

## Addition to the Latvian Mesostigmata (Acari, Parasitiformes) Check-List

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**Abstract:** The present paper deal with 51 species of Mesostigmata mites new to the fauna of Latvia. The mites were collected from various habitats (Insecta, Fungi, Bryophyta, soil); 2 further species were found after the revision of I. Lapiņa's slide collection. Short notes to sampling localities are given.

**Key words:** Acari, Mesostigmata, Latvia, fauna, fungi, Insecta, soil, mosses, litter.

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### Introduction

Until now the fauna of Mesostigmata mites were represented by Gamasina mites (Salmane 2001), some records of *Uropoda orbicularis* (Uropodina) (Karps et al. 1990) and probable finding of *Sejus togatus* (Sejina) (Eglitis 1954) in Latvia.

The present paper deal with 51 species of Mesostigmata mites new to the fauna of Latvia. New species recorded from Aphyllophorales fungi mentioned in I. Salmane (2005) and Uropodina mites in J. Kontschán and I. Salmane (2005). *Hoploseius* sp. was already collected in Russia by O.L. Makarova (2005), but is not described yet. Coleoptera nomenclature followed D. Telnov (2004).

**Abbreviations used in the text:** M – collected specimens, Distr. – district, NP – Nature park, p. – park, f. – forest, R. – river, L. – lake, EOAM - Ethnographical Open Air Museum of Latvia. Number of mite specimens is given in brackets.

### List of Mesostigmata species

#### Antennophorina

##### **Celaenopsidae** BERLESE, 1892

##### **1. *Celaenopsis badius*** C.L. KOCH, 1839

M: Ogre Distr., Ogre, Pārogre, 18.05.2003 (1), mixed f., under the bark of *Coryllus avelana* trunk; Ogre Distr., Ogre, Pārogre, 07.03.2004 (1), mixed f., under *Populus* sp. bark; Cēsis Distr., Cēsis, 18.06.2004 (2), *Acer* sp. rotting wood; indet. Aphyllophorales fungi (Salmane 2005).

##### **Diplogyniidae** TRÄGÅRDH, 1941

##### **2. *Loboginoides spelaea*** WILLMANN, 1941

M: Riga Distr., Lilaste, L. Garezers, 27.08.2004 (1), *Pinus* sp. rotting wood, on *Uloma rufa* (Tenebrionidae).

#### Microgyniina

##### **Microgyniidae** TRÄGÅRDH, 1942

**3. *Microsejus truncicola* TRÄGÅRDH, 1942**

M: Riga Distr., Cekule, 05.05.2002 (1), coniferous f., on *Dictyoptera aurora* (Lycidae), leg. D. Telnov; Riga Distr., Lilaste, L. Garezers, 27.08.2004 (1), *Pinus sylvestris* rotting wood; indet. Aphyllophorales fungi (Salmane 2005).

**Gamasina****Parasitidae OUDEMANS, 1901****4. *Parasitus (Coleogamasus) copridis* COSTA, 1963**

M: Ogre Distr., Ogre, 24.08.2002, on *Geotrupes (Geotrupes) stercorarius* (Geotrupidae) (4).

**5. *Parasitus (Coleogamasus) consanguineus* OUDEMANS et VOIGTS, 1904**

M: Ogre Distr., Ogre, Pārogre, 15.09.2002 (5), garden soil; Riga Distr., Gauja, 27.09.2002 (7), washed ashore material.

**6. *Pergamasus parinteger* ATHIAS-HENRIOT, 1967**

M: Riga Distr., Sigulda, 06.10.2002 (27), *Homalia trichomanoides*, *Radula complanata*, *Anamodes viticulosus*, *Pylaisia polyantha* on *Ulmus* sp.; Riga Distr., Sigulda, 06.10.2002 (1), R. Gauja, wet clay soil, *Plagiomnium affine*.

**7. *Parasitus (Coleogamasus) mustelarum* OUDEMANS, 1903**

M: Cēsis Distr., Taurene, Lodes muiža, 06.06.2003 (2), cow dung.

**8. *Saprogamasus ambulacralis* WILLMANN, 1949**

M: indet. Aphyllophorales fungi (Salmane 2005).

**9. *Parasitus beta* OUDEMANS et VOIGTS, 1904**

M: Talsi Distr., Kolkasrags, 05.08.2004 (1), coastal pine f., on *Geotrupes (Geotrupes) stercorarius* (Geotrupidae).

**Veigaiiidae OUDEMANS, 1939****10. *Veigaiia transisale* (OUDEMANS, 1902)**

M: Riga Distr., L. Garezers, 05.09.2002 (3), *Sphagnum cuspidotum*; Ogre Distr., Ogre, Pārogre, 08.05.2003 (1), mixed f., rotting *Alnus incana*; Riga Distr., Lilaste, L. Garezers, 07.06.2004 (17), leaf litter; Riga Distr., Lilaste, 07.06.2004 (27), L. Garezers, *Sphagnum cuspidotum*.

**Ameroseiidae (BERLESE, 1919) EVANS, 1961****11. *Ameroseius longitrichus* HIRSCHMANN, 1963**

M: Riga Distr., Cekule, 01.05.2002 (1), under *Populus* sp. bark, leg. D. Telnov; Riga Distr., Sigulda, 06.10.2002 (1), *Bryum argenteum*; indet. Aphyllophorales fungi (Salmane 2005).

**12. *Ameroseius eumorphus* BREGETOVA, 1977**

M: Valmiera Distr., Mazsalaca, 08.2002 (1), *Pinus sylvestris* f. soil.

**13. *Ameroseius plumea* OUDEMANS, 1930**

M: Limbaži Distr., Ainaži, 15.06.2002 (1), beach, sand, *Honkenia peploides* rhizosphere.

**14. *Ameroseius ulmi* HIRSCHMANN, 1963**

M: Ogre Distr., Ogre, Pārogre, 07.03.2004 (14), mixed f., under *Populus* sp. bark; Limbaži Distr., Mazsalaca, 15.06.2004 (1), *Pinus sylvestris* bark; Riga Distr., Lilaste, L. Garezers, 27.08.2004 (1), *Pinus sylvestris* rotting wood; indet. Aphyllophorales fungi (Salmane 2005).

**15. *Ameroseius delicatus* BERLESE, 1918**

M: indet. Aphyllophorales fungi (Salmane 2005).

**16. *Ameroseius imparsetosus* WESTERBOER, 1963**

M: indet. Aphyllophorales fungi (Salmane 2005).

**Acosejidae** BAKER, WHARTON, 1952 (sensu EVANS, 1958)**17. *Cheiroseius cassiteridium*** EVANS et HYATT, 1960

M: Limbaži Distr., Lēdurga, L. Lēdurgas dzirnavezers, 11.05.2003 (7), washed ashore material, reeds.

**18. *Platyseius major*** (HALBERT, 1923)

M: Riga Distr., Gauja, 18.06.2003 (1), wet soil; Riga Distr., Saulkrasti, 31.07.2003 (2), on wood in R. Pēterupe.

**19. *Zerconopsis remiger*** (KRAMER, 1876)

M: Riga Distr., Cekule, 07.05.2003 (1), litter under *Populus* sp., leg. D. Telnov; Riga Distr., Saulkrasti, 21.05.2004 (2), litter under *Populus* sp.; indet. Aphyllophorales fungi (Salmane 2005).

**20. *Zerconopsis decemremiger*** EVANS et HYATT, 1960

M: indet. Aphyllophorales fungi (Salmane 2005).

**21. *Halodarcia incideta*** KARG, 1969

M: Ogre Distr., Ogre, Ogres sala, 29.06.2003 (1), rotting reeds, wet soil; Riga Distr., Lilaste, L. Garezers, 07.06.2004 (1), leaf litter.

**22. *Proctolaelaps hystrix*** VITZTHUM, 1923

M: Ogre Distr., Ogre, Pārogre, 08.05.2003 (1), mixed f., *Fraxinus excelsior* bark; Ogre Distr., Ogre, Pārogre, 07.03.2004 (11), mixed f., *Populus* sp. bark.

**23. *Proctolaelaps scolyti*** EVANS, 1958

M: Ogre Distr., Ogre, Pārogre, 07.03.2004 (1), mixed f., *Populus* sp. bark.

**24. *Hoploseius*** sp.

M: indet. Aphyllophorales fungi (Salmane 2005).

**Rhodacaridae** OUDEMANS, 1902**25. *Dendrolaelaps punctatulus*** HIRSCHMANN, 1960

M: indet. Aphyllophorales fungi (Salmane 2005).

**26. *Dendrolaelaps procornutus*** HIRSCHMANN, 1960

M: Limbaži Distr., Mērnīki, R. Salaca, 15.06.2002 (1), on *Salix* sp. *Brahytecium* sp.; indet. Aphyllophorales fungi (Salmane 2005).

**27. *Dendrolaelaps cornutulus*** HIRSCHMANN, 1960

M: Ogre Distr., Ogre, Pārogre, 08.05.2003 (1), mixed f., *Fraxinus excelsior* bark; indet. Aphyllophorales fungi (Salmane 2005).

**28. *Dendrolaelaps arvicolus*** (LEITNER, 1949)

M: Riga Distr., Turaida, 12.07.2003 (7), deciduous f., *Fraxinus excelsior* bark; indet. Aphyllophorales fungi (Salmane 2005).

**29. *Dendrolaelaps halophilus*** (WILLMANN, 1951)

M: indet. Aphyllophorales fungi (Salmane 2005).

**30. *Dendrolaelaps latus*** HIRSCHMANN, 1960

M: indet. Aphyllophorales fungi (Salmane 2005).

**31. *Dendrolaelaps acornutus*** HIRSCHMANN, 1960

M: indet. Aphyllophorales fungi (Salmane 2005).

**32. *Dendrolaelaps (Longoseiulus) longulus*** HIRSCHMANN, 1960

M: Ogre Distr., Ogre, Pārogre, 07.03.2004 (1), mixed f., *Populus* sp. bark.

**33. *Multidendrolaelaps ulmi*** (HIRSCHMANN, 1960)

M: indet. Aphyllophorales fungi (Salmane 2005).

**34. *Multidendrolaelaps euepistomus*** (HIRSCHMANN, 1960)

M: indet. Aphyllophorales fungi (Salmane 2005).

**35. *Insectolaelaps pini*** (HIRSCHMANN, 1960)

M: indet. Aphyllorphorales fungi (Salmane 2005).

#### **Macrochelidae** VITZTHUM, 1930

**36. *Macrocheles perglaber*** FILIPPONI et PEGAZZANO, 1962

M: Ogre Distr., Ogre, Ogres sala, 24.08.2002 (3), on *Geotrupes (Geotrupes) stercorarius* (Geotrupidae).

**37. *Macrocheles (Glytholaspis) americana*** (BERLESE, 1888)

M: Ogre Distr., Ogre, Pārogre, 22.-28.09.2002 (1), garden, pit-fall traps.

**38. *Macrocheles matrius pratensis*** BREGETOVA et KOROLEVA, 1960

M: Dobeles Distr., Lielaucē, 15.06.1963 (4), *Buteo buteo* (Accipitridae) nest, specimens from the I. Lapiņa's slide collection.

**39. *Macrocheles muscaedomesticae*** (SCOPOLI, 1772) SELLNICK, 1940

M: 1973 (4), specimens from the I. Lapiņa's collection.

#### **Laelaptidae** BERLESE, 1982

**40. *Hypoaspis brevipilis*** HIRSCHMANN, 1969

M: Ogre Distr., Ogre, Pārogre, 07.03.2004 (6), *Pinus sylvestris* bark; Riga Distr., Lilaste, L. Garezers, 27.08.2004 (7), *Pinus sylvestris* rotting wood; indet. Aphyllorphorales fungi (Salmane 2005).

**41. *Hypoaspis bombicolens*** (CANESTRINI, 1884)

M: Riga Distr., Riga, Strazdumuiža p., 19.08.2004 (8), on *Psithyrus* sp. (Apidae).

#### **Eviphidae** BERLESE, 1913

**42. *Scarabaspis inexpectatus*** (OUDEMANS, 1903)

M: Riga Distr., Tumšupe, 24.05.2003 (4), on *Aphodius (Teuchestes) fossor* (Scarabaeidae), leg. D. Telnov; Limbaži Distr., Meleki, 21.08.2003 (1), coastal pine f., on *Geotrupes (Geotrupes) stercorarius* (Geotrupidae); Ogre Distr., Ogre, 04.05.2004 (2); Riga Distr., Riga, EOAM, 19.08.2004 (5); Ogre Distr., Ogre, Pārogre, 25.05.2001 (3), garden, on Scarabaeidae sp.

**43. *Crassicheles concentricus*** EVANS, 1962

M: Riga Distr., Lilaste, 07.06.2004 (3), beach, washed ashore material.

**44. *Scamaphis equestris*** (BERLESE, 1911)

M: Riga Distr., Riga, EOAM, 19.08.2004 (5), under elytra of *Geotrupes (Geotrupes) stercorarius* (Geotrupidae).

#### **Zerconidae** CANESTRINI, 1891

**45. *Zercon triangularis*** C.L. KOCH, 1836

M: indet. Aphyllorphorales fungi (Salmane 2005).

**46. *Zercon romagniolus*** SELLNICK, 1944

M: indet. Aphyllorphorales fungi (Salmane 2005).

#### **Uropodina**

##### **Uropodidae** BERLESE, 1892

**47. *Dinychus septentrionalis*** (TRÄGARDH, 1943) (Kontschán, Salmane 2005)

**48. *Dinychus woelkei*** HIRSCHMANN et ZIRNGIEBL-NICOL, 1969 (Kontschán, Salmane 2005)

**49. *Trichouropoda ovalis*** (C.L. KOCH, 1839) (Kontschán, Salmane 2005)

**50. *Trichouropoda shcherbakae*** HIRSCHMANN, 1972 (Kontschán, Salmane 2005)

**51. *Urobovella fimicola*** (BERLESE, 1903) (Kontschán, Salmane 2005).

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### Kopsavilkums

Rakstā minēta 51 Latvijas faunai jauna Mesostigmata ērču suga no dažādiem biotopiem: Insecta, Fungi, Bryophyta, augsne u.c. Divas sugas atrastas pēc I. Lapiņas kolekciju materiālu revīzijas.

### References

- Eglitis V. (Эглитис В.К.) 1954. [Soil fauna of the Latvian SSR]. Publishing House of the Academy of Sciences of Latvian SSR, Rīga: 1-263 (in Russian).
- Karps A., Lapiņa I., Melecis V., Spuņģis V., Šternbergs M. 1990. Environmental pollution by pig slurry. Zinatne, Rīga: 1-237 (in Russian, English abstract).
- Kontschán J., Salmane I. 2005. Data about the Uropodina mites (Acari, Mesostigmata) of Latvia. – Latvijas entomologs 42: 76-78.
- Makarova O.L. 2005. Gamasid mites (Parasitiformes, Mesostigmata) dwelling in bracket fungi of Pechoro-Ilychski Reserve (Komi Republic). – Zoolog. zhurnal (in press).
- Salmane I. 2001. A check-list of Latvian Gamasina mites (Acari, Mesostigmata) with short notes to their ecology. – Latvijas entomologs 38: 27-39.
- Salmane I. 2005. List of Mesostigmata mites (Acari, Parasitiformes) associated with Aphyllorphorales Fungi (Basidiomycetes) in Latvia. – Latvijas entomologs 42: 57-70.
- Telnov D. 2004. Check-list of Latvian Beetles (Insecta: Coleoptera). In: Telnov D. (ed.) Compendium of Latvian Coleoptera, volume 1. Rīga, "Petrovskis & Co", 114.

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