

ARTÍCULO:

***Trichouropoda dentata* sp. n. (Acari: Uropodina) from Portugal**

Jenő Kontschán

*kontscha@zool.nhmus.hu*

Systematic Zoology Research  
Group of Hungarian Academy  
of Sciences  
Department of Zoology of  
Hungarian Natural History Museum  
H-1088 Budapest Baross u. 13.  
Hungary

**Revista Ibérica de Aracnología**

ISSN: 1576 - 9518.

Dep. Legal: Z-2656-2000.

Vol. 13, 30-VI-2006

Sección: Artículos y Notas.

Pp: 183-185

Edita:

**Grupo Ibérico de Aracnología (GIA)**

Grupo de trabajo en Aracnología  
de la Sociedad Entomológica  
Aragonesa (SEA)

Avda. Radio Juventud, 37

50012 Zaragoza (ESPAÑA)

Tef. 976 324415

Fax. 976 535697

C-elect.: *amelic@telefonica.net*

Director: Carles Ribera

C-elect.: *cribera@ub.edu*

Información sobre suscripción,  
índices, resúmenes de artículos *on  
line*, normas de publicación, etc., en:  
[http://entomologia.rediris.es/sea/  
publicaciones/ria/index.htm](http://entomologia.rediris.es/sea/publicaciones/ria/index.htm)

Página web GIA:

<http://entomologia.rediris.es/gia>

Página web SEA:

<http://www.sea-entomologia.org>

ARTÍCULO:

***Trichouropoda dentata* sp. n.  
(Acari: Uropodina) from Portugal**

Jenő Kontschán

**Abstract:**

A new species (*Trichouropoda dentata* sp. n.) is described. New findings of two other species [*Uropoda pulcherrima* (Berlese, 1903) and *Trachyuropoda sellnicki* Hirschmann et Zirngiebl-Nicol, 1969] are given. With 11 figures.

**Key words:** Acari, Uropodina, new species, Portugal

**Taxonomy:** *Trichouropoda dentata* sp. n.

***Trichouropoda dentata* sp. n. (Acari: Uropodina) de Portugal.**

**Resumen:**

Se describe una nueva especie *Trichouropoda dentata* sp. n. de Portugal.

Se aportan nuevas citas de otras dos especies [*Uropoda pulcherrima* (Berlese, 1903), *Trachyuropoda sellnicki* Hirschmann et Zirngiebl-Nicol, 1969]. Con 11 figuras

**Palabras clave:** Acari, Uropodina, especie nueva, Portugal

**Taxonomía:** *Trichouropoda dentata* sp. n.

**Introduction**

Uropodina fauna of Portugal is poorly-known. Only 11 species are known from this country (Winiewski, 1993).

Dr Tamás Szűts went for a collecting trip to Portugal in the spring of 2005. He collected some soil samples, in which three Uropodina species were found. One of them is a new species, the other two [*Uropoda pulcherrima* (Berlese, 1903), *Trachyuropoda sellnicki* Hirschmann et Zirngiebl-Nicol, 1969] have been already known from Portugal.

The found specimens are stored in alcohol and deposited in Collections of Soil Zoology of Hungarian Natural History Museum. All the measurements are given in micrometers ( $\mu\text{m}$ ).

***Trichouropoda dentata* sp. n.**

Figs 1-8

**MATERIAL:** Holotype: Female. Portugal, Vilago Geres, National Park Peneda Geres, soil sample, leg. T. Szűts, 10. June 2005. Paratypes two females. Date and locality as in holotype.

**DESCRIPTION:**

Female. Idiosoma oblong, 734-714  $\mu\text{m}$  long, 554-530  $\mu\text{m}$  wide (n=3).

Male, deuteronymph and protonymph unknown.

Dorsal side (Fig. 1): Dorsal shield with alveolar pattern, marginal shield without ornamentation. Crenulation between marginal and dorsal shields. Marginal and dorsal setae long, and needle-like, on apical part with short pilosity (Figs 2, 5).

Ventral side (Fig. 3): Sternal shield without ornamentation. Fourth sternal setae longer than other, all sternal setae smooth and needle-like. All ventral setae very long, smooth and setiform. Preanal line present. Adanal and postanal setae smooth and setiform, adanal setae longer than postanal seta. Ornamentation of ventral shield reticulate (Fig. 4).

Genital shield large, scutiform, with anterior process and alveolar ornamentation. Spines and teeth can be seen under genital shield (this is a component of endogynium covered by transparent genital shield). Some spines can be found under posterior part of genital shield (Fig. 6). Peritreme hook-form, stigma situated between coxae 2-3.

Gnathosoma (Fig. 7): Corniculi horn-like, with tooth on apical part. Laciniae long and smooth. C1 setae short, smooth and setiform on small horn-like base, C2 short, antler-shaped, C3 and C4 long, distally serrated. Base of tritosternum narrow, lacinia with serrated margin (Fig. 8). Epistome and chelicerae not clearly visible. Palp is shown in Fig. 7.

**ETYMOLOGY:** This species is named after the teeth which can be seen under genital shield.

**DIFFERENTIAL DIAGNOSIS:** The new species belongs to the *elegans* species group (Hirschmann & Wisniewski, 1988). The new species is similar to the species *Trichouropoda hispanica* Hirschmann et Zringiebl-Nicol, 1961, (Hirschmann & Zringiebl-Nicol, 1961) their distinguishing characters are summarized in Table I.

***Uropoda pulcherrima* (Berlese, 1903)**

Figs 9-10

**DIAGNOSIS:** Measurements: 1033-782  $\mu\text{m}$  long, 850-610  $\mu\text{m}$  wide. Shape of idiosoma oval. Different shapes (Figs 9-10) of strongly sclerotised lines on dorsal shield, dorsal and marginal setae long, smooth and needle-like. Marginal shield with coriaceous ornamentation. Genital shield of female scutiform with or without process.

**PREVIOUS RECORD:** Portugal (Wisniewski, 1993)

**NEW RECORD:** 3 females, Portugal, Vilago Geres, National Park Peneda Geres, from soil, leg. T. Szűts, 10. June 2005.

**DISTRIBUTION:** Europe

***Trachyuropoda sellnicki*  
Hirschmann & Ziringiebl-Nicol, 1969**

Fig. 11

**DIAGNOSIS:** Measurements: 1235  $\mu\text{m}$  long, 880  $\mu\text{m}$  wide. Shape of idiosoma oval. Two pairs of strongly sclerotised ring and two strongly sclerotised teeth on dorsal shield can be found. Genital shield of female oblong with some spines on anterior margin.

**PREVIOUS RECORD:** Portugal (Wisniewski, 1993)

**NEW RECORD:** one female, Portugal, Vilago Geres, National Park Peneda Geres, from soil, leg. T. Szűts, 10. June 2005.

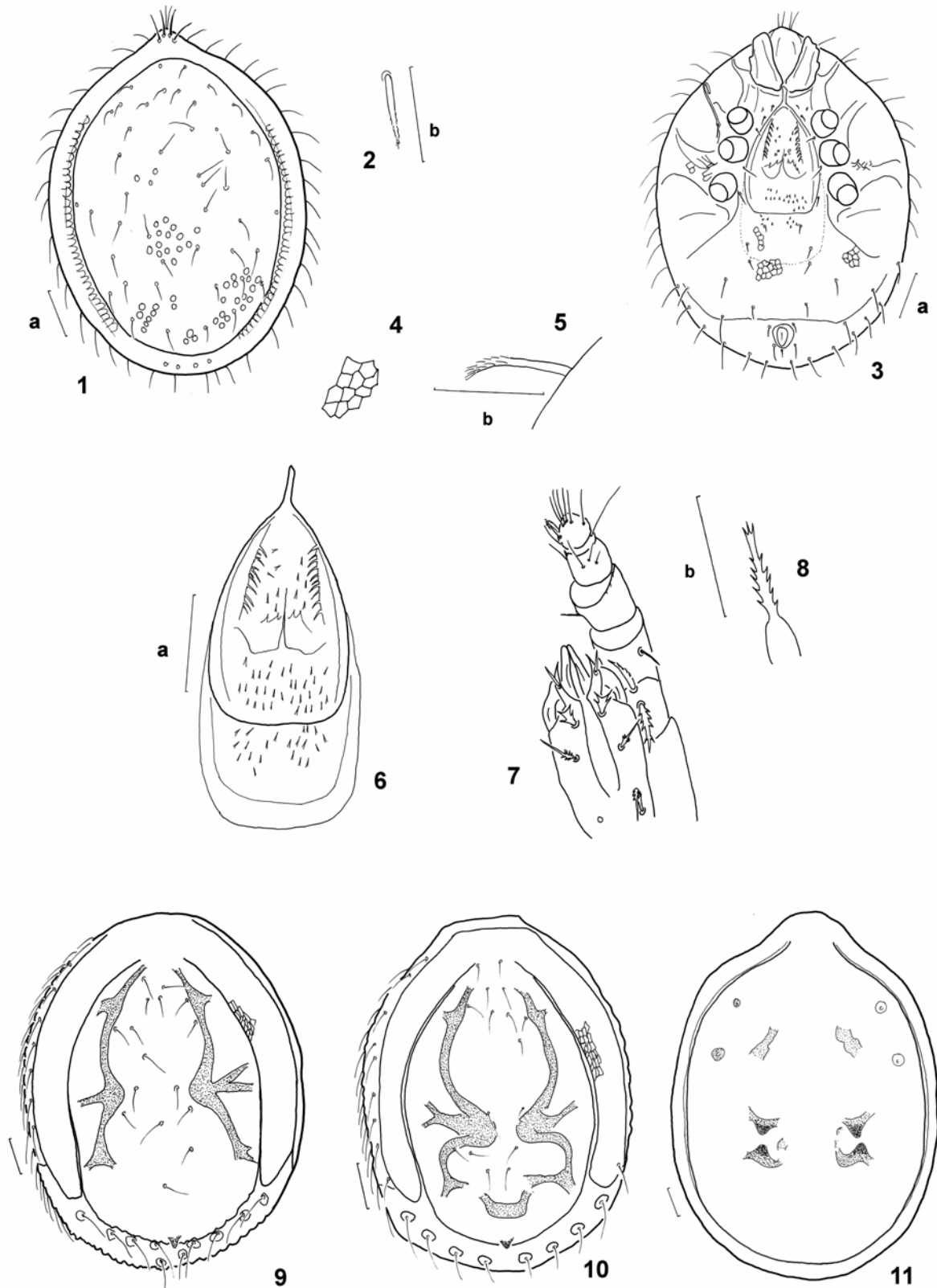
**DISTRIBUTION:** Spain and Portugal.

**Table I.** Distinguishing characters of *Trichouropoda dentata* sp. n. and *Trichouropoda hispanica*

	<i>Trichouropoda dentata</i> sp. n.	<i>Trichouropoda hispanica</i>
<b>Length of V1 and V2 setae</b>	V1 as long as V2	V1 shorter than V2
<b>Pattern of genital shield</b>	Alveolar	reticulate
<b>Distance between V1 and V2 setae</b>	Short	long

**References**

- HIRSCHMANN, W. & ZIRNGIEBL-NICOL, I. 1961. Beschreibung der Trichouropoda-Arten. *Acarologie*, **4**: 27-34.
- HIRSCHMANN, W. & WISNIEWSKI, J. 1988. Weltweite Revision der Gattung *Trichouropoda* Berlese, 1916 X. Die urospinoidea-Gruppe (Trichouropodini, Uropodinae). *Acarologie*, **35**: 29-59.
- WISNIEWSKI, J. 1993. Die Uropodiden der Erde nach Zoogeographischen Regionen und Subregionen geordnet (Mit Angabe der Lande). *Acarologie*, **40**: 221-291.



**Figures 1-8.** *Trichouropoda dentata* sp. n.: (1): dorsal view of idiosoma, (2): dorsal seta, (3): ventral view of idiosoma, (4): ornamentation of ventral shield, (5): marginal seta, (6): genital shield with endogynial indentation, (7): gnathosoma with palp, (8): tritosternum (scale bar: a = 100  $\mu$ m, b = 50  $\mu$ m)

**Figures 9-11.** Dorsal view of idiosoma: (9-10): *Uropoda pulcherrima*, (11): *Trachyuropoda sellnicki* (scale bar: 100  $\mu$ m)

