

A Checklist of Latvian Oribatida

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BARANOVSKA A. 2006. A CHECKLIST OF LATVIAN ORIBATIDA. – *Latvijas entomologs*, 44: 5-10.

Abstract: The checklist of the Oribatida fauna of Latvia now includes 200 species. This list is based on literature data.

Key words: Oribatida, checklist, Latvia.

Introduction

The first data on Latvian oribatid mites were published by A. Grube (Eglitis 1943). He listed only 10 species. The species list of V. Eglitis (1943) included 52 Oribatida species collected in Zemgale region. In the early 1950s V. Eglitis performed an all-embracing survey on the soil fauna of Latvia (Eglitis 1954). As the result of these investigations 120 species of Oribatida were found in different habitats. There is no large-scale review on oribatid mites in Latvia until now. However, the data on several new species of mites can be found in some ecological papers. V. Viksne (1959) listed 89 species of oribatid mites, and Dz. Berina et al. (1989) - 29 species. Some data concerning fauna of oribatid mites of Latvia could be found also in studies performed by Lithuanian soil zoologists (Eitminavichute et al. 1976). They listed 131 species in total. However, from this publication it is difficult to make clear whether the data on a particular species comes from the territory of Latvia or from Lithuania.

The aim of this paper is working out the checklist of oribatid mites by critical analysis of the literature data. The systematic order of this species list follows the system used by R. Niemi et al. (1997), with elements also being incorporated from M. Gilyarov (1975) and G. Kranz (1978).

Checklist of the Oribatida of Latvia

Palaeacaridae

Genus *Palaeacarus* TRÄGÅRDH, 1932
Palaeacarus hystricinus (TRÄGÅRDH, 1932)

(= *P. appalachius* JACOT, 1938)

Brachychthoniidae

Genus *Brachychthonius* BERLESE, 1910
Brachychthonius italicus BERLESE, 1910
Brachychthonius berlesei (WILLMANN, 1928)
Brachychthonius criciodes (WEIS-FOGH, 1948)
Brachychthonius brevis (MICHAEL, 1888)
Genus *Sellnickochthonius* KRIVOLUTSKY, 1964
Sellnickochthonius zelawaiensis (SELLNICK, 1928)
Sellnickochthonius rostratus (JACOT, 1936)
Genus *Liochthonius* VAN DER HAMMEN, 1959
Liochthonius laetepictus (BERLESE, 1910)
Liochthonius horridus (SELLNICK, 1928)

Hypochthoniidae

Genus *Hypochthonius* C.L.KOCH, 1835
Hypochthonius rufulus C.L.KOCH, 1835
Hypochthonius luteus (OUDEMANS, 1917)

Eniochthoniidae

Genus *Eniochthonius* GRANDJEAN, 1933
Eniochthonius minutissimus (BERLESE, 1904)
Eniochthoniu pallidula (C.L.KOCH, 1836)

Eulohmaniidae

Genus *Eulohmannia* BERLESE, 1910
Eulohmannia ribagai BERLESE, 1910

Phtiracaridae

Genus *Phthiracarus* PERTY, 1841
Phthiracarus borealis (TRÄGÅRDH, 1910)
Phthiracarus pavidus (BERLESE, 1913)
(= *Hoplophthiracarus pavidus* BERLESE, 1913)
Phthiracarus piger (SCOPOLI, 1763)
(= *P. contractilis* PERTY, 1841)

Phthiracarus globosus (C.L.KOCH, 1841)
 Genus *Atropacarus* EWING, 1917
Atropacarus striculus (C.L.KOCH, 1836)
 Genus *Hoplophthiracarus* JACOT, 1933
Hoplophthiracarus pavidus (BERLESE, 1913)
 Genus *Steganacarus* EWING, 1917
Steganacarus magnus (NICOLET, 1855)
Steganacarus applicatus (SELLNICK, 1920)
Steganacarus carinatus (C.L.KOCH, 1841)
Steganacarus spinosus (SELLNICK, 1920)

Euphthiracaridae

Genus *Euphthiracarus* EWING, 1917
Euphthiracarus monodactylus (WILLMANN, 1919)
Euphthiracarus cribarius (BERLESE, 1904)
 Genus *Microtrititia* MARKEL, 1964
Microtrititia minima (BERLESE, 1904)
 Genus *Rhysotrititia* MARKEL, MAYER, 1959
Rhysotrititia ardua (C.L.KOCH, 1841)
 Genus *Oribotrititia* JACOT, 1924
Oribotrititia berlesei (MICHAEL, 1898)

Malaconothridae

Genus *Malaconothrus* BERLESE, 1904
Malaconothrus egregius BERLESE, 1904
 Genus *Trimalaconothrus* BERLESE, 1916
Trimalaconothrus novus (SELLNICK, 1921)
Trimalaconothrus tardus (MICHAEL, 1888)

Trhypochthoniidae

Genus *Trhypochthonius* BERLESE, 1904
Trhypochthonius tectorum BERLESE, 1896
Trhypochthonius cladonicola (WILLMANN, 1919)

Nothridae

Genus *Nothrus* C.L.KOCH, 1836
Nothrus palustris C.L.KOCH, 1839
Nothrus biciliatus C.L.KOCH, 1841
Nothrus borussicus (SELLNICK, 1928)
Nothrus anauniensis (CANESTRINI, FANZAGO, 1876)
Nothrus silvestris (NICOLET, 1855)

Camisiidae

Genus *Camisia* van HEYDEN, 1826
Camisia biurus (C.L.KOCH, 1839)
Camisia segnis (HERMANN, 1804)
Camisia horrida (HERMANN, 1804)
Camisia biverrucata (C.L.KOCH, 1839)

Camisia spinifer (C.L.KOCH, 1835)
 Genus *Heminothrus* BERLESE, 1913
Heminothrus paolianus (BERLESE, 1913)
 Genus *Platynothrus* BERLESE, 1913
Platynothrus peltifer (C.L.KOCH, 1839)
Platynothrus thori BERLESE, 1904
 (= *Heminothrus thori* (BERLESE, 1913))

Nanhermanniidae

Genus *Nanhermannia* BERLESE, 1913
Nanhermannia nana (NICOLET, 1855)
Nanhermannia comitalis BERLESE, 1916
Nanhermannia elegantula BERLESE, 1913
Nanhermannia coronata BERLESE, 1913

Hermannidae

Genus *Hermannia* NICOLET, 1855
Hermannia scabra (C.L.KOCH, 1879)
Hermannia gibba (C.L.KOCH, 1839)

Hermannelliidae

Genus *Hermannella* BERLESE, 1908
Hermannella granulata (NICOLET, 1855)
Hermannella punctulata BERLESE, 1908
Hermaniella picea (C.L.KOCH, 1840)

Neoliodidae

Genus *Poroliodes* (GRANDJEAN, 1934)
Poroliodes farinosus (C.L.KOCH, 1840)

Gymnodamaeidae

Genus *Gymnodamaeus* KULCZYNSKI, 1902
Gymnodamaeus bicostatus (C.L.KOCH, 1835)

Damaeidae

Genus *Damaeus* C.L.KOCH, 1836
Damaeus onustus C.L.KOCH, 1841
Damaeus clavipes (HERMANN, 1804)
 Genus *Spatiodamaeus* BULANOVA-ZACHVATKINA, 1957
Spatiodamaeus verticillipes (NICOLET, 1855)

Damaeidae

Genus *Belba* VON HEYDEN, 1826
Belba compta (KULCZYNSKI, 1902)
 Genus *Metabelba* GRANDJEAN, 1936
Metabelba pulverosa (STRENZKE, 1953)

Cepheidae

Genus *Cepheus* C.L.KOCH, 1836
Cepheus cepheiformis (NICOLET, 1855)

Cepheus latus C.L.KOCH, 1835

Eremobelbidae

Genus *Eremobelba* BERLESE, 1908

Eremobelba geographica BERLESE, 1908

Damaeolidae

Genus *Damaeolus* PAOLI, 1908

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Genus *Fosseremus* GRANDJEAN, 1954

Fosseremus laciniatus (BERLESE, 1905)

Eremaeidae

Genus *Eremaeus* C.L.KOCH, 1836

Eremaeus hepaticus C.L.KOCH, 1836

Genus *Eueremaes* MIHELICIC, 1963

Eremaeus oblongus C.L.KOCH, 1835

Caleremaeidae

Genus *Caleremaes* BERLESE, 1910

Caleremaes monilipes (MICHAEL, 1882)

Tenuialidae

Genus *Hafenrefferia* OUDEMANS, 1906

Hafenrefferia gilvipes (C.L.KOCH, 1839)

Gustaviidae

Genus *Gustavia* KRAMER, 1879

Gustavia microcephala (NICOLET, 1855)

Astegistidae

Genus *Astegistes* HULL, 1916

Astegistes pilosus (C.L.KOCH, 1840)

Genus *Cultroribula* BERLESE, 1908

Cultroribula bicultrata (BERLESE, 1905)

Genus *Furcoribula* BALOGH, 1943

Furcoribula furcillata (NORDENSKIOLD, 1901)

Liacaridae

Genus *Adoristes* HULL, 1916

Adoristes poppei (OUDEMANS, 1906)

Adoristes ovatus (C.L.KOCH, 1839)

Genus *Liacarus* MICHAEL, 1898

Liacarus coracinus (C.L.KOCH, 1841)

Liacarus xylariae (SCHRANK, 1803)

Genus *Xenillus* ROBINEAU-DESVOIDY, 1839

Xenillus tegeocranus (HERMANN, 1804)

Xenillus clypeator ROBINEAU-DESVOIDY, 1839

Pelopiidae

Genus *Ceratoppia* BERLESE, 1908

Ceratoppia bipilis (HERMANN, 1804)

Ceratoppia quadridentata (HALLER, 1880)

Carabodidae

Genus *Carabodes* C.L.KOCH, 1835

Carabodes marginatus (MICHAEL, 1884)

Carabodes minusculus (BERLESE, 1923)

Carabodes areolatus (BERLESE, 1916)

Carabodes femoralis (NICOLET, 1855)

Carabodes labyrinthicus (MICHAEL, 1879)

Carabodes forsslundi (SELLNICK, 1953)

Carabodes reticulatus (BERLESE, 1913)

Carabodes coriaceus C.L.KOCH, 1836

Tectocephidae

Genus *Tectocephus* BERLESE, 1895

Tectocephus velatus velatus (MICHAEL, 1880)

Quadropiidae

Genus *Quadropia* JACOT, 1939

Quadropia quadricarinata (MICHAEL, 1885)

Oppiidae

Genus *Oppia* C.L.KOCH, 1836

Oppia unicarinata (PAOLI, 1908)

Oppia minus (PAOLI, 1908)

Oppia obsoleta (PAOLI, 1908)

Oppia quadrimaculata (EVANS, 1952)

Oppia minutissima (SELLNICK, 1950)

Genus *Berniniella* BALOGH, 1983

Berniniella bicarinata (PAOLI, 1908)

(= *Oppia bicarinata* PAOLI, 1908)

Genus *Dissorhina* HULL, 1916

Dissorhina ornata (OUDEMANS, 1900)

(= *Oppia ornate* OUDEMANS, 1900)

Genus *Ramusella* HAMMER, 1962

Ramusella clavipectinata (MICHAEL, 1885)

(= *Oppia clavipectinata* MICHAEL, 1885)

Genus *Oppiella* JACOT, 1937

Oppiella nova (OUDEMANS, 1902)

Oppiella subpectinata (OUDEMANS, 1900)

Oppiella translamellata (WILLMANN, 1923)

Oppiella neerlandica (OUDEMANS, 1900)

Suctobelbidae

Genus *Suctobelba* PAOLI, 1908

Suctobelba trigona (MICHAEL, 1888)

Suctobelba intermedia (WILLMANN, 1939)

Genus *Suctobelbella* JACOT, 1937

Suctobelbella subcornigera (FORSSLUND, 1941)

Suctobelbella similis (FORSSLUND, 1941)

Suctobelbella acutidens (FORSSLUND, 1941)
Suctobelbella falcata (FORSSLUND, 1941)
Suctobelbella nasalis (FORSSLUND, 1941)
Suctobelbella perforata (STRENZKE, 1950)
Suctobelbella hammeri (KRIVOLUTSKY, 1965)
Suctobelbella forsslundi (STRENZKE, 1950)

Autognetidae

Genus *Autogneta* HULL, 1916
Autogneta longilamellata (MICHAEL, 1885)
Autogneta willmanni (DYRDOWSKA, 1929)

Thyrisomidae

Genus *Banksinoma* OUDEMANS, 1930
Banksinoma lanceolata (MICHAEL, 1885)
 Genus *Oribella* BERLESE, 1908
Oribella paoli (OUDEMANS, 1913)
Oribella castanea (HERMANN, 1804)

Hydrozetidae

Genus *Hydrozetes* BERLESE, 1902
Hydrozetes lemnae (COGGI, 1899)
Hydrozetes terrestris (BERLESE, 1910)
Hydrozetes lacustris (MICHAEL, 1882)

Limnozetestidae

Genus *Limnozetes* HULL, 1916
Limnozetes ciliatus (SCHRANK, 1803)

Cymbaeremaeidae

Genus *Cymbaeremaeus* BERLESE, 1896
Cymbaeremaeus cymba (NICOLET, 1855)

Micreremidae

Genus *Micreremus* BERLESE, 1908
Micreremus brevipes (MICHAEL, 1888)

Licneremaeidae

Genus *Licneremaeus* PAOLI, 1908
Licneremaeus licnophorus (MICHAEL, 1882)

Passalozetestidae

Genus *Passalozetes* GRANDJEAN, 1932
Passalozetes africanus GRANDJEAN, 1932
Passalozetes perforatus (BERLESE, 1910)
 (= *Scutovertex perforatus* BERLESE, 1910)

Scutoverticidae

Genus *Scutovertex* MICHAEL, 1879
Scutovertex minutus (C.L.KOCH, 1835)
Scutovertex sculptus (MICHAEL, 1879)

Phenopelopidae

Genus *Eupelops* EWING, 1917
Eupelops duplex (BERLESE, 1916)
Eupelops occultus (C.L.KOCH, 1835)
Eupelops acromios (HERMANN, 1804)
Eupelops geminus (BERLESE, 1916)
Eupelops tardus (C.L.KOCH, 1835)
Eupelops torulosus (C.L.KOCH, 1839)
 Genus *Peloptulus* BERLESE, 1908
Peloptulus phaenotus (C.L.KOCH, 1844)

Achipteriidae

Genus *Achipteria* BERLESE, 1885
Achipteria celeoprata (LINNE, 1758)
 Genus *Parachipteria* VAN DER HAMMEN, 1952
Parachipteria punctata (NICOLET, 1855)
Parachipteria bella (SELLNICK, 1928)
Parachipteria willmanni (VAN DER HAMMEN, 1952)

Tegoribatidae

Genus *Tegoribates* EWING, 1917
Tegoribates latirostris (C.L.KOCH, 1844)

Oribatellidae

Genus *Ophidiotrichus* GRANDJEAN, 1953
Ophidiotrichus connexa (BERLESE, 1904)
 Genus *Oribatella* BANKS, 1895
Oribatella quadricornuta (MICHAEL, 1884)
Oribatella calcarata (C.L.KOCH, 1836)
Oribatella ornata (COGGI, 1900)

Galumnidae

Genus *Acrogalumna* GRANDJEAN, 1956
Acrogalumna longiplumus (BERLESE, 1904)
 Genus *Galumna* VON HEYDEN, 1826
Galumna obvia (BERLESE, 1915)
Galumna lanceata (OUDEMANS, 1900)
Galumna europaea (BERLESE, 1914)
Galumna flagellata (WILLMANN, 1925)
 Genus *Pergalumna* GRANDJEAN, 1936
Pergalumna nervosa (BERLESE, 1914)
Pergalumna formicaria (BERLESE, 1914)

Ceratozetidae

Genus *Ceratozetes* BERLESE, 1908
Ceratozetes gracilis (MICHAEL, 1884)
Ceratozetes mediocris BERLESE, 1908
Ceratozetes thienemanni (WILLMANN, 1943)
Ceratozetes minimus (SELLNICK, 1928)

Genus *Ceratozetoides* SHALDYBINA, 1966
Ceratozetoides cisalpinus (BERLESE, 1908)
 Genus *Diapterobates* GRANDJEAN, 1936
Diapterobates humeralis (HERMANN, 1804)
Diapterobates notatus (THORELL, 1872)
 Genus *Trichoribates* BERLESE, 1910
Trichoribates trimaculatus (C.L.KOCH, 1835)
Trichoribates novus (SELLNICK, 1928)
Trichoribates incisellus (KRAMER, 1879)
 Genus *Fuscozetes* SELLNICK, 1928
Fuscozetes fuscipes (C.L.KOCH, 1844)
Fuscozetes setosus (C.L.KOCH, 1839)
 Genus *Melanozetes* HULL, 1916
Melanozetes mollicomus (C.L.KOCH, 1840)
 Genus *Sphaerozetes* BERLESE, 1885
Sphaerozetes piriformis (NICOLET, 1855)
Sphaerozetes orbicularis (C.L.KOCH, 1835)

Humerobatidae

Genus *Humerobates* SELLNICK, 1928
Humerobates fungorum (Linne, 1758)

Zetomimizidae

Genus *Zetomimus* HULL, 1916
Zetomimus furcatus (PEARCE & WARBURTON, 1906) (= *Ceratozetes f.* KARPPINEN, 1966)

Chamobatidae

Genus *Chamobates* HULL, 1916
Chamobates cuspidatus (MICHAEL, 1884)
Chamobates schutzi (OUDEMANS, 1901)
Chamobates spinosus (SELLNICK, 1928)

Mycobatidae

Genus *Minunthozetes* HULL, 1916
Minunthozetes semirufus (C.L.KOCH, 1841)
 (= *Punctoribates semirufus* KARPPINEN, 1958b)
Minunthozetes pseudofusiger (SCHWEIZER, 1922)
 (= *Punctoribates pseudofusiger* KARPPINEN, 1955c)
 Genus *Punctoribates* BERLESE, 1908
Punctoribates punctum (C.L.KOCH & BERLESE, 1840)
Punctoribates hexagonus BERLESE, 1908
Punctoribates sellnicki (WILLMANN, 1928)

Euzetidae

Genus *Euzetes* BERLESE, 1908
Euzetes seminulum (O.F.MULLER, 1776)
Euzetes globulus (NICOLET, 1855)

Mochlozetidae

Genus *Podoribates* BERLESE, 1908
Podoribates gratus (SELLNICK, 1921)

Haplozetidae

Genus *Haplozetes* WILLMANN, 1935
Haplozetes vindobanensis (WILLMANN, 1935)
 Genus *Peloribates* BERLESE, 1908
Peloribates europaeus (WILLMANN, 1935)
 Genus *Protoribates* BERLESE, 1908
Protoribates capucinus BERLESE, 1908
Protoribates variabilis (RAJSKI, 1958)

Parakalummidae

Genus *Protokalumma* JACOT, 1929
Protokalumma aurantica (OUDEMANS, 1913)

Scheloribatidae

Genus *Liebstadia* OUDEMANS, 1906
Liebstadia similis (MICHAEL, 1888)
Liebstadia humerata (SELLNICK, 1928)
 Genus *Paraleius* TRAVE, 1960
Paraleius leontonychus (BERLESE, 1910)
 Genus *Scheloribates* BERLESE, 1908
Scheloribates laevigatus (C.L.KOCH, 1836)
Scheloribates latipes (C.L.KOCH, 1844)
Scheloribates confundatus (SELLNICK, 1928)
Scheloribates pallidulus (C.L.KOCH, 1840)
Scheloribates initialis BERLESE, 1908

Oribatulidae

Genus *Phauloppia* SELLNICK, 1928
Phauloppia rauschensis SELLNICK, 1928
 Genus *Oribata* LATREILLE, 1802
Oribata geniculatus (LINNE, 1758)
 Genus *Oribatula* BERLESE, 1896
Oribatula tibialis (NICOLET, 1855)
 Genus *Zygoribatula* BERLESE, 1917
Zygoribatula exilis (NICOLET, 1855)
Zygoribatula propinquus (OUDEMANS, 1902)

Discussion

The checklist of oribatid mites of Latvia includes 200 species. The catalogue of Oribatida of Lithuania includes 312 species (Eitminavičiūtė 2003). The Lithuanian fauna of soil dwelling mites should be considered as well investigated. So we could expect a considerable increase in number of species of oribatid mites in Latvia by future investigations.

Kopsavilkums

Rakstā sniegts Latvijā pašlaik konstatēto bruņērču sugu sistemātiskais saraksts, kas sastādīts balstoties uz literatūras datiem. Saraksts ietver 200 sugas.

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Received: January 31, 2006.