

# Further investigation on the sawfly fauna (Hymenoptera: Symphyta) of Cerová vrchovina Upland in Slovakia

ATTILA BALÁZS<sup>1</sup> & ATTILA HARIS<sup>2</sup>

<sup>1</sup>Department of Zoology, Fisheries, Hydrobiology and Apiculture  
Mendel University in Brno, CZ-613 00 Brno, Zemedelska 1, Czech Republic  
email: balazsaeko@gmail.com

<sup>2</sup>H-1076 Budapest, Garay street 19 2/20, Hungary, email: attilaharis@yahoo.com

BALÁZS, A. & HARIS, A.: *Further investigation on the sawfly fauna (Hymenoptera: Symphyta) of Cerová vrchovina Upland in Slovakia.*

**Abstract:** During the second year of the investigation, 281 specimen of 75 species of sawflies were collected at Cerová vrchovina (South Slovakia) (Figs. 1 and 2). Rare species are: *Rhogogaster genistae* (Benson, 1947), *Macrophya teutona* (Panzer, 1799), *Eutomostethus punctatus* (Konow, 1887) and *Aneugmenus coronatus* (Klug, 1818).

**Keywords:** Hymenoptera, Symphyta, Cerová vrchovina, Slovakia

## Introduction

In our last papers (BALÁZS & HARIS 2019a, b) 189 specimen of 75 sawfly species were reported from this region including 3 new species for the Slovak fauna, namely *Pseudocephaleia praeteritorum* (Semenov, 1934), *Aprosthem a austriacum* (Konow, 1892) and *Euura calcicola* (Benson, 1948). This year we continued the 5 year lasting investigation of the fauna of Cerová vrchovina.

## Material and methods

The research of sawflies started in 2018 and continued in 2019. This year, 12 days have been spent with collecting, 2 days in April and 10 days in May. The main collection method was net sweeping completed with 3 Malaise traps and 1 interception trap. The collected material were frozen and later pinned and forwarded to the second author for identification. The material is maintained in the first author's personal collection, some rare species were deposited in Rippl-Rónai Museum, Kaposvár.

For identification, Zhelochovtsev's work on the sawflies of the European part of the former USSR (ZHELOCHOVTSEV 1988) and the recently published monograph of the

sawflies of Czech Republic and Slovakia (MACEK et al. 2020) were consulted. We also used some recent revisions and works to make the identifications even more precise (ACHTERBERG & AARTSEN 1986, TAEGER & VIITASAARI 2015, HARIS 2001, 2006, HARIS & GYURKOVICS 2014, PROUS et al. 2014, BOROWSKI & SLAWSKI 2018, HEIDEMAA & VIITASAARI 2004).

For the discussion of the distribution of sawflies, we used the book of Roller and Haris titled *Sawflies of the Carpathian Basin, History and Current Research* (ROLLER & HARIS 2008) and the most recent European checklist of species (TAEGER et al. 2006) completed by other faunistic records from the Carpathian Basin (HARIS 2009, 2010, 2011, 2012, 2018a,b; GYURKOVICS & HARIS 2012, BALÁZS & HARIS 2019a, b, ROLLER 2010, ROLLER et al. 2006, ROLLER & MACEK 2017, ROLLER & OLŠOVSKÝ 2012).

The higher classification of sawflies applied in this work follows the Hymenoptera part of Fauna Europaea (ACHTERBERG 2013).

### **Sampling sites**

1. Tachty (Tajti): Valley under Meleg-hegy, N 48°9'5.204", E 19°55'32.366", 282 m a.s.l., 05. 04.2020 and 08. 05. 2020, habitat: *Caricetum ripariae*
2. Čamovce (Csoma): Rákos, N 48°13'54.460", E 19°52'34.967", 304 m a.s.l., 23. 04. 2020, habitat: *Carpinium betuli*
3. Gemerské Dechtáre (Détér): Nagymál-oldal, N 48°14'33.729", E 20°1'26.199", 242 m a.s.l., 02. 05. 2020, habitat: *Quercetum petraea-cerris*
4. Čamovce (Csoma): Bénai sziklák, N 48°13'37.581", E 19°51'48.541", 482 m a.s.l., 23. 05. 2020, habitat: *Quercetum petraea-cerris*
5. Hajnáčka část Gortva (Ajnácskő-Gortvapuszta): Szárkő, N 48°14'55.888", E 19°58'3.347", 225 m a.s.l., 27. 05. 2020, habitat: *Quercetum petraea-cerris*
6. Gemerské Dechtáre (Détér): Nagymál-oldal, N 48°14'33.729", E 20°1'26.199", 242 m a.s.l., 30. 05. 2020, habitat: *Quercetum petraea-cerris*
7. Čamovce (Csoma): Elővölgy, N 48°14'45.471", E 19°52'1.480", 257 m a.s.l., 01. 06. 2020, habitat: *Robinia pseudoacacia* with *Daucus carota*
8. Stará Bašta (Óbást): NPR Pohanský hrad (Pogányvár), N 48°11'37.401", E 19°55'16.975", 413 m a.s.l., 05. 06. 2020, habitat: *Quercetum petraea-cerris*
9. Hajnáčka (Ajnácskő): Békástó, N 48°12'31.307", E 19°58'14.838", 310 m a.s.l., 09. 06. 2020, habitat: *Festuco ovinae-Nordetum*

### **Malaise traps**

1. Gemerské Dechtáre (Détér): Nagymál-oldal, N 48°14'33.729", E 20°1'26.199", 242 m a.s.l., 02. 05. – 19. 05. 2020, habitat: *Quercetum petraea-cerris* (Fig. 3)
2. Čamovce (Csoma): valley under László-hegy, coordinates: N 48°15'33.820", E 19°53'4.399", 215 m a.s.l., 09. 05. – 28. 05. 2020, habitat: *Prunus spinosae-Crateagetum* (Fig. 4)
3. Šurice (Sőreg): Gyertános, coordinates: N 48°13'17.614", E 19°54'57.180", 256 m a.s.l., 28. 04. – 09. 05. 2020, habitat: *Quercetum petraea-cerris* (Fig. 5)

### **Interception trap**

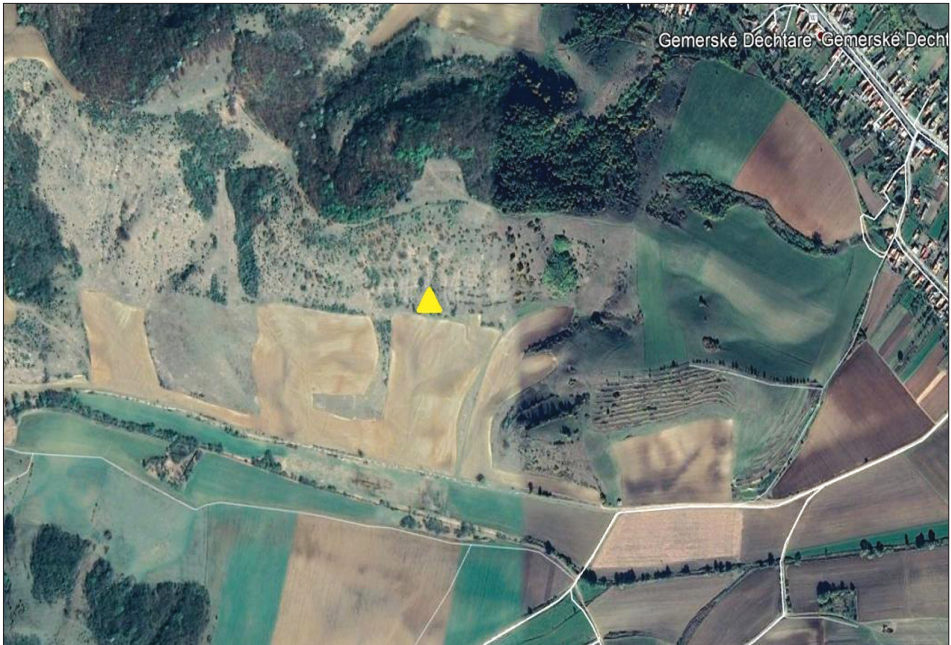
1. Tachty (Tajti): valley under Meleg-hegy, N 48°8'41.077", E 19°55'22.537", 308 m a.s.l., 25. 05. – 07. 06. 2020, habitat: *Alnion glutinosae* (Fig. 6)



**Fig. 1: Environment of Tachty (Tajti) village with the background of Meleg-hegy (photo: P. Tódor)**



**Fig. 2: Surroundings of Bagolyvár Castle in Šurice (Sőreg) village (photo: P. Tódor)**



**Fig. 3: Location of Malaise trap at Gemerské Dechtáre (Détér): Nagymál-oldal**



**Fig. 4: Location of Malaise trap at Čamovce (Csoma): valley under László-hegy**



**Fig. 5: Location of Malaise trap at Surice (Sóreg): Gyertános**



**Fig. 6: Location of interception trap at Tachty (Tajti): valley under Meleg-hegy**

## Results

### Pamphiliidae

*Neurotoma nemoralis* (Linné, 1758): Čamovce (Csoma): Rákos, 23. 04. 2020, 1 female. Known hostplants: *Prunus mahaleb*, *P. armeniaca*, *P. spinosa* and *P. cerasus*. Locally frequent pest.

### Cephalidae

*Calameuta (Calameuta) filiformis* (Eversmann, 1847): Čamovce (Csoma): Elővölgy, 01. 06. 2020, 1 male. Frequent species. Larva lives in stems of *Arrhenaterum elatius*, *Phalaris arundinacea*, *Calamagrostis epigeios*, *Elytrigia repens* and *Phragmites communis*.

*Calameuta (Calameuta) pallipes* (Klug, 1803): Čamovce (Csoma): valley under László-hegy, Malaise trap, 09. 05. – 28. 05. 2020, 1 female. Frequent species. Hostplants: diverse Poaceae.

*Cephus pygmeus* (Linné, 1767): Stará Bašta (Óbást): NPR Pohanský hrad (Pogányvár), 05. 06. 2020, 1 female. Common. Insect pest of cereals and Gramineae.

*Cephus spinipes* (Panzer, 1800): Čamovce (Csoma): Elővölgy, 01. 06. 2020, 5 males; Čamovce (Csoma): valley under László-hegy, Malaise trap, 09. 05. – 28. 05. 2020, 1 female. Frequent species. Known hostplant: *Phleum pratense*.

### Argidae

*Arge cyanocrocea* (Förster, 1771): Čamovce (Csoma): Elővölgy, 01. 06. 2020, 1 female. Common species. Known hostplants: *Rubus idaeus* and *Sanguisorba officinalis*.

*Arge melanochra* (Gmelin, 1790): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 male. Frequent. Hostplant: *Crataegus oxycantha*.

*Arge ochropus* (Gmelin, 1790): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female. Pest of *Rosa* spp. Locally frequent.

### Tenthredinidae

#### Dolerinae

*Dolerus (Dolerus) vestigialis* (Klug, 1818): Tachty (Tajti): valley under Meleg-hegy, 08. 05. 2020, 2 females; Tachty (Tajti): valley under Meleg-hegy, Malaise trap, 08. 05. – 19. 05. 2020, 1 female; Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 1 female; Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 male. Common. Hostplants: *Equisetum palustre*, *E. sylvaticum*, *E. arvense* and *E. pratense*.

*Dolerus (Dolerus) bimaculatus* (Geoffroy, 1785): Tachty (Tajti): valley under Meleg-hegy, 08. 05. 2020, 2 females. Sporadic. Larva on *Equisetum* spp.

*Dolerus (Poodolerus) asper* Zaddach, 1859: Tachty (Tajti): valley under Meleg-hegy, 08. 05. 2020, 1 male. Rare. Hostplant: *Carex pilulifera*.

*Dolerus (Poodolerus) nigratus* (O.F. Müller, 1776): Tachty (Tajti): valley under Meleg-hegy, 08. 05. 2020, 1 female. Common. Larva on Gramineae including cereals.

*Dolerus (Dolerus) germanicus* ssp. *germanicus* (Fabricius, 1775): Hajnáčka (Ajnácskő): Békástó, 09. 06. 2020, 1 female; Stará Bašta (Óbást): NPR Pohanský hrad (Pogányvár), 05. 06. 2020, 1 male. Common. Larva on *Equisetum arvense* and *E. palustre*.

*Dolerus (Poodolerus) picipes* (Klug, 1818): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female, 1 male. Frequent. Larva on Graminae.

*Dolerus (Poodolerus) sanguinicollis* (Klug, 1818): Tachty (Tajti): valley under Meleg-hegy, Malaise trap, 08. 05. – 19. 05. 2020, 1 female. Sporadic.

### Selandrinae

*Aneugmenus coronatus* (Klug, 1818): Šurice (Sőreg): Gyertános, Malaise trap, 28. 04. – 09. 05. 2020, 1 female. Rare. Hostplants: *Dryopteris filix-mas*, *Athyrium filix-femina* and *Pteridium* spp.

*Nesoselandria morio* (Fabricius, 1781): Tachty (Tajti): valley under Meleg-hegy, 08. 05. 2020, 1 female, 2 males; Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female; Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 2 females; Tachty (Tajti): valley under Meleg-hegy, Malaise trap, 08. 05. – 19. 05. 2020, 1 female. Frequent. Hostplants: *Brachytecium reflexum*, *Ceratodon purpureus*, *Chenopodium album*, *Dicranum scoparium*, *Fragaria vesca*, *Hedwigia ciliata*, *Myosotis arvensis*, *Plagiomnium cuspidatum*, *Plagiothecium denticulatum*, *Polygonum aviculare*, *Polytrichum commune*, *Pseudobryum cinclidiodes*, *Sanionia uncinata*, *Stellaria media*, *Veronica chamaedrys* and *V. officinalis*.

### Allantinae

*Allantus (Emphytus) calceatus* (Klug, 1818): Tachty (Tajti): valley under Meleg-hegy, 08. 05. 2020, 1 male. Sporadic. Host plants: *Rubus*, *Sanguisorba*, *Rosa*, *Filipendula*, *Fragaria* and *Alchemilla* spp.

*Allantus (Emphytus) didymus* (Klug, 1818): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 49 males; Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 19. 05. – 30. 05. 2020, 5 males, 1 female, 30. 05. – 24. 06. 2020, 2 males; Čamovce (Csoma): Elővölgy, 01. 06. 2020, 1 male; Gemerské Dechtáre (Détér): Nagymál-oldal, 02. 05. 2020, 1 male; Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 1 male; Šurice (Sőreg): Gyertános, Malaise trap 09. 05. – 04. 06. 2020, 1 female. Sporadic. Larva on *Sanguisorba minor*: old records from *Rubus* and *Rosa* spp., need checking.

*Allantus (Emphytus) cinctus* (Linné, 1758): Čamovce (Csoma): valley under László-hegy, Malaise trap, 09. 05. – 28. 05. 2020, 1 female; Šurice (Sőreg): Gyertános, Malaise trap 09. 05. – 04. 06. 2020, 1 female; Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 male. Frequent. Hostplants: *Rosa* spp.

*Allantus (Emphytus) melanarius* (Klug, 1818): Hajnáčka část Gortva (Ajnácskő-Gortvapuszta): Szárkö, 27. 05. 2020, 1 female. Frequent. Host plant: *Cornus sanguinea*.

*Allantus (Allantus) viennensis* (Schrank, 1781): Čamovce (Csoma): Bénai sziklák, 23. 05. 2020, 1 female; Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 male. Host plants: *Rosa* spp. Sporadic.

*Ametastegia (Ametastegia) equiseti* (Fallén, 1808): Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 male; Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 2 males. Frequent. Larva on *Chenopodium album*, *Lythrum salicaria*, *Polygonum persicaria* and *Rumex acetosella*.

*Ametastegia (Protemphytus) pallipes* (Spinola, 1808): Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 4 females; Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 2 females. Frequent. Host plants: *Viola* spp.

*Ametastegia (Protemphytus) tenera* (Fallén, 1808): Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 male. Frequent. Larva on *Rumex* spp.

*Athalia circularis* (Klug, 1815): Tachty (Tajti): valley under Meleg-hegy, Malaise trap, 08. 05. – 19. 05. 2020, 2 females. Frequent. Hostplants: *Arctium lappa*, *Ajuga reptans*,

*Veronica beccabunga*, *V. longifolia*, *V. officinalis*, *Alliaria petiolata*, *Glechoma hederacea*, *Melampyrum*, *Capsella* and *Lycopus* spp.

*Athalia cordata* Serville, 1823: Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 2 females, Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female. Common. Larva on *Misopates orontinum*, *Antirrhinum majus*, *Ajuga reptans*, *Teucrium scorodonia* and *Plantago* spp.

*Athalia rufoscutellata* Mocsáry, 1879: Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 3 females, 2 males; Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 4 females, 3 males; Čamovce (Csoma): Valley under László-hegy, Malaise trap, 09. 05. – 28. 05. 2020, 1 female; Šurice (Sőreg): Gyertános, Malaise trap, 28. 04. – 09. 05. 2020, 2 females. Sporadic. Larva on *Teucrium* spp.

*Empria liturata* (Gmelin, 1790): Šurice (Sőreg): Gyertános, Malaise trap, 28. 04. – 09. 05. 2020, 3 males; Tachty (Tajti): valley under Meleg-hegy, Malaise trap, 08. 05. – 19. 05. 2020, 1 male. Frequent. Hostplants: *Fragaria* and *Geum* spp.

*Monostegia abdominalis* (Fabricius, 1798): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female. Frequent. Recorded on *Glauca maritima*, *Lysimachia numularia* and *L. vulgaris*.

*Taxonus agrorum* (Fallén, 1808): Čamovce (Csoma): valley under László-hegy, Malaise trap, 09. 05. – 28. 05. 2020, 1 male. Frequent. Hostplants: *Rubus idaeus* and *R. caesius*.

### Heterarthrinae

*Endelomyia aethiops* (Gmelin, 1790): Šurice (Sőreg): Gyertános, Malaise trap, 28. 04. – 09. 05. 2020, 1 female. Sporadic. Larva on *Rosa* spp.

### Blennocampinae

*Claremontia puncticeps* (Konow, 1889): Šurice (Sőreg): Gyertános, Malaise trap, 28. 04. – 09. 05. 2020, 1 female. Rather rare. Host plant: *Sanguisorba minor*.

*Claremontia waldheimii* (Gimmerthal, 1847): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 male. Frequent. Host plant: *Geum urbanum*.

*Eutomostethus ephippium* (Panzer, 1798): Hajnáčka část Gortva (Ajnácskő-Gortvapuszta): Szárkö, 27. 05. 2020, 1 female; Tachty (Tajti): valley under Meleg-hegy, 08. 05. 2020, 1 female; Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 2 males. Common, larva on Poaceae.

*Eutomostethus punctatus* (Konow, 1887): Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 22 males, 1 female. Rare. Larva on *Carex* spp. like *C. paniculata* and *C. brizoides*.

*Halidamia affinis* (Fallén, 1807): Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 2 females. Frequent. Hostplants: *Galium aparine* and *G. molugo*.

*Monophadnoides rubi* (Harris, 1845): Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 1 male. Generally frequent. Host plants: *Filipendula ulmaria*, *Geum* spp. and *Rubus* spp.

*Monophadnoides ruficruris* (Brullé, 1832): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 male. Frequent. Host plant: *Rubus fruticosus*.

*Monophadnus monticola* (Hartig, 1837): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female; Šurice (Sőreg): Gyertános, Malaise trap, 28. 04. – 09. 05. 2020, 1 female; Tachty (Tajti): valley under Meleg-hegy, Malaise trap, 08. 05. – 19. 05. 2020, 1 female. Sporadic. Larva on *Helleborus* spp.

*Pareophora pruni* (Linné, 1758): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 2 females. Frequent. Larva on *Prunus spinosa*.



*Stethomostus fuliginosus* (Schrank, 1781): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female. Frequent. Larva on *Ranunculus acris*, *R. repens* and *R. sceleratus*.

### Tenthredininae

*Aglaostigma (Astochus) fulvipes* (Scopoli, 1763): Šurice (Sőreg): Gyertános, Malaise trap, 28. 04. – 09. 05. 2020, 1 female, 09. 05. – 04. 06. 2020, 1 female. Common. Larva on *Galium mollugo* and *G. verum*.

*Macrophya (Macrophya) annulata* (Geoffroy, 1785): Čamovce (Csoma): valley under László-hegy, Malaise trap, 09. 05. – 28. 05. 2020, 4 males; Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 2 males, 30. 05. – 24. 06. 2020, 1 female. Frequent. Larva on *Potentilla reptans*, *Origanum vulgare*, *Euphorbia*, *Rosa*, *Rubus* and *Sambucus* spp.

*Macrophya (Macrophya) albicincta* (Schrank, 1776): Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 female. Common. Hostplants: *Sambucus ebulus*, *S. nigra*, *S. racemosa*, *Valeriana officinalis* and *Viburnum opalus*.

*Macrophya (Macrophya) duodecimpunctata duodecimpunctata* (Linné, 1758): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 19. 05. – 30. 05. 2020, 1 female. Common. Hostplants: *Graminae*, *Cyperaceae* and *Carex* spp.

*Macrophya (Macrophya) montana* (Scopoli, 1763): Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 2 females, 6 males; Hajnáčka časť Gortva (Ajnácskő-Gortvapuszta): Szárkő, 27. 05. 2020, 4 males; Čamovce (Csoma): Elővölgy, 01. 06. 2020, 2 males; Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 male; Stará Bašta (Óbást): NPR Pohanský hrad (Pogányvár), 05. 06. 2020, 1 male. Common. Hostplant: *Rubus caesius*.

*Macrophya (Pseudomacrophya) punctumalbum* (Linné, 1767): Hajnáčka časť Gortva (Ajnácskő-Gortvapuszta): Szárkő, 27. 05. 2020, 2 females. Sporadic. Hostplants: *Fraxinus* spp. and *Ligustrum* spp.

*Macrophya (Macrophya) sanguinolenta* (Gmelin, 1790): Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 female. Sporadic. Larva on *Galeopsis* spp., *Senecio* spp. and *Veronica* spp.

*Macrophya (Macrophya) teutona* (Panzer, 1799): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 19. 05. – 30. 05. 2020, 1 female. Sporadic. Larva on *Euphorbia* spp.

*Pachyprotasis rapae* (Linné, 1767): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female; Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 2 females. Frequent, earlier common species. Hostplants: *Solanum tuberosum*, *Pedicularis palustris*, *Angelica sylvestris*, *Veronica beccabunga*, *Betonica officinalis*, *Corylus avellana*, *Salix caprea*, *Fraxinus excelsior*, *Tussilago farfara*, *Symphoricarpos albus*, *Scrophularia*, *Solidago*, *Verbascum*, *Origanum*, *Atropa*, *Sarothamnus*, *Senecio*, *Polygonum*, *Aspidium*, *Epilobium*, *Hypericum*, *Galeopsis*, *Mentha*, *Polystichum*, *Plantago*, *Quercus* and *Stachys* spp.

*Rhogogaster (Cytisogaster) genistae* Benson, 1947: Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 8 females; 19. 05. – 30. 05. 2020, 1 female. Rare in the Carpathian Basin. Hostplants: *Sarothamnus scoparius*, *Lembotropis nigricans*, *Genista tinctoria*, *Genista germanica*.

*Rhogogaster (Rhogogaster) scalaris* (Klug, 1817): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female; Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 1 female. Frequent. Hostplants: *Pteridium aquilinum*, *Alnus glutinosa*, *Circaea*, *Prunus* spp., *Ranunculus*

spp., *Rosa* spp., *Salix alba*, *S. purpurea*, *Stellaria* spp., *Filipendula ulmaria*, *Populus tremula*, *Padus* spp., *Betula* spp., *Corylus avellana* and *Sorbus* spp.

*Tenthredo* (*Cephaledo*) *bifasciata* ssp. *rossii* (Panzer, 1803): Hajnáčka (Ajnácskő): Békástó, 09. 06. 2020, 1 female. Frequent. Host plants: *Scrophularia* and *Verbascum* spp.

*Tenthredo* (*Tenthredo*) *scrophulariae* Linné, 1758: Stará Bašta (Óbást): NPR Pohanský hrad (Pogányvár), 05. 06. 2020, 1 female. Sporadic. Larva on *Scrophularia* spp., *Buddleja alternifolia*, *Buddleja davidi* and *Verbascum* spp.

*Tenthredo* (*Zonuledo*) *distinguenda* (Stein, 1885): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female. Frequent. Host plant unknown.

*Tenthredo* (*Zonuledo*) *zonula* Klug, 1817: Hajnáčka část' Gortva (Ajnácskő-Gortvapuszta): Szárkő, 27. 05. 2020, 1 male; Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 1 male. Frequent. Hostplant: *Hypericum perforatum*.

*Tenthredopsis friesei* (Konow, 1884): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 19. 05. – 30. 05. 2020, 1 male; Čamovce (Csoma): valley under László-hegy, Malaise trap, 09. 05. – 28. 05. 2020, 2 males. Frequent. Host plants: *Holcus mollis* and other Poaceae.

*Tenthredopsis litterata* (Geoffroy, 1785): Gemerské Dechtáre (Détér): Nagymál-oldal, 30. 05. 2020, 1 female; Hajnáčka (Ajnácskő): Békástó, 09. 06. 2020, 1 female; Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 male. Frequent. Larva on *Agrostis*, *Dactylis* and *Calamagrostis* spp.

*Tenthredopsis nassata* (Linné, 1767): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 19. 05. – 30. 05. 2020, 2 females, 1 male. Frequent. Hostplants: *Dactylis glomerata*, *Deschampsia caespitosa*, *D. calamagrostis*, *Flexuosa* spp., *Holcus* spp., *Lolium perenne*, *Agropyron* spp., *Carex* spp., *Anthriscus silvestris* and *Artemisia* spp.

*Tenthredopsis ornata* (Serville, 1823): Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 2 females, 4 males; Čamovce (Csoma): valley under László-hegy, Malaise trap, 09. 05. – 28. 05. 2020, 1 male. Frequent. Larva on *Brachypodium sylvaticum*.

*Tenthredopsis stigma* (Fabricius, 1798): Čamovce (Csoma): Elővölgy, 01. 06. 2020, 1 male; Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 male. Frequent. Hostplant: *Triticum intermedium*.

*Tenthredopsis sordida* (Klug, 1817): Tachty (Tajti): valley under Meleg-hegy, 08. 05. 2020, 1 male; Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female; Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 female. Frequent. Larva on *Arrhenatherum elatius*, *Lolium perene*, *Carex* spp., *Calamagrostis* spp. and *Dactylis glomerata*.

*Tenthredopsis tarsata* (Fabricius, 1804): Hajnáčka část' Gortva (Ajnácskő-Gortvapuszta): Szárkő, 27. 05. 2020, 1 female. Frequent. Host plants: Poaceae, particularly *Brachypodium sylvaticum*.

### Nematinae

*Cladius* (*Priophorus*) *brullei* (Dahlbom, 1835): Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 female. Frequent. Larva on *Rubus* spp.

*Cladius* (*Cladius*) *pectinicornis* (Geoffroy, 1785): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 2 females, 19. 05. – 30. 05. 2020, 2 females, 1 male, 30. 05. – 24. 06. 2020, 3 females; Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 male. Frequent. Hostplant: *Rubus* spp.

*Euura myosotidis* (Fabricius, 1804) (= *Nematus myosotidis* F.): Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 1 female; Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 5 females; Tachty (Tajti): valley under Meleg-hegy, 08. 05. 2020, 5 females; Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 2 males; Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 19. 05. – 30. 05. 2020, 1 male. Common. Larval hosts: *Onobrychis* and *Trifolium* spp.

*Euura vaga* (Fabricius, 1781) (= *Pachynematus vagus* F.): Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 female. Larva on *Carex* spp. Frequent.

*Euura viridissima* (Möller, 1882) (= *Nematus viridissimus* Möll.): Tachty (Tajti): valley under Meleg-hegy, Interception trap, 25. 05. – 07. 06. 2020, 1 male. Larva on *Alnus*. Sporadic.

*Nematus lucidus* (Panzer, 1801): Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 2 females. Frequent. Larva on *Crataegus* and *Prunus spinosa*.

*Pristiphora (Pristiphora) pallidiventris* (Fallén, 1808): Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 female. Frequent. Larva on *Geum*, *Potentilla*, *Rubus* and *Filipendula* spp.

*Pristiphora (Pristiphora) armata* (C.G. Thomson, 1862): Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 male. Frequent. Larva on *Crataegus* spp.

*Pristiphora insularis* Rohwer, 1910: Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 1 female. Sporadic. Larva on *Amelanchier asiatica*, *Chaenomeles japonica*, *Rosa* spp., *Rosa majalis*, *Rosa pimpinellifolia* and *Rosa onoei*.

*Pristiphora rufipes* Serville, 1823: Gemerské Dechtáre (Détér): Nagymál-oldal, Malaise trap, 02. 05. – 19. 05. 2020, 3 males. Host plants: *Aquilegia vulgaris*, *A. chrysantha*, *A. caerulea*, *A. canadensis*, *A. flabellata*, *A. olympica*, *Ribes uva-crispa* and *R. rubrum*. Sporadic.

*Stauronematus platycerus* (Hartig, 1840): Šurice (Sőreg): Gyertános, Malaise trap, 09. 05. – 04. 06. 2020, 1 female. Host plants: *Populus tremula* and *Salix* spp. The only European sawfly whose larva erects a palisade of dried saliva around its feeding place. Frequent.

## Discussion

This year 281 specimens of 75 species were collected. The detected species richness of Cerová vrchovina increased up to 113 species. Although it is a solid number, it is pretty far from the real species richness of this region.

### *Dominant species*

The dominant species is *Allantus (Emphytus) didymus* (Klug, 1818) with 57 males and 2 females collected by Malaise trap. This high number of this species is not typical at all. *Allantus didymus* Knw. is generally sporadic, not common. It seems, the Malaise trap had special attraction to the males of this species.

The high density of *Eutomostethus punctatus* (Konow, 1887) with 22 males and 1 female were even more interesting, since this species is rare in the Carpathian Basin and we have only 2 records from Slovakia, see for details the rare species entry in this paper.

Also surprising the high detected density of the sporadic *Athalia rufoscutellata* Mocsáry, 1879 with 10 females, 5 males.

From the species with high density captured this year, only *Macrophya montana* (Scopoli, 1763) and *Euura myosotidis* (Fabricius, 1804) are frequent in Slovakia (and also in Europe) with 14 males, 2 females and 11 females, 3 males, respectively.

These species, in total: 127 specimen makes the 45% of the total 281 specimen collected in this season.

### *Rare species*

*Rhogogaster genistae* (Benson, 1947). From Slovakia, it is only known form Čičov (Csicsó), the high number of specimens captured in Gemerské Dechtáre (Détér): Nagymál-oldal is surprising. Other records from the Carpathian Basin: from Hungary: Nagykovácsi, Mórahalom, Pécs; from the Czech Carpaths: Bílé Karpaty PLA: NNR Čertoryje, NR Hutě, from Transylvania: Homoródszentpál (Sanpaul), Ivó: Ivó patak (Izovare), Szászka (Sasca Montana). Widely distributed European species (Figs. 7 and 8).

*Macrophya teutona* (Panzer, 1799). Widely distributed, but rare species. We have records from Trenčín (Trencsén), Vieska nad Žitavou, Devínska Kobyla (Pozsony: Dévény), Čičov (Csicsó), Ivanka pri Dunaji (Pozsonyivánka), Jakubov (Nagyjakabfalva), Pernek, Štefanová (Istvánkirályfalva), NPR Devínska Kobyla (Pozsony: Dévény), NPP Devínska hradná skala, PR Ostrov Kopáč (Kopács sziget) and Slavnica (Szalonca). From Hungary, it is known from Kőszegi Mts., Nagykovácsi, Gézaháza, Szentgál, Nagyvisnyó, Ómassa, Simontornya, Kóspallag and Nadap. From Transylvania, it is known from Bongárd (Bungard), Resicza, Selimbar and Nagyszeben. We have indefinite record from Subcarpathia. We have further data from Styria (Weinburg) and from the Polish Tatras: Droginia. It is a widely distributed European species (Fig. 9).

*Eutomostethus punctatus* (Konow, 1887). Known occurrences from the Carpathian Basin: from Austria: Wolfs a. Neusiedlersee; from Slovakia: Šaštín (Sasvár) and PR Jurské jazero (Bratislava: Svätý Jur, Pozsony: Szentgyörgy); from Hungary: Zempléni hegység, Nagyvisnyó, Istvánkút, Csörötnek, Szentá, Berzence, Kaszó, Tarany, Vízvár and Nagyrákos. Rare in Slovakia, sporadic in Hungary. Palaearctic species: It occurs in Europe and Asia (China) only, it hasn't been recorded from North Africa yet.



Fig. 7: *Rhogogaster (Cytisogaster) genistae* Benson, 1947  
(photo: L. Ábrahám)



Fig. 8: *Rhogogaster (Cytisogaster) genistae* Benson, 1947 head in frontal view  
(photo: L. Ábrahám)



**Fig. 9: *Macrophyta (Macrophyta) teutona* (Panzer, 1799)  
(photo: L. Ábrahám)**

*Aneugmenus coronatus* (Klug, 1818): From Slovakia, it is reported from Hriňová (Herencsvölgy), Javorina (Balázsvágás), Limbach (Limpak), Mošovce (Mosóc), Štefanová (Istvánkirályfalva) and Sekule (Székelyfalva). From Hungary, we have record from Kőrishegy, Kőszeg, Szentá, Tarany and Darány. It's distribution in Transylvania: Resinár (Rasinari), Nagy Égett Kő (Mt. Tibles), Nagyszeben (Sibiu) and Magura (Scobiola-Palade, 1967). From Subcarpathia, it is recorded from Zakarpatskaya obl., Apsinec, Berlebán (Kosztilevka), Alsóláz (Laz), Rahó (Rakhiv) and Uglya (Ugla). Also, we have indefinite record from NE Croatia. Palaearctic species: it is widely distributed in Europe and also recorded from China.

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