

Data about the Uropodina Mites (Acari, Mesostigmata) of Latvia

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Abstract: Six Uropodina species (*Dinychus septentrionalis* (TRÄGÅRDH, 1943), *Dinychus woelkei* HIRSCHMANN et ZIRNGIEBL-NICOL, 1969, *Trichouropoda ovalis* (C.L. KOCH, 1839), *Trichouropoda shcherbakae* HIRSCHMANN, 1972, *Uroboovella fimicola* (BERLESE, 1903), *Uropoda orbicularis* (O.F. MÜLLER, 1776)) from Latvia are listed. Five of them are new for the fauna of Latvia.

Key words: Acari, Uropodina, Latvia, fauna.

Introduction

The Uropodina fauna of Latvia is poorly investigated. Until now only 2 Uropodina species, *Uropoda orbicularis* (O.F. MÜLLER, 1776) and *Uroboovella marginata* (C.L. KOCH, 1839) were known there (Eglitis 1954; Karps et al. 1990). This was mainly due to the absence of specialists of this group in Latvia.

Abbreviations used in the text: L. – collected substrates, Distr. – district, f. – forest, R. – river, L. – lake. Number of Uropodina specimens was not counted.

List of species

Uropodina KRAMER, 1881

Uropodidae BERLESE, 1892

***Dinychus septentrionalis* (TRÄGÅRDH, 1943)**

Short description. Length of idiosoma 500-540 µm, width 300-310 µm. Shape oblong.

Dorsal shield with several setiform setae. Dorsal, postdorsal, marginal and ventral shields with alveolar ornamentation. Four pairs of setae on the posterior margin of postdorsal shield. Two pairs of them penicilliate, other two pairs setiform (Fig. 1.1.). Genital shield of female large, wide, scutiform, with alveolar ornamentation and localised between coxae 3-4 (Fig. 1.2.). Species is recorded from Sweden (Wisniewski 1993).

L: Alūksne Distr., Dēliņkalns, 09.08.2003, on *Trichaptum abietinum* (J. DICKS.: FR.)
RYVARDEN, leg. I. Salmane

***Dinychus woelkei* HIRSCHMANN et ZIRNGIEBL-NICOL, 1969**

Short description. Length of idiosoma 570-580 µm, width 320-360 µm. Shape oblong.

Dorsal shield with several setiform setae. Dorsal, postdorsal, marginal and ventral shield with alveolar ornamentation. Ornamentation of sternal shield colliculate. Genital shield of female large, wide, scutiform, with alveolar ornamentation and localised between coxae 3-4 (Fig. 1.3.). This species is recorded from Germany and Hungary (Wisniewski 1993).

L: Dobele Distr., hillfort Īles, 05.10.2003, deciduous f., on *Fomitopsis pinicola* (Sw.: Fr.) P. KARST., leg. I. Salmane.

***Trichouropoda ovalis* (C.L. KOCH, 1839)**

Short description. Length of idiosoma 850-920 µm, width 660-640 µm. Shape oval.

Dorsal shield with several long, setiform setae. Dorsal, marginal and ventral shield with alveolar ornamentation. The ventral setae similar to the dorsal setae. All sternal setae short and setiform. Genital shield of female large, wide, anterior margin with process. This species is recorded from all over Europe (Wisniewski 1993).

L: Cēsis Distr., L. Ilzes, 06.06.2003, mixed f., Alūksne Distr., bog Ašu, 08.08.2003, coniferous f., Alūksne Distr., Ziemeri, 09.08.2003, mixed f., Limbaži Distr., Mantiņi, 21.08.2003, on *Fomitopsis pinicola* (Sw.: Fr.) P. KARST., leg. I. Salmane; Ogre Distr., Ogre, Pārogre, 09.12.2003, Ogre Distr., Ogre, Pārogre, 25.05.2003, on *Tilia cordata Ganoderma applanatum* (PERS.) PAT., leg. I. Salmane; Cēsis Distr., Nītaure, 01.08.2003, deciduous f., on *Phellinus alni* (BONDARTSEV) PARMASTO, leg. I. Salmane; Alūksne Distr., Ziemeri, mixed f., 09.08.2003, on *Stereum hirsutum* (WILD.) S.F. GRAY, leg. I. Salmane.

***Trichouropoda shcherbakae* HIRSCHMANN, 1972**

Short description. Length of idiosoma 470-520 µm, width 320-390 µm. Shape oval.

Ventral and marginal shields with coriaceous ornamentation and several filiform setae. Genital shield of female large and with long process on anterior margin and peritrema with characteristic shape (Fig. 1.4.). This species is recorded from Slovakia, Poland and Ukraine (Mašán 2001), and Hungary (Kontschán unpublished data).

L: Riga Distr., Saulkrasti, 31.07.2003, on *Bjerkandera adusta* (WILLD.: Fr.) P. KARST., leg. I. Salmane; Dobele Distr., hillfort Īles, 05.10.2003, on *Fomitopsis pinicola* (Sw.: Fr.) P. KARST., leg. I. Salmane.

***Uroobovella fimicola* (BERLESE, 1903)**

Short description. Length of idiosoma 550-640 µm, width 320-490 µm. Shape oblong.

Sternal and ventral shields with alveolar ornamentation. 4-5 pairs of setiform setae on a small platelets on posterior part of dorsal side. Genital shield of female scutiform and with alveolar ornamentation. This species is recorded from all over Europe (Wisniewski 1993).

L: Riga Distr., Olaine, 08.08.1997, compost, leg. I. Salmane.

***Uropoda orbicularis* (O.F. MÜLLER, 1776)**

Short description. Length of idiosoma 620-810 µm, width 530-620 µm. Shape circle.

The genital shield oval, the anterior margin with a strong spine and squamose ornamentation. The marginal region with a wide interscutellar membrane. The one pair of the perianal setae short setiform, the rest pairs longer, with fine denticulations (Fig. 1.5.). This species is recorded from all over Europe (Wisniewski 1993) including Latvia (Eglitis 1954).

L: Ogre Distr., Ogre, Pārogre, 25.05.2003, mixed f., on *Ganoderma applanatum* (PERS.) PAT., leg. I. Salmane.

Kopsavilkums

Dažādos Latvijas biotopos konstatētas sešas Uropodina ērču sugas: (*Dinychus septentrionalis* (TRÄGÅRDH, 1943), *Dinychus woelkei* HIRSCHMANN et ZIRNGIEBL-NICOL, 1969, *Trichouropoda ovalis* (C.L. KOCH, 1839), *Trichouropoda shcherbakae* HIRSCHMANN, 1972, *Uroobovella fimicola* (BERLESE, 1903) un *Uropoda orbicularis* (O.F. MÜLLER, 1776)). Piecas no tām ir jaunas sugas Latvijas faunai.

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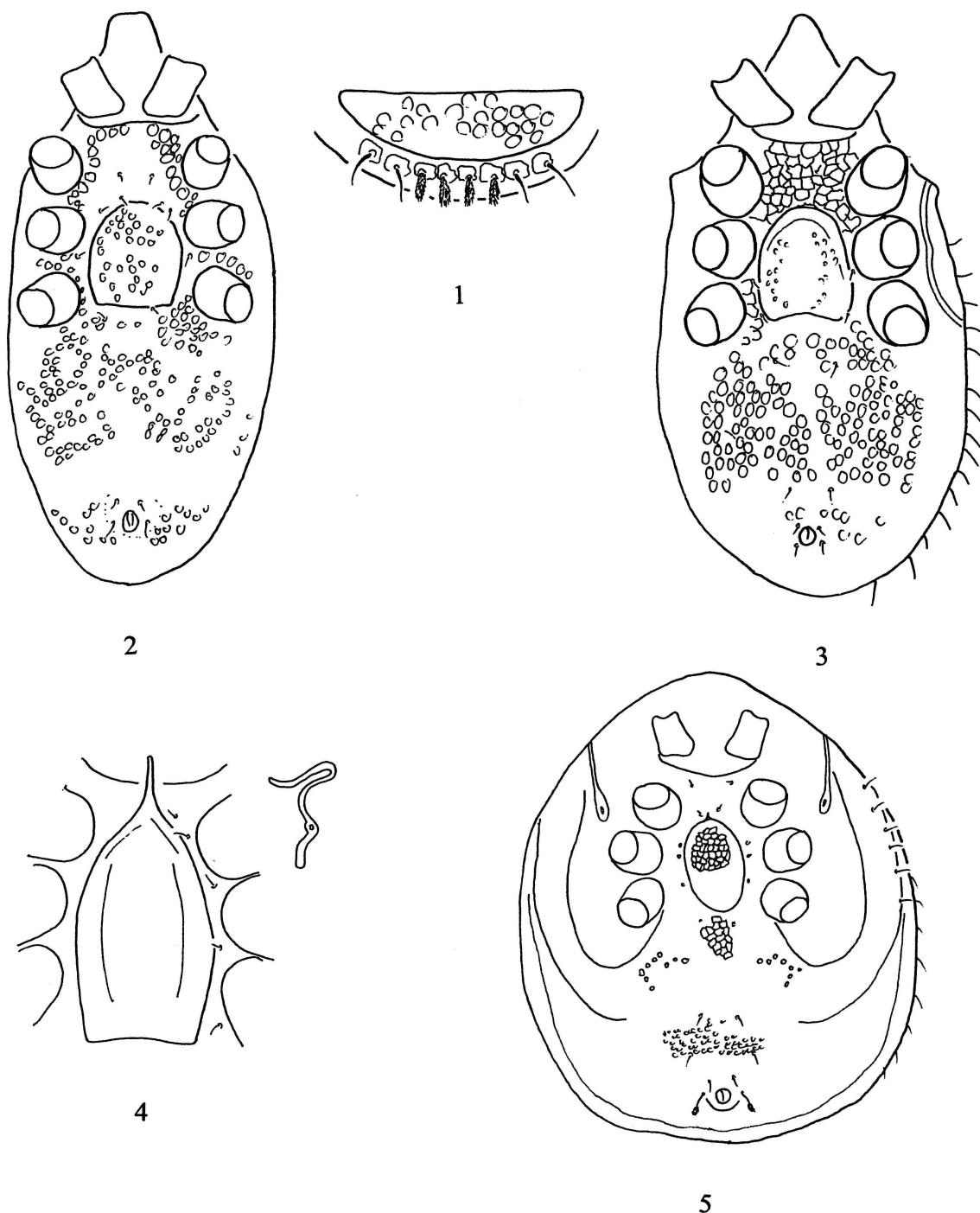


Figure 1 (1-5). Morphology of the Uropodina mites from Latvia (J. Kontschán del.):
 1. posterior part of the dorsal side of *Dinychus septentrionalis* (TRÄGÅRDH, 1943),
 2. ventral side of *Dinychus septentrionalis* (TRÄGÅRDH, 1943);
 3. ventral side of *Dinychus woelkei* HIRSCHMANN et ZIRNGIEBL-NICOL, 1969;
 4. sternal region of *Trichouropoda shcherbakae* HIRSCHMANN, 1972;
 5. ventral side of *Uropoda orbicularis* (O.F. MÜLLER, 1776).