



On the taxonomy of water mites (Acari: Hydrachnidia) described from the Palearctic, part 2: Hydryphantoidea and Lebertioidea

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Abstract

The paper explains changes which become necessary in water mite taxonomy after revision of material from museum collections and recent field work. *Todothyas* Cook, 1974, not *Acerbitas* Özdikmen, 2006, must replace the preoccupied genus name *Thyas* Koch, 1836; *Acerbitas* is ranked as a subgenus of *Todothyas*. The following synonyms are established:

Family Hydryphantidae: *Todothyas distincta* (Tuzovskij, 2007) = *Todothyas colligera* (K.Viets, 1923); *Todothyas incerta* (Lundblad, 1941) = *Todothyas barbiger* (K.Viets, 1908); *Georgella intermedia* Walter, 1927 (*G. dauphinensis* nom. nov. K.O.Viets, 1987) = *G. koenikei* Maglio, 1906; *Hydrobaderia* Özkan, 1985 = *Hydryphantes* Koch, 1841; *Hydrobaderia ilicaensis* Özkan, 1985 = *Hydryphantes crassipalpis* Koenike, 1914; *Hydryphantes algeriensis* Walter, 1925 = *H. dispar* (Schaub, 1888); *Hydryphantes bayeri nonundulatus* K. Viets, 1919 = *H. planus* Thon, 1899; *Hydryphantes intermedius* Daday, 1901 = *H. dispar* (Schaub, 1888); *Hydryphantes spinipes* Walter, 1922 = *H. ruber* (Geer, 1787); *Paniscus clypeolatus* (Maglio, 1909) = *P. torrenticolus* Piersig, 1898; *Paniscus sarasini* Bader, 1981 = *P. michaeli* (Koenike, 1896); *Protzia multipora* Walter, 1922 = *P. squamosa* Walter, 1908; *Protzia macrognatha* Walter, 1944 = *P. distincta* Walter, 1922; *Sindacoides* Bader, 1992 = *Panisopsis* K.Viets, 1926; *Sindacoides ticinensis* Bader, 1992 = *Panisopsis setipes* (K.Viets, 1911); *Thyasella mandibularis torrenticola* Schwoerbel, 1958 = *T. mandibularis* Lundblad, 1924. *Hydryphantes pyrenaicus* E. Angelier 1985, published as a nomen nudum, refers to *H. armentarius* Gerecke, 1996.

Family Anisitsiellidae: *Bandakia bieberi* Bader, 1994 = *B. concreta* Thor, 1913.

Family Oxidae: *Oxus koenikei* Thor, 1899 = *O. longisetus* (Berlese, 1885).

Family Sperchontidae: *Mixosperchon* K. Viets, 1926 = *Hispidosperchon* Thor, 1901; *Charoelia* Bader, 1988 = *Sperchon* Kramer, 1877; *Charoelia schloethi* Bader, 1985 = *Sperchon mutilus* Koenike, 1908; *Sperchon sandozi* Bader, 1988 = *S. hispidus* Koenike, 1895; *Sperchon monstrosus* Bader, 1957 = *S. hibernicus* Halbert, 1944; *Sperchonopsis phreaticus* Biesiadka, 1975 = *S. procera* Láska, 1965 *stat. nov.*

Family Torrenticolidae: *Monatractides bicinctus* (Láska, 1933), *M. parvipalpis* (Halbert 1944), *M. robustus* (Halbert 1944), *T. (Monatractides) hibernica* Conroy, 1984 = *M. madritensis* (K. Viets, 1930).

Redescriptions are given for numerous further species, redefining diagnostic characters and geographical distributions.

Todothyas colligera (K. Viets, 1923) and *Wandesia propinqua* Walter, 1947 are redefined and newly established as separate species.

Parathyas primitiva Lundblad, 1935 is transferred to the genus *Todothyas* Cook, 1974.

Sperchon vaginosus Thor, 1902 is re-established as a distinct species in the 'denticulatus-group'.

Torrenticola laskai Di Sabatino spec. nov. is introduced as a new name for Mediterranean populations attributed by several authors to *T. lativalvata* K. Viets, 1952.

Torrenticola amplexa minutivalvata Lundblad, 1956 is elevated to species rank.