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ABSTRACT BOOK

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The Endemic Water Mite (Acari, Hydrachnidia) Species of Turkey and A General Assessment on Their Ecology

The water mites can inhabit in various aquatic ecosystems. They can be found in stream, lake, pool, temporary and permanent ponds, ground water, hot water source and saltwater. In the world, they are represented with 8 superfamily, 57 family, more than 400 genera and more than 6000 species. In Turkey, 7 superfamily, 25 family, 58 genera and 320 species were recorded. 52 of the total species are endemic. So far, the endemism range of the recorded species in Turkey is 16.25%. Distribution to the family of the endemic species are following; Acherontacaridae 1, Hydryphantidae 13, Sperchontidae 5, Anisitsiellidae 5, Lebertiidae 5, Pontarachnidae 1, Hygrobatidae 8, Feltriidae 1, Aturidae 3 and Arrenuridae 10. 38 of endemic species are recorded only from type locality and 14 are recorded from more than one locality. Further, 12 species are collected from standing waters and 40 species are collected from spring and streams.

Keywords: Turkey, Water Mite, Distribution, Endemic.