of several Aphidiinae taxa.

The territory of Chernivtsi Region includes parts of the Bukovynian Carpathians as well as adjacent foothill and lowland territories, resulting in considerable habitat heterogeneity (Marynych, Shyshchenko, 2005; DENR ChRSA, 2024). Nevertheless, Aphidiinae of this area remain poorly documented and are represented

mainly by isolated records and unpublished collection material. Revision of museum collections and published records, therefore, remains an important source of verified faunistic information for the Ukrainian Carpathians. Findings from Chernivtsi Region were previously mentioned in regional summaries and digitized collection datasets (Kaliuzhna, 2015; Babytskiy *et al.*, 2025), but without detailed discussion in the context of the Carpathian fauna.

This study **aims** to clarify the distribution of Aphidiinae in Chernivtsi Region based on revised collection material and to discuss these records in the broader context of the Carpathian fauna. The objectives of the study were:

- (1) to provide verified records of Aphidiinae species from mountain and lowland localities of the Ukrainian Carpathians;
- (2) to compare the obtained data with previous records from the Ukrainian Carpathians;
- (3) to clarify the current interpretation of representatives of the genera *Trioxys* Haliday, 1833 and *Binodoxys* Mackauer, 1960 in the regional fauna.

Materials and methods. The study is based on the examination of Aphidiinae material collected in Chernivtsi Region in 2008 by Dr. L. Tymochko (Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine). Specimens were identified by the author using the taxonomic keys of Tobias and Kyriyak (1986) and Davidian (2007).

The studied material originates from both mountain and lowland localities of the Bukovynian Carpathians and adjacent areas, including high-montane meadow habitats near the border of coniferous forests and deciduous forest habitats. The examined specimens are deposited in the collection of the I. I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine (SIZK).

Nomenclature and taxonomy follow current interpretations of Aphidiinae within Braconidae. Information on distribution was compiled from available literature sources and annotated catalogues (Tobias, Kyriyak, 1986; Zerova *et al.*, 1996; Zagorodniuk, Chumak, Zerova, 1997; Pokynchereda, 2003a; Kaliuzhna, 2015; Yu, van Achterberg, Horstmann, 2016; Babytskiy *et al.*, 2025).

Results and discussion. Four species of Aphidiinae belonging to three genera were recorded from Chernivtsi Region based on revised collection material. Two species (*Ephedrus niger* Gautier, Bonnamour et Gaumont, 1929 and *Binodoxys centaureae* (Haliday, 1833)) were collected in high-montane localities of the Bukovynian Carpathians at Mt Yarovytsia (1,820 m a. s. l.), whereas two other species (*Ephedrus plagiator* (Nees, 1811) and *Trioxys pallidus* Haliday, 1833) were recorded from foothill and lowland habitats near Horoshivtsi village. Below, information on the recorded species is provided.

Family BRACONIDAE Nees, 1811

Subfamily APHIDIINAE Haliday, 1833

Genus *Ephedrus* Haliday, 1833

Ephedrus niger Gautier, Bonnamour et Gaumont, 1929

= *Ephedrus aphidivora* (Rondani, 1848), = *Ephedrus campestris* Stary, 1962

Material. Ukraine, Chernivtsi Region, Putyla District, Mt Yarovytsia, 1,820 m a. s. l., meadow vegetation near the border of coniferous forest, 6.07.2008 (L. Tymochko) — 1 ♀ (SIZK).

Trophic specialization. Broad oligophagous.

Hosts. Aphids of the genera *Macrosiphoniella* and *Uroleucon*, as well as *Acyrtosiphon*, *Aphis*, *Dysaphis*, *Hyperomyzus*, *Macrosiphum*, *Megoura*, *Metopeurum*, *Microsiphoniella*, *Titanosiphon*, and *Uromelan* (Yu, van Achterberg, Horstmann, 2016).

Geographic distribution. Europe, North Africa (Algeria), the Caucasus (Georgia, Azerbaijan), Russia, the Middle East (Israel, Iran), Central Asia (Tajikistan), China, Mongolia, the Korean Peninsula, and India (Yu, van Achterberg, Horstmann, 2016).

Distribution in Ukraine. Previously recorded from Zakarpattia (Zerova *et al.*, 1996; Zagorodniuk, Chumak, Zerova, 1997; Pokynchereda, 2003a, 2003b), Kyiv, Mykolaiv, Kharkiv, and Chernivtsi regions (Kaliuzhna, 2015; Babytskiy *et al.*, 2025).

Remarks. The present record confirms its occurrence in the Bukovynian part of the Ukrainian Carpathians, including high-montane localities.

***Ephedrus plagiator* (Nees, 1811)**

= *Ephedrus homostigma* Fahringer, 1935, = *Ephedrus japonicus* Ashmead, 1906, = *Ephedrus parvicornis* (Nees, 1834)

Material. Ukraine, Chernivtsi Region, Zastavna District, vicinity of Horoshivtsi village, beech forest, 13.07.2008 (L. Tymochko) — 2 ♀♀ (SIZK).

Trophic specialization. Polyphagous.

Hosts. Aphids of the genera *Acyrtosiphon*, *Amphicercidus*, *Anoecia*, *Anuraphis*, *Aphis*, *Aulacorthum*, *Brachycaudus*, *Brachycorynella*, *Brachysiphoniella*, *Capitophorus*, *Cavariella*, *Ceratovacuna*, *Ceruraphis*, *Corylobium*, *Cryptomyzus*, *Cryptosiphum*, *Diuraphis*, *Dysaphis*, *Elatobium*, *Eriosoma*, *Hayhurstia*, *Hyadaphis*, *Hyalopteroides*, *Hyalopterus*, *Hyperomyzus*, *Hysteroneura*, *Impatientinum*, *Liosomaphis*, *Lipaphis*, *Macromyzus*, *Macrosiphoniella*, *Macrosiphum*, *Melanaphis*, *Metopolophium*, *Myzaphis*, *Myzocallis*, *Myzus*, *Nasonovia*, *Neorhopalomyzus*, *Ovatus*, *Pachypappa*, *Parachaitophorus*, *Pemphigus*, *Phorodon*, *Pleotrichophorus*, *Prociphilus*, *Rhopalomyzus*, *Rhopalosiphoninus*, *Rhopalosiphum*, *Sappaphis*, *Schizaphis*, *Sinomegoura*, *Sipha*, *Sitobion*, *Staticobium*, *Tetraneura*, *Toxoptera*, and *Uroleucon* (Yu, van Achterberg, Horstmann, 2016).

Geographic distribution. Europe, North Africa, the Caucasus, the Middle East, Central and East Asia, India, Australia, New Zealand, North and South America (Yu, van Achterberg, Horstmann, 2016).

Distribution in Ukraine. Previously recorded from Zakarpattia (Zerova *et al.*, 1996, Zagorodniuk, Chumak, Zerova, 1997; Pokynchereda, 2003a, 2003b); Poltava (Telenga, 1950), Kyiv, Kharkiv, Kherson, Chernivtsi Regions (Kaliuzhna, 2015; Babytskiy *et al.*, 2025), AR Crimea (Akhvlediani, 1983; Starý, 1965), and steppe zone of Ukraine (Berest, 1985).

Remarks. Studied material confirms the occurrence of the species in forest habitats of Chernivtsi Region.

Genus *Trioxys* Haliday, 1833

***Trioxys pallidus* Haliday, 1833**

= *Trioxys callipteri* (Marshall, 1896), = *Trioxys pulcher* Gautier et Bonnamour, 1924, = *Trioxys resolutus* (Nees, 1834)

Material. Ukraine, Chernivtsi Region, Zastavna District, vicinity of Horoshivtsi village, near a stream, 13.07.2008 (L. Tymochko) — 1 ♀ (SIZK).

Trophic specialization. Broad oligophagous.

Hosts. Aphids of the genera *Chromaphis*, *Eucallipterus*, *Hoplocallis*, *Monellia*, *Monelliopsis*, *Myzocallis*, *Panaphis*, *Pterocallis*, *Thelaxes*, *Therioaphis*, *Tinocallis*, *Tuberculatus*, and *Tuberculoides* (Yu, van Achterberg, Horstmann, 2016).

Geographic distribution. Europe, North Africa, the Caucasus, the Middle East, Central and East Asia, and North America (Yu, van Achterberg, Horstmann, 2016).

Distribution in Ukraine. Previously recorded from Kyiv and Chernivtsi regions (Kaliuzhna, 2015; Babytskiy *et al.*, 2025).

Remarks. This record is the first verified finding of the genus *Trioxys* s. str. in the Bukovynian part of the Ukrainian Carpathians.

Genus *Binodoxys* Mackauer, 1960

***Binodoxys centaureae* (Haliday, 1833)**

= *Binodoxys orientalis* (Starý et Schlinger, 1967), = *Binodoxys uroleucon* Takada et Rishi, 1980

Material. Ukraine, Chernivtsi Region, Putyla District, Mt Yarovytsia, 1,820 m a. s. l., meadow vegetation near the border of coniferous forest, 6.07.2008 (L. Tymochko) — 1 ♀ (SIZK).

Trophic specialization. Broad oligophagous.

Hosts. Aphids of the genera *Uroleucon*, *Macrosiphoniella*, and *Aphis*, as well as *Microlophium*, *Rhopalosiphum*, and *Sitobion* (Yu, van Achterberg, Horstmann, 2016).

Geographic distribution. Europe, North Africa (Algeria), the Caucasus, Central and East Asia, India, and Russia (Yu, van Achterberg, Horstmann, 2016).

Distribution in Ukraine. Kirovohrad, Cherkasy, and Chernivtsi regions (Kaliuzhna, 2015; Babytskiy *et al.*, 2025).

Remarks. Records of the genus *Binodoxys* from the Ukrainian Carpathians remain scarce. Previous mentions of *Binodoxys* (formerly treated within *Trioxys*) were based mainly on older literature sources (Tobias, Kyriyak, 1986) or brief publications without material citation (Pokynchereda, 2003a, 2003b). The studied specimen represents a documented high-montane record of *B. centaureae* from the Bukovynian Carpathians.

Two species recorded in the current study, *E. niger* and *E. plagiator*, were previously known for the Ukrainian Carpathians from the Carpathian Biosphere Reserve (Zerova *et al.*, 1996; Zagorodniuk, Chumak, Zerova, 1997; Pokynchereda, 2003a, 2003b). Their occurrence in Chernivtsi Region confirms a wider distribution of these common species within different parts of the Ukrainian Carpathians. Both taxa are characterized by broad trophic associations and occur in various natural habitats (Starý, 1965; Tobias, Kyriyak, 1986; Kaliuzhna, 2015).

Particular attention should be paid to representatives of the genera *Trioxys* and *Binodoxys*. Earlier records from the Ukrainian Carpathians included *Binodoxys similis* (Mackauer, 1959), although this species was listed under *Trioxys* in Pokynchereda (2003a, 2003b) according to the taxonomic interpretation used at that time. However, this species belongs to genus *Binodoxys* (Lazarević *et al.*, 2024). Consequently, the record of *T. pallidus* presented here represents the first verified record of the genus *Trioxys* s. str. for the Ukrainian Carpathians. Representatives of the genus *Binodoxys* were previously reported from Zakarpattia Region (Tobias, Kyriyak, 1986) and the Carpathian Biosphere Reserve (Pokynchereda, 2003a, 2003b), however, the number of findings was low. This record of *B. centaureae* confirms the occurrence of this species in the Bukovynian Carpathians, including high-montane localities at 1,820 m a. s. l.

The fauna of Aphidiinae in the Ukrainian Carpathians remains insufficiently investigated. According to available published data, 19 species belonging to seven genera were previously known from the region (Zerova *et al.*, 1996; Zagorodniuk, Chumak, Zerova, 1997; Pokynchereda, 2003a; Tobias, Kyriyak, 1986). This study increases this number to 21 species from eight genera. At the same time, the actual diversity of Aphidiinae in the Ukrainian Carpathians is probably considerably higher. In particular, Zagorodniuk, Chumak, and Zerova (1997) reported 176 species of aphids from the Carpathian Biosphere Reserve, whereas only a relatively small number of associated aphidiine parasitoids have so far been documented. This indicates that the Aphidiinae fauna of the Ukrainian Carpathians remains strongly underexplored and requires further targeted investigations, revision of historical material and bibliographic verification. Specimen-based records with precise locality data therefore remain especially valuable for clarifying the composition and distribution of the regional Aphidiinae fauna.

Conclusions. Four species of Aphidiinae were confirmed from Chernivtsi Region based on revised collection material from mountain and lowland localities of the Bukovynian Carpathians and adjacent territories. Two species, *E. niger* and *E. plagiator*, confirm the wider distribution of these taxa within the Ukrainian Carpathians. The record of *T. pallidus* represents the first verified occurrence of the genus *Trioxys* s. str. in the Ukrainian Carpathians, whereas the record of *B. centaureae* expands current knowledge of the distribution of this genus in the Bukovynian Carpathians, including high-montane localities. The results increase the number of verified Aphidiinae known from the Ukrainian Carpathians from 19 species in seven genera to 21 species in eight genera and clarify the current interpretation of the genera *Trioxys* and *Binodoxys* in the regional fauna.

Acknowledgments. This study was supported by the National Research Foundation of Ukraine (grant registration number 2025.07/0110). The author is sincerely grateful to Dr. L. Tymochko (Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine) for providing the material from Chernivtsi Region used in the present study.

Declaration of competing interest. The author declares that she has no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

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UDC 595.768.23(477-25)

DOI: 10.36016/KhESG-2026-34-1-3

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FIRST RECORD OF *OTIORHYNCHUS* (*CRATAEGODES*) *CRATAEGI* GERMAR, 1823 (COLEOPTERA: CURCULIONIDAE: ENTIMINAE) IN KYIV (UKRAINE)

Назаренко, В. Ю. Перша знахідка жука-довгоносика *Otiorhynchus* (*Crataegodes*) *crataegi* Germar, 1823 (Coleoptera: Curculionidae: Entiminae) в Києві (Україна). *Вісник Харківського ентомологічного товариства*. 2026. Т. XXXIV, вип. 1. С. 14–17. DOI: 10.36016/KhESG-2026-34-1-3.

Наведено відомості про першу знахідку *Otiorhynchus crataegi* у Києві. Раніше цей вид був достеменно відомий лише із заходу України (Закарпатської та Львівської областей) і АР Крим.

4 рис., 26 назв.

Ключові слова: Entiminae, жуки, довгоносики, Київ, фауна, розповсюдження.

Nazarenko, V. Yu. First record of *Otiorhynchus* (*Crataegodes*) *crataegi* Germar, 1823 (Coleoptera: Curculionidae: Entiminae) in Kyiv (Ukraine). *The Kharkiv Entomological Society Gazette*. 2026. Vol. XXXIV, iss. 1. P. 14–17. DOI: 10.36016/KhESG-2026-34-1-3.

Information about the first record of *Otiorhynchus crataegi* in Kyiv is provided. Previously, the species was known to exist in the western part of Ukraine (Lviv and Zakarpattia regions) and in AR Crimea.

4 figs, 26 refs.

Keywords: Entiminae, beetles, weevils, Kyiv, fauna, distribution.

Introduction. The genus *Otiorhynchus* Germar, 1822 comprises 1,420 species (Yunakov *et al.* 2026) distributed in the Palaearctic Region and adventive to the United States and Canada (Bright, Bouchard, 2008; BCMA, 2019; Alonso-Zarazaga *et al.*, 2024).

In Ukraine, 110 species are known (UkrBIN, 2026).

Otiorhynchus weevils are well-known and abundant in various habitats, including forests, shrublands, grasslands, steppes, parks, gardens, lawns, ruderal vegetation and even in orchards. While some species are considered pests (Petrukha, Globova, Stovbchatyy, 1988; Palm, 1990, 1998; Bright, Bouchard, 2008; Staverløkk, 2010; BCMA, 2019), others have no economic impact, and there are even poorly known and rare taxa among them (Yunakov *et al.*, 2018).

One such species is *Otiorhynchus* (*Crataegodes*) *crataegi* Germar, 1823, previously recorded in AR Crimea (Yunakov, 1998; Yunakov *et al.*, 2018) and later in the western part of Ukraine (GBIF, 2025; UkrBIN, 2025).

Materials and methods. Four female specimens of *O. crataegi* were collected in Kyiv, left bank of the Dnieper, Gorbachykha Urochishche in 2025. They were captured by manual collecting in plant debris and leaf litter sifting under broad-leaved shrubs and trees, especially *Amelanchier* and *Rosa*.

Taxonomy follows Alonso-Zarazaga *et al.* (2024). Images and GPS coordinates were obtained using ZTE Blade A7 smartphone with Geo-Tracker software v. 5.2.4.3219. Image editing was done with GIMP v. 2.8.4 (<https://download.gimp.org/gimp/v2.8>) and Inkscape v. 0.48.4 r9939 (<https://inkscape.org/release/inkscape-0.48.4>).

Mapping was performed using a modified relief map of Ukraine (<https://www.mapsland.com/europe/ukraine/large-relief-map-of-ukraine>), GBIF (<https://www.gbif.org/species/1194823>) and Google Maps (<https://www.google.com.ua/maps>).

The general distribution mapping data were obtained from Angelov (1976), Tempère and Pericart (1989), Palm (1998, 1990), Mazur (1993), Morris (1997), Mann and Ismay (2001), Białooki (2015), Yunakov *et al.* (2018, 2026), Nord (2022), Hoebeke, LaBonte, and Loeffler (2024), GBIF (2025), iNaturalist (2025), and UkrBIN (2025).

National distribution mapping data used are from Yunakov *et al.* (2018), GBIF (2025), and UkrBIN (2025). Information on the national distribution at region level follows the adopted standard of 3-letter codes established by Yunakov *et al.* (2018), where asterisk (*) marks a new record.

Abbreviation: SIZK — I. I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine.

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Received 09.04.2026

Accepted 05.06.2026 by Dr. K. S. Nadein

Published 25.06.2026

Results and discussions.

Family CURCULIONIDAE Latreille, 1802

Subfamily ENTIMINAE Schoenherr, 1823

Tribe OTIORHYNCHINI Schoenherr, 1826

Genus *Otiorhynchus* Germar, 1822

Subgenus *Crataegodes* Bialooki, 2015

Otiorhynchus crataegi Germar, 1823

References. Yunakov, 1998; Mann, Ismay, 2001; Bialooki, 2015; Yunakov *et al.*, 2018.

Material. Ukraine: Kyiv, left bank of the Dnieper, Gorbachykha Urochishche, plant debris, broad-leaved shrubs and forest, under *Amelanchier* and *Rosa*, N49.449312, E31.059976 — N49.449062, E31.059942, 14.07.2025 (V. Nazarenko) — 4 ♀♀ (SIZK) (Figs. 1–3).

Distribution. Europe, Caucasus, Turkey, adventive in the USA and Canada (Yunakov, 1998; Yunakov *et al.*, 2018, 2026; Alonso-Zarazaga *et al.*, 2024; GBIF, 2025) (Fig. 4). Ukraine: CRI KYI* LWI ZAK.

Biology. The species usually occurs in tree and shrub plant associations in the human settlements and their environs, in Crimea in montane forests (Yunakov, 2003, Yunakov *et al.*, 2018), where it feeds primarily on *Primula* (Yunakov, 2003), and also on *Crataegus* and *Quercus pubescens* Willd. (UkrBIN, 2025). In urban habitats, it appears to be polyphagous, frequently found on supposed host plants *Hedera* (Araliaceae), *Syringa* (Oleaceae), and near *Syringa vulgaris* L. and *Ligustrum ovalifolium* Hassk. (Oleaceae), *Prunus*, *Pyracantha*, *Rosa*, *Cotoneaster* (Rosaceae), *Symphoricarpos* (Caprifoliaceae), *Galium odoratum* L. (Scop.) (Rubiaceae) (Morris, 1997; Palm, 1990; 1998, Mann, Ismay, 2001, UkrBIN, 2025).

During the current study in Kyiv, all the specimens were found in Gorbachykha Urochishche on the left bank of the Dnieper in leaf litter and plant debris under *Amelanchier*, *Cerasus*, and *Rosa* near *Acer* and *Ulmus* in association with amphigonic *O. rotundus* Marseul, 1872 and parthenogenetic *O. ovatus* (Linnaeus, 1758). The feeding notches caused by adults of these species were observed in Kyiv only on leaf margins of *Amelanchier*, *Cerasus*, and *Rosa*, not on *Acer* and *Ulmus*.

The beetles are nocturnal, hiding during the day time in leaf litter near trees and shrubs. The species is univoltine, usually emerging in July, adults and larvae hibernate and can be found throughout the year, being most common in the autumn (Palm, 1998, confirmed by original data).

Otiorhynchus crataegi is parthenogenetic across most of its range, amphigonic populations are known only from Turkey: European part and western part of the Pontic Mountains (Mazur, 1993, Bialooki, 2015). It is recorded from 26 countries in the Western Palaearctic (Alonso-Zarazaga *et al.*, 2024) and was recently found in the USA (Hoebeke, LaBonte, Loeffer, 2024). Notably, Angelov (1976) mistakenly assumed that *O. crataegi* is restricted to the Balkan Peninsula. In Ukraine, this species was previously known only in Crimea for a long time (Yunakov, 1998; Yunakov *et al.*, 2018), recently in 2023 it was observed in Lviv by Andriy Zatushevsky and in Zakarpattia Region (Berehove env.) by Vasyl Hleba (UkrBIN, 2025), and in 2025 in Kyiv (original data). Current distribution of this species (Fig. 4), compared to the restricted primary range from which males have been reported (Mazur, 1993, Bialooki, 2015), indicates the high adaptive and dispersal potential of parthenogenetic weevil populations (Lanteri *et al.*, 2013; Rodriguez *et al.*, 2016, 2019).

Differential diagnosis. *Otiorhynchus crataegi* differs from superficially similar *O. rotundus* by its specific body shape with strongly constricted bases of short pronotum and twice as wide elytra, broad scales and the presence of short erected setae on interstriae.

Conclusions. The discovery of *O. crataegi* in Kyiv significantly expands the known range of the species to the north-east, confirming its rapid distribution in synanthropic areas (cities) in the central part of Ukraine. Likely, the species may also be found in other, especially neighboring regions of Ukraine.

Acknowledgments. The work was carried out within the framework of the planned scientific topic of the Department of Entomology and Scientific Fund Collections of the I. I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine 'Key Groups of Herbivorous and Predatory Insects of the Fauna of Ukraine: Taxonomy, Paleontology, Identification and Inventory (Taking into Account the Palearctic and World Fauna)' and supported by funding the scientific collections of the institute as a national heritage.

Declaration of competing interest. The author declares that he has no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.



Fig. 1. *O. crataegi*, ♀, dorsal view.



Fig. 2. *O. crataegi*, natural habitat.

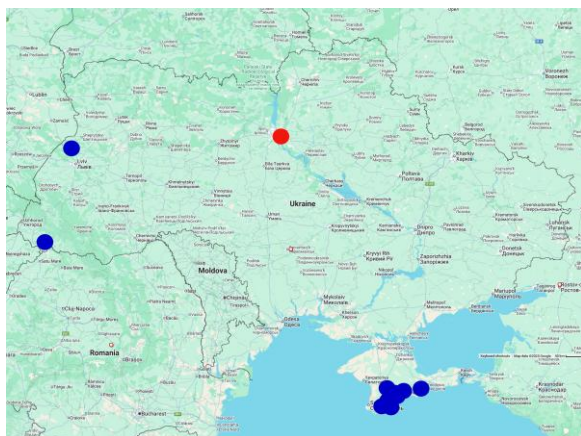


Fig. 3. The occurrences of *O. crataegi* in Ukraine: red dots — new records, blue dots — previously known records (UkrBIN, 2025, changed).



Fig. 4. Worldwide distribution of *O. crataegi* (GBIF, 2025). Records from the western part of Ukraine are not mapped by GBIF.

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UDC 595.763.33(477.86-751.2)

DOI: 10.36016/KhESG-2026-34-1-4

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CONTRIBUTION TO THE KNOWLEDGE OF ROVE BEETLES (COLEOPTERA: STAPHYLINIDAE) IN CONIFEROUS FORESTS OF THE CARPATHIAN NATIONAL NATURE PARK (IVANO-FRANKIVSK REGION, UKRAINE)

Глотов, С. В., Мотрук, Ю. Б., Дєдусь, В. І., Чумак, М. В., Дем'яненко, С. О., Дрогваленко, О. М., Гузь, Г. В., Киселюк, О. І., Заячук, В. Я., Кривошеєв, Р. Е. Внесок у вивчення жуків-стафілінід (Coleoptera: Staphylinidae) хвойних лісів Карпатського національного природного парку (Івано-Франківська область, Україна). *Вісник Харківського ентомологічного товариства*. 2026. Т. XXXIV, вип. 1. С. 18–40. DOI: 10.36016/KhESG-2026-34-1-4.

Стаття присвячена вивченню видового різноманіття стафілінід (Coleoptera: Staphylinidae) у хвойних лісах Карпатського національного природного парку. На основі матеріалів, зібраних під час польових досліджень у 2023–2024 рр., ідентифіковано 205 видів стафілінід, які належать до 17 підродин. З них 128 видів наводяться для фауни Карпатського національного природного парку вперше. Отримані дані істотно розширюють знання про ентомофауну Українських Карпат і можуть бути використані як для складання «Літопису природи» парку, так і для Державного кадастру тваринного світу України. 3 рис., 24 назв.

Ключові слова: фауна, біорізноманіття, Українські Карпати, нові знахідки.

Glotov, S. V., Motruk, Yu. B., Diedus, V. I., Chumak, M. V., Demyanenko, S. O., Drogvalenko, O. M., Gouz, G. V., Kyselyuk, O. I., Zayachuk, V. Ya., Krivosheyev, R. E. Contribution to the knowledge of rove beetles (Coleoptera: Staphylinidae) in coniferous forests of the Carpathian National Nature Park (Ivano-Frankivsk Region, Ukraine). *The Kharkiv Entomological Society Gazette*. 2026. Vol. XXXIV, iss. 1. P. 18–40. DOI: 10.36016/KhESG-2026-34-1-4.

The article investigates the species diversity of rove beetles (Coleoptera: Staphylinidae) within the coniferous forests of the Carpathian National Nature Park. Based on material collected during field surveys in 2023–2024, a total of 205 rove beetle species belonging to 17 subfamilies were identified. Of these, 128 species are recorded for the first time for the Carpathian National Nature Park's fauna. These findings significantly expand our knowledge of the entomofauna of the Ukrainian Carpathians and can be used to compile both the Carpathian National Nature Park's Chronicles of Nature and the State Cadastre of the Animal Kingdom of Ukraine. 3 figs, 24 refs.

Keywords: fauna, biodiversity, Ukrainian Carpathians, new records.

Introduction. Rove beetles (Coleoptera: Staphylinidae) are among the largest beetle families. To date, the world's fauna comprises more than 66,928 species belonging to 35 subfamilies and 4,038 genera (Newton, 2025). Over 1,300 species are known in the Ukrainian fauna (Glotov, 2021).

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Received 15.05.2026

Accepted 12.06.2026 by Dr. Yu. O. Guglya

Published 29.06.2026

Some progressive adaptive features of staphilinids have led to the emergence of specialized forms that successfully coexist with other animals, living in caves, mammal burrows, nests of birds and social insects. The majority of rove beetle larvae and adults are non-specialized predators that feed on a variety of invertebrates, acting as natural regulators. Fewer staphilinid species are mycophages or saprophages. The former feed on parts of the fruit body and fungal spores, while the latter feed on plant and animal remains, playing an active role in soil formation and the natural cycle of matter. Many rove beetles are characterized by their high abundance, clear habitat allocation, and sensitivity to environmental changes. These features make them valuable indicators of environmental pollution and ecosystem monitoring (Thayer, 2016).

To date, knowledge of the fauna in the protected areas of the Ukrainian Carpathians remains uneven. Before our research, 77 species of rove beetles had been recorded from the Carpathian National Nature Park (Chumak *et al.*, 2006; Kyselyuk *et al.*, 2009; Mateleshko *et al.*, 2009). Recent studies, based both on the analysis of museum collections (Glotov *et al.*, 2022a, 2022b, 2023) and field surveys initiated in 2022 (Motruk, 2025, 2026; Motruk, Chumak, 2024; Motruk, Glotov, 2025a–c; Motruk *et al.*, 2025a–d; Motruk, Chumak, Glotov, 2025), have significantly expanded our knowledge of the Staphylinidae family in the Carpathian National Nature Park.

The **aim** of the work is to summarize the available data, exclude doubtful or erroneous records, and compile an annotated checklist of rove beetles recorded in the Carpathian National Nature Park to date.

Materials and methods. **Study area.** The Carpathian National Nature Park is the oldest and one of the largest national nature parks in Ukraine. Its territory stretches 55 km from north to south and 20 km from west to east. The majority of the Carpathian National Nature Park's territory is located within altitudes of 500 to 2,000 m a.s.l. The highest point of Ukraine, the top of Mount Hoverla (2,061 m a.s.l.), is located within the Carpathian National Nature Park. In terms of its geographical location, the Carpathian National Nature Park is situated in the highest and most interesting area of the Gorgany massif. Most of its territory covers the upper reaches of the Prut River and its tributaries, as well as the Chornyi Cheremosh River basin. The Carpathian National Nature Park's most important objects of protection are natural forests, subalpine and alpine ecosystems of Chornohora, relict *Pinus cembra* stands preserved on the rocky plateaus of the Chornohora and Gorgany massifs, alpine landscapes with glacial holes, ramparts and lakes of glacial origin, and valuable botanical, geological, and morphological monuments. The most valuable areas were protected even before the territory was designated as a National Nature Park. However, various forms of anthropogenic impact have occurred over a large area, resulting in major changes in the natural structure of the vegetation (Kyselyuk *et al.*, 2009).

The material was collected from seven sample plots (SMPS 1–SMPS 7) established in the coniferous forests of the Carpathian National Nature Park (Fig. 1) (Kyselyuk *et al.*, 2009; Motruk, 2026). The selection and classification of the sample plots into primeval, natural (non-managed), and managed forests of different age classes were based on the standardized criteria of forest naturalness adapted for the Carpathian region (EEA, 2007).

Sample Plot 1 (SMPS 1) — the old-growth spruce forest plot is located on a southeastern slope at an altitude of 975 m a.s.l., within sub-compartment 10 of compartment 22 in the Pidlisnivske Research and Nature Development Section (hereinafter referred to as RNDS), in the vicinity of Mykulychyn village (48.357647 N, 24.634125 E). The forest canopy is characterized by high density, with the dominant story composed entirely of *Picea abies* (100%), alongside minor admixtures of *Abies alba*, *Fagus sylvatica*, and *Betula pendula*. The understory is well-developed, consisting of *A. alba* (60%) and *P. abies* (40%); this composition is attributed to the higher shade tolerance of *A. alba*, enabling its successful regeneration beneath the closed forest canopy.

Sample Plot 2 (SMPS 2) — the middle-aged spruce forest plot is located on a southwestern slope at an altitude of 820 m a.s.l., within sub-compartment 5 of compartment 11 in the Pidlisnivske RNDS, in the vicinity of Mykulychyn village (48.378711 N, 24.601081 E). The stand is represented by a pure monoculture of *P. abies* (100%). The understory is predominantly formed by young *P. abies* individuals. The shrub layer includes *Rubus idaeus*, *Rubus fruticosus*, and *Juniperus communis*, while the herbaceous layer is dominated by *Oxalis acetosella* and *Dryopteris austriaca*.

Sample Plot 3 (SMPS 3) — the declining old-growth fir-spruce forest plot is located on a southeastern slope at an altitude of 715 m a.s.l., within sub-compartment 5 of compartment 11 in the Yamnianske RNDS, in the vicinity of Mykulychyn village (48.412419 N, 24.589156 E). The stand age is approximately 100 years. The overstory is composed of *P. abies* (90%) and *A. alba* (10%), with a minor admixture of *F. sylvatica*. The shrub layer is represented by tree regeneration, while the herb-dwarf shrub layer is dominated by *Calamagrostis arundinacea* and *Calluna vulgaris*.

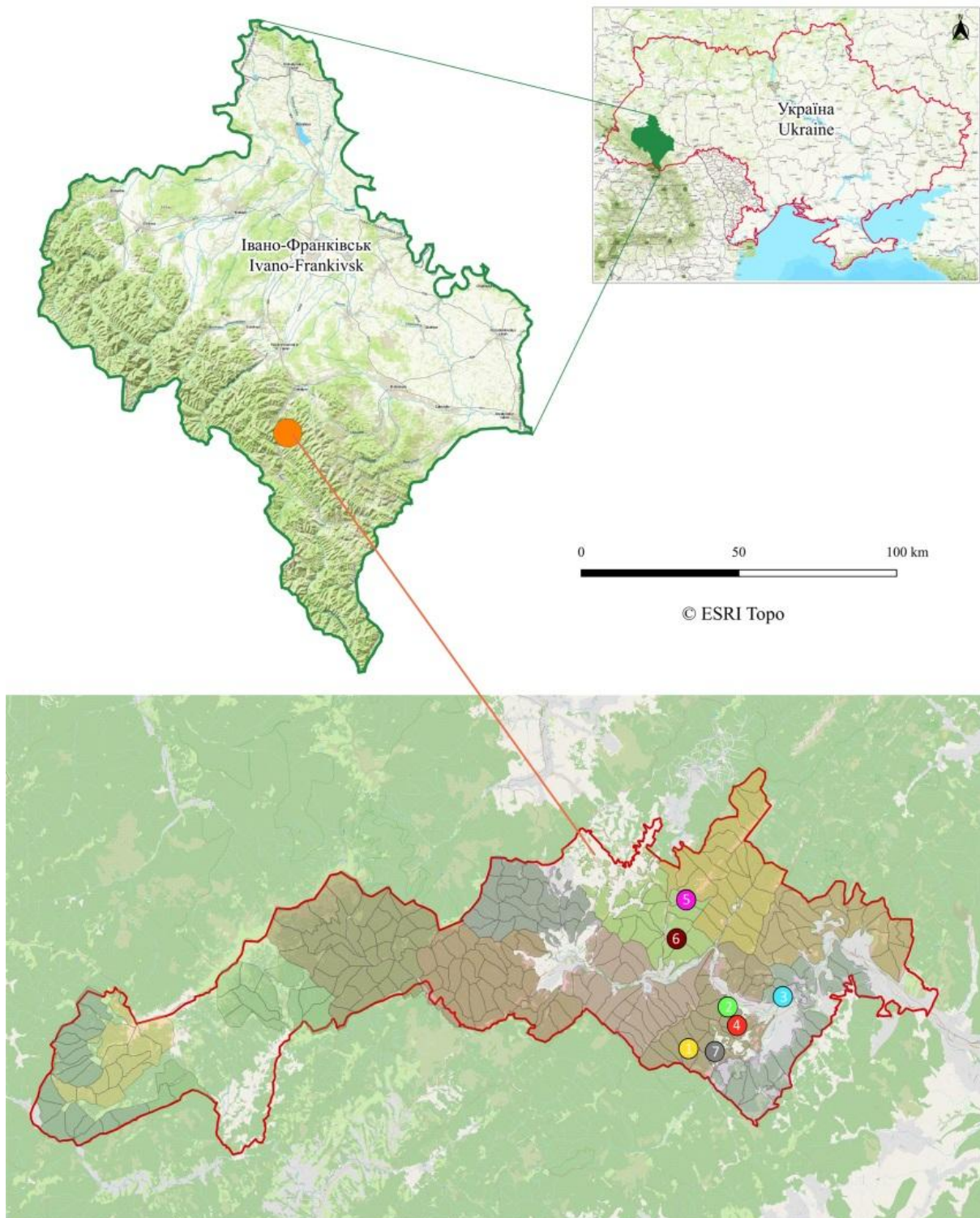


Fig. 1. Location of the study plots within the coniferous forests of the Carpathian National Nature Park investigated in 2023 and 2024: 1 — old-growth natural spruce forest plot (SMPS 1); 2 — middle-aged natural spruce forest plot (SMPS 2), 3 — declining old-growth natural fir-spruce forest plot (SMPS 3), 4 — primeval fir forest plot (SMPS 4), 5 — middle-aged commercial spruce forest plot (SMPS 5), 6 — primeval spruce forest plot (SMPS 6), 7 — old-growth commercial spruce-fir forest plot (SMPS 7).

Sample Plot 4 (SMPS 4) — the primeval fir forest plot is located on a western slope at an altitude of 760 m a.s.l., within sub-compartments 30 and 31 of compartment 13 in the Pidlisnivske RNDs, in the vicinity of Mykulychyn village (48.384000 N, 24.613367 E). This plot represents a reference primeval fir forest with an estimated age of about 190 years. The canopy consists almost exclusively of *A. alba* (100%), with a slight admixture of *P. abies* and *F. sylvatica*. The well-developed understory is primarily composed of young trees around 30 years old, with an 80:20 ratio of *A. alba* to *P. abies* and *F. sylvatica*. The undergrowth consists of *Corylus avellana*, *J. communis*, and *Sambucus nigra*. The herb-bryophyte layer includes *Asarum europaeum*, *Symphytum officinale*, and moss species such as *Brachythecium* sp. and *Plagiomnium* sp.

Sample Plot 5 (SMPS 5) — the middle-aged commercial spruce forest plot is located on a southwestern slope at an altitude of 1,000 m a.s.l., within sub-compartment 20 of compartment 3 in the Yablunyske RNDs, in the vicinity of Yablunysia village (48.353317 N, 24.513503 E). The stand is around 80 years old. The forest canopy is characterized by high density, with a 100% dominance of *P. abies*. Alongside, a minor admixture of *B. pendula* occurs primarily in forest gaps or well-lit areas. The understory consists of young *P. abies* trees, occurring singly or in small groups. *A. alba* prevails in shaded micro-sites, indicating natural forest succession dynamics and the potential for a future shift in dominant tree species. The shrub and herb layers feature *R. idaeus*, *R. fruticosus*, *O. acetosella*, *A. europaeum*, and scattered individuals of *Dryopteris filix-mas*. Mosses (*Hylocomium splendens*, *Pleurozium schreberi*) form a continuous bryophyte layer.

Sample Plot 6 (SMPS 6) — the primeval spruce forest plot is located on a southern slope at an altitude of 975 m a.s.l., within sub-compartment 2 of compartment 6 in the Yablunyske RNDs of the Carpathian National Nature Park, in the vicinity of Tatariv village (48.349783 N, 24.544597 E). The first canopy story is estimated to be about 170 years old and is composed entirely of *P. abies*. A minor admixture of *B. pendula*, present as solitary trees or small sun-lit groups, occurs mainly along the periphery of the plot. The understory is quite dense and well-developed. It is approximately 40 years old and is primarily composed of *P. abies* (70%) and *A. alba* (30%). The shrub layer is poorly developed. The herb-dwarf shrub layer is characterized by *Vaccinium myrtillus*, covering approximately 20% of the area. *O. acetosella* grows in shaded areas, accompanied by the mosses *P. schreberi* and *Hylocomium splendens*.

Sample Plot 7 (SMPS 7) — the old-growth commercial spruce-fir forest plot is located on a moderately steep northwestern slope at an altitude of 835 m a.s.l., within sub-compartment 19 of compartment 20 in the Pidlisnivske RNDs of the Carpathian National Nature Park, in the vicinity of Mykulychyn village (48.372464 N, 24.636042 E). The stand is approximately 100 years old. The forest canopy is dominated by *A. alba* (90%) and *P. abies* (10%), with an admixture of *F. sylvatica*. The understorey consists of a well-developed generation of young trees, primarily *A. alba* (60%), *P. abies* (20%), and *F. sylvatica* (20%). The shrub layer includes *Rubus* sp., *Rhamnus cathartica*, and young individuals of *P. abies*. The herb layer is represented by *O. acetosella* and *D. filix-mas*; the moss layer is formed by *Pleurozium* spp. and *Hylocomium* spp.

Collection method. The diversity of saproxylobiontic beetles within the coniferous forests of the Carpathian National Nature Park was investigated using two types of barrier traps (Figs 1, 2), which are considered highly effective for studying this group of organisms (Duelli, Obrist, Schmatz, 1999; Motruk, Glotov, 2025b).

In 2023, combined barrier traps and transparent window flight intercept traps (Polytrap type) were used, with four units of each trap type installed on each study plot (Fig. 2). In 2024, insect sampling was conducted using only transparent window flight intercept traps, but in greater quantities — 11 units per study plot (Fig. 3). All traps were set up annually and operated continuously (24/7) throughout the vegetation season, from early April to late September. The radius of the trap was 45 cm, and the height of the plates was 70 cm (Duelli, Obrist, Schmatz, 1999). A 4% formalin solution was used as the fixative for the traps. The material from the traps was removed monthly and transferred to 150 ml plastic jars with 70% ethanol.

The current taxonomic status, nomenclature, and general distribution of the species follow the GBIF Backbone Taxonomy (GBIF Secretariat, 2025). The geographical coordinates of localities and collecting sites are provided using Google Maps (www.google.com/maps).

The species were identified using an MBS-10 stereomicroscope. If necessary, the mandibles, genitalia, and other body parts of the beetle were dissected using thin dissecting needles. To clarify the material, the structures were either boiled or immersed in a 10% NaOH solution. The organs were then placed in a mounting medium containing either Canada balsam or Euparal for long-term storage (Motruk, Glotov, 2025b).

Detailed occurrence data for 2023 are available via GBIF (Motruk *et al.*, 2025b; Drogvalenko *et al.*, 2025).

The collected material is currently deposited in the private collections of M. Chumak (Uzhhorod), S. Glotov (Lviv), and Yu. Motruk (Mykulychyn).



2



3

Figs 2, 3. Traps used in the coniferous forests of the Carpathian National Nature Park during the fieldwork in 2023 and 2024: 2 — combined barrier trap; 3 — transparent Polytrap-type barrier trap.

Results and discussions. Based on the material collected during field studies conducted in 2023–2024 in the coniferous forests of the Carpathian National Nature Park, 205 rove beetle species belonging to 17 subfamilies were identified (Aleocharinae — 70 species, Mycetoporinae — 13, Olisthaerinae — 1, Omaliinae — 13, Oxyporinae — 1, Oxytelinae — 8, Paederinae — 3, Phloeocharinae — 1, Proteininae — 3, Pselaphinae — 20, Scaphidiinae — 8, Scydmaeninae — 8, Silphinae — 4, Staphylininae — 32, Steninae — 1, Tachyporinae — 14, Xantholininae — 6). Of these, 128 species are recorded for the first time for the fauna of the Carpathian National Nature Park (marked with an asterisk ‘*’ in the text and systematic list).

Family STAPHYLINIDAE Latreille, 1802

Subfamily ALEOCHARINAE Fleming, 1821

Genus *Aleochara* Gravenhorst, 1802

***Aleochara brevipennis* Gravenhorst, 1806**

References. Glotov, Hushtan, Rizun, 2023.

Material. SMPS 4: 21.05.2024 — 1 sp., 23.07.2024 — 1 sp.; SMPS 5: 12.06.2024 — 1 sp. SMPS 6: 19.05.2024 — 4 sp. SMPS 7: 20.05.2024 — 3 sp., 10.06.2024 — 3 sp.

***Aleochara curtula* (Goeze, 1777)**

References. Glotov, Hushtan, Rizun, 2023.

Material. SMPS 3: 29.06.2023 — 1 sp. SMPS 6: 21.07.2024 — 1 sp.

***Aleochara cuniculorum* Kraatz, 1858**

References. Motruk, Glotov, 2025a.

Material. SMPS 1: 13.06.2023 — 1 sp. SMPS 3: 09.10.2023 — 3 sp. SMPS 4: 19.05.2023 — 1 sp., 13.08.2024 — 1 sp. SMPS 5: 22.05.2024 — 2 sp., 03.07.2024 — 1 sp., 14.08.2024 — 1 sp. SMPS 6: 19.05.2024 — 4 sp., 09.06.2024 — 3 sp. SMPS 7: 20.05.2024 — 3 sp., 01.07.2024 — 4 sp.

***Aleochara diversa* (J. Sahlberg, 1876)**

References. Glotov, Hushtan, Rizun, 2023.

Material. SMPS 5: 22.05.2024 — 1 sp. SMPS 6: 30.06.2024 — 4 sp. SMPS 7: 02.09.2024 — 5 sp.

***Aleochara fumata* Gravenhorst, 1802**

References. Motruk, Glotov, 2025a.

Material. SMPS 4: 23.07.2024 — 1 sp. SMPS 6: 21.07.2024 — 1 sp.

***Aleochara inconspicua* Aubé, 1850 ***

Material. SMPS 1: 08.07.2023 — 1 sp.

***Aleochara lanuginosa* Gravenhorst, 1802**

References. Glotov, Hushtan, Rizun, 2023.

Material. SMPS 3: 09.10.2023 — 1 sp. SMPS 6: 09.06.2024 — 1 sp.

***Aleochara sparsa* Heer, 1839 ***

Material. SMPS 1: 30.07.2023 — 3 sp., 26.08.2023 — 2 sp., 08.10.2023 — 1 sp.

***Aloconota languida* (Erichson, 1837) ***

Material. SMPS 7: 10.06.2024 — 1 sp.

Genus *Amischa* Thomson, 1858

***Amischa analis* (Gravenhorst, 1802) ***

Material. SMPS 1: 20.05.2023 — 2 sp., 13.06.2023 — 2 sp., 08.07.2023 — 1 sp. SMPS 4: 21.05.2024 — 5 sp., 11.06.2024 — 1 sp., 13.06.2023 — 2 sp., 07.07.2023 — 1 sp. SMPS 5: 12.06.2024 — 3 sp., 03.07.2024 — 1 sp. SMPS 6: 19.05.2024 — 3 sp., 09.06.2024 — 1 sp. SMPS 7: 20.05.2024 — 1 sp., 01.07.2024 — 1 sp., 22.07.2024 — 1 sp., 12.08.2024 — 1 sp., 02.09.2024 — 1 sp.

Genus *Atheta* Thomson, 1858

***Atheta crassicornis* (Fabricius, 1792) ***

References. Glotov *et al.*, 2022a; Glotov, Hushtan, Rizun, 2023.

Material. SMPS 1: 30.07.2023 — 1 sp. SMPS 3: 09.10.2023 — 1 sp. SMPS 5: 12.06.2024 — 1 sp. SMPS 6: 19.05.2024 — 1 sp.

***Atheta dadopora* C. G. Thomson, 1867 ***

Material. SMPS 4: 21.05.2024 — 1 sp., 23.07.2024 — 1 sp.

***Atheta fungicola* (C. G. Thomson, 1852)**

References. Motruk, Glotov, 2025a.

Material. SMPS 4: 21.05.2024 — 5 sp. SMPS 6: 30.06.2024 — 1 sp.

***Atheta hybrida* (Sharp, 1869) ***

Material. SMPS 1: 13.06.2023 — 1 sp. SMPS 4: 21.05.2024 — 24 sp., 11.06.2024 — 23 sp. SMPS 5: 22.05.2024 — 14 sp., 12.06.2024 — 10 sp. SMPS 6: 19.05.2024 — 45 sp., 09.06.2024 — 5 sp. SMPS 7: 20.05.2024 — 20 sp., 10.06.2024 — 4 sp.

***Atheta lativentris* J. Sahlberg, 1876 ***

Material. SMPS 5: 24.07.2024 — 1 sp.

***Atheta liliputana* (Brisout de Barneville, 1860) ***

Material. SMPS 6: 09.06.2024 — 1 sp.

***Atheta picipes* (C. G. Thomson, 1856) ***

Material. SMPS 4: 21.05.2024 — 1 sp.

***Atheta sodalis* (Erichson, 1837) ***

References. Glotov, Hushtan, Rizun, 2023.

Material. SMPS 3: 29.06.2023 — 2 sp. SMPS 5: 22.05.2024 — 5 sp., 12.06.2024 — 3 sp. SMPS 6: 19.05.2024 — 1 sp.

***Atheta vaga* (Heer, 1839) ***

Material. SMPS 4: 21.05.2024 — 14 sp., 11.06.2024 — 12 sp., 23.07.2024 — 2 sp. SMPS 5: 22.05.2024 — 14 sp., 12.06.2024 — 6 sp., 24.07.2024 — 1 sp. SMPS 6: 19.05.2024 — 18 sp., 09.06.2024 — 27 sp., 30.06.2024 — 4 sp., 21.07.2024 — 2 sp. SMPS 7: 20.05.2024 — 25 sp., 10.06.2024 — 21 sp., 01.07.2024 — 2 sp., 22.07.2024 — 1 sp., 12.08.2024 — 1 sp.

Genus *Brundinia* Tottenham, 1949

***Brundinia meridionalis* (Mulsant et Rey, 1853) ***

Material. SMPS 2: 23.07.2023 — 1 sp.

Genus *Cyphea* Fauvel, 1863

***Cyphea curtula* (Erichson, 1837)**

References. Motruk, Glotov, 2025a.

Material. SMPS 4: 23.07.2024 — 1 sp. SMPS 6: 09.06.2024 — 2 sp. SMPS 7: 20.05.2024 — 1 sp.

Genus *Dadobia* Thomson, 1858

***Dadobia immersa* (Erichson, 1837) ***

Material. SMPS 6: 30.06.2024 — 1 sp.

Genus *Dinaraea* Thomson, 1858

***Dinaraea linearis* (Gravenhorst, 1802)**

References. Glotov, Hushtan, Rizun, 2023.

Material. SMPS 6: 21.07.2024 — 1 sp., 11.08.2024 — 1 sp.

Genus *Hydrosmeeta* Thomson, 1858

***Hydrosmeeta longula* (Heer, 1839) ***

Material. SMPS 5: 03.07.2024 — 1 sp.

Genus *Liogluta* Thomson, 1858

***Liogluta alpestris* (Heer, 1839) ***

Material. SMPS 2: 31.05.2023 — 1 sp.

***Liogluta granigera* (Kiesenwetter, 1850) ***

Material. SMPS 1: 08.07.2023 — 1 sp.

***Liogluta microptera* C. G. Thomson, 1867 ***

References. Motruk, Glotov, 2025a.

Material. SMPS 1: 20.05.2023 — 5 sp., 13.06.2023 — 2 sp., 08.07.2023 — 1 sp. SMPS 2: 29.06.2023 — 1 sp., 27.08.2023 — 2 sp. SMPS 4: 19.05.2023 — 2 sp., 21.05.2024 — 2 sp., 13.06.2023 — 3 sp. SMPS 5: 22.05.2024 — 24 sp., 12.06.2024 — 6 sp. SMPS 6: 19.05.2024 — 27 sp., 09.06.2024 — 3 sp. SMPS 7: 20.05.2024 — 1 sp.

Genus *Meotica* Mulsant et Rey, 1873

***Meotica exilis* (Gravenhorst, 1806) ***

Material. SMPS 4: 11.06.2024 — 1 sp. SMPS 5: 12.06.2024 — 1 sp. SMPS 6: 19.05.2024 — 2 sp.

Genus *Mocyta* Mulsant et Rey, 1874

***Mocyta fungi* (Gravenhorst, 1806)**

References. Glotov *et al.*, 2022b; Glotov, Hushtan, Rizun, 2023.

Material. SMPS 1: 20.05.2023 — 2 sp., 13.06.2023 — 3 sp., 08.07.2023 — 3 sp. SMPS 3: 09.10.2023 — 2 sp. SMPS 4: 21.05.2024 — 8 sp., 11.06.2024 — 1 sp., 13.06.2023 — 2 sp. SMPS 5: 12.06.2024 — 1 sp. SMPS 6: 19.05.2024 — 11 sp., 09.06.2024 — 31 sp.; 30.06.2024 — 2 sp. SMPS 7: 20.05.2024 — 8 sp., 10.06.2024 — 6 sp., 01.07.2024 — 2 sp.

Genus *Phloeopora* Erichson, 1837

***Phloeopora testacea* (Mannerheim, 1830) ***

Material. SMPS 7: 01.07.2024 — 1 sp.

Genus *Plataraea* Thomson, 1858

***Plataraea brunnea* (Fabricius, 1798)**

References. Glotov, Hushtan, Rizun, 2023.

Material. SMPS 1: 08.07.2023 — 4 sp. SMPS 2: 29.06.2023 — 1 sp. SMPS 3: 29.06.2023 — 3 sp. SMPS 4: 11.06.2024 — 15 sp., 07.07.2023 — 15 sp., 30.08.2023 — 1 sp. SMPS 5: 12.06.2024 — 1 sp., 03.07.2024 — 1 sp. SMPS 6: 09.06.2024 — 1 sp., 30.06.2024 — 1 sp. SMPS 7: 01.07.2024 — 27 sp., 22.07.2024 — 2 sp.

***Plataraea nigrifrons* (Erichson, 1839) ***

Material. SMPS 5: 14.08.2024 — 3 sp.

Genus *Pycnota* Mulsant et Rey, 1874

***Pycnota paradoxa* (Mulsant et Rey, 1861)**

Material. SMPS 4: 23.07.2024 — 1 sp.

Genus *Silusa* Erichson, 1837

***Silusa rubiginosa* Erichson, 1837 ***

Material. SMPS 6: 30.06.2024 — 2 sp.

Genus *Autalia* Leach, 1819

***Autalia puncticollis* Sharp, 1864**

References. Glotov, Hushtan, Rizun, 2023.

Material. SMPS 7: 20.05.2024 — 1 sp., 02.09.2024 — 1 sp.

Genus *Bolitochara* Mannerheim, 1830

***Bolitochara obliqua* Erichson, 1837**

References. Motruk, Glotov, 2025a.

Material. SMPS 2: 29.06.2023 — 1 sp. SMPS 4: 11.06.2024 — 3 sp. SMPS 7: 02.09.2024 — 1 sp.

***Bolitochara pulchra* (Gravenhorst, 1806)**

References. Motruk, Glotov, 2025a.

Material. SMPS 4: 21.05.2024 — 2 sp.

Genus *Euryusa* Erichson, 1837

***Euryusa castanoptera* Kraatz, 1856 ***

Material. SMPS 7: 01.07.2024 — 1 sp.

Genus *Brachida* Mulsant et Rey, 1871

***Brachida exigua* (Heer, 1839) ***

Material. SMPS 4: 23.07.2024 — 1 sp.

Genus *Gyrophana* Mannerheim, 1831

***Gyrophana affinis* Mannerheim, 1830**

References. Mateleshko *et al.*, 2009; Motruk, Glotov, 2025a.

Material. SMPS 1: 26.08.2023 — 1 sp., 08.10.2023 — 1 sp. SMPS 3: 29.06.2023 — 1 sp., 15.08.2023 — 1 sp. SMPS 4: 19.05.2023 — 1 sp., 11.06.2024 — 1 sp., 03.09.2024 — 4 sp. SMPS 5: 22.05.2024 — 2 sp., 24.07.2024 — 1 sp. SMPS 7: 01.07.2024 — 1 sp., 22.07.2024 — 3 sp., 12.08.2024 — 2 sp.

***Gyrophana boleti* (Linnaeus, 1758)**

References. Glotov, Hushtan, Rizun, 2023; Motruk, Glotov, 2025a.

Material. SMPS 4: 21.05.2024 — 2 sp., 11.06.2024 — 9 sp., 07.07.2023 — 1 sp., 23.07.2024 — 4 sp., 30.07.2023 — 6 sp. SMPS 5: 22.05.2024 — 4 sp., 12.06.2024 — 9 sp., 14.08.2024 — 1 sp. SMPS 6: 19.05.2024 — 22 sp., 09.06.2024 — 2 sp., 21.07.2024 — 1 sp. SMPS 7: 20.05.2024 — 9 sp., 10.06.2024 — 5 sp., 01.07.2024 — 1 sp., 22.07.2024 — 1 sp.

***Gyrophana gentilis* Erichson, 1839**

References. Mateleshko *et al.*, 2009; Motruk, Glotov, 2025a.

Material. SMPS 1: 20.05.2023 — 1 sp. SMPS 4: 19.05.2023 — 5 sp., 07.07.2023 — 5 sp. SMPS 5: 22.05.2024 — 3 sp. SMPS 6: 19.05.2024 — 2 sp. SMPS 7: 20.05.2024 — 3 sp.

***Gyrophana joyi* Wendeler, 1924 ***

Material. SMPS 4: 11.06.2024 — 1 sp.

***Gyrophana joyioides* Wüsthoff, 1937 ***

Material. SMPS 4: 23.07.2024 — 1 sp., 30.07.2023 — 2 sp. SMPS 5: 24.07.2024 — 1 sp., 14.08.2024 — 10 sp., 04.09.2024 — 3 sp.

***Gyrophana minima* Erichson, 1837 ***

Material. SMPS 5: 03.07.2024 — 1 sp., 14.08.2024 — 1 sp.

***Gyrophæna munsteri* A. Strand, 1935 ***

References. Motruk, Glotov, 2025b.

Material. SMPS 7: 10.06.2024 — 1 sp.

***Gyrophæna nana* (Paykull, 1800)**

References. Glotov, Hushtan, Rizun, 2023.

Material. SMPS 4: 23.07.2024 — 1 sp.

***Gyrophæna pulchella* Heer, 1839 ***

Material. SMPS 5: 24.07.2024 — 1 sp.

***Gyrophæna strictula* Erichson, 1839 ***

Material. SMPS 4: 11.06.2024 — 1 sp., 23.07.2024 — 1 sp., 13.08.2024 — 2 sp.

Genus *Encephalus* Stephens, 1832

***Encephalus complicans* Stephens, 1832 ***

Material. SMPS 4: 21.05.2024 — 1 sp., 30.07.2023 — 1 sp.

Genus *Leptusa* Kraatz, 1856

***Leptusa fumida* (Erichson, 1839)**

References. Motruk, Glotov, 2025a.

Material. SMPS 1: 13.06.2023 — 3 sp., 08.07.2023 — 2 sp. SMPS 2: 27.08.2023 — 1 sp. SMPS 4: 13.06.2023 — 4 sp., 07.07.2023 — 3 sp., 23.07.2024 — 2 sp., 30.07.2023 — 6 sp., 30.08.2023 — 1 sp. SMPS 5: 12.06.2024 — 4 sp. SMPS 6: 19.05.2024 — 2 sp., 30.06.2024 — 2 sp., 21.07.2024 — 6 sp., 11.08.2024 — 3 sp., 01.09.2024 — 1 sp. SMPS 7: 20.05.2024 — 8 sp., 10.06.2024 — 9 sp., 01.07.2024 — 4 sp., 22.07.2024 — 4 sp., 12.08.2024 — 7 sp., 02.09.2024 — 3 sp.

***Leptusa pulchella* (Mannerheim, 1830)**

References. Motruk, Glotov, 2025a.

Material. SMPS 1: 08.07.2023 — 1 sp., 26.08.2023 — 2 sp. SMPS 2: 31.05.2023 — 1 sp., 29.06.2023 — 5 sp., 23.07.2023 — 3 sp., 27.08.2023 — 1 sp. SMPS 3: 29.06.2023 — 10 sp., 22.07.2023 — 4 sp., 15.08.2023 — 4 sp., 09.10.2023 — 8 sp. SMPS 4: 21.05.2024 — 5 sp., 11.06.2024 — 33 sp., 13.06.2023 — 2 sp., 07.07.2023 — 4 sp., 23.07.2024 — 26 sp., 30.07.2023 — 2 sp., 13.08.2024 — 4 sp., 30.08.2023 — 2 sp., 03.09.2024 — 3 sp. SMPS 5: 22.05.2024 — 5 sp., 12.06.2024 — 8 sp., 03.07.2024 — 9 sp., 24.07.2024 — 4 sp., 14.08.2024 — 4 sp. SMPS 6: 19.05.2024 — 31 sp., 09.06.2024 — 22 sp., 30.06.2024 — 6 sp., 21.07.2024 — 3 sp., 11.08.2024 — 5 sp., 01.09.2024 — 1 sp. SMPS 7: 20.05.2024 — 13 sp., 10.06.2024 — 26 sp., 01.07.2024 — 19 sp., 22.07.2024 — 13 sp., 12.08.2024 — 19 sp., 02.09.2024 — 3 sp.

***Leptusa ruficollis* (Erichson, 1839) ***

References. Motruk, Glotov, 2025a.

Material. SMPS 4: 11.06.2024 — 5 sp., 23.07.2024 — 1 sp., 13.08.2024 — 1 sp. SMPS 5: 03.07.2024 — 4 sp., 24.07.2024 — 4 sp., 14.08.2024 — 1 sp. SMPS 6: 19.05.2024 — 1 sp. SMPS 7: 10.06.2024 — 2 sp.

Genus *Oligota* Mannerheim, 1830

***Oligota pumilio* Kiesenwetter, 1858 ***

Material. SMPS 1: 13.06.2023 — 1 sp., 08.07.2023 — 1 sp. SMPS 5: 12.06.2024 — 1 sp. SMPS 6: 19.05.2024 — 5 sp., 09.06.2024 — 4 sp., 30.06.2024 — 2 sp. SMPS 7: 20.05.2024 — 2 sp., 10.06.2024 — 3 sp.

***Oligota pusillima* (Gravenhorst, 1806)**

References. Motruk, Glotov, 2025a.

Material. SMPS 4: 21.05.2024 — 1 sp. SMPS 6: 30.06.2024 — 1 sp.

Genus *Alevonota* Thomson, 1858

***Alevonota hepatica* (Erichson, 1839)**

References. Mateleshko *et al.*, 2009: *Enalodroma*; Glotov, Hushtan, Rizun, 2023.

Material. SMPS 1: 20.05.2023 — 1 sp., 13.06.2023 — 1 sp., 08.07.2023 — 1 sp., 30.07.2023 — 1 sp., 26.08.2023 — 1 sp. SMPS 2: 31.05.2023 — 4 sp., 29.06.2023 — 2 sp. SMPS 3: 22.07.2023 — 1 sp., 09.10.2023 — 6 sp. SMPS 4: 19.05.2023 — 7 sp., 21.05.2024 — 59 sp., 11.06.2024 — 8 sp., 13.06.2023 — 1 sp., 13.08.2024 — 1 sp., 30.08.2023 — 1 sp. SMPS 5: 22.05.2024 — 8 sp., 12.06.2024 — 1 sp. SMPS 5: 19.05.2024 — 95 sp., 09.06.2024 — 19 sp., 30.06.2024 — 1 sp. SMPS 7: 20.05.2024 — 121 sp., 10.06.2024 — 36 sp.

***Alevonota rufotestacea* Kraatz, 1856 ***

Material. SMPS 1: 13.06.2023 — 1 sp., 30.07.2023 — 1 sp., 08.10.2023 — 1 sp. SMPS 4: 21.05.2024 — 2 sp., 13.06.2023 — 2 sp., 07.07.2023 — 2 sp. SMPS 5: 22.05.2024 — 2 sp., 12.06.2024 — 1 sp., 03.07.2024 — 1 sp. SMPS 6: 19.05.2024 — 3 sp. SMPS 7: 01.07.2024 — 2 sp.

Genus *Anomognathus* Solier, 1849

***Anomognathus cuspidatus* (Erichson, 1839)**

References. Mateleshko *et al.*, 2009; Motruk, Glotov, 2025a.

Material. SMPS 3: 29.06.2023 — 1 sp. SMPS 4: 11.06.2024 — 11 sp., 13.06.2023 — 3 sp., 23.07.2024 — 3 sp. SMPS 5: 03.07.2024 — 1 sp. SMPS 6: 19.05.2024 — 2 sp., 09.06.2024 — 2 sp., 30.06.2024 — 3 sp., 21.07.2024 — 1 sp. SMPS 7: 20.05.2024 — 8 sp., 10.06.2024 — 3 sp., 01.07.2024 — 2 sp.

Genus *Geostiba* Thomson, 1858

***Geostiba circellaris* (Gravenhorst, 1806)**

References. Glotov, Hushtan, Rizun, 2023.

Material. SMPS 1: 30.07.2023 — 1 sp. SMPS 5: 22.05.2024 — 2 sp. SMPS 6: 19.05.2024 — 2 sp.

Genus *Pella* Stephens, 1835

***Pella limbata* (Paykull, 1789)**

References. Motruk, Glotov, 2025a.

Material. SMPS 2: 31.05.2023 — 9 sp., 27.08.2023 — 1 sp. SMPS 3: 29.06.2023 — 11 sp., 22.07.2023 — 3 sp., 09.10.2023 — 145 sp. SMPS 4: 21.05.2024 — 4 sp., 11.06.2024 — 1 sp. SMPS 5: 22.05.2024 — 4 sp., 12.06.2024 — 1 sp.

Genus *Myllaena* Erichson, 1837

***Myllaena intermedia* Erichson, 1837 ***

Material. SMPS 4: 21.05.2024 — 1 sp. SMPS 6: 09.06.2024 — 2 sp.

Genus *Ischnoglossa* Kraatz, 1856

***Ischnoglossa prolixa* (Gravenhorst, 1802)**

References. Glotov, Hushtan, Rizun, 2023; Motruk, Glotov, 2025a.

Material. SMPS 1: 20.05.2023 — 1 sp., 08.07.2023 — 2 sp. SMPS 2: 29.06.2023 — 1 sp. SMPS 4: 19.05.2023 — 1 sp., 13.06.2023 — 1 sp., 07.07.2023 — 2 sp. SMPS 6: 19.05.2024 — 3 sp., 09.06.2024 — 4 sp. SMPS 7: 20.05.2024 — 1 sp., 01.07.2024 — 2 sp.

Genus *Haploglossa* Kraatz, 1856

***Haploglossa villosula* (Stephens, 1832)**

References. Motruk, Glotov, 2025a.

Material. SMPS 1: 20.05.2023 — 2 sp., 13.06.2023 — 1 sp., 08.07.2023 — 1 sp. SMPS 3: 09.10.2023 — 2 sp. SMPS 4: 21.05.2024 — 4 sp., 11.06.2024 — 7 sp., 13.06.2023 — 1 sp., 07.07.2023 — 2 sp., 30.08.2023 — 1 sp., 03.09.2024 — 1 sp., 09.10.2023 — 1 sp. SMPS 5: 22.05.2024 — 2 sp., 12.06.2024 — 4 sp. SMPS 6: 19.05.2024 — 19 sp., 09.06.2024 — 21 sp., 30.06.2024 — 3 sp., 11.08.2024 — 1 sp. SMPS 7: 20.05.2024 — 10 sp., 10.06.2024 — 6 sp., 01.07.2024 — 5 sp., 22.07.2024 — 2 sp.

Genus *Ilyobates* Kraatz, 1856

***Ilyobates nigricollis* (Paykull, 1800) ***

Material. SMPS 4: 11.06.2024 — 1 sp.

Genus *Ocalea* Erichson, 1837

***Ocalea concolor* Kiesenwetter, 1847 ***

Material. SMPS 3: 29.06.2023 — 1 sp. SMPS 4: 21.05.2024 — 5 sp.

Genus *Oxypoda* Mannerheim, 1830

***Oxypoda alternans* (Gravenhorst, 1802)**

References. Glotov, Hushtan, Rizun, 2023; Motruk, Glotov, 2025a.

Material. SMPS 1: 13.06.2023 — 1 sp. SMPS 4: 11.06.2024 — 12 sp. SMPS 5: 12.06.2024 — 14 sp. SMPS 6: 19.05.2024 — 8 sp., 09.06.2024 — 5 sp., 30.06.2024 — 1 sp. SMPS 7: 20.05.2024 — 1 sp., 10.06.2024 — 6 sp., 01.07.2024 — 6 sp., 22.07.2024 — 2 sp., 12.08.2024 — 1 sp.

***Oxypoda longipes* Mulsant et Rey, 1861 ***

Material. SMPS 5: 22.05.2024 — 7 sp.

***Oxypoda togata* Erichson, 1837 ***

Material. SMPS 4: 21.05.2024 — 1 sp. SMPS 5: 12.06.2024 — 4 sp. SMPS 6: 30.06.2024 — 1 sp., 21.07.2024 — 2 sp. SMPS 7: 01.07.2024 — 1 sp.

Genus *Placusa* Erichson, 1837

***Placusa atrata* (Mannerheim, 1830) ***

Material. SMPS 5: 14.08.2024 — 1 sp.

***Placusa complanata* Erichson, 1839 ***

Material. SMPS 6: 19.05.2024 — 7 sp., 09.06.2024 — 3 sp.

***Placusa tachyporoides* (Waltl, 1838)**

References. Motruk, Glotov, 2025a.

Material. SMPS 4: 19.05.2023 — 1 sp., 13.06.2023 — 16 sp., 07.07.2023 — 4 sp.

Subfamily MYCETOPORINAE Thomson, 1859

Genus *Bobitobus* Tottenham, 1939

***Bobitobus lunulatus* (Linnaeus, 1767)**

References. Chumak *et al.*, 2006: *Lordithon*; Mateleshko *et al.*, 2009: *Lordithon*.

Material. SMPS 1: 13.06.2023 — 1 sp., 08.07.2023 — 1 sp. SMPS 2: 31.05.2023 — 1 sp., 29.06.2023 — 2 sp., 27.08.2023 — 1 sp. SMPS 4: 21.05.2024 — 7 sp., 11.06.2024 — 4 sp., 30.08.2023 — 1 sp. SMPS 5: 22.05.2024 — 1 sp., 12.06.2024 — 1 sp., 04.09.2024 — 1 sp. SMPS 6: 19.05.2024 — 1 sp., 09.06.2024 — 1 sp. SMPS 7: 20.05.2024 — 8 sp., 10.06.2024 — 2 sp., 01.07.2024 — 1 sp., 22.07.2024 — 1 sp.

Genus *Bolitobius* Leach, 1819

***Bolitobius castaneus* (Stephens, 1832) ***

Material. SMPS 4: 11.06.2024 — 1 sp. SMPS 6: 19.05.2024 — 20 sp., 09.06.2024 — 3 sp. SMPS 7: 12.08.2024 — 1 sp.

Genus *Lordithon* Thomson, 1859

***Lordithon exoletus* (Erichson, 1839)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 4: 11.06.2024 — 2 sp.

***Lordithon speciosus* (Erichson, 1839)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 1: 26.08.2023 — 1 sp. SMPS 3: 09.10.2023 — 1 sp. SMPS 4: 21.05.2024 — 1 sp., 11.06.2024 — 1 sp. SMPS 5: 04.09.2024 — 1 sp.

***Lordithon thoracicus* (Fabricius, 1777) ***

Material. SMPS 5: 22.05.2024 — 1 sp. SMPS 7: 20.05.2024 — 2 sp., 01.07.2024 — 1 sp.

***Lordithon trimaculatus* (Fabricius, 1792)**

References. Chumak *et al.*, 2006; Mateleshko *et al.*, 2009.

Material. SMPS 5: 22.05.2024 — 1 sp.

***Lordithon trinotatus* (Erichson, 1839)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 1: 26.08.2023 — 2 sp. SMPS 2: 27.08.2023 — 1 sp. SMPS 3: 09.10.2023 — 2 sp. SMPS 4: 19.05.2023 — 1 sp., 21.05.2024 — 5 sp., 30.08.2023 — 1 sp. SMPS 5: 04.09.2024 — 1 sp. SMPS 6: 19.05.2024 — 1 sp.

Genus *Mycetoporus* Mannerheim, 1830

***Mycetoporus longulus* Mannerheim, 1830 ***

Material. SMPS 1: 13.06.2023 — 1 sp., 08.07.2023 — 4 sp., 30.07.2023 — 1 sp., 26.08.2023 — 1 sp. SMPS 2: 31.05.2023 — 2 sp., 23.07.2023 — 3 sp. SMPS 3: 29.06.2023 — 1 sp., 22.07.2023 — 4 sp., 09.10.2023 — 1 sp. SMPS 4: 21.05.2024 — 1 sp., 13.06.2023 — 2 sp., 07.07.2023 — 1 sp., 23.07.2024 — 1 sp., 30.07.2023 — 2 sp. SMPS 5: 22.05.2024 — 1 sp., 03.07.2024 — 1 sp.

SMPS 6: 09.06.2024 — 7 sp., 21.07.2024 — 7 sp., 11.08.2024 — 1 sp., 01.09.2024 — 1 sp. SMPS 7: 20.05.2024 — 4 sp., 10.06.2024 — 3 sp., 01.07.2024 — 1 sp., 22.07.2024 — 8 sp.

***Mycetoporus niger* Fairmaire et Laboulbène, 1856 ***

Material. SMPS 1: 13.06.2023 — 3 sp., 26.08.2023 — 1 sp. SMPS 2: 31.05.2023 — 3 sp. SMPS 3: 22.07.2023 — 1 sp., 09.10.2023 — 1 sp. SMPS 4: 21.05.2024 — 5 sp., 11.06.2024 — 27 sp., 13.06.2023 — 1 sp., 07.07.2023 — 3 sp., 23.07.2024 — 1 sp., 30.07.2023 — 1 sp. SMPS 5: 22.05.2024 — 4 sp., 12.06.2024 — 5 sp. SMPS 6: 19.05.2024 — 27 sp., 09.06.2024 — 10 sp. SMPS 7: 20.05.2024 — 16 sp., 10.06.2024 — 7 sp.

***Mycetoporus punctus* (Gravenhorst, 1806) ***

Material. SMPS 4: 11.06.2024 — 1 sp.

***Mycetoporus rufescens* (Stephens, 1832) ***

Material. SMPS 1: 13.06.2023 — 1 sp., 08.07.2023 — 1 sp. SMPS 2: 31.05.2023 — 2 sp., 29.06.2023 — 2 sp. SMPS 3: 29.06.2023 — 1 sp., 22.07.2023 — 1 sp., 09.10.2023 — 2 sp.

Genus *Parabolitobius* Li, Li-Zhen, Mei-Jun Zhao et Sakai, 2000

***Parabolitobius formosus* (Gravenhorst, 1806) ***

Material. SMPS 6: 19.05.2024 — 9 sp., 09.06.2024 — 1 sp., 30.06.2024 — 3 sp. SMPS 7: 20.05.2024 — 2 sp., 10.06.2024 — 2 sp.

***Parabolitobius inclinans* (Gravenhorst, 1806)**

References. Mateleshko *et al.*, 2009: *Bryocharis*.

Material. SMPS 6: 19.05.2024 — 1 sp.

Subfamily OLISTHAERINAE Thomson, 1858

Genus *Olisthaerus* Dejean, 1833

***Olisthaerus substriatus* (Paykull, 1790) ***

Material. SMPS 1: 08.07.2023 — 1 sp.

Subfamily OMALIINAE MacLeay, 1825

Genus *Amphichroum* Kraatz, 1857

***Amphichroum canaliculatum* (Erichson, 1840)**

References. Chumak *et al.*, 2006; Mateleshko *et al.*, 2009.

Material. SMPS 4: 21.05.2024 — 22 sp., 11.06.2024 — 2 sp., 13.06.2023 — 1 sp. SMPS 5: 22.05.2024 — 5 sp. SMPS 6: 19.05.2024 — 2 sp., 09.06.2024 — 3 sp. SMPS 7: 20.05.2024 — 24 sp., 10.06.2024 — 12 sp.

Genus *Anthobium* Leach, 1819

***Anthobium atrocephalum* (Gyllenhal, 1827)**

References. Mateleshko *et al.*, 2009: *Lathrimaeum*.

Material. SMPS 4: 21.05.2024 — 10 sp., 11.06.2024 — 1 sp. SMPS 7: 20.05.2024 — 12 sp.

Genus *Arpedium* Erichson, 1839

***Arpedium quadrum* (Gravenhorst, 1806) ***

Material. SMPS 4: 21.05.2024 — 1 sp.

Genus *Dropephylla* Mulsant et Rey, 1880

***Dropephylla ioptera* (Stephens, 1834) ***

Material. SMPS 4: 11.06.2024 — 1 sp., 23.07.2024 — 1 sp., 13.08.2024 — 1 sp. SMPS 7: 20.05.2024 — 1 sp., 10.06.2024 — 1 sp.

Genus *Lesteva* Latreille, 1797

***Lesteva longoelytrata* Goeze, 1777 ***

References. Mateleshko *et al.*, 2009.

Material. SMPS 1: 20.05.2023 — 1 sp., 30.07.2023 — 1 sp. SMPS 3: 09.10.2023 — 1 sp. SMPS 4: 19.05.2023 — 1 sp., 21.05.2024 — 7 sp. SMPS 5: 22.05.2024 — 1 sp., 12.06.2024 — 1 sp. SMPS 6: 19.05.2024 — 3 sp. SMPS 7: 20.05.2024 — 6 sp.

***Lesteva monticola* Kiesenwetter, 1847 ***

Material. SMPS 3: 09.10.2023 — 1 sp.

Genus *Eusphalerum* Kraatz, 1857

***Eusphalerum sorbi* (Gyllenhal, 1810) ***

Material. SMPS 1: 20.05.2023 — 15 sp., 13.06.2023 — 6 sp. SMPS 2: 31.05.2023 — 5 sp., 29.06.2023 — 1 sp. SMPS 3: 09.10.2023 — 1 sp. SMPS 4: 13.06.2023 — 5 sp. SMPS 6: 19.05.2024 — 3 sp., 09.06.2024 — 1 sp. SMPS 7: 20.05.2024 — 6 sp., 10.06.2024 — 1 sp.

Genus *Acrulia* Thomson, 1858

***Acrulia inflata* (Gyllenhal, 1813)**

References. Chumak *et al.*, 2006; Mateleshko *et al.*, 2009.

Material. SMPS 1: 08.07.2023 — 1 sp., 08.10.2023 — 1 sp. SMPS 3: 22.07.2023 — 1 sp. SMPS 4: 11.06.2024 — 2 sp., 13.06.2023 — 1 sp., 30.07.2023 — 1 sp., 03.09.2024 — 1 sp. SMPS 6: 30.06.2024 — 1 sp., 21.07.2024 — 1 sp., 11.08.2024 — 2 sp. SMPS 7: 10.06.2024 — 1 sp.

Genus *Hapalaraea* Thomson, 1858

***Hapalaraea pygmaea* (Paykull, 1800) ***

Material. SMPS 3: 09.10.2023 — 1 sp.

Genus *Omalium* Gravenhorst, 1802

***Omalium rivulare* (Paykull, 1789)**

References. Chumak *et al.*, 2006; Mateleshko *et al.*, 2009.

Material. SMPS 3: 09.10.2023 — 1 sp. SMPS 4: 19.05.2023 — 2 sp., 21.05.2024 — 6 sp., 07.07.2023 — 1 sp. SMPS 5: 12.06.2024 — 1 sp. SMPS 7: 20.05.2024 — 4 sp.

Genus *Phloeonomus* Heer, 1839

***Phloeonomus punctipennis* C. G. Thomson, 1867 ***

Material. SMPS 1: 30.07.2023 — 1 sp., 08.10.2023 — 2 sp. SMPS 3: 29.06.2023 — 1 sp., 22.07.2023 — 1 sp. SMPS 4: 21.05.2024 — 5 sp., 11.06.2024 — 1 sp. SMPS 5: 12.06.2024 — 2 sp. SMPS 6: 19.05.2024 — 2 sp., 01.09.2024 — 1 sp. SMPS 7: 20.05.2024 — 2 sp., 02.09.2024 — 3 sp.

***Phloeonomus pusillus* (Gravenhorst, 1806) ***

Material. SMPS 1: 13.06.2023 — 1 sp., 08.07.2023 — 6 sp. SMPS 2: 31.05.2023 — 2 sp. SMPS 4: 09.05.2023 — 1 sp., 19.05.2023 — 7 sp., 07.07.2023 — 8 sp., 30.07.2023 — 5 sp., 30.08.2023 — 4 sp.

Genus *Phloeostiba* Thomson, 1858

***Phloeostiba plana* (Paykull, 1792)**

References. Chumak *et al.*, 2006; *Phloeonomus*, Mateleshko *et al.*, 2009.

Material. SMPS 1: 13.06.2023 — 1 sp. SMPS 2: 31.05.2023 — 4 sp., 08.10.2023 — 1 sp. SMPS 3: 09.10.2023 — 5 sp. SMPS 4: 13.06.2023 — 2 sp., 07.07.2023 — 1 sp. SMPS 5: 12.06.2024 — 1 sp.

Subfamily OXYPORINAE Fleming, 1821

Genus *Oxyporus* Fabricius, 1775

***Oxyporus maxillosus* Fabricius, 1792**

References. Mateleshko *et al.*, 2009.

Material. SMPS 3: 29.06.2023 — 1 sp. SMPS 5: 24.07.2024 — 1 sp.

Subfamily OXYTELINAE Fleming, 1821

Genus *Carpelimus* Leach, 1819

***Carpelimus subtilis* (Erichson, 1839) ***

Material. SMPS 6: 19.05.2024 — 2 sp.

Genus *Coprophilus* Latreille, 1829

***Coprophilus striatulus* (Fabricius, 1792)**

References. Mateleshko *et al.*, 2009: *Elonium*.

Material. SMPS 7: 20.05.2024 — 1 sp.

Genus *Anotylus* Thomson, 1859

***Anotylus mutator* (Lohse, 1963) ***

Material. SMPS 1: 13.06.2023 — 1 sp. SMPS 3: 15.08.2023 — 1 sp. SMPS 4: 19.05.2023 — 1 sp., 21.05.2024 — 2 sp.
SMPS 5: 22.05.2024 — 1 sp. SMPS 6: 19.05.2024 — 4 sp., 09.06.2024 — 2 sp. SMPS 7: 20.05.2024 — 1 sp.

***Anotylus rugosus* (Fabricius, 1775) ***

Material. SMPS 6: 19.05.2024 — 1 sp.

***Anotylus tetracarlinatus* (Block, 1799)**

References. Chumak *et al.*, 2006, Mateleshko *et al.*, 2009.

Material. SMPS 4: 09.05.2023 — 1 sp. SMPS 4: 19.05.2023 — 1 sp.

Genus *Oxytelus* Gravenhorst, 1802

***Oxytelus piceus* (Linnaeus, 1767) ***

Material. SMPS 5: 03.07.2024 — 1 sp.

Genus *Platystethus* Mannerheim, 1830

***Platystethus arenarius* (Geoffroy, 1785) ***

Material. SMPS 5: 22.05.2024 — 1 sp.

Genus *Syntomium* Curtis, 1828

***Syntomium aeneum* (P. W. J. Müller, 1821)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 1: 08.07.2023 — 2 sp., 30.07.2023 — 1 sp., 26.08.2023 — 2 sp., 08.10.2023 — 16 sp. SMPS 2:
23.07.2023 — 3 sp. SMPS 3: 22.07.2023 — 18 sp., 15.08.2023 — 16 sp. SMPS 4: 11.06.2024 — 4 sp., 07.07.2023 — 2 sp., 23.07.2024 —
6 sp., 30.07.2023 — 3 sp., 13.08.2024 — 2 sp., 30.08.2023 — 1 sp., 03.09.2024 — 1 sp. SMPS 5: 03.07.2024 — 2 sp., 24.07.2024 — 1 sp.,
14.08.2024 — 1 sp., 04.09.2024 — 1 sp. SMPS 6: 30.06.2024 — 5 sp., 21.07.2024 — 9 sp., 01.09.2024 — 1 sp. SMPS 7: 22.07.2024 —
1 sp.

Subfamily PAEDERINAE Fleming, 1821

Genus *Lathrobium* Glavenhorst, 1802

***Lathrobium* sp. ***

Material. SMPS 2: 31.05.2023 — 1 sp., 08.10.2023 — 1 sp.

Genus *Rugilus* Samouelle, 1819

***Rugilus rufipes* Germar, 1836 ***

Material. SMPS 4: 21.05.2024 — 1 sp., 11.06.2024 — 3 sp. SMPS 5: 12.06.2024 — 1 sp. SMPS 6: 19.05.2024 — 6 sp.,
09.06.2024 — 6 sp. SMPS 7: 01.07.2024 — 1 sp.

Genus *Scopaeus* Erichson, 1839

***Scopaeus* sp. ***

Material. SMPS 6: 21.07.2024 — 1 sp.

Subfamily PHLOEOCHARINAE Erichson, 1839

Genus *Phloeocharis* Mannerheim, 1830

***Phloeocharis subtilissima* Mannerheim, 1830**

References. Mateleshko *et al.*, 2009.

Material. SMPS 2: 31.05.2023 — 2 sp. SMPS 4: 30.08.2023 — 1 sp.

Subfamily PROTEININAE Erichson, 1839

Genus *Megarathrus* Curtis, 1829

***Megarathrus depressus* (Paykull, 1789) ***

Material. SMPS 1: 20.05.2023 — 1 sp. SMPS 4: 19.05.2023 — 1 sp., 21.05.2024 — 1 sp., 13.06.2023 — 2 sp., 30.07.2023 — 1 sp. SMPS 5: 22.05.2024 — 2 sp., 04.09.2024 — 1 sp. SMPS 7: 20.05.2024 — 1 sp.

***Megarathrus hemipterus* (Illiger, 1794)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 1: 30.07.2023 — 1 sp. SMPS 5: 14.08.2024 — 1 sp.

Genus *Proteinus* Latreille, 1796

***Proteinus brachypterus* (Fabricius, 1792)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 1: 13.06.2023 — 1 sp., 08.10.2023 — 1 sp. SMPS 3: 09.10.2023 — 1 sp. SMPS 4: 19.05.2023 — 1 sp., 21.05.2024 — 2 sp., 30.08.2023 — 1 sp. SMPS 5: 22.05.2024 — 1 sp. SMPS 6: 09.06.2024 — 1 sp. SMPS 7: 20.05.2024 — 6 sp., 10.06.2024 — 1 sp., 02.09.2024 — 1 sp.

Subfamily PSELAPHINAE Latreille, 1802

Genus *Batrisodes* Reitter, 1882

***Batrisodes venustus* (Reichenbach, 1816) ***

Material. SMPS 3: 22.07.2023 — 1 sp. SMPS 4: 07.07.2023 — 2 sp.

Genus *Euplectus* Leach, 1817

***Euplectus bonvouloiri narentinus* Reitter, 1882 ***

Material. SMPS 4: 07.07.2023 — 1 sp.

***Euplectus brunneus* (Grimmer, 1841) ***

References. Mateleshko *et al.*, 2009.

Material. SMPS 1: 08.07.2023 — 1 sp. SMPS 4: 09.05.2023 — 1 sp., 07.07.2023 — 2 sp.

***Euplectus duponti* Aubé, 1833 ***

Material. SMPS 2: 31.05.2023 — 1 sp. SMPS 4: 07.07.2023 — 2 sp., 30.07.2023 — 2 sp.

***Euplectus infirmus* Raffray, 1910 ***

Material. SMPS 1: 30.07.2023 — 1 sp. SMPS 3: 15.08.2023 — 1 sp. SMPS 4: 21.05.2024 — 1 sp., 11.06.2024 — 2 sp., 30.07.2023 — 1 sp. SMPS 5: 03.07.2024 — 4 sp., 24.07.2024 — 1 sp. SMPS 6: 30.06.2024 — 1 sp.

***Euplectus karstenii* (Reichenbach, 1816) ***

Material. SMPS 4: 07.07.2023 — 1 sp.

***Euplectus mutator* Fauvel, 1895 ***

Material. SMPS 3: 29.06.2023 — 1 sp. SMPS 4: 07.07.2023 — 2 sp.

***Euplectus piceus* Motschulsky, 1835 ***

Material. SMPS 1: 13.06.2023 — 1 sp., 08.07.2023 — 1 sp. SMPS 2: 31.05.2023 — 1 sp. SMPS 4: 19.05.2023 — 2 sp., 21.05.2024 — 3 sp., 11.06.2024 — 5 sp., 13.06.2023 — 2 sp., 07.07.2023 — 3 sp., 23.07.2024 — 8 sp. SMPS 5: 22.05.2024 — 1 sp., 12.06.2024 — 14 sp., 03.07.2024 — 2 sp. SMPS 6: 19.05.2024 — 3 sp., 09.06.2024 — 11 sp., 30.06.2024 — 27 sp., 21.07.2024 — 17 sp. SMPS 7: 01.07.2024 — 4 sp., 22.07.2024 — 3 sp.

***Euplectus signatus* (Reichenbach, 1816) ***

Material. SMPS 1: 13.06.2023 — 1 sp., 08.07.2023 — 2 sp., 26.08.2023 — 2 sp., 08.10.2023 — 3 sp. SMPS 3: 09.10.2023 — 1 sp. SMPS 4: 11.06.2024 — 7 sp., 23.07.2024 — 2 sp., 30.07.2023 — 1 sp., 13.08.2024 — 1 sp. SMPS 5: 12.06.2024 — 6 sp., 03.07.2024 — 2 sp. SMPS 6: 09.06.2024 — 14 sp., 30.06.2024 — 3 sp., 11.08.2024 — 1 sp., 01.09.2024 — 2 sp. SMPS 7: 20.05.2024 — 1 sp.

Genus *Bibloporus* Thomson, 1859

***Bibloporus bicolor* (Denny, 1825)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 1: 20.05.2023 — 1 sp. SMPS 2: 23.07.2023 — 2 sp.

***Bibloporus mayeti* Guillebeau, 1888 ***

Material. SMPS 1: 13.06.2023 — 1 sp.

***Bibloporus minutus* Raffray, 1915**

References. Chumak *et al.*, 2006.

Material. SMPS 1: 20.05.2023 — 13 sp., 13.06.2023 — 19 sp., 08.07.2023 — 30 sp., 30.07.2023 — 3 sp., 26.08.2023 — 6 sp., 08.10.2023 — 2 sp. SMPS 3: 29.06.2023 — 3 sp., 15.08.2023 — 3 sp., 09.10.2023 — 5 sp. SMPS 4: 09.05.2023 — 1 sp., 19.05.2023 — 16 sp., 21.05.2024 — 32 sp., 11.06.2024 — 86 sp., 13.06.2023 — 3 sp., 07.07.2023 — 26 sp., 23.07.2024 — 9 sp., 30.07.2023 — 8 sp., 30.08.2023 — 5 sp., 03.09.2024 — 3 sp. SMPS 5: 22.05.2024 — 21 sp., 12.06.2024 — 58 sp., 03.07.2024 — 8 sp., 24.07.2024 — 4 sp., 14.08.2024 — 1 sp. SMPS 6: 19.05.2024 — 69 sp., 09.06.2024 — 166 sp., 30.06.2024 — 69 sp., 21.07.2024 — 23 sp., 11.08.2024 — 6 sp., 01.09.2024 — 4 sp. SMPS 7: 20.05.2024 — 45 sp., 10.06.2024 — 109 sp., 01.07.2024 — 38 sp., 22.07.2024 — 7 sp., 12.08.2024 — 5 sp., 02.09.2024 — 6 sp.

Genus *Bibloplectus* Reitter, 1882

***Bibloplectus tenebrosus* (Reitter, 1881) ***

Material. SMPS 4: 21.05.2024 — 1 sp., 11.06.2024 — 16 sp.

Genus *Trimium* Aubé, 1833

***Trimium carpathicum* Saulcy, 1875**

References. Mateleshko *et al.*, 2009.

Material. SMPS 4: 21.05.2024 — 8 sp., 11.06.2024 — 170 sp., 07.07.2023 — 9 sp., 23.07.2024 — 18 sp., 13.08.2024 — 2 sp., 03.09.2024 — 1 sp. SMPS 5: 12.06.2024 — 20 sp., 03.07.2024 — 13 sp., 24.07.2024 — 3 sp., 04.09.2024 — 2 sp. SMPS 6: 19.05.2024 — 1 sp., 30.06.2024 — 5 sp.

Genus *Plectophloeus* Reitter, 1891

***Plectophloeus fischeri* (Aubé, 1833) ***

Material. SMPS 4: 07.07.2023 — 1 sp., 30.08.2023 — 1 sp.

***Plectophloeus nitidus* (Fairmaire, 1858) ***

Material. SMPS 4: 11.06.2024 — 8 sp. SMPS 5: 03.07.2024 — 1 sp.

***Plectophloeus nubigena* (Reitter, 1877) ***

Material. SMPS 4: 07.07.2023 — 3 sp.

Genus *Brachygluta* Thomson, 1859

***Brachygluta trigonoprocta* (Ganglbauer, 1895) ***

Material. SMPS 3: 15.08.2023 — 1 sp.

Genus *Bryaxis* Kugelann, 1794

***Bryaxis frivaldszkyi* (Reitter, 1887)**

References. Chumak *et al.*, 2006; *slovenicus* Machulka, Mateleshko *et al.*, 2009.

Material. SMPS 1: 08.07.2023 — 3 sp. SMPS 2: 27.08.2023 — 1 sp. SMPS 3: 15.08.2023 — 2 sp. SMPS 4: 11.06.2024 — 12 sp., 07.07.2023 — 1 sp., 23.07.2024 — 1 sp., 30.08.2023 — 1 sp. SMPS 5: 12.06.2024 — 4 sp., 03.07.2024 — 1 sp., 24.07.2024 — 1 sp. SMPS 6: 19.05.2024 — 1 sp., 09.06.2024 — 2 sp., 30.06.2024 — 1 sp., 21.07.2024 — 1 sp., 11.08.2024 — 1 sp., 01.09.2024 — 2 sp. SMPS 7: 10.06.2024 — 1 sp.

***Bryaxis nigripennis* (Aubé, 1844)**

References. Chumak *et al.*, 2006, Mateleshko *et al.*, 2009.

Material. SMPS 1: 08.07.2023 — 1 sp. SMPS 4: 21.05.2024 — 2 sp., 11.06.2024 — 5 sp., 23.07.2024 — 2 sp., 13.08.2024 — 1 sp. SMPS 5: 12.06.2024 — 1 sp.

Subfamily SCAPHIDIINAE Latreille, 1806

Genus *Scaphidium* Olivier, 1790

***Scaphidium quadrimaculatum* G.-A. Olivier, 1790 ***

Material. SMPS 1: 30.07.2023 — 1 sp. SMPS 2: 29.06.2023 — 1 sp. SMPS 3: 09.06.2023 — 1 sp., 29.06.2023 — 5 sp. SMPS 4: 07.07.2023 — 1 sp., 11.06.2024 — 1 sp. SMPS 5: 03.07.2024 — 6 sp. SMPS 6: 09.06.2024 — 2 sp.

Genus *Scaphisoma* Leach, 1815

***Scaphisoma agaricinum* (Linnaeus, 1758) ***

Material. SMPS 6: 19.05.2024 — 2 sp., 09.06.2024 — 2 sp. SMPS 7: 20.05.2024 — 3 sp., 10.06.2024 — 1 sp.

***Scaphisoma assimile* Erichson, 1845 ***

Material. SMPS 4: 21.05.2024 — 2 sp. SMPS 6: 30.06.2024 — 1 sp. SMPS 7: 20.05.2024 — 1 sp.

***Scaphisoma boleti* (Panzer, 1793) ***

Material. SMPS 1: 08.07.2023 — 1 sp. SMPS 4: 30.07.2023 — 1 sp.

***Scaphisoma boreale* (Lundblad, 1952) ***

Material. SMPS 2: 27.08.2023 — 1 sp. SMPS 3: 09.06.2023 — 3 sp., 29.06.2023 — 1 sp., 22.07.2023 — 1 sp. SMPS 4: 13.06.2023 — 1 sp., 30.07.2023 — 1 sp.

***Scaphisoma inopinatum* (Löbl, 1967) ***

Material. SMPS 1: 08.07.2023 — 2 sp. SMPS 4: 30.07.2023 — 1 sp. SMPS 5: 22.05.2024 — 1 sp. SMPS 6: 19.05.2024 — 1 sp.

***Scaphisoma limbatum* Erichson, 1845 ***

Material. SMPS 2: 23.07.2023 — 1 sp.

***Scaphisoma subalpinum* Reitter, 1881 ***

Material. SMPS 1: 20.05.2023 — 2 sp. SMPS 2: 23.07.2023 — 1 sp. SMPS 3: 09.06.2023 — 1 sp., 22.07.2023 — 1 sp. SMPS 4: 19.05.2023 — 2 sp., 07.07.2023 — 1 sp., 30.07.2023 — 1 sp.

Subfamily SCYDMAENINAE Leach, 1815

Genus *Cephennium* Müller et Kunze, 1822

***Cephennium carpathicum* Saulcy, 1878 ***

Material. SMPS 5: 24.07.2024 — 1 sp.

Genus *Euconnus* Thomson, 1859

***Euconnus denticornis* (P. W. J. Müller et Kunze, 1822) ***

Material. SMPS 6: 19.05.2024 — 1 sp.

Genus *Eutheia* Stephens, 1830

***Eutheia linearis* Mulsant et Rey, 1861 ***

Material. SMPS 4: 11.06.2024 — 1 sp., 13.08.2024 — 1 sp.

Genus *Neuraphes* Thomson, 1862

***Neuraphes elongatulus* (P. W. J. Müller et Kunze, 1822)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 5: 12.06.2024 — 2 sp. SMPS 6: 09.06.2024 — 3 sp. SMPS 7: 20.05.2024 — 1 sp.

Genus *Scydmoraphes* Reitter, 1859

***Scydmoraphes minutus* (Chaudoir, 1845) ***

Material. SMPS 4: 02.07.2024 — 1 sp.

Genus *Stenichnus* Thomson, 1859

***Stenichnus bicolor* (Denny, 1825) ***

Material. SMPS 6: 19.05.2024 — 1 sp., 30.06.2024 — 1 sp., 21.07.2024 — 2 sp.

***Stenichnus carpathicus* Lokay, 1921**

Material. SMPS 6: 19.05.2024 — 5 sp., 21.07.2024 — 1 sp. SMPS 7: 20.05.2024 — 1 sp., 22.07.2024 — 1 sp.

***Stenichnus godarti* (Latreille, 1806) ***

Material. SMPS 4: 11.06.2024 — 1 sp., 13.08.2024 — 1 sp. SMPS 5: 03.07.2024 — 1 sp.

Subfamily SILPHINAE Latreille, 1806

Genus *Oiceoptoma* Leach, 1815

***Oiceoptoma thoracicum* (Linnaeus, 1758)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 2: 23.07.2023 — 1 sp. SMPS 3: 15.08.2023 — 1 sp. SMPS 5: 24.07.2024 — 1 sp.

Genus *Nicrophorus* Fabricius, 1775

***Nicrophorus humator* (Gleditsch, 1767)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 4: 21.05.2024 — 1 sp.

***Nicrophorus interruptus* (Stephens, 1830) ***

Material. SMPS 7: 02.09.2024 — 3 sp.

***Nicrophorus vespilloides* Herbst, 1783**

References. Chumak *et al.*, 2006; *Nicrophorus*, Mateleshko *et al.*, 2009.

Material. SMPS 4: 30.07.2023 — 1 sp., 11.06.2024 — 1 sp. SMPS 5: 12.06.2024 — 1 sp. SMPS 6: 19.05.2024 — 2 sp., 09.06.2024 — 2 sp., 30.06.2024 — 2 sp., 21.07.2024 — 6 sp. SMPS 7: 10.06.2024 — 3 sp., 01.07.2024 — 2 sp., 22.07.2024 — 4 sp., 02.09.2024 — 2 sp.

Subfamily STAPHYLININAE Latreille, 1802

Genus *Bisnius* Stephens, 1829

***Bisnius fimetarius* (Gravenhorst, 1802)**

References. Mateleshko *et al.*, 2009; *Philonthus*.

Material. SMPS 1: 20.05.2023 — 2 sp. SMPS 3: 09.10.2023 — 3 sp. SMPS 4: 09.05.2023 — 1 sp., 19.05.2023 — 1 sp., 21.05.2024 — 4 sp., 11.06.2024 — 3 sp., 23.07.2024 — 1 sp. SMPS 5: 22.05.2024 — 11 sp., 12.06.2024 — 1 sp., 04.09.2024 — 1 sp. SMPS 6: 19.05.2024 — 5 sp., 09.06.2024 — 2 sp. SMPS 7: 10.06.2024 — 3 sp., 01.07.2024 — 4 sp.

***Bisnius pseudoparcus* (Brunner, 1976) ***

Material. SMPS 4: 21.05.2024 — 7 sp.

Genus *Ontholestes* Ganglbauer, 1895

***Ontholestes murinus* (Linnaeus, 1758) ***

Material. SMPS 4: 11.06.2024 — 1 sp.

***Ontholestes tessellatus* (Geoffroy, 1785) ***

Material. SMPS 4: 03.09.2024 — 1 sp.

Genus *Philonthus* Stephens, 1829

***Philonthus addendus* Sharp, 1867 ***

Material. SMPS 1: 08.07.2023 — 1 sp. SMPS 4: 23.07.2024 — 5 sp., 13.08.2024 — 1 sp. SMPS 5: 24.07.2024 — 3 sp., 04.09.2024 — 1 sp. SMPS 6: 21.07.2024 — 1 sp. SMPS 7: 20.05.2024 — 3 sp.

***Philonthus cyanipennis* (Fabricius, 1792) ***

Material. SMPS 5: 12.06.2024 — 1 sp.

***Philonthus decorus* (Gravenhorst, 1802)**

References. Chumak *et al.*, 2006; Mateleshko *et al.*, 2009.

Material. SMPS 1: 08.07.2023 — 1 sp. SMPS 2: 31.05.2023 — 1 sp., 23.07.2023 — 1 sp., 27.08.2023 — 1 sp.

***Philonthus politus* (Linnaeus, 1758) ***

Material. SMPS 2: 29.06.2023 — 1 sp. SMPS 4: 19.05.2023 — 1 sp.

***Philonthus succicola* C. G. Thomson, 1860**

References. Mateleshko *et al.*, 2009.

Material. SMPS 4: 23.07.2024 — 1 sp. SMPS 6: 19.05.2024 — 1 sp., 30.06.2024 — 1 sp.

Genus *Gabrius* Stephens, 1829

***Gabrius breviventer* (Sperk, 1835)**

References. Mateleshko *et al.*, 2009: *pennatus* Sharp, 1910.

Material. SMPS 4: 21.05.2024 — 1 sp.

***Gabrius exspectatus* Smetana, 1952 ***

Material. SMPS 2: 29.06.2023 — 1 sp. SMPS 3: 29.06.2023 — 1 sp., 09.10.2023 — 2 sp.

Genus *Quedius* Stephens, 1829

***Quedius boops* (Gravenhorst, 1802) ***

Material. SMPS 4: 21.05.2024 — 1 sp. SMPS 5: 22.05.2024 — 1 sp., 12.06.2024 — 1 sp., 24.07.2024 — 1 sp., 04.09.2024 — 1 sp. SMPS 6: 19.05.2024 — 7 sp., 09.06.2024 — 6 sp., 21.07.2024 — 1 sp. SMPS 7: 20.05.2024 — 15 sp., 10.06.2024 — 2 sp., 01.07.2024 — 2 sp.

***Quedius cinctus* (Paykull, 1790) ***

Material. SMPS 3: 09.10.2023 — 3 sp. SMPS 5: 12.06.2024 — 1 sp. SMPS 7: 20.05.2024 — 4 sp.

***Quedius curtipennis* Bernhauer, 1908 ***

Material. SMPS 7: 10.06.2024 — 1 sp.

***Quedius fuliginosus* (Gravenhorst, 1802) ***

Material. SMPS 1: 26.08.2023 — 1 sp.

***Quedius fumatus* (Stephens, 1833) ***

Material. SMPS 2: 31.05.2023 — 1 sp. SMPS 4: 21.05.2024 — 4 sp. SMPS 5: 22.05.2024 — 2 sp.

***Quedius humeralis* Stephens, 1832 ***

Material. SMPS 3: 29.06.2023 — 1 sp.

***Quedius lateralis* (Gravenhorst, 1802)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 7: 22.07.2024 — 1 sp.

***Quedius levicollis* (Brullé, 1832) ***

Material. SMPS 3: 09.10.2023 — 3 sp.

***Quedius limbatus* (Heer, 1839) ***

Material. SMPS 4: 30.08.2023 — 1 sp.

***Quedius longicornis* Kraatz, 1857 ***

Material. SMPS 4: 21.05.2024 — 3 sp., 11.06.2024 — 1 sp. SMPS 6: 19.05.2024 — 1 sp.

***Quedius lucidulus* Erichson, 1839 ***

References. Mateleshko *et al.*, 2009.

Material. SMPS 1: 20.05.2023 — 2 sp. SMPS 2: 31.05.2023 — 1 sp., 23.07.2023 — 1 sp., 08.10.2023 — 1 sp. SMPS 3: 29.06.2023 — 2 sp., 22.07.2023 — 4 sp., 15.08.2023 — 2 sp., 09.10.2023 — 3 sp. SMPS 4: 19.05.2023 — 4 sp., 21.05.2024 — 9 sp., 11.06.2024 — 5 sp., 13.06.2023 — 6 sp., 07.07.2023 — 1 sp., 30.07.2023 — 1 sp. SMPS 5: 22.05.2024 — 4 sp., 12.06.2024 — 6 sp. SMPS 6: 19.05.2024 — 20 sp., 09.06.2024 — 11 sp. SMPS 7: 20.05.2024 — 23 sp., 10.06.2024 — 7 sp., 01.07.2024 — 2 sp., 02.09.2024 — 1 sp.

***Quedius meridiocarpaticus* Smetana, 1958 ***

Material. SMPS 1: 30.07.2023 — 2 sp., 26.08.2023 — 1 sp. SMPS 3: 09.10.2023 — 1 sp. SMPS 4: 21.05.2024 — 1 sp. SMPS 5: 12.06.2024 — 1 sp.

***Quedius mesomelinus* (Marsham, 1802)**

References. Chumak *et al.*, 2006, Mateleshko *et al.*, 2009.

Material. SMPS 1: 08.07.2023 — 1 sp. SMPS 5: 22.05.2024 — 3 sp. SMPS 6: 19.05.2024 — 6 sp. SMPS 7: 10.06.2024 — 2 sp.

***Quedius paradisianus* (Heer, 1839)**

References. Chumak *et al.*, 2006, Mateleshko *et al.*, 2009.

Material. SMPS 1: 13.06.2023 — 2 sp. SMPS 2: 31.05.2023 — 1 sp. SMPS 3: 22.07.2023 — 1 sp. 09.10.2023 — 3 sp. SMPS 4: 19.05.2023 — 1 sp., 21.05.2024 — 1 sp., 11.06.2024 — 7 sp., 13.06.2023 — 2 sp., 07.07.2023 — 1 sp., 30.07.2023 — 1 sp.,

30.08.2023 — 1 sp., 09.10.2023 — 1 sp. SMPS 5: 22.05.2024 — 3 sp., 12.06.2024 — 4 sp., 03.07.2024 — 1 sp. SMPS 6: 19.05.2024 — 2 sp. SMPS 7: 20.05.2024 — 6 sp., 10.06.2024 — 8 sp.

***Quedius scintillans* (Gravenhorst, 1806) ***

Material. SMPS 2: 31.05.2023 — 1 sp.

***Quedius truncicola* Fairmaire et Laboulbène, 1856 ***

Material. SMPS 6: 19.05.2024 — 1 sp.

***Quedius umbrinus* Erichson, 1839 ***

Material. SMPS 4: 21.05.2024 — 1 sp.

Genus *Quedionuchus* Sharp, 1884

***Quedionuchus plagiatus* (Mannerheim, 1843)**

References. Chumak *et al.*, 2006: *Quedius*; Mateleshko *et al.*, 2009: *Quedius*.

Material. SMPS 4: 23.07.2024 — 1 sp.

Subfamily STENINAE MacLeay, 1825

Genus *Stenus* Latreille, 1796

***Stenus obscuripes* Ganglbauer, 1896**

References. Mateleshko *et al.*, 2009.

Material. SMPS 6: 19.05.2024 — 1 sp.

Subfamily TACHYPORINAE MacLeay, 1825

Genus *Sepedophilus* Gistel, 1856

***Sepedophilus immaculatus* (Stephens, 1832) ***

Material. SMPS 1: 08.07.2023 — 1 sp.

***Sepedophilus littoreus* (Linnaeus, 1758) ***

Material. SMPS 3: 22.07.2023 — 1 sp. SMPS 4: 21.05.2024 — 1 sp., 11.06.2024 — 1 sp., 23.07.2024 — 1 sp.

***Sepedophilus testaceus* (Fabricius, 1792) ***

Material. SMPS 1: 08.07.2023 — 1 sp.

Genus *Tachinus* Gravenhorst, 1802

***Tachinus corticinus* Gravenhorst, 1802 ***

Material. SMPS 2: 29.06.2023 — 1 sp., 27.08.2023 — 2 sp.

***Tachinus humeralis* Gravenhorst, 1802 ***

Material. SMPS 1: 08.07.2023 — 1 sp. SMPS 2: 31.05.2023 — 2 sp. SMPS 3: 09.10.2023 — 4 sp. SMPS 4: 11.06.2024 — 1 sp. SMPS 6: 09.06.2024 — 1 sp.

***Tachinus laticollis* Gravenhorst, 1802 ***

Material. SMPS 6: 19.05.2024 — 1 sp.

***Tachinus lignorum* (Linnaeus, 1758) ***

Material. SMPS 1: 08.07.2023 — 1 sp.

***Tachinus pallipes* (Gravenhorst, 1806) ***

Material. SMPS 1: 20.05.2023 — 2 sp., 13.06.2023 — 1 sp., 08.07.2023 — 1 sp. SMPS 2: 31.05.2023 — 1 sp., 29.06.2023 — 1 sp. SMPS 4: 19.05.2023 — 1 sp., 21.05.2024 — 6 sp., 11.06.2024 — 4 sp., 13.06.2023 — 1 sp., 07.07.2023 — 1 sp. SMPS 5: 22.05.2024 — 10 sp., 12.06.2024 — 1 sp., 03.07.2024 — 1 sp., 14.08.2024 — 1 sp. SMPS 6: 19.05.2024 — 2 sp., 09.06.2024 — 1 sp. SMPS 7: 20.05.2024 — 5 sp., 10.06.2024 — 4 sp., 01.07.2024 — 3 sp., 22.07.2024 — 1 sp.

***Tachinus proximus* Kraatz, 1855 ***

Material. SMPS 5: 04.09.2024 — 4 sp.

***Tachinus rufipennis* Gyllenhal, 1810**

References. Mateleshko *et al.*, 2009.

Material. SMPS 4: 21.05.2024 — 1 sp., 11.06.2024 — 1 sp.

***Tachinus subterraneus* (Linnaeus, 1758)**

References. Chumak *et al.*, 2006; Mateleshko *et al.*, 2009.

Material. SMPS 2: 31.05.2023 — 1 sp.

Genus *Tachyporus* Gravenhorst, 1802

***Tachyporus chrysomelinus* (Linnaeus, 1758) ***

Material. SMPS 1: 30.07.2023 — 1 sp.

***Tachyporus dispar* (Paykull, 1789)**

Material. SMPS 1: 20.05.2023 — 1 sp., 08.07.2023 — 1 sp. SMPS 4: 13.06.2023 — 1 sp.

***Tachyporus hypnorum* (Fabricius, 1775)**

Material. SMPS 4: 21.05.2024 — 1 sp.

Subfamily XANTHOLININAE Erichson, 1839

Genus *Atrecus* Jacquelin du Val, 1856

***Atrecus affinis* (Paykull, 1789)**

References. Mateleshko *et al.*, 2009.

Material. SMPS 7: 02.09.2024 — 2 sp.

***Atrecus pilicornis* (Paykull, 1790) ***

Material. SMPS 1: 08.07.2023 — 4 sp. SMPS 4: 11.06.2024 — 2 sp., 13.06.2023 — 1 sp., 07.07.2023 — 1 sp., 09.10.2023 — 1 sp. SMPS 5: 22.05.2024 — 1 sp., 03.07.2024 — 2 sp. SMPS 6: 19.05.2024 — 3 sp., 09.06.2024 — 4 sp., 30.06.2024 — 1 sp. SMPS 7: 10.06.2024 — 2 sp., 01.07.2024 — 5 sp., 22.07.2024 — 1 sp., 02.09.2024 — 1 sp.

Genus *Gauropterus* Thomson, 1860

***Gauropterus fulgidus* (Fabricius, 1787) ***

Material. SMPS 6: 19.05.2024 — 6 sp., 09.06.2024 — 6 sp., 30.06.2024 — 2 sp.

Genus *Othius* Stephens, 1829

***Othius crassus* Motschulsky, 1858**

References. Chumak *et al.*, 2006, Mateleshko *et al.*, 2009.

Material. SMPS 2: 31.05.2023 — 1 sp., 29.06.2023 — 1 sp.

***Othius subuliformis* Stephens, 1833 ***

Material. SMPS 2: 31.05.2023 — 5 sp. SMPS 3: 29.06.2023 — 1 sp., 09.10.2023 — 1 sp.

Genus *Xantholinus* Dejean, 1821

***Xantholinus longiventris* Heer, 1839 ***

Material. SMPS 4: 21.05.2024 — 1 sp., 11.06.2024 — 1 sp. SMPS 5: 22.05.2024 — 1 sp. SMPS 7: 02.09.2024 — 1 sp.

***Xantholinus tricolor* (Fabricius, 1787) ***

Material. SMPS 4: 11.06.2024 — 1 sp. SMPS 7: 01.07.2024 — 2 sp.

The large number of new records indicates the high faunistic potential of the regional coniferous ecosystems and highlights the insufficiency of previous studies. The data obtained are of great importance for monitoring the state of forest biogeocenoses; they will be integrated into the Chronicles of Nature of the Carpathian National Nature Park and used when updating the State Register of the Animal Kingdom of Ukraine.

Conclusions. A total of 205 rove beetle species belonging to 17 subfamilies were identified based on the material collected during field studies conducted in 2023–2024 within the coniferous forests of the Carpathian National Nature Park. Of these, 128 species are being recorded for the first time in the fauna of the Carpathian National Nature Park.

Although this taxonomic list is not complete, it summarizes the results of long-term studies on rove beetles, particularly incorporating intensive research from the past few years, and can serve as a baseline for future faunistic investigation and biodiversity monitoring within the Carpathian National Nature Park.

Acknowledgments. We thank our colleagues and friends, Prof. Dr. Thibault Lachat (Forest Sciences, School of Agricultural, Forest and Food Sciences HAFL, Bern University of Applied Sciences, Zollikofen, Switzerland and Swiss Federal Institute for Forest, Snow and Landscape Research WSL, Birmensdorf, Switzerland) and Prof. Dr. Martin Gossner (Forest Entomology, Swiss Federal Institute for Forest, Snow and Landscape Research WSL, Birmensdorf, Switzerland and Swiss Institute of Terrestrial Ecosystems, Department of Environmental Systems Science, Zürich, Switzerland) for organizing and collaborating on several projects to study biodiversity in primeval forests of the Ukrainian Carpathians. We are grateful to N. O. Brusentsova (Slobozhanskyi National Nature Park, CO 'Charitable Foundation for Nature Recovery of Ukraine') for her assistance with cartographic illustrations and A. Yu. Glotova (Novoiavorivsk, Ukraine) for correcting the English text of the manuscript.

Declaration of competing interest. The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

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ПРАВИЛА ДЛЯ АВТОРІВ

1. «Вісті Харківського ентомологічного товариства» публікують статті, які є результатом наукових досліджень з усіх галузей загальної та прикладної ентомології, акарології та арахнології. Представлені роботи повинні містити нові дані, які раніше не публікувалися.

2. «Вісті Харківського ентомологічного товариства» включено до «Переліку наукових фахових видань» України у межах кластера «Біологія, біотехнології, медицина та реабілітація» (категорія «Б», спеціальність Е1 — Біологія та біохімія) (наказ Міністерства освіти і науки України № 928 від 11.06.2026 р.).

3. У статтях мають бути чітко сформульовані: постановка завдання, мета досліджень, методика роботи, результати та основні висновки.

4. Статті публікуються англійською та українською мовами.

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6. Рисунки та графіки повинні бути вставлені в текст з можливістю їх редагування, а також подаватись у вигляді окремих графічних файлів або файлів баз даних загальноприйнятих форматів. Рисунки та фотографії повинні бути скановані з роздільною здатністю не менше 300 точок на дюйм. При оформленні графіків та схем слід використовувати лише чорно-білі заливання та штрихування.

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2. The *Kharkiv Entomological Society Gazette* is included in the 'List of Scientific Professional Editions' of Ukraine within the 'Biology, Biotechnologies, Medicine, and Rehabilitation' cluster (category 'B', speciality E1 — Biology and Biochemistry) (order of the Ministry of Education and Science of Ukraine No. 928, June 11, 2026).

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