

NEW DATA TO THE SOIL MITE (ACARI) FAUNA OF SĂLAJ, ROMANIA

Jenő Kontschán*, Anita Ács, Anita Suták

Plant Protection Institute, Centre for Agricultural Researches, Hungarian Academy of Sciences

ABSTRACT: 60 soil dwelling mite species were collected in the framework of this project between 2014 and 2015 in county Sălaj. 43 species from the order Mesostigmata, 16 species from the order Oribatida and one species from the order Prostigmata are listed. Two species (*Epicrius bulgaricus* Balogh, 1959 and *Macrholaspis recki* Bregetova & Koroleva, 1960) of the found mites are reported firstly from Romania.

Keywords: fauna, Acari, *Epicrius bulgaricus*, Sălaj

INTRODUCTION:

Mites (Acari) are one of the most diverse groups of invertebrates. They populate astonishingly almost all habitats on earth: from Antarctica to the tropics, they can be found in the soils, on plants, in all freshwater and marine habitats, and they can also be external and internal parasites of plants and animals.

The mites are one of the most ancient terrestrial animal groups, their fossils are known from the early Devonian (ca 400 million years ago) (Norton *et al.*, 1988, Kethley *et al.*, 1989). Later they colonized all the terrestrial habitats, but also returned to freshwater (water mites) and marine lifestyles (like Halacaridae). Mites can be predators, parasites, herbivores, fungivores and detritivores; regarding the latter, several groups have an important role in the decomposition of the leaf litter and in forming soil (Krantz & Walter, 2009).

In present paper we would like to contribute to the knowledges of the soil dwelling mites of county Sălaj, Romania.

MATERIAL AND METHODS:

The species from county Sălaj, Romania were collected by the museologists of the Hungarian Natural History Museum. Soil, moss and leaf litter samples were collected; these materials were placed in plastic bags in the sampling places and transported directly to a Berlese-funnel for extraction. After two weeks of extraction, the mites were removed, cleared in lactic acid and later studied. The collectors of the investigated samples are presented in Gubányi (2015).

The specimens were observed in deep and half covered slides, with a scientific microscope. Illustrations were made with the aid of a drawing tube. Measurements are given in micrometers (µm), width of idiosoma was taken at the level of coxae IV.

RESULTS:

Order Mesostigmata

Eviphididae Berlese, 1913

Eviphis ostrinus (Koch, 1836)

Localities: Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample Dealurile Gârboului (Csáki-gorbói-dombság), Goruna Mare, 2km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded flats, rocky soil, sparse fern roots, 29.04.2015, N47.28411° E23.44697°, 220m.

Correspondence*: Kontschán, J., Plant Protection Institute, Centre for Agricultural Researches, Hungarian Academy of Sciences, H-1525, Budapest, Hungary, P.O. Box. 102. e-mail: kontschan.jeno@agrar.mta.hu
 © 2015 Vasile Goldiș University Press (www.studiauniversitatis.ro)

Macrochelidae Vitzthum, 1930

Geholaspis berlese Valle, 1953

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), above the village, at Barcău (Berettyó) springs, 03.06.2014, N47.02° E22.749°; soil sample. Munții Meseșului (Meszes-hegység), 1.5 km S of Huta (Csákyújfalu), Agrij (Egrecy) Stream, shaded valley bottom, 1.5 m from water, 28.04.2015, N46.99306° E22.92806°, 580m; roots, soil under leaf litter, Above Huta, beech forest, leaf litters.

Geholaspis longispinosus (Kramer, 1876)

Localities: Munții Meseșului (Meszes-hegység), Cizer (Csiszér), above the village at the Boului Stream, 01.10.2014, N47.02765° E22.85603°; soil sample. Munții Meseșului (Meszes-hegység), 1.5 km SW of Huta (Csákyújfalu), 04.06.2014, N46.994° E22.929°; soil sample. Munții Meseșului (Meszes-hegység), Poic, spruce plantation, 12.05.2015, N46.971° E22.946°; moss sample.

Longicheles mandibularis (Berlese, 1904)

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), above the village, at Barcău (Berettyó) springs, 03.06.2014, N47.02° E22.749°; soil sample. E.Above Huta, beech forest, leaf litters. EMunții Meseșului (Meszes-hegység), Poic, spruce plantation, 12.05.2015, N46.971° E22.946°; moss sample.

Macrholaspis recki Bregetova & Koroleva, 1960

Localities: Munții Meseșului (Meszes-hegység), Cizer (Csiszér), above the village at the Boului Stream, 01.10.2014, N47.02765° E22.85603°; soil sample. Dealurile Crasnei (Krasznamenti-dombság), W of Aghireș (Egrespatak), 02-03.06.2014, N47.157° E22.992°; soil sample.

Nothrolaspis montanus (Willmann, 1951)

Localities: Munții Meseșului (Meszes-hegység), Cizer (Csiszér), above the village at the Boului Stream, 01.10.2014, N47.02765° E22.85603°; soil sample.

Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), 03.06.2014, N47.111° E22.662°; soil sample.

Hypoaspidae v. Vitzthum, 1941

Hypoaspis aculeifer (Canestrini, 1883)

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Ponor, 02.10.2014, N47.0193° E22.69965°, soil sample.

Dealurile Gârboului (Csáki-gorbói-dombság), Goruna Mare, 2km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded

flats, rocky soil, sparse fern roots, 29.04.2015, N47.28411° E23.44697°, 220m. Above Huta, beech forest, leaf litters.

Hypoaspis astronomica (Koch, 1839)

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample.

Hypoaspis presternalis Willmann, 1949

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Barcău (Berettyó) springs, 13.05.2015, N47.02° E22.749°; soil sample.

Pseudoparasitus placentulus (Berlese, 1887)

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Barcău (Berettyó) springs, 13.05.2015, N47.02° E22.749°; soil sample.

Epicriidae Berlese, 1885

Epicrius bulgaricus Balogh, 1959

Localities: Munții Meseșului (Meszes-hegység), 1.5 km S of Huta (Csákyújfalu), Agrij (Egregy) Stream, shaded valley bottom, 1.5 m from water, 28.04.2015, N46.99306° E22.92806°, 580m; roots, soil under leaf litter.

Epicrius mollis (Kramer, 1876)

Localities: Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample. Munții Meseșului (Meszes-hegység), 1.5 km S of Huta (Csákyújfalu), Agrij (Egregy) Stream, shaded valley bottom, 1.5 m from water, 28.04.2015, N46.99306° E22.92806°, 580m; roots, soil under leaf litter.

Ascidae Oudemans, 1905

Arctoseius brevichelis Karg, 1969

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), 03.06.2014, N47.111° E22.662°; soil sample.

Arctoseius minutus (Halbert, 1915)

Localities: Dealurile Gârboului (Csáki-gorbói-dombság), Goruna Mare, 1km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded flats, sparsely vegetated soil, roots, 29.04.2015, N47.28648° E23.43572°, 190m.

Asca aphidioides (Linneus, 1758)

Localities: Depresiunea Almaș--Agrij (Almás--Egregy-medence), SE of Poarta Sălajului (Vaskapu), 01.10.2014, N47.0742° E23.20386°; soil sample.

Cheiroseius borealis (Berlese, 1904)

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample.

Cheroseius serratus (Halbert, 1915)

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample.

Iphidozercon gibbus Berlese, 1903

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample. Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample.

Leioseius bicolor (Berlese, 1918)

Localities: Dealurile Crasnei (Krasznamenti-dombság), W of Aghireș (Egrespatak), 02-03.06.2014, N47.157° E22.992°; soil sample. E-Dealurile Sălajului (Szilágymenti-dombság), Aluniș (Szamosszéplak), 04.06.2014, N47.371° E23.267°; pitfall trap, soil sample. E-Depresiunea Almaș--Agrij (Almás--Egregy-medence), SE of Poarta Sălajului (Vaskapu), 01.10.2014, N47.0742° E23.20386°; soil sample.

Zerconidae Berlese, 1892

Prozercon carsticus Halaškova, 1963

Localities: Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample

Prozercon kochi Sellnick, 1943

Localities: Dealurile Gârboului (Csáki-gorbói-dombság), Goruna Mare, 2km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded flats, rocky soil, sparse fern roots, 29.04.2015, N47.28411° E23.44697°, 220m.

Prozercon traegardhi (Halbert, 1923)

Localities: Above Huta, beech forest, leaf litters.

Zercon berlesei Sellnick, 1958

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample.

Zercon hungaricus Sellnick, 1958

Localities: Dealurile Crasnei (Krasznamenti-dombság), W of Aghireș (Egrespatak), 30.09.2014, N47.16363° E22.98661°; soil sample.

Zercon peltatus C. L. Koch, 1836

Localities: Munții Meseșului (Meszes-hegység), Treznea (Ördöggút), main valley of the Treznea Stream, 29.09.2014, N47.11005° E23.06443°; soil sample. Above Huta, beech forest, leaf litters.

Zercon spathulatus (C. L. Koch, 1839)

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Ponor, 02.10.2014, N47.0193° E22.69965°; soil sample.

Parasitidae Oudemans, 1901

Holoparasitus calcaratus (C. L. Koch, 1839)

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Ponor, 02.10.2014, N47.0193° E22.69965°; soil sample. Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample.

Veigaiidae Oudemans, 1939

Veigaia cerva (Kramer, 1876)

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), 03.06.2014, N47.111° E22.662°; soil sample. Dealurile Sălajului (Szilágymenti-dombság), Aluniș (Szamosszéplak), 04.06.2014, N47.371° E23.267°; pitfall trap, soil sample. Munții Meseșului (Meszes-hegység), Poic, spruce plantation, 12.05.2015, N46.971° E22.946°; moss sample.

Veigaia exigua (Berlese, 1917)

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), above the village, at Barcău (Berettyó) springs, 03.06.2014, N47.02° E22.749°; soil sample. Dealurile Gârboului (Csáki-gorbói-dombság), Goruna

Mare, 2km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded flats, rocky soil, sparse fern roots, 29.04.2015, N47.28411° E23.44697°, 220m.

Veigaia nemorensis (C. L. Koch, 1839)

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample. EDealurile Crasnei (Krasznamenti-dombság), W of Aghireș (Egrespatak), 02-03.06.2014, N47.157° E22.992°; soil sample. EMunții Plopiș (Réz-hegység), Tusa (Tuszatelke), above the village, at Barcău (Berettyó) springs, 03.06.2014, N47.02° E22.749°; soil sample. EMunții Plopiș (Réz-hegység), Iaz (Krasznajáz), 03.06.2014, N47.111° E22.662°; soil sample. Munții Meseșului (Meszes-hegység), 1.5 km S of Huta (Csákyújfalu), Agrij (Egregy) Stream, shaded valley bottom, 1.5 m from water, 28.04.2015, N46.99306° E22.92806°, 580m; roots, soil under leaf litter, Above Huta, beech forest, leaf litters. Dealurile Sălajului (Szilágymenti-dombság), Aluniș (Szamosszéplak), 04.06.2014, N47.371° E23.267°; pitfall trap, soil sample. Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample. Munții Meseșului (Meszes-hegység), 1.5 km SW of Huta (Csákyújfalu), 04.06.2014, N46.994° E22.929°; soil sample. Dealurile Gârboului (Csákiqorbói-dombság), Goruna Mare, 1km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded flats, sparsely vegetated soil, roots, 29.04.2015, N47.28648° E23.43572°, 190m. Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Barcău (Berettyó) springs, 13.05.2015, N47.02° E22.749°; soil sample. Dealurile Gârboului (Csákiqorbói-dombság), Goruna Mare, 2km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded flats, rocky soil, sparse fern roots, 29.04.2015, N47.28411° E23.44697°, 220m. Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Ponor, 02.10.2014, N47.0193° E22.69965°, soil sample. Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample. Munții Plopiș (Réz-hegység), 3km SW of Tusa (Tuszatelke), at Barcău (Berettyó) springs, muddy spring outlet, rock-chips under leafpacks, 28.04.2015, N47.02026° E22.74874°, 600m. Munții Meseșului (Meszes-hegység), Cizer (Csiszér), above the village at the Boului Stream, 01.10.2014, N47.02765° E22.85603°; soil sample. Munții Meseșului (Meszes-hegység), Poic, spruce plantation, 12.05.2015, N46.971° E22.946°; moss sample.

Veigaia transisalae (Oudemans, 1902)

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample.

Trachytidae Trägårdh, 1938

Trachytes agerota (C. L. Koch, 1841)

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Ponor, 02.10.2014, N47.0193° E22.69965°; soil sample. 3139 Munții Meseșului (Meszes-hegység), Treznea (Ördögkút), main valley of the Treznea Stream, 29.09.2014, N47.11005°

E23.06443°; soil sample. Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample. Dealurile Gârboului (Csákiqorbói-dombság), Goruna Mare, 2km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded flats, rocky soil, sparse fern roots, 29.04.2015, N47.28411° E23.44697°, 220m.

Trachytes baloghi Hirschmann & Zirngiebl-Nicol, 1969

Localities: Dealurile Crasnei (Krasznamenti-dombság), W of Aghireș (Egrespatak), 30.09.2014, N47.16363° E22.98661°; soil sample.

Trachytes romanica Huțu, 1983

Localities: Munții Meseșului (Meszes-hegység), 1.5 km S of Huta (Csákyújfalu), Agrij (Egregy) Stream, shaded valley bottom, 1.5 m from water, 28.04.2015, N46.99306° E22.92806°, 580m; roots, soil under leaf litter.

Trematuridae Berlese, 1917

Oodinychus ovalis (C. L. Koch, 1839)

Localities: Dealurile Crasnei (Krasznamenti-dombság), W of Aghireș (Egrespatak), 30.09.2014, N47.16363° E22.98661°; soil sample. 3139

Dinychidae Berlese, 1916

Dinychus arcuatus (Trägårdh, 1943)

Localities: Munții Meseșului (Meszes-hegység), Treznea (Ördögkút), main valley of the Treznea Stream, 29.09.2014, N47.11005° E23.06443°; soil sample. Dealurile Gârboului (Csákiqorbói-dombság), Goruna Mare, 2km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded flats, rocky soil, sparse fern roots, 29.04.2015, N47.28411° E23.44697°, 220m.

Dinychus bincheacarinatus Hirschmann, Wagrowska-Adamczyk & Zirngiebl-Nicol, 1984

Localities: Dealurile Crasnei (Krasznamenti-dombság), W of Aghireș (Egrespatak), 30.09.2014, N47.16363° E22.98661°; soil sample. Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample. Dealurile Gârboului (Csákiqorbói-dombság), Goruna Mare, 2km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded flats, rocky soil, sparse fern roots, 29.04.2015, N47.28411° E23.44697°, 220m.

Urodiaspididae Trägårdh, 1944

Urodiaspis stammeri Hirschmann & Zirngiebl-Nicol, 1969

Localities: Munții Meseșului (Meszes-hegység), Treznea (Ördögkút), main valley of the Treznea Stream, 29.09.2014, N47.11005° E23.06443°; soil sample.

Urodiaspis tecta (Kramer, 1876)

Localities: Munții Meseșului (Meszes-hegység), 1.5 km S of Huta (Csákyújfalu), Agrij (Egregy) Stream, shaded valley bottom, 1.5 m from water, 28.04.2015, N46.99306° E22.92806°, 580m; roots, soil under leaf litter.

Cillibidae Trägårdh, 1944

Cilliba erlangensis Hirschmann & Zirngiebl-Nicol, 1969

Localities: Munții Meseșului (Meszes-hegység), Treznea (Ördökgút), main valley of the Treznea Stream, 29.09.2014, N47.11005° E23.06443°; soil sample.

Cilliba sellnicki (Hirschmann & Zirngiebl-Nicol, 1969)

Localities: Munții Meseșului (Meszes-hegység), Treznea (Ördökgút), main valley of the Treznea Stream, 29.09.2014, N47.11005° E23.06443°; soil sample.

Uropodidae Kramer, 1881

Neodiscopoma splendida (Kramer, 1882)

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample. Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample

Discourellidae Baker & Wharton, 1952

Discourella helvetica Kontschán, 2011

Localities: Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample.

Order Oribatida

Hypochthoniidae Berlese, 1910

Hypothonius luteus Oudemans, 1917

Localities: Munții Meseșului (Meszes-hegység), 1.5 km S of Huta (Csákyújfalu), Agrij (Egregy) Stream, shaded valley bottom, 1.5 m from water, 28.04.2015, N46.99306° E22.92806°, 580m; roots, soil under leaf litter. Dealurile Gârboului (Csákiqorbói-dombság), Goruna Mare, 2km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded flats, rocky soil, sparse fern roots, 29.04.2015, N47.28411° E23.44697°, 220m.

Hypothonius rufulus Cl. L. Koch, 1835

Localities: Dealurile Crasnei (Krasznamenti-dombság), W of Aghireș (Egrespatak), 30.09.2014, N47.16363° E22.98661°; soil sample.

Euphthiracaridae Jacot, 1930

Ryzotritia ardua (C. L. Koch, 1841)

Localities: Munții Meseșului (Meszes-hegység), Treznea (Ördökgút), main valley of the Treznea Stream, 29.09.2014, N47.11005° E23.06443°; soil sample. Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample. Above Huta, beech forest, leaf litters.

Phthiracaridae Perty, 1841

Hoplophthiracarus illinoiesnsi (Ewing, 1909)

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Ponor, 02.10.2014, N47.0193° E22.69965°; soil sample.

Nothridae Berlese, 1896

Nothrus anauniensis Canestrini & Fanzago, 1876

Localities: Dealurile Crasnei (Krasznamenti-dombság), W of Aghireș (Egrespatak), 30.09.2014, N47.16363° E22.98661°; soil sample.

Nothrus borussicus Sellnick, 1928

Localities: Munții Plopiș (Réz-hegység), 3km SW of Tusa (Tuszatelke), at Barcău (Berettyó) springs, muddy spring outlet, rock-chips under leafpacks, 28.04.2015, N47.02026° E22.74874°, 600m. Above Huta, beech forest, leaf litters.

Nothrus palustris C. L. Koch, 1839

Localities: Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample E-Munții Meseșului (Meszes-hegység), Cizer (Csiszér), above the village at the Boului Stream, 01.10.2014, N47.02765° E22.85603°; soil sample. E-Munții Meseșului (Meszes-hegység), 1.5 km SW of Huta (Csákyújfalu), 04.06.2014, N46.994° E22.929°; soil sample.

Nothrus silvestris Nicolet, 1855

Localities: Munții Meseșului (Meszes-hegység), 1.5 km S of Huta (Csákyújfalu), Agrij (Egregy) Stream, shaded valley bottom, 1.5 m from water, 28.04.2015, N46.99306° E22.92806°, 580m; roots, soil under leaf litter. Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), 03.06.2014, N47.111° E22.662°; soil sample. Dealurile Sălajului (Szilágymenti-dombság), Aluniș (Szamoszépplak), 04.06.2014, N47.371° E23.267°; soil sample.

Camisiidae Oudemans, 1900

Platynothrus peltifer (C. L. Koch, 1839)

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample. Munții Meseșului (Meszes-hegység), Poic, spruce plantation, 12.05.2015, N46.971° E22.946°; moss sample. Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample. Dealurile Gârboului (Csákiqorbói-dombság), Goruna Mare, 1km SE of Cliț (Csúrfalva), streambed in Valea Corbului, temporarily unflooded, shaded flats, sparsely vegetated soil, roots, 29.04.2015, N47.28648° E23.43572°, 190m. Munții Meseșului (Meszes-hegység), 1.5 km S of Huta (Csákyújfalu), Agrij (Egregy) Stream, shaded valley bottom, 1.5 m from water, 28.04.2015, N46.99306° E22.92806°, 580m; roots, soil under leaf litter. Munții Meseșului (Meszes-hegység), Cizer (Csiszér), above the village at the Boului Stream, 01.10.2014, N47.02765° E22.85603°; soil sample.

Camisia spinifer (C. L. Koch, 1835)

Localities: Munții Meseșului (Meszes-hegység), Cizer (Csiszér), above the village at the Boului Stream, 01.10.2014, N47.02765° E22.85603°; soil sample.

Hermannidae Sellnick, 1928

Hermanniella dolosa Grandjean, 1931

Localities: Dealurile Crasnei (Krasznamenti-dombság), W of Aghireș (Egrespatak), 30.09.2014, N47.16363° E22.98661°; soil sample.

Cepheidae Berlese, 1896

Cepheus cepheiformis (Nicolet, 1855)

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample.

Cepheus grandis Sitnikova, 1975

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Ponor, 02.10.2014, N47.0193° E22.69965°; soil sample.

Phenopelopidae Petrunkevich, 1955

Eupelops acromios (Herman, 1801)

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Ponor, 02.10.2014, N47.0193° E22.69965°; soil sample.

Achipteriidae Thor, 1929

Order Prostigmata

Labidostommatidae Oudemans, 1906

Nicoletiella denticulatum (Schrank, 1776)

Localities: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample. Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), valley of the Iaz Stream, 30.09.2014, N47.08698° E22.6511°; soil sample. Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample.

DISCUSSION:

The majority of the found mites belong to the order Mesostigmata. The last some years numerous papers were presented about the Romanian (Transylvanian) Mesostigmatans, like families Macrochelidae (Ács & Kontschán, 2014) and Veigaiidae (Ács & Kontschán, 2015) and the suborder Uropodina (Kontschán, 2014). The here listed Mesostigmatans are very common and widely distributed species in central Europe, but two species (*Macrholaspis recki* and *Epicrius bulgaricus*) are new for the Romanian fauna. *Macrholaspis recki* is an East European species occurring in Poland, Slovakia, Ukraine, Bulgaria, Armenia and Georgia (Mašán, 2003). Contrary, the till today the species *Epicrius bulgaricus* is reported only from South-Europe (Bulgaria) (Karg, 1993). The found Oribatida and Prostigmata are very often collected mites in the Central-European soils.

Achipteria nitens (Nicolet, 1855)

Localities: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Ponor, 02.10.2014, N47.0193° E22.69965°; soil sample.

Oribatellidae Jacot, 1925

Oribatella calcarata (C. L. Koch, 1835)

Localities: Munții Meseșului (Meszes-hegység), Poic, beech forest, 12.05.2015, N46.994° E22.93°; leaf litter sample

REFERENCES:

- Ács A, Kontschán J, Contribution to the Macrochelidae Vitzthum, 1930 fauna of the Carpathian Basin and the Balkan Peninsula (Acari: Mesostigmata). *Opuscula zoologica Hungarica* (Budapest), 45(2), 109–118, 2014.
- Ács A, Kontschán J, Contribution to the Veigaiidae Oudemans, 1939 fauna of the Carpathian Basin and the Balkan Peninsula (Acari: Mesostigmata). *Opuscula zoologica Hungarica* (Budapest), 46(2), 121–131, 2015.
- Gubányi A, Collecting sites of the Hungarian Natural History Museum in Sălaj, Romania, between 2014 and 2015. *Studia Universitatis Vasile Goldis* (in pres).
- Karg W, Raubmilben. Acari (Acarina), Milben, Parasitiformes (Anactinochaeta) Cohors Gamasina Leach., *Die Tierwelt Deutschlands*, 59, 523 pp, 1993.
- Kethley JB, Norton RA, Bonamo PM, Shear WA, A terrestrial alicorhagiid mite (Acari: Acariformes) from the Devonian of New York. *Micropaleontology*, 35, 367–373, 1989.
- Kontschán J, Uropodina mites (Acari: Mesostigmata) of Transylvania (Romania). Budapest: Ad Librum, 140 pp, 2014.
- Krantz GW, Walter DE, *A Manual of Acarology*. Third Edition. Texas Tech University Press, Lubbock, Texas, USA, 2009.
- Mašán P, Macrochelid Mites of Slovakia (Acari, Mesostigmata, Macrochelidae). *Institute of Zoology, Slovak Academy of Sciences, Bratislava*, pp. 149, 2003.
- Norton RA, Bonamo PM, Grierson JD, Shear WA, Oribatid mite fossils from a terrestrial Devonian deposit near Gilboa, New York. *Journal of Paleontology*, 62(2), 259–269, 1988.