



Фаунистический обзор панцирных клещей (Acari: Oribatida) Воронежского государственного природного биосферного заповедника

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....., 2018. (Acari: Oribatida)
1 (1), 104–110.

Введение

(Acariformes: Oribatida) – (–)

(),

(, 1994).

(13 26 8 17%
).
(, 2009).
10 10 . 580 (202, 203, 221, 222 340, 341, 342)
-
-
- 202, 203, 221, 222
«Die Tierwelt
Deutschlands. Hornmilben» (Weigmann, 2006).
(Balogh and Balogh, 1992a, b)
(Subías, 2014).

Результаты

59 33 85
54 49 31
17
(Mesoplophoridae Ewing, 1917)
(*Mesoplophora* Niedbala, 1985, *Furcoppia*
Mahunka, 1983, *Suctobelba* Paoli, 1908).
(Brachypylina).
73%
75% 27 25%.
(43%) (30%)
21%. 6%

(*Poroliodes farinosus*
Fosseremus laciniatus).
340, 341, 342
(
Brachychthoniidae,
Liebstadia pannonica, *Licnodamaeus pulcherrimus*
(
Furcoribula Eremaeus).
Euphthiracaridae,
Phthiracaridae, Achipteriidae, Ceratozetidae,
Scheloribatidae Galumnidae.
(Hypochthoniidae
Eniochthoniidae),
(Oppiidae, Suctobelbidae)

Аннотированный список панцирных клещей зоны ядра Воронежского заповедника

33%
30% -
, 26% -
13% -
(1994)
(30 52%,
)

(*)
(#) -
(. 1).
Надсем. Hypochthonioidea Berlese, 1910
(2 , 2 , 2)
. Hypochthoniidae Berlese, 1910
Hypochthonius Koch, 1835

Hypochthonius rufulus Koch, 1835 202, 203, 221, 222, 340, 341, 342

. **Eniochthoniidae Grandjean, 1947**

Hypochthoniella Berlese, 1910 (=Eniochthonius Grandjean, 1933)

Hypochthoniella minutissima (Berlese, 1904) 202, 203, 221, 222, 340, 341, 342

Надсем. Brachychthonioidea Thor, 1934

(1 , 3 , 8)

. **Brachychthoniidae Thor, 1934**

Brachychthonius Berlese, 1910

Brachychthonius impressus Moritz, 1976 #340, 341, 342

Brachychthonius hirtus Moritz, 1976 **340, 341, 342

Liochthonius Hammen, 1959

Liochthonius (Liochthonius) plumosus Mahunka, 1969 #202, 203, 221, 222, 340, 341, 342

Sellnickochthonius Krivolutsky, 1964

Sellnickochthonius cricoides (Weis-Fogh, 1948) 340, 341, 342

Sellnickochthonius rostratus hungaricus (Balogh, 1943) #340, 341, 342

Sellnickochthonius suecicus (Forsslund, 1942) 202, 203, 221, 222, 340, 341, 342

Sellnickochthonius zelawaiensis (Sellnick, 1928) 202, 203, 221, 222, 340, 341, 342

Sellnickochthonius jacoti (Evans, 1952) **340, 341, 342

Надсем. Epilohmannioidea Oudemans, 1923

(1 , 1 , 1)

. **Epilohmanniidae Oudemans, 1923**

Epilohmannia Berlese, 1910

Epilohmannia cylindrica (Berlese, 1904) #221

Надсем. Mesoplophoroidea Ewing, 1917

(1 , 1 , 1)

. **Mesoplophoridae Ewing, 1917**

Mesoplophora (Parplophora) Niedbala, 1985

Mesoplophora (Parplophora) pulchra Sellnick, 1928
**202, 203, 221, 222

Надсем. Euphthiracaroidae Jacot, 1930

(1 , 3 , 3)

. **Euphthiracaridae Jacot, 1930**

Acrotritia Jacot, 1923 (=Rhysotritia Märkel et Meyer, 1959)

Acrotritia ardua (Koch, 1841) 202, 203, 221, 222, 340, 341, 342

Euphthiracarus Ewing, 1917

Euphthiracarus (Euphthiracarus) reticulatus (Berlese, 1913) **203, 221

Microtritia Märkel, 1964

Microtritia minima (Berlese, 1904) 340, 341, 342

Надсем. Phthiracaroidae Perty, 1841

(1 , 3 , 5)

. **Phthiracaridae Perty, 1841**

Atropacarus Ewing, 1917

Atropacarus (Atropacarus) striculus (Koch, 1835) 202, 203, 221, 222, 340, 341, 342

Phthiracarus Perty, 1841

Phthiracarus (Phthiracarus) globosus (Koch, 1841) #202, 203, 221, 222

Phthiracarus (Phthiracarus) laevigatus (Koch, 1841) #340, 341, 342

Phthiracarus (Phthiracarus) longulus (Koch, 1841) #202, 203, 221, 222

Steganacarus Ewing, 1917

Steganacarus (Tropacarus) carinatus (Koch, 1841) #340

Надсем. Crotonioidea Thorell, 1876

(2 , 2 , 3)

. **Nothridae Berlese, 1896**

Nothrus Koch, 1836

Nothrus pratensis Sellnick, 1928 203

Nothrus pulchellus (Berlese, 1910) 203 (=Nothrus parvus Sitnikova, 1975)

. **Camisiidae Oudemans, 1900**

Camisia Heyden, 1826

Heminothrus (Platynothrus) peltifer (Koch, 1839) 202, 203, 221, 222, 340, 341, 342 (=Platynothrus grandjeani Sitnikova, 1975)

Надсем. Hermannielloidea Grandjean, 1934

(1 , 1 , 2)

. **Hermanniellidae Grandjean, 1934**

Hermanniella Berlese, 1908

Hermanniella dolosa Grandjean, 1931 221, 222

Hermanniella septentrionalis Berlese, 1910 221, 222

Надсем. Neoliodoidea Sellnick, 1928

(1 , 1 , 1)

. **Neoliodidae Sellnick, 1928**

Poroliodes Grandjean, 1934

Poroliodes farinosus (Koch, 1839) 221, 222

Надсем. Plateremaeoidea Trägårdh, 1926

(1 , 1 , 1)

. **Licnodamaeidae Grandjean, 1954**

Licnodamaeus Grandjean, 1931

Licnodamaeus pulcherrimus (Paoli, 1908) #340, 341, 342

Надсем. Gymnodamaeoidae Grandjean, 1954

(1 , 2 , 3)

. **Gymnodamaeidae Grandjean, 1954**

Adrodamaeus Paschoal, 1984

Adrodamaeus rossicus (Bulanova-Zachvatkina, 1967) **340, 341, 342

Gymnodamaeus barbarossa Weigmann, 2006 **340, 341, 342

Gymnodamaeus Kulczynski, 1902

Gymnodamaeus bicostatus (Koch, 1835) #340, 341, 342

Надсем. Damaeioidea Berlese, 1896

(1 , 4 , 5)

. Damaeidae Berlese, 1896*Damaeus* (*Epidamaeus*) Bulanova-Zachvatkina, 1957*Damaeus* (*Epidamaeus*) *bituberculatus* (Kulczynski, 1902) *#202, 203, 221*Damaeus* (*Spatiodamaeus*) Bulanova-Zachvatkina, 1957*Damaeus* (*Spatiodamaeus*) *kamaensis* (Sellnick, 1926) *#202, 203, 221, 342*Porobelba* Grandjean, 1936*Porobelba spinosa* (Sellnick, 1920) #202, 203, 221, 222, 340, 341, 342*Metabelba* Grandjean, 1936*Metabelba* (*Neobelba*) *pseudopapillipes* (Bulanova-Zachvatkina, 1967) #202, 203, 221, 222, 340, 341, 342*Metabelba* (*Metabelba*) *papillipes* (Nicolet, 1855) *#202, 203, 221, 222**Надсем. Niphocephoidea Trav, 1959**

(1 , 1 , 1)

. Compactozetidae Luxton, 1988**(=Cepheidae Berlese, 1896)***Cepheus* Koch, 1835*Cepheus cepheiformis* (Nicolet, 1855) #221**Надсем. Gustavoidea Oudemans, 1900**

(2 , 4 , 4)

. Astegistidae Balogh, 1961*Cultroribula* Berlese, 1908*Cultroribula bicultrata* (Berlese, 1905) #202, 340, 341, 342*Furcoppia* (*Mexicoppia*) Mahunka, 1983*Furcoppia* (*Mexicoppia*) cf. *vtorovi* (Krivolutsky, 1971) *#202, 203, 221, 222*Furcoribula* Balogh, 1943*Furcoribula furcillata* (Nordenskiöld, 1901) 342**. Liacaridae Sellnick, 1928***Liacarus* Michael, 1898*Liacarus* (*Dorycranosus*) *acutus* Pschorn-Walcher, 1951 341**Надсем. Eremaeioidea Oudemans, 1900**

(1 , 1 , 1)

. Eremaeidae Oudemans, 1900*Eremaeus* Koch, 1835*Eremaeus hepaticus* Koch, 1835 340, 341**Надсем. Ameroidea Bulanova-Zachvatkina, 1957**

(1 , 1 , 1)

. Damaeolidae Grandjean, 1965*Fosseremus* Grandjean, 1954*Fosseremus laciniatus* (Berlese, 1905) #202, 203, 221, 222**Надсем. Oppidea Sellnick, 1937**

(2 , 8 , 9)

. Oppiidae Sellnick, 1937**. Multioppiinae Balogh, 1983***Multioppia* Hammer, 1961*Multioppia glabra* (Mihelcic, 1955) 202, 340, 341, 342*Multioppia wilsoni laniseta* Moritz, 1966 *#221, 222*Ramusella* Hammer, 1962*Ramusella* (*Insculptoppia*) *furcata* (Willmann, 1928) *#202, 203, 221, 222**. Medioppiinae Subías et Minguez, 1985***Micropoppia* Balogh, 1983*Micropoppia minus* (Paoli, 1908) 202, 203, 221, 222, 340, 341, 342 (= *Oppia minutissima* Sellnick, 1950)*Rinoppia* Balogh, 1983 (= *Medioppia* Subías et Minguez, 1985)*Rinoppia subpectinata* (Oudemans, 1900) 340 (= *Medioppia tuberculata* Bulanova-Zachvatkina, 1964)**. Oppiellinae Seniczak, 1975***Berniniella* Balogh, 1983*Berniniella bicarinata* (Paoli, 1908) 221*Moritzoppia* Subías et Rodriguez, 1988*Moritzoppia unicarinata* (Paoli, 1908) 202, 203, 221, 222, 340, 341, 342*Oppiella* Jacot, 1937*Oppiella nova* (Oudemans, 1902) 202, 203, 221, 222, 340, 341, 342**. Quadropiidae Balogh, 1983***Quadropoppia* Jacot, 1939*Quadropoppia* (*Quadropoppia*) *quadricarinata* (Michael, 1885) 202, 203, 221, 222, 340, 341, 342**Надсем. Trizetoidea Ewing, 1917**

(1 , 2 , 8)

. Suctobelbidae Jacot, 1938*Suctobelbella* Jacot, 1937*Suctobelbella* (*Suctobelbella*) *acutidens sarekensis* (Forsslund, 1941) #202, 203, 221, 222*Suctobelbella* (*Suctobelbella*) *longicuspis* Jacot, 1937 #340, 341, 342*Suctobelbella* (*Suctobelbella*) *opistodentata* (Golosoova, 1970) #202, 203, 221*Suctobelbella* (*Suctobelbella*) *subcornigera* *subcornigera* (Forsslund, 1941) #202, 203, 221, 222, 340*Suctobelbella* (*Suctobelbella*) *subcornigera vera* (Moritz, 1964) #340, 341, 342*Suctobelbella* (*Flagrosuctobelba*) *alloenasuta* Moritz, 1971 #203*Suctobelbella* (*Flagrosuctobelba*) *forsslundi* (Strenzke, 1950) #221, 222, 340*Suctobelba* Paoli, 1908*Suctobelba aliena* Moritz, 1970 *#340, 341**Надсем. Carabodoidea Koch, 1837**

(1 , 1 , 3)

. Carabodidae Koch, 1837*Carabodes* Koch, 1835*Carabodes* (*Carabodes*) *subarcticus* Trägårdh, 1902 221, 222

Carabodes (Carabodes) areolatus Berlese, 1916 ^{221, 222, 340, 341, 342}

Carabodes (Carabodes) femoralis (Nicolet, 1855) ^{221, 340, 341, 342}

Надсем. Tectocepheoidea Grandjean, 1954

(1, 1, 1)

. Tectocepheidae Grandjean, 1954

Tectocepheus Berlese, 1896

Tectocepheus velatus sarekensis Trägårdh, 1910 ^{203, 221, 222, 340, 341}

Надсем. Achipterioidea Thor, 1929

(1, 2, 2)

. Achipteriidae Thor, 1929

Achipteria Berlese, 1885

Achipteria (Achipteria) nitens (Nicolet, 1855) ^{202, 203, 221, 222, 340, 341, 342}

Campachipteria (Triachipteria) Subías, 2017

Campachipteria (Triachipteria) fanzagoi (Jacot, 1929) ^{202, 203, 221} (= *Parachipteria willmanni* Hammen, 1952)

Надсем. Oribatelloidea Jacot, 1925

(1, 2, 2)

. Oribatellidae Jacot, 1925

Oribatella Banks, 1895

Oribatella (Oribatella) sexdentata Berlese, 1916 ^{#203, 221, 222}

Ophidiotrichus Grandjean, 1953

Ophidiotrichus tectus (Michael, 1884) ^{221, 222} (= *Notaspis borussicus* Sellnick, 1908)

Надсем. Ceratozetoidea Jacot, 1925

(3, 5, 7)

. Ceratozetidae Jacot, 1925

Ceratozetella Shaldybina, 1966

Ceratozetella (Ceratozetella) sellnicki (Rajski, 1958) ^{202, 203, 221, 222, 340, 341, 342}

Ceratozetes Berlese, 1908

Ceratozetes (Ceratozetes) gracilis (Michael, 1884) ^{202, 203, 221, 222, 340, 341, 342}

Ceratozetes (Ceratozetes) peritus Grandjean, 1951 ^{202, 203, 221, 222, 340, 341, 342}

Euzetes Berlese, 1908

Euzetes globulus (Nicolet, 1855) ^{202, 203, 221, 222, 340, 341, 342}

. Chamobatidae Thor, 1937

Chamobates Hull, 1916

Chamobates (Chamobates) cuspidatus (Michael, 1884) ³⁴¹

Chamobates (Chamobates) subglobulus (Oudemans, 1900) ^{#221, 222}

. Puncctoribatidae Thor, 1937

Puncctoribates Berlese, 1908

Puncctoribates (Semipuncctoribates) zachvatkini Shaldybina, 1969 ^{202, 221, 222, 341, 342}

Надсем. Oripodoidea Jacot, 1925

(3, 4, 6)

. Oribatulidae Thor, 1929

Oribatula (Zygoribatula) Berlese, 1916

Oribatula (Zygoribatula) exilis (Nicolet, 1855) ^{340, 341, 342}

Phauloppia Berlese, 1908

Phauloppia lucorum (Koch, 1841) ^{#341, 342}

. Liebstadiidae J. et P. Balogh, 1984

Liebstadia Oudemans, 1906

Liebstadia similis (Michael, 1888) ^{202, 203, 221, 222, 340, 341, 342}

Liebstadia pannonica (Willmann, 1951) ^{#341, 342}

. Scheloribatidae Jacot, 1935

Schelorbates Berlese, 1908

Schelorbates (Scheloribates) pallidulus pallidulus (Koch, 1841) ^{202, 203, 221, 222, 340, 341, 342}

Schelorbates (Scheloribates) pallidulus latipes (Koch, 1844) ^{202, 203, 221, 222, 340, 341, 342}

Надсем. Galumnoidea Jacot, 1925

(2, 3, 5)

. Parakalummidae Grandjean, 1936

Neoribates Berlese, 1914

Neoribates (Neoribates) gracilis Travé, 1970 ^{#340, 341}

Neoribates (Neoribates) aurantiacus (Oudemans, 1914) ^{202, 203, 221, 222, 340, 341, 342}

C . Galumnidae Jacot, 1925

Galumna Heyden, 1826

Galumna (Galumna) lanceata (Oudemans, 1900) ^{202, 203, 221, 222, 340, 341, 342}

Pergalumna Grandjean, 1936

Pergalumna nervosa (Berlese, 1914) ^{202, 203, 221, 222, 340, 341, 342}

Pergalumna willmanni (Zachvatkin, 1953) ^{#203, 221, 222}

Заклучение

Благодарности

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Список литературы

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 (... ..)
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Faunistic review of oribatid mites (Acari: Oribatida) from Voronezh state nature biosphere reserve

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The study presents results on the analysis of faunistic complex of oribatid mites inhabiting the core zone of Voronezh state nature biosphere reserve named after V.M. Peskov. The number of taxa of oribatid mites from the reserve's core zone inhabiting green-moss pine forests, aspen forests and alder forests including 85 species, 59 genera and 33 family is presented for the first time. Results of the study show that core zone fauna mostly consists of Palaearctic and Holarctic mite species. Pine forests were dominated by the ecological group of mites living in soil pores, aspen and alder forests – mites dwelling in the litter layer. Greater number of primary-unspecialized and lower number of surface dwelling species were found in the core zone comparing with the zone of economic use of the reserve.

Keywords: oribatid mites, species list, core zone, Voronezhskaya oblast, morphoecological types, pine forests, alder forests, aspen forests, specially protected natural territories.