

Water mites of the family Torrenticolidae (Acari: Hydrachnidia) from Thailand, Part II. The genus *Monatractides* K.Viets

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Abstract

New records of water mites of the genus *Monatractides* K.Viets (Acari: Hydrachnidia, Torrenticolidae) from streams in Thailand are presented. One species, *Monatractides gledhilli*, new to science is described; a first description of the male is given for *M. circuloides* (Halík); first records from Thailand are given for *Monatractides neoapratima* (Wiles), *M. circuloides* (Halík), *M. kyphophorus* (K. Viets), *M. parviventris* (K. Viets), *M. longiventris* (K. Viets), *M. oxystomus* (K. Viets), *M. cf. garhwaliensis* Pesic *et al.*, *M. cf. tuzovskyi* Pesic *et al.*, *M. macroporus* K. Viets-complex and *M. plumosa* (Wiles). The zoogeographical characteristics of the Thailands torrenticolids are outlined. Additional work is highly desirable to clarify the taxonomy of SE Asian *Monatractides* species.

Key words: Acari, water mites, new species, running waters, Thailand

Introduction

Water mites of the family Torrenticolidae are presently known from all continents except Antarctica, but reach their highest diversity in the tropical climatic zone (Wiles 1997; Di Sabatino *et al.* 2003). During recent surveys of the water mite fauna of Thailand, many specimens of the torrenticolid water mites were collected. At present, ten species of the genus *Torrenticola* Piersig, two species of the genus *Neoatractides* Lundblad and one species of the genus *Pseudotorrenticola* Walter are known from Thailand (Pesic & Smit 2009). However, there are no records of the genus *Monatractides* K. Viets from Thailand.

The aim of our paper is to add new information on the little known torrenticolid fauna of the genus *Monatractides* from Thailand. Eleven species are identified of which one is new to science. Descriptions of these species are given in this paper.

Material and methods

Water mites were collected by hand netting, sorted on the spot from the living material and preserved in Koenike's fluid; some of them are dissected as described elsewhere (e.g. Gerecke *et al.* 2007) and mounted in Hoyer's fluid. Holotype and the paratypes are deposited in the Zoological Museum in Amsterdam (ZMAN).

The composition of the material is given as: males/females/nymphs (in parentheses: males/females/nymphs mounted in Hoyer's fluid). All measurements are given in µm. The following abbreviations are used: asl = above sea level, Cx-1 to Cx-4 = coxae 1 to 4, Cxgl-4 = coxoglandularia of fourth coxa (= E4 in Wiles 1997), L = dorsal length, %L = relative length, I/II/III/IV-Leg-1-6 = first to sixth segments of leg I/II/III/IV, P-1 to P-5 = palp segments 1 to 5, W = width.