

CONTRIBUTION TO THE DIPTERA FAUNA OF SALAJ COUNTY (ROMANIA)

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ABSTRACT: Diptera specimens were collected between 2014–2015 and some Polineura species between 2004–2013. We investigated our research in 76 localities in Sălaj Județul, Romania. Altogether 516 specimens of 141 species comprised of 37 Diptera families are reported from Sălaj Județul 15 species of them proved to be new to the Romanian fauna.

Keywords: Diptera; Sălaj Județul; Romania

INTRODUCTION:

In the last 20 years relatively few articles have been published about the flies (Diptera) of Romania. The country's higher altitude areas are better surveyed than the lower parts, such as Sălaj Județul. The Fauna Europaea Database contains 4566 Diptera species and subspecies from Romania (PAPE & BEUK 2013). After the Romanian Diptera Checklist (MOLDOVAN et al. 2007) only several articles have been published about a few families: Tephtitidae (KORNEYEV & PINTILIOAIE 2010), Opetiidae and Platypezidae (TKOC & ROHÁČEK 2014), Pediciidae (KOLCSAR et al. 2012), Cylindrotomidae (UJVÁROSI et al. 2011a), Tipulidae (TÖRÖK et al. 2013), Trichoceridae (UJVÁROSI & KRZEMINSKA 2002), and

Ptychopteridae (UJVÁROSI et al. 2011b)

MATERIAL AND METHODS:

Specimens examined in this study are deposited in the Hungarian Natural History Museum, Hungary (HNHM) and in the Diptera Collection of the Faculty of Biology and Geology, Cluj-Napoca, Romania (DCFBG). The vast majority of the specimens were collected between 2014–2015 and some Polineura species between 2004–2013. We investigated our research in 76 localities in Sălaj Județul, Romania (Figure 1.). Adults were collected with an entomological hand net, light trap and aspirator. The specimens were pinned and have been identified with the help of a stereomicroscope.

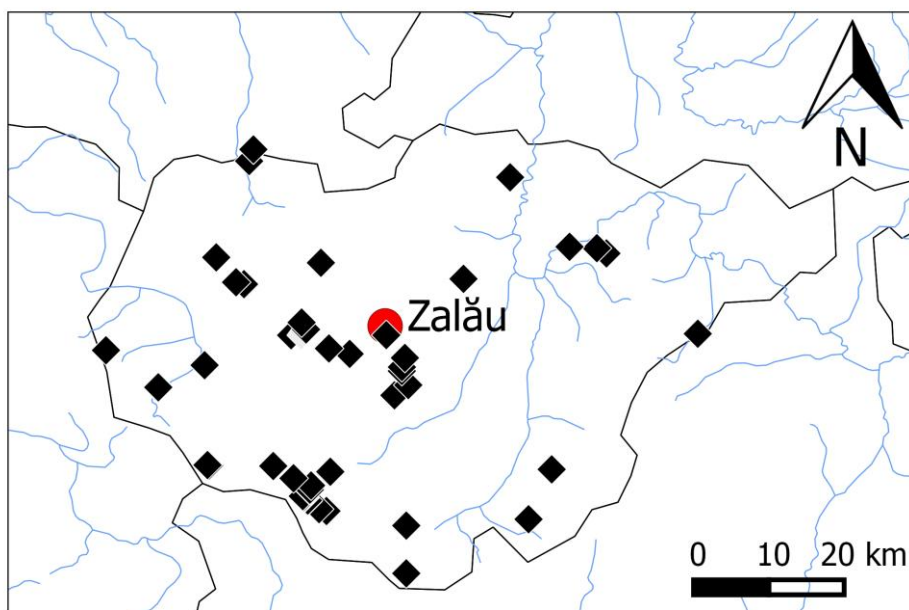


Fig.1. Collecting sites in Sălaj County

RESULTS:

Here we list the species, which were caught in Romania from 2004 to 2015. The species we marked with asterisk (*) proved to be new to the Romanian fauna.

Tipulidae

Nephrotoma aculeata (Loew, 1871): 1♀ Hășmaș ruderal habitat 272m N47.19021° E23.602021° 23.VIII.2011 entomological net Leg.: L. Kolcsár (DCFBG); 1♂ Șimleu Silvaniei Dealul Magura scrub 295m N47.236° E22.805117° 15.VI.2015 entomological net Leg.: E. Török, L.P. Kolcsár (DCFBG)

Nephrotoma appendiculata (Pierre, 1919): 1♂ Sâncraiu Almașului Pârâul Almașului small brook with willow trees 313m N46.964899° E23.312218° 23.IV.2013 entomological net Leg.: L. Kolcsár (DCFBG); 1♂ Munții Plopiș Halmasd (Halmăș) hornbeam (*Carpinus*) forest 360m N47.153266° E22.565462° 18.IV.2006 entomological net Leg.: L. Keresztes (DCFBG); 1♂ Șimleu Silvaniei Dealul Magura scrub 295m N47.236° E22.805117° 15.VI.2015 entomological net Leg.: E. Török, L.P. Kolcsár (DCFBG); 1♂ Surduc pasture N47.291° E23.374° 11.V.2015 sweeping and beating, No. 165 No. 165 Leg.: A. Grabant, O. Merkl, A. Podlussány, V. Szöke (HNHM); 1♂ Crasna Vârșolț Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM); 1♂ Aghireș N47.15716° E22.99252° 20.V.2014 light No.32 Leg.: G. Katona (HNHM)

Nephrotoma cornicina (Linnaeus, 1758): 2♀ Munții Meseș Zilah (Zalău) beech (*Fagus*) forest 600m N47.142944° E23.084651° 28.VII.2012 entomological net Leg.: E. Török, L.P. Kolcsár (DCFBG)

Nephrotoma crocata (Linnaeus, 1758): 1♀ Cliț hornbeam-oak forest N47.284° E23.439° 11.V.2015 hand coll. No.170 Leg.: Grabant A., Merkl O., Szöke V. (HNHM)

Nigrotipula nigra (Linnaeus, 1758): 1♂ Meseș Mts Huta 2.5 SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2015 No.69A Leg.: Z. Soltész (HNHM)

Tanyptera atrata (Linnaeus, 1758): 2♀ Meseș Mts Csăkyújfalu (Huta), Poic alder groove N46.98° E22.925° 2015.05.12 sweeping No.181 Leg.: A. Grabant, O. Merkl, V. Szöke (HNHM)

Tipula balcanica Vermoolen, 1983: 1♀ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Tipula helvola Loew, 1873: 2♂ Hășmaș ruderal habitat 272m N47.19021° E23.602021° 23.VIII.2011 entomological net Leg.: L. Kolcsár (DCFBG); 3♂ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Tipula hortorum Linnaeus, 1758: 1♀ Meseș Mts Csăkyújfalu (Huta), Poic alder groove N46.98° E22.925° 2015.05.12 sweeping No.181 Leg.: A. Grabant, O. Merkl, V. Szöke (HNHM)

Tipula lateralis Meigen, 1804: 1♂ Munții Meseș Zilah (Zalău) beech (*Fagus*) forest 600m N47.142944° E23.084651° 28.VII.2012 entomological net Leg.: E.

Török, L.P. Kolcsár (DCFBG); 1♂ Hășmaș ruderal habitat 272m N47.19021° E23.602021° 23.VIII.2011 entomological net Leg.: L. Kolcsár (DCFBG)

Tipula oleracea Linnaeus, 1751: 1♂ Munții Meseș Zilah (Zalău) beech (*Fagus*) forest 600m N47.142944° E23.084651° 28.VII.2012 entomological net Leg.: E. Török, L.P. Kolcsár (DCFBG); 1♂ Șimleu Silvaniei Dealul Magura scrub 295m N47.236° E22.805117° 15.VI.2015 entomological net Leg.: E. Török, L.P. Kolcsár (DCFBG)

Tipula soosi Mannheims, 1954: 1♂ Surduc pasture N47.291° E23.374° 11.V.2015 sweeping and beating, No. 165 No. 165 Leg.: A. Grabant, O. Merkl, A. Podlussány, V. Szöke (HNHM)

Tipula truncata Loew, 1873: 1♂ Hășmaș ruderal habitat 272m N47.19021° E23.602021° 23.VIII.2011 entomological net Leg.: L. Kolcsár (DCFBG); 4♂ 2♀ Aghireș W of Aghires 320m N47.156611° E22.990925° 29.V.2015 No.212 Leg.: Zs. Bálint, G. Katona, A. Gubányi (HNHM); 1♀ Crasna Vârșolț Reservoir dry grassland 240m N47.178° E22.908° 2014.06.02 No.58 Leg.: Soltész Z. (HNHM)

Tipula vernalis Meigen, 1804: 1♂ Derșida pasture N47.398° E22.814° 10.V.2015 sweeping No.161 Leg.: A. Podlussány (HNHM)

Limoniidae

Achrylomonium decemmaculata (Loew, 1873): 1♂ Munții Plopiș Halmasd (Halmăș) hornbeam (*Carpinus*) forest 360m N47.153266° E22.565462° 18.IV.2006 entomological net Leg.: L. Keresztes (DCFBG)

Austrolimnophila ochracea (Meigen, 1804): 1♂ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Dicranomyia mitis (Meigen, 1830): 4♂ Sâncraiu Almașului Pârâul Almașului small brook with willow trees 313m N46.964899° E23.312218° 23.IV.2013 entomological net Leg.: L. Kolcsár (DCFBG); 2♂ Munții Meseș Zilah (Zalău) beech (*Fagus*) forest 600m N47.142944° E23.084651° 28.VII.2012 entomological net Leg.: E. Török, L.P. Kolcsár (DCFBG); 1♂ Munții Plopiș Halmasd (Halmăș) hornbeam (*Carpinus*) forest 360m N47.153266° E22.565462° 18.IV.2006 entomological net Leg.: L. Keresztes (DCFBG); 1♂ Șimleu Silvaniei Dealul Magura scrub 295m N47.236° E22.805117° 15.VI.2015 entomological net Leg.: E. Török, L.P. Kolcsár (DCFBG)

Dicranomyia modesta (Meigen, 1818): 1♂ 1♀ Sâncraiu Almașului Pârâul Almașului small brook with willow trees 313m N46.964899° E23.312218° 23.IV.2013 entomological net Leg.: L. Kolcsár (DCFBG); 1♂ Munții Meseș Zilah (Zalău) beech (*Fagus*) forest 600m N47.142944° E23.084651° 28.VII.2012 entomological net Leg.: E. Török, L.P. Kolcsár (DCFBG); 2♂ Munții Plopiș Halmasd (Halmăș) hornbeam (*Carpinus*) forest 360m N47.153266° E22.565462° 18.IV.2006 entomological net Leg.: L. Keresztes (DCFBG)

Dicranomyia tristis (Schummel, 1829): 1♂ Aghireș W of Aghires 320m N47.156611° E22.990925° 29.V.2015 No.212 Leg.: Zs. Bálint, G. Katona, A. Gubányi (HNHM)

Epiphragma ocellare (Linnaeus, 1760): 1♂

Sâncraiu Almaşului Pârâul Almaşului small brook with willow trees 313m N46.964899° E23.312218° 23.IV.2013 entomological net Leg.: L. Kolcsár (DCFBG); 1♀ Munţii Plopiş Halmasd (Halmăş) hornbeam (*Carpinus*) forest 360m N47.153266° E22.565462° 18.IV.2006 entomological net Leg.: L. Keresztes (DCFBG); 1♂ Şimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Hexatoma grisea (Riedel, 1914): 1♂ Iaz covered creek 325m N47.111° E22.657° 3.VI.2014 No. 61B Leg.: Z. Soltész (HNHM)

Limnophila pictipennis (Meigen, 1818): 2♂ Munţii Meseş Zilah (Zalău) beech (*Fagus*) forest 600m N47.142944° E23.084651° 28.VII.2012 entomological net Leg.: E. Török, L.P. Kolcsár (DCFBG); 2♂ Munţii Plopiş Halmasd (Halmăş) hornbeam (*Carpinus*) forest 360m N47.153266° E22.565462° 18.IV.2006 entomological net Leg.: L. Keresztes (DCFBG); 1♂ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM)

Limonia nubeculosa Meigen, 1804: 5♂ 2♀ Munţii Meseş Zilah (Zalău) beech (*Fagus*) forest 600m N47.142944° E23.084651° 28.VII.2012 entomological net Leg.: E. Török, L.P. Kolcsár (DCFBG)

Limonia pannonica (Kowarz, 1868): 1♂ 1♀ Munţii Meseş Zilah (Zalău) beech (*Fagus*) forest 600m N47.142944° E23.084651° 28.VII.2012 entomological net Leg.: E. Török, L.P. Kolcsár (DCFBG)

Limonia phragmitidis (Schrank, 1781): 1♀ Ugrutiu N47.025° E23.3508° 27.V.2015 light trap No.211 Leg.: Zs. Bálint (HNHM); 1♀ Aghireş 320m N47.156611° E22.990925° 29.V.2015 No.212 Leg.: Zs. Bálint, G. Katona, A. Gubányi (HNHM); 2♂ Meseş Mts Huta 1.5km SW of Huta beech forest 570m N46.994° E22.929° 4.VI.2004 No.67B Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♂ Meseş Mts Huta 2.5km SW of Huta wet meadow at Poicu stream 600m N46.985° E22.919° 4.VI.2014 No.69B Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Ptychopteridae

Ptychoptera contaminata (Linnaeus, 1758): 1♂ Sâncraiu Almaşului Pârâul Almaşului small brook with willow trees 313m N46.964899° E23.312218° 23.IV.2013 entomological net Leg.: L. Kolcsár (DCFBG)

Ptychoptera handlirschi (Czižek, 1919): 2♂ Şimleu Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Chaoboridae

*Chaoborus crystallinus** (De Geer, 1794): 1♂ Crasna Vârşoţ Reservoir wet meadows 238m N47.1776° E22.8891° 15.VII.2015 No.236 Leg.: Z. Vas, P.G. Sulyán (HNHM); 6♂ 2♀ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 light No.58 Leg.: Z. Soltész (HNHM); 2♂ Jos N of Meseşenii de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♂ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 light No.60 Leg.: Z. Soltész (HNHM); 1♂

Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 light No.61 Leg.: Z. Soltész (HNHM); 1♂ 1♀ Iaz forest edges 320m N47.110° E22.659° 3.VI.2014 light No.61E Leg.: Z. Soltész (HNHM); 1♂ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 light No.62 Leg.: Z. Soltész (HNHM)

*Chaoborus flavicans** (Meigen, 1830): 4♀ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 light No.58 Leg.: Z. Soltész (HNHM)

*Chaoborus pallidus** (Fabricius, 1794): 4♀ Iaz forest edges 320m N47.110° E22.659° 3.VI.2014 light No.61E Leg.: Z. Soltész (HNHM)

Culicidae

Culex pipiens Linnaeus, 1758: 1♀ Iaz forest edges 320m N47.110° E22.659° 3.VI.2014 light No.61E Leg.: Z. Soltész (HNHM)

Culiseta annulata (Schrank, 1776): 4♀ Iaz forest edges 320m N47.110° E22.659° 3.VI.2014 light No.61E Leg.: Z. Soltész (HNHM)

Bibionidae

Biblio reticulatus Loew, 1846: 1♂ Meseş Mts Poic spruce plantation N46.971° E22.946° 12.V.2015 No.186 Leg.: A. Grabant, O. Merkl, V. Szöke (HNHM); 1♀ Meseş Mts Huta 2.5km SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2014 No.69A Leg.: Z. Soltész (HNHM)

Dilophus febrilis (Linnaeus, 1758): 1♀ Derşida pasture sweeping N47.398° E22.814° 10.V.2015 sweeping No.161 Leg.: A. Podlussány (HNHM); 1♀ Meseş Mts Poic wet meadow N46.980° E22.925° 12.V.2015 No.184 Leg.: A. Podlussány (HNHM)

Keroplastidae

Orfelia fasciata (Meigen, 1804): 1♀ Meseş Mts Pria SW slope of VF. Magura Priei pasture and forest edge 890m N47.007° E22.900° 4.VI.2014 No.68 Leg.: Z. Soltész (HNHM); 1♂ Şimleu Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Tabanidae

Atylotus fulvus (Meigen, 1820): 1♀ Şimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Atylotus loewianus Villeneuve, 1920: 1♂ Treznea alongside creek 366m N47.1091° E23.0728° 14.VII.2015 No.228 Leg.: P.G. Sulyán, Z. Vas (HNHM)

Atylotus rusticus (Linné, 1767): 2♀ Crasna Vârşoţ Reservoir wet meadows 238m N47.1776° E22.8891° 15.VII.2015 No.236 Leg.: Z. Vas, P. G. Sulyán (HNHM)

Chrysops caecutiens (Linnaeus, 1758): 1♀ Crasna Vârşoţ Reservoir wet meadows 238m N47.1776° E22.8891° 15.VII.2015 No.236 Leg.: Z. Vas, P. G. Sulyán (HNHM)

Chrysops flavipes Meigen, 1804: 1♀ Băbiu between Băbiu and Almaşu 340m N46.954° E23.099° 13.VIII.2014 No.92 Leg.: G. Katona, A. Orosz, G. Puskás (HNHM)

Haematopota italica Meigen, 1804: 1♀ Crasna Vârşoţ Reservoir wet meadows 238m N47.1776°

E22.8891° 15.VII.2015 No.236 Leg.: Z. Vas, P. G. Sulyán (HNHM)

Tabanus autumnalis Linnaeus, 1761: 1♀ Crasna Vârșoț Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM); 1♀ Crasna Vârșoț Reservoir wet meadows 238m N47.1776° E22.8891° 15.VII.2015 No.236 Leg.: Z. Vas, P. G. Sulyán (HNHM)

Tabanus quatuornotatus Meigen, 1820: 1♀ Șimleu Silvaniei forest edges 360-520m N47.239-47.244° E22.790-22.796° 5.VI.2014 No.72 Leg.: Z. Soltész (HNHM)

Stratiomyidae

Actina chalybea Meigen, 1804: 1♀ Cliț hombeam-oak forest N47.284° E23.439° 11.V.2015 sweeping No.171 Leg.: A. Podlussány (HNHM); 1♂ 1♀ Meseș Mts Poic wet meadow N46.980° E22.925° 12.V.2015 sweeping No.184 Leg.: A. Podlussány (HNHM)

*Allognosta vagans** (Loew, 1873): 1♂ Aghireș W of Aghireș xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: Z. Soltész (HNHM)

Chloromyia formosa (Scopoli, 1763): 1♀ Crasna Vârșoț Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM); 1♀ Crasna Vârșoț Reservoir wet meadows 238m N47.1776° E22.8891° 15.VII.2015 No.236 Leg.: Z. Vas, P. G. Sulyán (HNHM); 1♀ Meseș Mts Huta 2.5km SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2014 No.69A Leg.: Z. Soltész (HNHM); 1♂ Șimleu Silvaniei forest edges 360-520m N47.239-47.245° E22.790-22.797° 5.VI.2014 No.72 Leg.: Z. Soltész (HNHM)

Chloromyia speciosa (Macquart, 1834): 1♀ Zalău 274m N47.1807° E23.0559° 14.VII.2015 No.233 Leg.: Z. Vas, P. G. Sulyán (HNHM); 3♀ Șimleu Silvaniei forest edges 360-520m N47.239-47.244° E22.790-22.796° 5.VI.2014 No.72 Leg.: Z. Soltész (HNHM); 1♂ 1♀ Șimleu Silvaniei forest edges 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Microchrysa polita (Linnaeus, 1758): 1♀ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Nemotelus pantherinus (Linnaeus, 1758): 2♂ Crasna Vârșoț Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM); 1♂ Crasna Vârșoț Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM); 1♀ Jos N of Meseșenii de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♂ 1♀ Aghireș W of Aghireș xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: Z. Soltész (HNHM)

Pachygaster atra (Panzer, 1798): 1♀ Plopiș Mts Tusa springs above Tusa pasture at Barcău 640m N47.020° E22.749° 3.VI.2014 No.62 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Rhagionidae

Chrysopilus asiliformis (Preysslér 1791): 1♂ 1♀ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész

(HNHM)

Chrysopilus cristatus (Fabricius 1775): 1♀ Iaz covered creek 320m N47.111° E22.657° 3.VI.2014 No. 61B Leg.: Z. Soltész (HNHM); 1♂ Meseș Mts Huta 1km E of Huta grazed dry grassland 460m N47.015° E22.963° 4.VI.2014 No.66 Leg.: Z. Soltész (HNHM); 4♀ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Chrysopilus splendidus (Meigen, 1820): 1♀ Meseș Mts Huta 1.5km SW of Huta forest clearing 550m N46.999° E22.931° 4.VI.2014 No.67A Leg.: Z. Soltész (HNHM); 1♂ Băbiu between Băbiu and Almașu 340m N46.954° E23.099° 13.VIII.2014 No.89 Leg.: G. Katona, A. Orosz, G. Puskás (HNHM); 1♂ Băbiu between Băbiu and Almașu 340m N46.954° E23.099° 13.VIII.2014 No.90 Leg.: G. Katona, A. Orosz, G. Puskás (HNHM)

*Ptiolina obscura** (Fallén, 1814): 2♀ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Rhagio immaculatus Meigen, 1804: 1♂ Meseș Mts Huta 2.5km SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2014 No.69A Leg.: Z. Soltész (HNHM)

Rhagio latipennis (Loew, 1856): 1♂ Meseș Mts Huta 1.5km SW of Huta forest clearing 550m N46.999° E22.931° 4.VI.2014 No.67A Leg.: Z. Soltész (HNHM); 1♂ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Rhagio lineola Fabricius, 1794: 1♀ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Rhagio scolopaceus (Linnaeus, 1758): 1♀ Meseș Mts Huta 2.5km SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2014 No.69A Leg.: Z. Soltész (HNHM)

Rhagio tringarius (Linnaeus, 1758): 1♂ Valcău at Barcău River between Valcău de Jos and Boghiș meadows 240m N47.139° E22.739° 3.VI.2014 No. 64. Leg.: Z. Soltész (HNHM); 2♂ 2♀ Aghireș W of Aghireș xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: Z. Soltész (HNHM); 1♂ Meseș Mts Huta 2.5km SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2014 No.69A Leg.: Z. Soltész (HNHM)

Asilidae

Dioctria atricapilla Meigen, 1804: 2♂ Meseș Mts Huta 1km E of Huta grazed dry grassland 460m N47.015° E22.963° 4.VI.2014 No.66 Leg.: Z. Soltész (HNHM); 9♂ 2♀ Meseș Mts Pria SW slope of VF. Magura Priei pasture and forest edge 890m N47.007° E22.900° 4.VI.2014 No.68 Leg.: Z. Soltész (HNHM); 1♀ Meseș Mts Huta 2.5km SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2014 No.69A Leg.: Z. Soltész (HNHM); 1♀ Meseș Mts Huta 2.5km SW of Huta wet meadow at Poicu stream 600m N46.985° E22.919° 4.VI.2014 No.69B Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Dioctria cothurnata Meigen, 1820: 1♀ Meseș Mts Huta 2.5km SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2014 No.69A Leg.: Z. Soltész

(HNHM)

Dioctria harcyniae Loew, 1844: 4♂ 1♀ Meseş Mts Pria SW slope of VF. Magura Priei pasture and forest edge 890m N47.007° E22.900° 4.VI.2014 No.68 Leg.: Z. Soltész (HNHM)

Dioctria linearis (Fabricius, 1787): 1♂ Şimleu Silvaniei forest edge 300-520m N47.239-47.244° E22.790-22.796° 5.VI.2014 No.72 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♂ Derşida bushy pasture 200m N47.384° E22.807° 6.VI.2014 No.76 Leg.: Z. Soltész (HNHM)

Dioctria rufipes (De Geer, 1776): 1♂ Borla abandoned arable land N47.265° E22.938° 10.V.2015 sweeping No.162 Leg.: A. Grabant, O. Merkl, A. Podlussány, V. Szöke (HNHM); 3♀ Meseş Mts Pria SW slope of VF. Magura Priei pasture and forest edge 890m N47.007° E22.900° 4.VI.2014 No.68 Leg.: Z. Soltész (HNHM); 1♀ Meseş Mts Huta 2.5km SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2014 No.69A Leg.: Z. Soltész (HNHM)

Dysmachus bifurcus (Loew, 1848): 2♂ Meseş Mts Huta 1km E of Huta grazed dry grassland 460m N47.015° E22.963° 4.VI.2014 No.66 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Dysmachus fuscipennis (Meigen, 1820): 1♀ Valcău at Barcău River between Valcău de Jos and Boghiş meadows 240m N47.139° E22.739° 3.VI.2014 No. 64. Leg.: Z. Soltész (HNHM); 1♀ Iaz Mlaştina de la Iaz mixed vegetation 320m N47.1108° E22.6602° 16.VII.2015 No.250 Leg.: Z. Vas, P. G. Sulyán (HNHM); 4♂ 14♀ Aghireş W of Aghireş xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: Z. Soltész (HNHM)

Didysmachus picipes (Meigen, 1820): 1♂ 2♀ Meseş Mts Pria SW slope of VF. Magura Priei pasture and forest edge 890m N47.007° E22.900° 4.VI.2014 No.68 Leg.: Z. Soltész (HNHM); 1♀ Meseş Mts Huta 2.5km SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2014 No.69A Leg.: Z. Soltész (HNHM)

Leptogaster cylindrica (De Geer, 1776): 1♂ Meseş Mts Poic marshy meadow 597m N46.9842° E22.9199° 14.VII.2015 Leg.: Z. Vas et al. (HNHM); 1♀ Crasna Vârşolt Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM); 4♂ Crasna Vârşolt Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM); 1♂ Jos N of Meseşeni de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 2♂ Meseş Mts Huta 1km E of Huta grazed dry grassland 460m N47.015° E22.963° 4.VI.2014 No.66 Leg.: Z. Soltész (HNHM)

Bombyliidae

Bombylius ater Scopoli, 1763: 2♀ Plopiş Mts Tusa springs above Tusa pasture at Barcău 640m N47.020° E22.749° 3.VI.2014 No.62 Leg.: Z. Soltész (HNHM)

Bombylius fulvescens Wiedemann in Meigen, 1820: 1♂ 3♀ Aghireş W of Aghireş xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: Z. Soltész (HNHM)

Hemipenthes morio (Linnaeus, 1758): 1♂ 1♀

Şimleu Silvaniei forest edge 360-520m N47.239-47.244° E22.790-22.796° 5.VI.2014 No.72 Leg.: Z. Soltész (HNHM); 2♀ Şimleu Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Villa hottentotta (Linnaeus, 1758): 1♂ Şimleu Silvaniei forest edges 360-520m N47.239-47.244° E22.790-22.796° 5.VI.2014 No.72 Leg.: Z. Soltész (HNHM)

Hybotidae

Drapetis ephippiata (Fallén, 1815): 16♂ 3♀ Aghireş W of Aghireş xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♂ Iaz swamp 320m N47.111° E22.659° 3.VI.2014 No.61A Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♀ Iaz dry grassland 320m N47.110° E22.659° 3.VI.2014 netting No.61D Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♂ Plopiş Mts Tusa above Tusa pasture at Barcău 640m N47.020° E22.749° 3.VI.2014 No.62 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Brachystomatidae

Brachystoma vesiculosum (Fabricius, 1794): 2♀ Meseş Mts Pria SW slope of VF. Magura Priei pasture and forest edge 890m N47.007° E22.900° 4.VI.2014 No.68 Leg.: Z. Soltész (HNHM); 3♂ 2♀ Şimleu Silvaniei forest edges 360-520m N47.239-47.244° E22.790-22.796° 5.VI.2014 No.72 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 4♂ 5♀ Şimleu Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Platypezidae

Agathomyia antennata (Zetterstedt, 1819): 1♂ Şimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Callomyia amoena Meigen, 1824: 2♂ 1♀ Şimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Lindneromyia dorsalis (Meigen, 1804): 1♂ Şimleu Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Paraplatypeza atra (Meigen, 1804): 1♂ Şimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Syrphidae

Anasimyia interpuncta (Harris, 1776): 1♀ Iaz swamp 320m N47.111° E22.659° 3.VI.2014 No.61A Leg.: Z. Soltész (HNHM)

Baccha elongata Fabricius, 1775: 1♂ Iaz covered creek 320m N47.111° E22.657° 3.VI.2014 No. 61B Leg.: Z. Soltész (HNHM); 3♂ 1♀ Şimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Chrysotoxum elegans Loew, 1841: 1♀ Meseş Mts Huta 1km E of Huta grazed dry grassland 460m N47.015° E22.963° 4.VI.2014 No.66 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Chrysotoxum fasciatum (Müller, 1764): 2♀ Meseş

Mts Huta 1km E of Huta grazed dry grassland 460m N47.015° E22.963° 4.VI.2014 No.66 Leg.: Z. Soltész (HNHM)

Chrysotoxum intermedium Meigen, 1822: 1♀ Aghireş W of Aghireş xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: Z. Soltész (HNHM)

Chrysotoxum lineare (Zetterstedt, 1819): 1♂ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM); 1♂ Jos N of Meseşenii de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: Z. Soltész (HNHM)

Episyrrhus balteatus (De Geer, 1776): 1♂ Iaz covered creek 320m N47.111° E22.657° 3.VI.2014 No. 61B Leg.: Z. Soltész (HNHM); 1♀ Meseş Mts Zalău 482m N47.1540° E23.0895° 14.VII.2015 No.224 Leg.: Z. Vas et al. (HNHM); 1♀ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM)

Eristalis arbustorum (Linnaeus, 1758): 1♀ Vârşol Vârşol reservoir waterside 239m N47.1931° E22.9069° 17.VII.2015 No.253 Leg.: Z. Vas et al. (HNHM)

Eristalis similis Fallén, 1817: 1♂ Meseş Mts Pria SW slope of VF. Magura Priei pasture and forest edge 890m N47.007° E22.900° 4.VI.2014 No.68 Leg.: Z. Soltész (HNHM)

Eristalis tenax (Linnaeus, 1758): 1♂ Plopiş Mts Tusa springs above Tusa pasture at Barcău 640m N47.020° E22.749° 3.VI.2014 No.62 Leg.: Z. Soltész (HNHM)

Melanostoma mellinum (Linnaeus, 1758): 1♂ Meseş Mts Huta creek valley, beech forest 572m N46.9936° E22.9285° 14.VII.2015 No.236 Leg.: Z. Eröss, A. Kenéz, P.G. Sulyán, Z. Vas (HNHM); 1♂ Iaz swamp 320m N47.111° E22.659° 3.VI.2014 No.61A Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♀ Iaz dry garssland 320m N47.110° E22.659° 3.VI.2014 netting No.61D Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 2♀ Cizer 510m N47.021° E22.864° 12.VIII.2014 No.76 Leg.: G. Katona, A. Orosz, G. Puskás (HNHM)

Melanostoma scalare (Fabricius, 1794): 1♂ Meseş Mts Zalău 482m N47.1540° E23.0895° 14.VII.2015 No.224 Leg.: Z. Vas et al. (HNHM); 1♂ Meseş Mts Tresnea beech forest 565m N47.1383° E23.0847° 14.VII.2015 No.226 Leg.: Z. Vas et al. (HNHM); 1♀ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM); 1♀ Iaz forest edges 320m N47.110° E22.659° 3.VI.2014 light No.61E Leg.: Z. Soltész (HNHM); 1♀ Şimleu Silvaniei forest edges 360-520m N47.239-47.245° E22.790-22.797° 5.VI.2015 No.72 Leg.: Z. Soltész (HNHM); 1♂ Şimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Neoascia podagrica (Fabricius, 1775): 1♀ Treznea alongside creek 366m N47.1091° E23.0728° 14.VII.2015 No.228 Leg.: P.G. Sulyán, Z. Vas (HNHM)

Sphaerophoria scripta (Linnaeus, 1758): 1♀ Treznea alongside creek 366m N47.1091° E23.0728° 14.VII.2015 No.228 Leg.: P.G. Sulyán, Z. Vas

(HNHM); 1♂ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VII.2014 No.58 Leg.: Soltész Z. (HNHM); 1♂ Jos N of Meseşenii de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: Z. Soltész (HNHM); 1♀ Meseş Mts Huta 1km E of Huta grazed dry grassland 460m N47.016° E22.964° 4.VI.2015 No.66 Leg.: Z. Soltész (HNHM); 1♀ Derşida bushy pasture 200m N47.384° E22.807° 6.VI.2014 No.76 Leg.: Z. Soltész (HNHM)

Sphegina elegans Schummel, 1843: 1♂ Şimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Syritta pipiens (Linnaeus, 1758): 1♂ Meseş Mts Tresnea rocky roadside 391m N47.1217° E23.0966° 14.VII.2015 No.227 Leg.: Z. Vas, P. G. Sulyán (HNHM); 1♂ Treznea alongside creek 366m N47.1091° E23.0728° 14.VII.2015 No.228 Leg.: P.G. Sulyán, Z. Vas (HNHM); 1♂ Iaz Mlaştina de la Iaz mixed vegetation 320m N47.1108° E22.6602° 16.VII.2015 No.250 Leg.: Z. Vas, P. G. Sulyán (HNHM); 1♂ Vârşol Vârşol reservoir waterside 239m N47.1931° E22.9069° 17.VII.2015 No.253 Leg.: Z. Vas et al. (HNHM); 1♂ Aghireş W of Aghireş xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: Z. Soltész (HNHM)

Volucella inflata (Fabricius, 1794): 1♂ Şimleu Silvaniei forest edges 360-520m N47.239-47.244° E22.790-22.796° 5.VI.2014 No.72 Leg.: Z. Soltész (HNHM)

Volucella pellucens (Linnaeus, 1758): 1♀ Şimleu Silvaniei forest edges 360-520m N47.239-47.244° E22.790-22.796° 5.VI.2014 No.72 Leg.: Z. Soltész (HNHM)

Xanthogramma pedisseguum (Harris, 1776): 1♂ 3♀ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM); 4♀ Meseş Mts Huta 1km E of Huta grazed dry grassland 460m N47.015° E22.963° 4.VI.2014 No.66 Leg.: Z. Soltész (HNHM)

Pipunculidae

*Clistoabdominalis ruralis** (Meigen, 1824): 1♂ Crasna Vârşoţ Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM)

*Dorylomorpha confusa** (Verrall, 1901): 1♂ Meseş Mts Poic wet meadow N46.980° E22.925° 12.V.2015 No.184 Leg.: A. Podlussány (HNHM)

Eudorylas coloratus (Becker, 1898): 1♂ Iaz Mlaştina de la Iaz mixed vegetation 320m N47.1108° E22.6602° 16.VII.2015 No.250 Leg.: Z. Vas, P. G. Sulyán (HNHM)

*Eudorylas fuscus** (Zetterstedt, 1844): 1♂ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM); 1♂ 1♀ Jos N of Meseşenii de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♂ Meseş Mts Mesteacănu 4.5km W of Mesteacănu 600m N46.969° E22.959° 13.VIII.2014 No.86 Leg.: G. Katona, A. Orosz, G. Puskás (HNHM)

*Eudorylas subfascipes** Collin, 1956: 1♀ Cliţ hombeak-oak forest N47.284° E23.439° 11.V.2015

sweeping No.171 Leg.: A. Podlussány (HNHM)

*Eudorylas zermattensis** (Becker, 1898): 1♂ Crasna Vârșoț Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM)

*Pipunculus campestris** Latreille, 1805: 3♂ 1♀ Șimleu Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Tomosvaryella coquilletti (Kertész, 1907): 1♂ Derșida pasture N47.398° E22.814° 10.V.2015 sweeping No.161 Leg.: A. Podlussány (HNHM)

Tomosvaryella sylvatica (Meigen, 1824): 1♀ Meseș Mts Pria SW slope of VF. Magura Priei pasture and forest edge 890m N47.007° E22.900° 4.VI.2014 No.68 Leg.: Z. Soltész (HNHM); 1♀ Sfâras 400m N46.897° E23.101° 13.VIII.2014 No.88 Leg.: G. Katona, A. Orosz, G. Puskás (HNHM)

Micropezidae

Micropeza corrigiolata (Linnaeus, 1767): 3♂ Crasna Vârșoț Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM); 1♂ Meseș Mts Huta 1.5km SW of Huta beech forest 570m N46.994° E22.929° 4.VI.2012 No.67B Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Neria cibaria (Linnaeus, 1761): 1♂ Iaz covered creek 320m N47.111° E22.657° 3.VI.2014 No. 61B Leg.: Z. Soltész (HNHM); 7♂ 1♀ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Conopidae

Melanosoma bicolor (Meigen, 1824): 1♂ Cehei Pond Nature Reserve wet meadow 200m N47.268° E22.754° 5.VI.2014 No.74 Leg.: Z. Soltész (HNHM)

Myopa picta Panzer, 1798: 1♀ Borla abandoned arable N47.265° E22.938° 10.V.2015 sweeping No.162 Leg.: A. Grabant, O. Merkl, A. Podlussány, V. Szóke (HNHM)

Sicus ferrugineus (Linnaeus, 1761): 1♂ 1♀ Cehei Pond Nature Reserve wet meadow 200m N47.268° E22.754° 5.VI.2014 No.74 Leg.: Z. Soltész (HNHM)

Thecophora atra (Fabricius, 1775): 1♀ Șimleu Silvaniei forest edges 360-520m N47.239-47.245° E22.790-22.797° 5.VI.2015 No.72 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Thecophora pusilla (Meigen, 1824): 1♀ Aghireș W of Aghireș xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: Z. Soltész (HNHM)

Platystomatidae

Platystoma seminationis (Fabricius, 1775): 2♀ Meseș Mts Huta 2.5km SW of Huta wet meadow at Poicu stream 600m N46.985° E22.919° 4.VI.2014 No.69B Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 2♂ 4♀ Șimleu Silvaniei forest edges 360-520m N47.239-47.245° E22.790-22.797° 5.VI.2015 No.72 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 2♀ Șimleu Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Tephritidae

Chaetorellia jaceae group: 1♂ Crasna Vârșoț Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM); 2♀ Jos N of Meseșenii de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: Z. Soltész (HNHM); 3♂ Meseș Mts Huta 1km E of Huta grazed dry grassland 460m N47.015° E22.963° 4.VI.2014 No.66 Leg.: Z. Soltész (HNHM)

Chaetostomella cylindrica (Robineau-Desvoidy, 1830): 2♂ Meseș Mts Poic wet meadow N46.980° E22.925° 12.V.2015 sweeping No.184 Leg.: A. Podlussány (HNHM); 1♂ Meseș Mts Huta 2.5km SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2014 No.69A Leg.: Z. Soltész (HNHM)

Dioxya bidentis (Robineau-Desvoidy, 1830): 2♂ 1♀ Crasna Vârșoț Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM)

Dithryca guttularis (Meigen, 1826): 2♂ 1♀ Meseș Mts Pria SW slope of VF. Magura Priei pasture and forest edge 890m N47.007° E22.900° 4.VI.2014 No.68 Leg.: Z. Soltész (HNHM)

Myopites inulaedysentericae Blot, 1927: 1♂ 2♀ Aghireș W of Aghireș xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: Z. Soltész (HNHM)

*Noeeta pupillata** (Fallen, 1814): 2♂ Șimleu Silvaniei forest edges 360-520m N47.239-47.245° E22.790-22.797° 5.VI.2015 No.72 Leg.: Z. Soltész (HNHM)

Oxya flavipennis (Loew, 1844): 1♂ Jos N of Meseșenii de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: Z. Soltész (HNHM); 3♂ 1♀ Cehei Pond Nature Reserve wet meadow 200m N47.268° E22.754° 5.VI.2014 No.74 Leg.: Z. Soltész (HNHM)

Tephritis acanthiophilopsis Hering, 1938: 1♂ Crasna Vârșoț Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM)

Terellia tussilaginis (Fabricius, 1775): 1♀ Iaz Mlaștina de la Iaz mixed vegetation 320m N47.1108° E22.6602° 16.VII.2015 No.250 Leg.: Z. Vas, P. G. Sulyán (HNHM)

Urophora quadrifasciata (Meigen, 1826): 1♀ Crasna Vârșoț Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM); 2♀ Jos N of Meseșenii de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: Z. Soltész (HNHM); 2♂ 1♀ Aghireș W of Aghireș xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: Z. Soltész (HNHM); 1♀ Iaz dry grassland 320m N47.110° E22.659° 3.VI.2014 netting No.61D Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Urophora stylata (Fabricius, 1775): 1♀ Crasna Vârșoț Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM); 2♀ Jos N of Meseșenii de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: Z. Soltész (HNHM); 1♂ 1♀ Iaz dry grassland 320m N47.110° E22.659° 3.VI.2014 netting No.61D Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Pallopteridae

Paloptera ustulata Fallén, 1820: 2♂ Șimleu Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Sepsidae

Sepsis fulgens Meigen, 1826: 1♀ Derșida pasture N47.398° E22.814° 10.V.2015 sweeping No.161 Leg.: A. Podlussány (HNHM); 1♂ Meseș Mts Huta 2.5km SW of Huta wet meadow at Poicu stream 600m N46.985° E22.919° 4.VI.2014 No.69B Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Sepsis orthocnemis Frey, 1908: 1♀ Jos N of Meseșeni de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Sepsis punctum (Fabricius, 1794): 1♀ Iaz covered creek 320m N47.111° E22.657° 3.VI.2014 No. 61B Leg.: Z. Soltész (HNHM); 1♂ Iaz swamp 320m N47.111° E22.659° 3.VI.2014 No.61A Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Sciomyzidae

Hydromya dorsalis (Fabricius, 1775): 1♂ Iaz swamp 320m N47.111° E22.659° 3.VI.2014 No.61A Leg.: Z. Soltész (HNHM)

Ilione albisetata (Scopoli, 1763): 1♂ 1♀ Iaz swamp 320m N47.111° E22.659° 3.VI.2014 No.61A Leg.: Z. Soltész (HNHM)

Limnia unguicornis (Scopoli, 1763): 1♂ Crasna Vârșoț Reservoir wet meadows 238m N47.1776° E22.8891° 15.VII.2015 No.236 Leg.: Z. Vas, P. G. Sulyán (HNHM); 1♀ Crasna Vârșoț Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM); 1♀ Meseș Mts Huta 1km E of Huta grazed dry grassland 460m N47.015° E22.963° 4.VI.2014 No.66 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♀ Meseș Mts Huta 1.5km SW of Huta beech forest 570m N46.994° E22.929° 4.VI.2013 No.67B Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Pherbina coryleti (Scopoli, 1763): 2♂ Crasna Vârșoț Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM); 2♀ Crasna Vârșoț Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM)

Sepedon spegea (Fabricius, 1775): 1♂ 1♀ Crasna Vârșoț Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM)

Trypetoptera punctulata (Scopoli, 1763): 1♀ Plopiș Mts Tusa at Barcău wet pasture 644m N47.0196° E22.7519° 16.VII.2015 No.284 Leg.: Z. Vas et al. (HNHM); 1♂ Băbiu between Băbiu and Almașu 340m N46.954° E23.099° 13.VIII.2014 No.91 Leg.: G. Katona, A. Orosz, G. Puskás (HNHM); 1♀ Cliț 220m N47.290° E23.422° 14.VIII.2014 No.92 Leg.: G. Katona, A. Orosz, G. Puskás (HNHM)

Lauxaniidae

Calliopum aeneum (Fallén, 1820): 1♂ Jos N of Meseșeni de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: Z. Soltész (HNHM)

Homoneura notata (Fallén, 1820): 1♀ Cizer 510m N47.021° E22.864° 12.VIII.2014 No.79 Leg.: G.

Katona, A. Orosz, G. Puskás (HNHM)

Lyciella decempunctata (Fallén, 1820): 1♂ Șimleu Silvaniei forest edges 360-520m N47.239-47.245° E22.790-22.797° 5.VI.2015 No.72 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Peplomyza discoidea (Meigen, 1830): 1♀ Șimleu Silvaniei forest edges 360-520m N47.239-47.245° E22.790-22.797° 5.VI.2015 No.72 Leg.: Z. Soltész (HNHM)

Sapromyza obscuripennis Loew, 1847: 2♂ 1♀ Șimleu Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Tricholauxania praeusta Macquart, 1835: 1♀ Meseș Mts Huta 1.5km SW of Huta beech forest 570m N46.994° E22.929° 4.VI.2010 No.67B Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♂ 1♀ Șimleu Silvaniei forest edges 360-520m N47.239-47.245° E22.790-22.797° 5.VI.2015 No.72 Leg.: Z. Soltész (HNHM)

Opomyzidae

Opomyza florum (Fabricius, 1794): 1♂ Meseș Mts Poic marshy meadow 597m N46.9842° E22.9199° 14.VII.2015 Leg.: Z. Vas et al. (HNHM); 1♀ Crasna Vârșoț Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♂ Iaz Mlaștina de la Iaz mixed vegetation 320m N47.1108° E22.6602° 16.VII.2015 No.250 Leg.: Z. Vas, P. G. Sulyán (HNHM)

Agromyzidae

Amauromyza labiatarum (Hendel, 1920): 1♂ Iaz covered creek, forest edge 320m N47.111° E22.657° 3.VI.2014 No. 61B Leg.: Z. Soltész (HNHM); 1♂ Șimleu Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

*Cerodontha denticornis** (Panzer, 1806): 1♂ Jos N of Meseșeni de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No. 59 Leg.: Z. Soltész (HNHM); 3♂ Plopiș Mts Tusa springs above Tusa pasture at Barcău 640m N47.020° E22.749° 3.VI.2014 No.62 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

*Poemyza lateralis** (Macquart, 1835): 1♂ Jos N of Meseșeni de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Milichiidae

Milichia speciosa Meigen, 1830: 1♀ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Drosophilidae

Chymomyza amoena (Loew, 1862): 1♂ 1♀ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Parascaptomyza pallida (Zetterstedt, 1847): 1♂ Meseș Mts Huta 1km E of Huta grazed dry grassland 460m N47.015° E22.963° 4.VI.2014 No.66 Leg.: Z. Soltész (HNHM); 1♀ Șimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Phortica variegata (Fallén, 1823): 3♂ 2♀ Șimleu

Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Ephydriidae

Athyroglossa glabra (Meigen, 1830): 1♀ Şimleu Silvaniei covered creek, forest edge 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Psilopa polita (Macquart, 1835): 1♂ Meseş Mts Huta 1.5km SW of Huta beech forest 570m N46.994° E22.929° 4.VI.2009 No.67B Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Heleomyzidae

Suillia bicolor (Zetterstedt, 1838): 1♂ Iaz covered creek, forest edge 320m N47.111° E22.657° 3.VI.2014 No. 61B Leg.: Z. Soltész (HNHM)

Sphaeroceridae

Crumomyia fimetaria (Meigen, 1830): 1♀ Şimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Leptocera nigra Olivier, 1813: 1♂ Iaz covered creek 320m N47.111° E22.657° 3.VI.2014 No. 61B Leg.: Z. Soltész (HNHM); 1♂ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM); 1♀ Meseş Mts Huta 1km E of Huta grazed dry grassland 460m N47.015° E22.963° 4.VI.2014 No.66 Leg.: Z. Soltész (HNHM); 2♀ Meseş Mts Huta 2.5km SW of Huta wet meadow at Poicu stream 600m N46.985° E22.919° 4.VI.2014 No.69B Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

Lotophila atra (Meigen, 1830): 1♀ Meseş Mts Poic wet meadow N46.980° E22.925° 12.V.2015 No.184 Leg.: A. Podlussány (HNHM); 2♂ 1♀ Jos N of Meseşeni de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: Z. Soltész (HNHM); 1♀ Plopiş Mts Tusa springs above Tusa pasture at Barcău 640m N47.020° E22.749° 3.VI.2014 No.62 Leg.: A. Orosz, G. Puskás, M. Tóth, Z. Soltész (HNHM)

*Pteremis fenestralis** (Fallén, 1820): 1♂ Şimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Rachispoda lutosoidea (Duda, 1938): 1♂ Iaz swamp 320m N47.111° E22.659° 3.VI.2014 No.61A Leg.: Z. Soltész (HNHM)

Spelobia clunipes (Meigen, 1830): 1♂ Şimleu Silvaniei over and alongside the brook 300m N47.237° E22.804° 5.VI.2014 No.73 Leg.: Z. Soltész (HNHM)

Scathophagidae

Scathophaga stercoraria (Linnaeus, 1758): 1♀ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM); 2♀ Meseş Mts Pria SW slope of VF. Magura Priei pasture and forest edge 890m N47.007° E22.900° 4.VI.2014 No.68 Leg.: Z. Soltész (HNHM); 1♀ Meseş Mts Huta 2.5km SW of Huta xeromesophile meadow 610m N46.986° E22.917° 4.VI.2014 No.69A Leg.: Z. Soltész (HNHM); 2♀ Şimleu Silvaniei forest edges 360-520m N47.239-47.244° E22.790-22.796° 5.VI.2014 No.72 Leg.: Z. Soltész (HNHM)

Muscidae

Pyrellia rapax (Harris, 1780): 1♂ Surduc pasture

N47.291° E23.374° 11.V.2015 No. 165 Leg.: A. Grabant, O. Merkl, A. Podlussány, V. Szóke (HNHM); 1♂ Iaz Mlaştina de la Iaz mixed vegetation 320m N47.1108° E22.6602° 16.VII.2015 No.250 Leg.: Z. Vas, P. G. Sulyán (HNHM); 1♂ Jos N of Meseşeni de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: Z. Soltész (HNHM); 1♀ Iaz swamp 320m N47.111° E22.659° 3.VI.2014 No.61A Leg.: Z. Soltész (HNHM)

Calliphoridae

Cynomyia mortuorum (Linnaeus, 1761): 1♀ Crasna Vârşoţ Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM); 1♂ Aghireş W of Aghireş xeromesophile grassland and forest edge 320m N47.157° E22.992° 2.VI.2014 No.60 Leg.: Z. Soltész (HNHM)

Lucilia caesar (Linnaeus, 1758): 1♀ Iaz covered creek 320m N47.111° E22.657° 3.VI.2014 No. 61B Leg.: Z. Soltész (HNHM); 1♂ Vârşol Vârşol reservoir waterside 239m N47.1931° E22.9069° 17.VII.2015 No.253 Leg.: Z. Vas et al. (HNHM)

Lucilia silvarum (Meigen, 1826): 1♀ Meseş Mts Poic marshy meadow 597m N46.9842° E22.9199° 14.VII.2015 Leg.: Z. Vas et al. (HNHM); 1♂ 2♀ Crasna Vârşoţ Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM); 1♂ Crasna Vârşoţ Reservoir dry grassland 240m N47.178° E22.908° 2.VI.2014 No.58 Leg.: Z. Soltész (HNHM)

Melinda viridicyanea (Robineau-Desvoidy, 1830): 1♂ Şimleu Silvaniei forest edges 360-520m N47.239-47.244° E22.790-22.796° 5.VI.2014 No.72 Leg.: Z. Soltész (HNHM)

Pollenia rudis (Fabricius, 1786): 1♂ Jos N of Meseşeni de Jos dry pasture 270m N47.163° E22.956° 2.VI.2014 No.59 Leg.: Z. Soltész (HNHM)

Tachinidae

Cylindromyia auriceps (Meigen, 1838): 1♂ Meseş Mts Pria SW slope of VF. Magura Priei pasture and forest edge 890m N47.007° E22.900° 4.VI.2014 No.68 Leg.: Z. Soltész (HNHM); 1♂ Şimleu Silvaniei forest edges 360-520m N47.239-47.245° E22.790-22.797° 5.VI.2015 No.72 Leg.: Z. Soltész (HNHM)

Cylindromyia bicolor (Olivier, 1812): 1♂ Treznea alongside creek 366m N47.1091° E23.0728° 14.VII.2015 No.228 Leg.: P.G. Sulyán, Z. Vas (HNHM)

Ectophasia oblonga (Robineau-Desvoidy, 1830): 1♀ Crasna Vârşoţ Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM); 1♂ Crasna Vârşoţ Reservoir wet meadows 238m N47.1776° E22.8891° 15.VII.2015 No.236 Leg.: Z. Vas, P.G. Sulyán (HNHM)

Gymnosoma desertorum (Rohdendorf, 1947): 1♂ Crasna Vârşoţ Reservoir wet meadows 230m N47.177° E22.889° 5.VI.2014 No. 57 Leg.: Z. Soltész (HNHM)

DISCUSSION:

Altogether 516 specimens of 141 species comprised of 37 Diptera families are reported from Romania; 15 species of them proved to be new to the Romanian fauna.

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