

New sawfly (Hymenoptera: Symphyta) data from southern Slovakia

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BALÁZS, A. & HARIS, A.: *New sawfly (Hymenoptera: Symphyta) data from southern Slovakia.*

Abstract: 75 species of sawflies are reported from Cerová vrchovina Upland (South Slovakia). *Dolerus (Poodolerus) nigrominutus* Haris, 1998, *Claremontia puncticeps* (Konow, 1886), *Profenusa thomsoni* (Konow, 1886) and *Amauronematus puniceus* (Christ, 1791) are new records for the Slovak fauna. Other biogeographically interesting species are the following: *Pamphilius jucundus* (Eversmann, 1847), *Aprosthemata maculatum* (Jurine, 1807), *Dolerus harwoodi* Benson, 1947, *Periclista lenta* Konow, 1903, *Pristiphora bohemica* Macek, 2012 and *Pristiphora fausta* (Hartig, 1837).

Keywords: insects, faunistics, the Carpathians, steppes, oak forests

Introduction

Hereby presented paper is the third paper of a series dealing with the sawfly fauna of Cerová vrchovina Upland (BALÁZS & HARIS 2019, 2020). In the studied area, ongoing research on the entomofauna is consistently carried out during the last several years. However, the research on the sawfly fauna began already in the 19th century. Emil Malesevics, an enthusiastic pedagogue, led the department of natural sciences of the former Hungarian Royal State Main High School in Losoncz (= Lučenec) from 1876. In his paper 'Losoncz faunája' (= the fauna of Lučenec) he documented the presence of the following species: *Cimbex variabilis* Klug, 1820 [= *Cimbex femoratus* (L., 1758)], *Hylotoma rosarum* Klug, 1814 [= *Arge ochropus* (Gmelin, 1790)], *Cladius difformis* Panzer, 1799 [= *Cladius pectinicornis* (Geoffroy, 1785)], *Nematus salicis* L., 1758 [= *Euura salicis* (L., 1758)], *N. vesicator* Bremsi, 1849 [= *Euura vesicator* (Bremsi, 1849)], *N. viminalis* L., 1758 [= *Euura viminalis* (L., 1758)], *Dolerus gonager* (F., 1781), *D. fissus* Hartig, 1837 [= *Dolerus nigratus* (Müller, 1776)], *Emphytus tibialis* Panzer, 1799 [= *Apethymus serotinus* (O. F. Müller, 1776)], *E. pumilus* Klug. [= *Metallus pumilus* (Klug, 1816)], *Emphytus betulae* Zaddach, 1859 [= *Scolioneura betuleti* (Klug, 1816)], *Dineura alni* L., 1767 [= *Hemichroa australis* (Serville, 1823)], *D. rufa* Panzer, 1799 [= *Hemichroa crocea* (Geoffroy, 1785)], *D. opaca* F., 1775 [= *Mesoneura opaca* (F., 1775)], *Selandria melanocephala* F., 1798 [= *Periclista albida* (Klug, 1816)], *S. ovata* L. [= *Eriocampa ovata* (Linnaeus, 1761)], *S. serva* (F. 1793), *Athalia rosae* L., *Allanthus nothus* Klug, 1814 [= *Tenthredo notha* (Klug, 1814)], *Macrophya blanda* (F., 1775), *M. albicincta* (Schrank, 1776), *Tenthredo agilis* Klug, 1817 [= *Ametastegia glabrata*

(Fallén, 1808)], *T. fagi* Panzer, 1798, *T. livida* L., 1758, *T. coryli* Panzer, 1799 [= *Tenthredo solitaria* Scopoli, 1763], *T. bicincta* L. 1763 [= *Tenthredo temula* Scopoli, 1763], *T. instabilis* Klug, 1817 [= *Tenthredopsis nassata* (L., 1767)], *T. ribis* Schrank, 1781 [= *Macrophya ribis* (Schrank, 1781)], *Lida pyri* Schrank, 1802 [= *Neurotoma saltuum* (Linnaeus, 1758)], *L. sylvatica* L., 1758 [= *Pamphilius sylvaticus* (L., 1758)], *Cephus pygmaeus* L. [= *Cephus pygmeus* (L., 1767)] and finally, *Sirex gigas* L. [= *Urocerus gigas* L., 1758] (MALESEVICS 1892). Many more species were published by ROLLER & HARRIS (2008) from the territory of Cerová vrchovina Upland. However, the fauna of sawflies of the studied area is still poorly known given the high species richness present in Slovakia and the well-preserved sites of Cerová vrchovina Upland. Altogether, 152 species of Symphyta is recently confirmed from the Cerová vrchovina Upland until now.

Material and methods

The studied localities are situated in the Cerová vrchovina Protected Landscape Area, located in the south of Central Slovakia. The sites belong to the phytogeographical region called Pannonicum. They are composed by unique steppe-like biotopes with sub-mediterranean floral elements. The studied area is mostly covered by Miocene sandstones, while the typical soil type are brown soils (TIMÁR 2010). The climate of the region is moderately continental, characterized by a mean annual temperature ranging from 8,4 °C to 9 °C, and a mean annual precipitation of 640 mm (HORVÁTH & GAÁLOVÁ, 2010). The typical plants occurring in the localities are species such as *Alopecurus pratensis*, *Brachypodium pinnatum*, *Bothriochloa ischaemum*, *Bromus erectus*, *Calamagrostis epigeios*, *Chrysopogon gryllus*, *Festuca pratensis*, *Poa pratensis* and many more. The habitats host several shrub species such as *Crataegus monogyna*, *Prunus spinosa*, *Pyrus pyraeaster*, *Rosa canina* and *Juniperus communis* (CSIKY et al. 2010). These open biotopes are connected predominantly to thermophilous *Quercus-Carpinus betulus* forests. The studied sites, belonging to the sub-pannonic steppic grasslands biotopes, are included in the Habitats Directive of the Natura 2000 system as priority habitats. The habitats are threatened by overgrowing, overgrazing, invasive plants and by the abandonment of traditional agricultural practices. Furthermore, the locality Hajnáčka (Kerek-dombon) was situated in a managed basiphilous and thermophilous oak forest. The plantation of the commercial forest in Hajnáčka locality is composed by *Quercus cerris*, *Q. petraea*, *Fagus sylvatica* and *Carpinus betulus*. The stand age of the forest is 95 years old. In 2020, the study site was clear-cutted on an area approximately 120 meters in length and 70 meters in width. The area of the created clearing adjoins the closed-canopy forest where the sampling on its edges and within the forest were conducted.

In Hajnáčka locality, the material was collected in 2021 via flight interception traps. Two of them were installed in the forest edge and one in the interior of the forest approximately 100 meters from the forest edge. The localities studied in 2023 were sampled via Malaise traps combined with plastic pans (measuring 12.5 cm x 15 cm) containing mono propylen glycol located at the bottom of Malaise traps. The material collected by traps were completed via sweeping by the first author and Jan Bezděk (Mendel University in Brno). The material was conserved in 80% alcohol. The collected sawflies are maintained at the first author's personal collection, some rare species was deposited in Rippl-Rónai Museum, Kaposvár.

For identification, Zhelochovtsev's work on the sawflies of the European part of the former USSR (ZHELOCHOVTSEV 1988), the handbook of Lacourt on the identification of the European sawflies (LACOURT 2020) and MACEK et al. (2020) work titled "Blanokřídli České a Slovenské republiky II. Širopasí" were used.

We also consulted recent revisions (GYURKOVICS & HARIS 2014, HARIS 2006, LISTON et al. 2022, MACEK 2012) to confirm the identifications of particular taxa. The general distribution of species are reported according to ROLLER & HARIS (2008), TAEGER et al. (2006) and MACEK et al. (2020). The nomenclature follows the latest monograph of European sawflies (LACOURT 2020) with special concern for the subfamily Nematinae to address the conclusions of PROUS et al. (2014). The higher classification of Symphyta, applied in this work, follows the Hymenoptera part of Fauna Europaea (ACHTERBERG 2013). Host plant records are given according to MACEK et al. (2020).

List of localities

1. Drňa, Bálint-pusztá, 48.2566231N, 20.1124081E, 213 m a. s. l., hill densely overgrown by a wide variety of scrubs and trees.
2. Drňa, Bálint-pusztá, 48.2598194N, 20.1210447E, 218 m a. s. l. steep hill covered by various species of Poaceae and *Juniperus communis* (Fig. 1).
3. Drňa, Bálint-pusztá, 48.2636014N, 20.1216992E, 195 m a. s. l., intensively grazed pastures by cattle.
4. Gemerské Dechtáre, Nagymál-oldal, 48.2372219N, 20.0498697E, 232 m a. s. l., smaller pastures adjacent to forests.
5. Gemerské Dechtáre, Nagymál-oldal, 48.2422453N, 20.0160094E, 237 m a. s. l., a hill of steppe grassland regularly mowed by tractor.
6. Gemerské Dechtáre, Nagymál-oldal, 48.2437314N, 20.0140783E, 232 m a. s. l., xerothermic steppes with sand exposures and growths of *Juniperus communis* (Fig. 2).
7. Gemerský Jablonec, Vadókás, 48.1990936N, 19.9937256E, 244 m a. s. l., sand exposures and walls with patchy but diverse vegetation.
8. Hajnáčka, Kerek-dombon, 48.2284492N, 19.9941442E, 310 m a. s. l., forest edge of thermophilous and basiphilous oak forest.
9. Hajnáčka, Kerek-dombon, 48.2286306N, 19.9947342E, 309 m a. s. l., forest edge of thermophilous and basiphilous oak forest.
10. Hajnáčka, Kerek-dombon, 48.2292589N, 19.9948119E, 311 m a. s. l., interior of the managed thermophilous and basiphilous oak forest.
11. Hodejovec, at agricultural cooperative, 48.2777161N, 20.0127533E, 216 m a. s. l., a smaller patch of ruderal vegetation near the former unified agricultural cooperative, regularly mowed in the end of growing season (Fig. 3).
12. Hodejovec, Mihály-pusztá, 48.2758908N, 19.9736214E, 264 m a. s. l., a pasture grazed by cattle, mowed in the end of the growing season (Fig. 4).
13. Hodejovec, Mihály-pusztá, 48.2775661N, 19.9811408E, 230 m a. s. l., a pastureland intensively grazed by cattle.
14. Hostice, 48.2390514N, 20.0793311E, 222 m a. s. l., a pastureland intensively grazed by cattle (Fig. 5).
15. Hostice, 48.2422381N, 20.0808008E, 229 m a. s. l., overgrown pastureland.
16. Jesenské, Barta-pusztá, 48.2892036N, 20.0614783E, 260 m a. s. l., relatively well-preserved orchard.
17. Jesenské, Barta-pusztá, 48.2918875N, 20.0643967E, 212 m a. s. l., a pasture grazed by sheep (Fig. 6).
18. Jestice, Nagy-somos, 48.2131775N, 20.0447950E, 241 m a. s. l., valuable site of sub-pannonic steppe grasslands (Fig. 7).
19. Jestice, Nagy-somos, 48.2167939N, 20.0364172E, 251 m a. s. l., a hill side densely overgrown predominantly by *Rosa* sp. and *Prunus spinosa*.



Fig. 1: Drňa, Bálint-puszta. A mosaic of semi-natural dry grasslands with formations of *Juniperus communis*. Photo: A. Balázs



Fig. 2: Gemerské Dechtáre, Nagymál-oldal, xerothermic steppes with sand exposures and growths of *Juniperus communis*. Photo: V. Rízová.

Results

List of species

Pamphiliidae

Pamphilius jucundus (Eversmann, 1847): Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 13. 04.–28. 04. 2023, 1 male; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 1 male. Rare. Hostplant unknown.

Argidae

Aprosthemata maculatum (Jurine, 1807): Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 28. 04.–12. 05. 2023, 1 female. Sporadic, host plant unknown.

Arge pagana (Panzer, 1797): Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 08-22. 05. 2021, 1 male. Frequent. Hostplants: *Rosa* spp.

Arge rustica (Linné, 1758): Hajnáčka, Kerek-dombon, 311 m, 48.2292589N, 19.9948119E, 22. 08-22. 05. 2021, 1 male. Sporadic. Hostplant: *Quercus* spp.

Sterictiphora angelicae (Panzer, 1799): Gemerský Jablonec, Vadókás, 244 m, 48.1990936N, 19.9937256E, 16.06. 2023, Bezdek J. lgt., 1 female. Frequent species. Larva on *Prunus*.

Sterictiphora geminata (Gmelin, 1790): Drňa, Bálint-puszta, 195 m, 48.2636014°N, 20.1216992°E, 28. 04.–12. 05. 2023, 1 female; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 1 female; Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 13. 04.–28. 04. 2023, 3 males. Larva on *Rosa* spp. and *Sorbus aucuparia*. Sporadic.

Sterictiphora longicornis Chevin, 1982: Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 female; Hajnáčka, Kerek-dombon, 311 m, 48.2292589N, 19.9948119E, 22. 08-22. 05. 2021, 1 female. Sporadic. Larva on *Carpinus betulus*.

Diprionidae

Monoctenus juniperi (Linné, 1758): Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 13. 04.–28. 04. 2023, 1 male; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 female. Sporadic. Larva on *Juniperus communis*.

Tenthredinidae

Dolerinae

Dolerus (Poodolerus) asper Zaddach, 1859: Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 3 males. Sporadic. Hostplants: Graminae and Cyperaceae.

Dolerus (Poodolerus) gonager (Fabricius, 1781): Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 2 females, 17 males; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 3 females; Hodejovec, Mihály-puszta, 230 m, 48.2775661°N, 19.9811408°E, 13. 04.–28. 04. 2023, 1 female; Gemerské Dechtáre, Nagymál-oldal, 1, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 2 males. Common. Larva on Graminae.

Dolerus (Poodolerus) harwoodi Benson, 1947: Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 1 female, 2 males; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 2 males. Rare. Hostplant unknown.



Fig. 3: Hodejovec, at agricultural cooperative. Photo: V. Rízová.



Fig. 4: Hodejovec, Mihály-puszta. Photo: V. Rízová.

Dolerus (Poodolerus) nigratus (O.F. Müller, 1776): Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 9 males; Jesenské, Barta-puszta, 260 m, control, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 2 females, 9 males; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 28. 04.–12. 05. 2023, 1 male; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 28. 04.–12. 05. 2023, 1 female; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 13 males; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 13. 04.–28. 04. 2023, 1 female, 1 male; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 13. 04.–28. 04. 2023, 1 female, 1 male; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 13. 04.–28. 04. 2023, 1 female; Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 13. 04.–28. 04. 2023, 1 male; Hodejovec, at agricultural cooperative, 216 m, 48.2777161°N, 20.0127533°E, 13. 04.–28. 04. 2023, 1 female, 1 male; Hodejovec, at agricultural cooperative, 216 m, 48.2777161°N, 20.0127533°E, 28. 04.–12. 05. 2023, 1 female; Hodejovec, Mihály-puszta, 1, 264 m, 48.2758908°N, 19.9736214°E, 13. 04.–28. 04. 2023, 1 female. Common. Larva on Gramineae including cereals.

Dolerus (Poodolerus) nigrominutus Haris, 1998 (not *D. coruscans* Knw.): Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.0498697°E, 13. 04.–28. 04. 2023, 1 female, 2 males. Sporadic. Hostplant unknown.

Dolerus (Poodolerus) picipes (Klug, 1818): Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 3 females, 17 males; Gemerské Dechtáre, Nagymál-oldal, 237 m, 48.2422453°N, 20.0160094°E, 13. 04.–28. 04. 2023, 3 males; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 28. 04.–12. 05. 2023, 1 female; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 13. 04.–28. 04. 2023, 5 females, 1 male; Hodejovec, at agricultural cooperative, 216 m, 48.2777161°N, 20.0127533°E, 13. 04.–28. 04. 2023, 3 females, 9 males; Hodejovec, at agricultural cooperative, 216 m, 48.2777161°N, 20.0127533°E, 28. 04.–12. 05. 2023, 1 female, 3 males; Hodejovec, Mihály-puszta, 230 m, 48.2775661°N, 19.9811408°E, 13. 04.–28. 04. 2023, 1 male; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 13. 04.–28. 04. 2023, 1 male; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 28. 04.–12. 05. 2023, 1 male; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 1 female, 2 males; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 1 female, 1 male; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 28. 04.–12. 05. 2023, 1 female, 1 male; Drňa, Bálint-puszta, 195 m, 48.2636014°N, 20.1216992°E, 13. 04.–28. 04. 2023, 2 females; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 1 male; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 13. 04.–28. 04. 2023, 1 female. Frequent. Larva on Graminae.

Dolerus (Poodolerus) puncticollis Thomson, 1871: Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 13. 04.–28. 04. 2023, 1 female; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 28. 04.–12. 05. 2023, 1 female; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 2 males; Hodejovec, Mihály-puszta, 264 m, 48.2758908°N, 19.9736214°E, 28. 04.–12. 05. 2023, 1 female; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 1 female, 2 males; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 13. 04.–28. 04. 2023, 1 female; Jesenské, Barta-puszta, 260 m, control, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 2 males; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 1 female; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 13. 04.–28. 04. 2023, 1 male. Common. Larva on Graminae including cereals.

Selandrinae

Aneugmenus coronatus (Klug, 1818): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 05-27. 06. 2021, 1 female. Sporadic. Larva on *Dryopteris filix-mas*, *Aspidium* sp., *Athyrium filix-femina* and *Pteridium aquilinum*.

Birka (Birka) annularis (Thomson, 1870): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 female. Sporadic. Larva on *Pulmonaria angustifolia*.

Allantinae

Allantus (Emphytus) cingulatus (Scopoli, 1763): Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 2 males; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 1 male. Frequent. Host plants: *Rosa* and *Fragaria* spp.

Allantus (Emphytus) cinctus (Linné, 1758): Gemerské Dechtáre, Nagymál-oldal, 237 m, 48.2422453°N, 20.0160094°E, 28. 04.–12. 05. 2023, 2 females, 1 male; Gemerské Dechtáre, Nagymál-oldal, 237 m, 48.2422453°N, 20.0160094°E, 12. 05.–28. 05. 2023, 1 female; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 28. 04.–12. 05. 2023, 6 males; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2437314°N, 20.0140783°E, 28. 04.–12. 05. 2023, 6 males; Hostice, pasture, 222 m, 48.2390514°N, 20.0793311°E, 28. 04.–12. 05. 2023, 2 males; Hostice, 222 m, 48.2390514°N, 20.0793311°E, 13. 04.–28. 04. 2023, 1 male; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 28. 04.–12. 05. 2023, 5 males; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 13. 04.–28. 04. 2023, 1 male; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 39 males; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 28. 04.–12. 05. 2023, 1 male; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 28. 04.–12. 05. 2023, 7 males; Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 28. 04.–12. 05. 2023, 4 males; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 13. 04.–28. 04. 2023, 1 male; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 13. 04.–28. 04. 2023, 2 females, 8 males; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 28. 04.–12. 05. 2023, 3 males, 1 female; Hodejovec, at agricultural cooperative, 216 m, 48.2777161°N, 20.0127533°E, 28. 04.–12. 05. 2023, 1 female, 1 male; Hodejovec, Mihály-puszta, 230 m, 48.2775661°N, 19.9811408°E, 13. 04.–28. 04. 2023, 1 male; Hodejovec, Mihály-puszta, 264 m, 48.2758908°N, 19.9736214°E, 28. 04.–12. 05. 2023, 1 male; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 male. Frequent. Host plants: *Rosa* and *Fragaria* spp.

Allantus (Emphytus) rufocinctus (Retzius, 1783): Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 2 males. Frequent. Larva on *Rosa* spp.

Ametastegia (Protemphytus) tenera (Fallén, 1808): Hodejovec, at agricultural cooperative, 216 m, 48.2777161°N, 20.0127533°E, 28. 04.–12. 05. 2023, 1 male; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 05-27. 06. 2021, 1 male. Frequent. Host plant: *Rumex* spp.

Athalia circularis ssp. *circularis* (Klug, 1815): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 05-27. 06. 2021, 1 male; Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 22. 05. - 04. 06. 2021, 1 female; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 22. 05. - 04. 06. 2021, 1 female, 1 male; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 female, 1 male; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 09-31. 08. 2021, 1 male. Frequent. Larva on *Glechoma hederacea*, *Plantago*, *Melampyrum* and *Veronica* spp.



Fig. 5: Hostice, pastureland of a semi-natural dry grasslands grazed by cattle.
Photo: V. Rízová.



Fig. 6: Jesenské, Barta-puszta, pasture with old orchards. Photo: V. Rízová.

Athalia cordata Serville, 1823: Hodejovec, at agricultural cooperative, 216 m, 48.2777161°N, 20.0127533°E, 28. 04.–12. 05. 2023, 1 female; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 28. 04.–12. 05. 2023, 1 female; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 22. 05. - 04. 06. 2021, 1 female; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 male; Hajnáčka, Kerek-dombon, 311 m, 48.2292589N, 19.9948119E, 22. 08-22. 05. 2021, 1 female; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 09-31. 08. 2021, 1 female. Common. Larva on *Misopates orontium*, *Antirrhinum majus*, *Ajuga reptans*, *Teucrium scorodonia* and *Plantago* spp.

Athalia liberta (Klug, 1815): Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 22. 05. - 04. 06. 2021, 1 female; Hajnáčka, Kerek-dombon, 311 m, 48.2292589N, 19.9948119E, 27. 06. - 09. 07. 2021, 1 female. Frequent. Feeding on *Alliaria petiolata*, *Arabidopsis thaliana*, *Cardamine hirsuta* and *Sisymbrium officinale*.

Athalia rosae (Linné, 1758): Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 08-22. 05. 2021, 1 female; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 female; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 09-31. 08. 2021, 1 female. Common pest. Host plants: *Raphanus sativus*, *R. raphanistrum*, *Sinapis arvensis*, *Sisymbrium officinale*, *Armoracia rusticana*, *Barbarea* sp., *Brassica napus*, *B. juncea*, *B. rapa*, *B. oleracea*, *Tropaeolum majus*, *Sinapis arvensis*, *Alliaria petiolata* and *Cardamine* spp.

Athalia rufoscutellata Mocsáry, 1879: Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2437314°N, 20.0140783°E, 13. 04.–28. 04. 2023, 2 females; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2437314°N, 20.0140783°E, 28. 04.–12. 05. 2023, 2 females; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 28. 04.–12. 05. 2023, 2 males. Sporadic. Host plant unknown.

Empria hungarica (Konow, 1895): Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 1 male; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 1 male; Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 13. 04.–28. 04. 2023, 1 male; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 13. 04.–28. 04. 2023, 1 male. Sporadic. Host plant unknown.

Empria liturata (Gmelin, 1790): Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 28. 04.–12. 05. 2023, 7 males; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 2 females; Drňa, Bálint-puszta, 195 m, 48.2636014°N, 20.1216992°E, 28. 04.–12. 05. 2023, 1 male; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 28. 04.–12. 05. 2023, 2 females, 1 male; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 4 males, 1 female; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 28. 04.–12. 05. 2023, 1 female; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 13. 04.–28. 04. 2023, 2 females; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 28. 04.–12. 05. 2023, 1 female; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 1 male, 2 females; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2437314°N, 20.0140783°E, 28. 04.–12. 05. 2023, 1 female; Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 13. 04.–28. 04. 2023, 5 males, 2 females; Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 28. 04.–12. 05. 2023, 2 males, 1 female; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 28. 04.–12. 05. 2023, 1 female; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 13. 04.–28. 04. 2023, 1 male; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 28. 04.–12. 05. 2023, 1 female; Hostice, 222 m, 48.2390514°N,



Fig. 7: Jestice, Nagy-somos, a mosaic of semi-natural dry grasslands with formations of *Juniperus communis* and sub-pannonic steppic grasslands. Photo: V. Rizová.

20.0793311°E, 28. 04.–12. 05. 2023, 1 female; Hodejovec, at agricultural cooperative, 216 m, 48.2777161°N, 20.0127533°E, 28. 04.–12. 05. 2023, 1 male; Hodejovec, Mihálypuszta, 264 m, 48.2758908°N, 19.9736214°E, 28. 04.–12. 05. 2023, 1 male; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 13. 04.–28. 04. 2023, 1 female. Frequent. Host plants: *Fragaria* and *Geum* spp.

Empria sexpunctata (Serville, 1823): Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 28. 04.–12. 05. 2023, 1 female; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 female, 2 males; Hajnáčka, Kerek-dombon, 311 m, 48.2292589N, 19.9948119E, 22. 08-22. 05. 2021, 1 male. Frequent. Larva on *Geum* spp.

Empria tridens (Konow, 1896): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 female. Frequent. Host plants: *Geum* spp. and *Rubus idaeus*.

Monostegia abdominalis (Fabricius, 1798): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 22. 05. - 04. 06. 2021, 1 female. Frequent. Recorded on *Glaux maritima*, *Lysimachia numularia* and *L. vulgaris*.

Blennocampinae

Blennocampa phyllocolpa Viitasaari & Vikberg, 1985: Hajnáčka, Kerek-dombon, 311 m, 48.2292589N, 19.9948119E, 22. 08-22. 05. 2021, 1 male. Frequent. Larva rolls the leaves of *Rosa* spp.

Cladardis elongatula (Klug, 1817): Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 28. 04.–12. 05. 2023, 1 female; Hajnáčka, Kerek-dombon, 309 m,

48.2286306N, 19.9947342E, 05-27. 06. 2021, 1 male. Sporadic. Larva bores in shoots of *Rosa* spp.

Claremontia alternipes (Klug, 1816): Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 28. 04.–12. 05. 2023, 1 male; Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 08-22. 05. 2021, 1 female. Sporadic. Host plant: *Rubus idaeus*.

Claremontia brevicornis (Brischke, 1883): Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 13. 04.–28. 04. 2023, 2 females; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 13. 04.–28. 04. 2023, 3 females; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 5 females; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 13. 04.–28. 04. 2023, 1 female; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 2 females; Gemerské Dechtáre, Nagymál-oldal, 237 m, 48.2422453°N, 20.0160094°E, 13. 04.–28. 04. 2023, 1 female; Drňa, Bálint-puszta, 195 m, 48.2636014°N, 20.1216992°E, 28. 04.–12. 05. 2023, 1 female; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 13. 04.–28. 04. 2023, 1 female; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 1 male. Frequent. Host plants: *Fragaria* spp., *Sanguisorba* spp. and *Potentilla reptans*.

Claremontia puncticeps (Konow, 1886): Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 1 female. New record for Slovakia. Host plant: *Sanguisorba officinalis*.

Claremontia waldheimii (Gimmerthal, 1847): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 female. Frequent. Host plant: *Geum urbanum*.

Monardis plana (Klug, 1817): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 male. Rare. Host plants: roses (*Rosa* spp.) including cultivars; eggs are laid in buds; initially, larvae are feeding inside the buds than they pass through buds and feeding on freshly developed leaves and shoots.

Parophora pruni (Linné, 1758): Drňa, Bálint-puszta, 195 m, 48.2636014°N, 20.1216992°E, 28. 04.–12. 05. 2023, 1 female; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 2 males; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 28. 04.–12. 05. 2023, 1 male; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 13. 04.–28. 04. 2023, 3 males; Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 13. 04.–28. 04. 2023, 1 female; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 13. 04.–28. 04. 2023, 5 males; Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 28. 04.–12. 05. 2023, 2 males; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2437314°N, 20.0140783°E, 28. 04.–12. 05. 2023, 1 female; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 28. 04.–12. 05. 2023, 2 females; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 3 males; Hodejovec, Mihály-puszta, 264 m, 48.2758908°N, 19.9736214°E, 13. 04.–28. 04. 2023, 1 male. Frequent. Larva on *Prunus spinosa*.

Periclista (Periclista) albiventris (Klug, 1816): Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 08-22. 05. 2021, 4 females; Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 22. 05. - 04. 06. 2021, 1 female; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 3 females, 1 male. Sporadic. Host plant unknown.

Periclista (Periclista) lenta Konow, 1903: Hodejovec, Mihály-puszta, 264 m, 48.2758908°N, 19.9736214°E, 13. 04.–28. 04. 2023, 1 female.

Heterarthrinae

Caliroa annulipes (Klug, 1816): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 female. Rare in Slovakia. Food plants are various deciduous trees and shrubs, like *Betula*, *Salix*, *Quercus*, *Tilia*, *Rosa* and also *Vaccinium myrtillus*.

Profenusa thomsoni (Konow, 1886): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 09-31. 08. 2021, 1 female. Rare. New record for Slovakia. Larvae make mines in leaves of *Betula* spp.

Tenthredininae

Aglaostigma (Astochus) aucupariae (Klug, 1817): Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 1 female; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 13. 04.–28. 04. 2023, 1 female. Common. Larva on *Galium mollugo* and *G. boreale*.

Macrophya (Macrophya) albicincta (Schrank, 1776): Hostice; 229 m, 48.2422381°N, 20.0808008°E, 13. 04.–28. 04. 2023, 1 female. Common. Host plants: *Sambucus ebulus*, *S. nigra*, *S. racemosa*, *Valeriana officinalis* and *Viburnum opalus*.

Macrophya (Macrophya) alboannulata Costa, 1859: Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 05-27. 06. 2021, 1 female; Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 22. 05. - 04. 06. 2021, 1 female. Common. Host plants: *Sambucus ebulus*, *S. nigra*, *S. racemosa*.

Macrophya (Macrophya) annulata (Geoffroy, 1785): Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 28. 04.–12. 05. 2023, 2 males. Frequent. Larva on *Potentilla reptans*, *Origanum vulgare*, *Euphorbia*, *Rosa*, *Rubus* and *Sambucus* spp.

Macrophya (Macrophya) montana ssp. *montana* (Scopoli, 1763): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 05-27. 06. 2021, 1 female; Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 05-27. 06. 2021, 1 female. Common. Host plant: *Rubus caesius*.

Macrophya (Macrophya) sanguinolenta (Gmelin, 1790): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 22. 05. - 04. 06. 2021, 1 female. Frequent. Host plants: *Veronica* spp., *Senecio ovatus*, *Galeopsis ladanum*, *Pseudolysimachion* spp. and *Cirsium* spp.

Rhogogaster (Cytisogaster) picta (Klug, 1817): Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 28. 04.–12. 05. 2023, 3 females; Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 08-22. 05. 2021, 1 female. Sporadic. Larva on *Cytisus nigricans*, *Chamaecytisus ratisbonensis*, *Genista tinctoria* and *Cytisus scoparius*.

Tenthredo (Tenthredo) zona Klug, 1817: Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 1 female; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 13. 04.–28. 04. 2023, 1 female. Sporadic. Host plant: *Hypericum perforatum*.

Tenthredopsis nassata (Linné, 1767): Hajnáčka, Kerek-dombon, 311 m, 48.2292589N, 19.9948119E, 22. 05. - 04. 06. 2021, 1 female. Earlier frequent, now sporadic. Hostplants: *Dactylis glomerata*, *Deschampsia caespitosa*, *D. calmagrostis*, *Flexuosa* spp., *Holcus* spp., *Lolium perenne*, *Agropyron* spp., *Carex* spp., *Anthriscus silvestris* and *Artemisia* spp.

Tenthredopsis ornata (Serville, 1823): Hajnáčka, Kerek-dombon, 311 m, 48.2292589N, 19.9948119E, 22. 05. - 04. 06. 2021, 1 female. Frequent. Larva on *Brachypodium sylvaticum*.

Tenthredopsis stigma (Fabricius, 1798): Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 1 male; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 28. 04.–12. 05. 2023, 1 male. Frequent. Hostplant: *Triticum intermedium*, *Holcus*, *Festuca*, *Poa* and *Dactylis* spp.

Tenthredopsis tessellata (Klug, 1817): Drňa, Bálint-puszta, 195 m, 48.2636014°N, 20.1216992°E, 28. 04.–12. 05. 2023, 1 female; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 28. 04.–12. 05. 2023, 1 male; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 28. 04.–12. 05. 2023, 1 male; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 28. 04.–12. 05. 2023, 1 male. Sporadic. Larva on *Deschampsia*, *Dactylis*, *Aira* and *Lolium* spp.

Nematinae

Amauronematus puniceus (Christ, 1791): Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 28. 04.–12. 05. 2023, 1 female. Larvae are on *Salix* spp. like *Salix caprea*, *S. fragilis*, *S. aurita*, *S. alba* and *S. cinerea*. New record for Slovakia (Fig. 8).

Cladius (*Cladius*) *pectinicornis* (Geoffroy, 1785): Gemerské Dechtáre, Nagymáldal, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 1 female; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 1 female; Hodejovec, at agricultural cooperative, 216 m, 48.2777161°N, 20.0127533°E, 28. 04.–12. 05. 2023, 1 female; Hodejovec, Mihály-puszta, 230 m, 48.2775661°N, 19.9811408°E, 13. 04.–28. 04. 2023, 1 female; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 28. 04.–12. 05. 2023, 1 female; Drňa, Bálint-puszta, 195 m, 48.2636014°N, 20.1216992°E, 13. 04.–28. 04. 2023, 1 male; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 05-27. 06. 2021, 1 female; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 22. 05. - 04. 06. 2021, 2 males; Hajnáčka, Kerek-dombon, 309 m,



Fig. 8: *Amauronematus puniceus* (Christ, 1791), a new record for Slovakia.

Photo: A. Haris.

48.2286306N, 19.9947342E, 09-31. 08. 2021, 1 female; Hajnáčka, Kerek-dombon, 311 m, 48.2292589N, 19.9948119E, 05-27. 06. 2021, 1 male. Common. Host plant: *Rubus* spp.

Hoplocampa chrysorrhoea (Klug, 1816): Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 13. 04.–28. 04. 2023, 1 male; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 28. 04.–12. 05. 2023, 1 male; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 13. 04.–28. 04. 2023, 1 female; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 28. 04.–12. 05. 2023, 3 males; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 13. 04.–28. 04. 2023, 1 male; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 28. 04.–12. 05. 2023, 1 male; Hodejovec, at agricultural cooperative, 216 m, 48.2777161°N, 20.0127533°E, 28. 04.–12. 05. 2023, 1 male; Hostice, 48.2390514°N, 20.0793311°E, 13. 04.–28. 04. 2023, 1 male; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 28. 04.–12. 05. 2023, 1 female; Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 2 females; Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 08-22. 05. 2021, 1 female. Frequent in Slovakia. Hostplant unknown, adults on *Prunus spinosa* and *Crataegus* spp.

Hoplocampa crataegi (Klug, 1816): Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 13. 04.–28. 04. 2023, 1 female. Frequent. Larva on *Crataegus* spp.

Hoplocampa fulvicornis (Panzer, 1801): Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 3 females; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 28. 04.–12. 05. 2023, 1 female; Drňa, Bálint-puszta, 195 m, 48.2636014°N, 20.1216992°E, 13. 04.–28. 04. 2023, 1 female, 2 males; Hodejovec, Mihály-puszta, 230 m, 48.2775661°N, 19.9811408°E, 13. 04.–28. 04. 2023, 1 male, 1 female; Hodejovec, Mihály-puszta, 264 m, 48.2758908°N, 19.9736214°E, 13. 04.–28. 04. 2023, 1 male; Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 13. 04.–28. 04. 2023, 1 male. Frequent, larva on *Prunus* spp.

Nematus lucidus (Panzer, 1801): Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 13. 04.–28. 04. 2023, 1 male; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 13. 04.–28. 04. 2023, 1 male; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2437314°N, 20.0140783°E, 28. 04.–12. 05. 2023, 1 male; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2437314°N, 20.0140783°E, 13. 04.–28. 04. 2023, 1 male; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 13. 04.–28. 04. 2023, 3 males; Drňa, Bálint-puszta, 195 m, 48.2636014°N, 20.1216992°E, 13. 04.–28. 04. 2023, 1 male; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 22. 05. - 04. 06. 2021, 1 male. Frequent. Larva on *Crataegus* and *Prunus spinosa*.

Pachynematus clitellatus (Serville, 1823): Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2437314°N, 20.0140783°E, 28. 04.–12. 05. 2023, 1 female; Hodejovec, Mihály-puszta, 230 m, 48.2775661°N, 19.9811408°E, 13. 04.–28. 04. 2023, 1 female. Frequent. Larval hosts: Graminae, *Carex* and *Juncus* spp.

Pachynematus fallax (Serville, 1823): Hodejovec, Mihály-puszta, 230 m, 48.2775661°N, 19.9811408°E, 13. 04.–28. 04. 2023, 1 male. Frequent. Larva on Poaceae and *Carex* spp.

Pristiphora armata (Thomson, 1863): Gemerské Dechtáre, Nagymál-oldal, 237 m, 48.2422453°N, 20.0160094°E, 13. 04.–28. 04. 2023, 1 male. Frequent. Larva on *Crataegus* spp.

Pristiphora biscaulis (Förster, 1854): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 08-22. 05. 2021, 1 female. Sporadic. Larva on *Prunus spinosa* and *Prunus domestica*.

Pristiphora bohémica Macek, 2012: Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 13. 04.–28. 04. 2023, 1 female; Drňa, Bálint-puszta, 195 m, 48.2636014°N, 20.1216992°E, 13. 04.–28. 04. 2023, 1 female; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 13. 04.–28. 04. 2023, 1 male; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 28. 04.–12. 05. 2023, 1 male; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 1 male; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 28. 04.–12. 05. 2023, 1 male. Recently described species. Sporadic. Host plant: *Spiraea salicifolia*.

Pristiphora fausta (Hartig, 1837): Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 22. 05. - 04. 06. 2021, 1 female. Rare. Larva on *Quercus* spp.

Pristiphora insularis Rohwer, 1910: Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 28. 04.–12. 05. 2023, 1 female; Gemerské Dechtáre, Nagymál-oldal, 237 m, 48.2422453°N, 20.0160094°E, 28. 04.–12. 05. 2023, 1 female. Sporadic. Larva on *Amelanchier asiatica*, *Chaenomeles japonica*, *Rosa* spp., *Rosa majalis*, *Rosa pimpinellifolia* and *Rosa obovata*.

Pristiphora monogyniae (Hartig, 1840): Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2437314°N, 20.0140783°E, 13. 04.–28. 04. 2023, 1 female; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2372219°N, 20.04.98697°E, 28. 04.–12. 05. 2023, 1 male; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 28. 04.–12. 05. 2023, 1 female; Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 13. 04.–28. 04. 2023, 1 male; Drňa, Bálint-puszta, 195 m, 48.2636014°N, 20.1216992°E, 13. 04.–28. 04. 2023, 1 female; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 13. 04.–28. 04. 2023, 1 female; Drňa, Bálint-puszta, 213 m, 48.2566231°N, 20.1124081°E, 28. 04.–12. 05. 2023, 1 female; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 28. 04.–12. 05. 2023, 1 female; Hostice; 229 m, 48.2422381°N, 20.0808008°E, 13. 04.–28. 04. 2023, 1 female; Hostice, 222 m, 48.2390514°N, 20.0793311°E, 13. 04.–28. 04. 2023, 1 male; Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 13. 04.–28. 04. 2023, 1 male; Jestice, Nagy-somos, 241 m, 48.2131775°N, 20.04.47950°E, 28. 04.–12. 05. 2023, 1 male; Jestice, Nagy-somos, 251 m, 48.2167939°N, 20.0364172°E, 28. 04.–12. 05. 2023, 1 female; Hodejovec, at agricultural cooperative, 216 m, 48.2777161°N, 20.0127533°E, 28. 04.–12. 05. 2023, 1 male. Frequent. Larva on *Prunus spinosa*, occasionally on *P. domestica*.

Pristiphora rufipes Serville, 1823: Drňa, Bálint-puszta, 218 m, 48.2598194°N, 20.12104.47°E, 28. 04.–12. 05. 2023, 1 female. Sporadic species. Larva on *Aquilegia* spp.

Pteronidea myosotidis (Fabricius, 1804): Gemerské Dechtáre, Nagymál-oldal, 237 m, 48.2422453°N, 20.0160094°E, 12. 05.–28. 05. 2023, 1 female; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 05-27. 06. 2021, 1 female; Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 08-22. 05. 2021, 1 male; Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 22. 05. - 04. 06. 2021, 1 female; Hajnáčka, Kerek-dombon, 309 m, 48.2286306N, 19.9947342E, 27. 06. - 09. 07. 2021, 1 female. Common. Larval hosts: *Onobrychis* and *Trifolium* spp.

Orussidae

Orussus abietinus (Scopoli, 1763): Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 08-22. 05. 2021, 1 female; Hajnáčka, Kerek-dombon, 310 m, 48.2284492N, 19.9941442E, 22. 05. - 04. 06. 2021, 1 male. Sporadic. Parasitoid of *Semanotus unduatus* L.

Xiphydriidae

Xiphydria prolongata (Geoffroy, 1785): Gemerské Dechtáre, 17. 06. 2023, Bezdek J. lgt., 1 female. Sporadic. Larva bores in *Betula*, *Alnus*, *Quercus*, *Ulmus*, *Acer*, *Populus*, *Prunus* spp. and in *Fagus sylvatica* and develop in symbiosis with fungi *Daldinia decipiens* and *D. petriniae*.

Cephidae

Calameuta (Calameuta) pallipes (Klug, 1803): Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2437314°N, 20.0140783°E, 13. 04.–28. 04. 2023, 1 female; Jestice, Nagysomos, 241 m, 48.2131775°N, 20.04.47950°E, 28. 04.–12. 05. 2023, 1 female. Frequent on diverse Poaceae.

Cephus nigrinus Thomson, 1871: Jesenské, Barta-puszta, 260 m, 48.2892036°N, 20.0614783°E, 28. 04.–12. 05. 2023, 1 female; Jesenské, Barta-puszta, 212 m, 48.2918875°N, 20.0643967°E, 28. 04.–12. 05. 2023, 1 female; Gemerské Dechtáre, Nagymál-oldal, 232 m, 48.2437314°N, 20.0140783°E, 28. 04.–12. 05. 2023, 1 female. Frequent species. Host plants: *Milium effusum* and *Poa pratensis*.

Rare and interesting species

Pamphilius jucundus (Eversmann, 1847): From the Carpathians and Carpathian Basin, the species is reported from Trenčsén (Trenčín), Budapest, Nagykovácsi, Kecskemét, Lillafüred, Balatonyörök, Boksánbánya (Bocsa Montana) and the Retezat Mountains. It is widely distributed in Europe.

Aprosthemma maculatum (Jurine, 1807): Rare in Slovakia known from Devínska Kobyla, Stúrovo (Párkány), Čajkov pri Leviciach (Csejkő), PR Ostrov Kopáč and Nitra (Nytira) (ROLLER & HARIS 2008).

Dolerus (Poodolerus) harwoodi Benson, 1947: Rare. The known localities from the Carpathians are from Kremnica (Körmöcbánya) and Bílé Karpaty PLA: NR Machová (ROLLER & HARIS 2008).

Dolerus (Poodolerus) nigrominutus Haris, 1998: Sporadic species, described from Hungary. It is known from Budakeszi, Rákospalota, Csepel, Látrány Simontornya, Csévharasztg and Szécsény (ROLLER & HARIS 2008). In separate paper, it is removed from synonymy of the otherwise very different *Dolerus coruscans* Konow, 1890 (ROLLER in press). New record for Slovakia.

Claremontia puncticeps (Konow, 1886): Widely distributed in the Palearctic region. New record for Slovakia.

Periclista (Periclista) lenta Konow, 1903: Rare. Known only from Považský Inovec (PR Kňazí vrch) in Slovakia. Recorded in France, Austria and Turkey.

Profenusa thomsoni (Konow, 1886): Rare, scattered distribution in the eastern part of Central Europe. New record for Slovakia.

Amauronematus puniceus (Christ, 1791): Recently separated from the similar *Amauronematus krausi* Taeger & Blank, 1998. Rare, palearctic species with wide distribution area. In Europe, it is known from Austria, Czech Republic, Estonia, Finland, France, Germany, Italy, Latvia, Norway, Russia and Ukraine. New record for Slovakia.

Pristiphora bohémica Macek, 2012: Recently described species. Recorded only from Czech Republic (Třeboňsko, Tábořsko) and Slovakia (Záhorská nížina) (ROLLER & OLŠOVSKÝ 2012).

Pristiphora fausta (Hartig, 1837): Only 6 specimens were collected from the Carpathians and Carpathian Basin, namely: Nagyjakabfalva (Jakubov): 1 female, 15 May 1994, Malacka (Malacky): 1 female, 15 May 1993, Ihelník: 1 female, 25 Apr.-3 May 1999, Balatonyörök: Bélap-völgy, 19. 04. 2019, 1 female. Pécel: 1 female, 19th c. and Noszvaj: Síkfőkút: 1 female. 13 May 1980. Distribution: Central, West and South Europe.

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