

# Six Rotifer species new for the Turkish fauna

by Ahmet Altındağ, Murat Kaya, Mehmet Borga Ergönül and Sibel Yiğit

**Abstract.** The distribution of Rotifers in 18 dam lakes and natural lakes of Inner Anatolia, the Western Black Sea Region, the Mediterranean Region and Eastern Anatolia was studied between 1999 and 2004. Ninety rotifer species were found, of which six (*Brachionus forficula*, *Dicranophorus epicharis*, *Epiphanes macrourus*, *Lecane rhytida*, *Lecane obtusa*, *Testudinella parva*) are new to the Turkish fauna.

**Kurzfassung.** Zwischen 1999 und 2004 wurde die Verbreitung der Rotiferen in 18 Stauseen und natürlichen Seen in Inneranatolien, der Westlichen Schwarzmeerregion, der Mittelmeerregion sowie in Ostanatolien untersucht. Es wurden 90 Arten gefunden, von denen sechs neu für die Türkei sind: *Brachionus forficula*, *Dicranophorus epicharis*, *Epiphanes macrourus*, *Lecane rhytida*, *Lecane obtusa*, *Testudinella parva*.

**Key words.** Zooplankton, zoogeography, taxonomy, Turkey, Middle East.

## Introduction

In this study, the zooplankton samples obtained from 18 wetlands in Turkey were investigated and 90 species of Rotifers were recorded. Six of these species are new for Turkey.

## Material and methods

Rotifer samples were collected by using a standard plankton net (mesh diameter 55 µm). The material was fixed with 4% formaldehyde soon after collection. Species identification was made according to WARD & WHIPPLE (1945), EDMONDSON (1959) and KOSTE (1978). The sampling localities (Fig. 1) are listed below, with the sampling dates given after each locality.

1. Gelingüllü Dam Lake (Yozgat): 23.7.04, 26.8.04, 28.9.04. – 2. Lake Kuru (Karabük): 14.10.04. – 3. Uluabat Dam Lake (Bursa): Seasonal samples between February 2003 and January 2004. – 4. Kapulukaya Dam Lake (Kırıkkale): 28.4.01, 21.7.01, 21.10.01, 28.2.02. – 5. Tekir Pond (Kayseri): 25.6.04. – 6. Ağcaşar Dam Lake (Kayseri): 23.6.04. – 7. Çayırozü Pond (Kayseri): 21.6.04. – 8. Zamantı River (Kayseri): 19.6.04. – 9. Kızılkaya Stream (Ihlara Valley): 22.5.04. – 10. Lake Tortum (Erzurum): 24.9.04. – 11. Araç Stream (Karabük): 14.10.04. – 12. Zap River (Hakkari): Seasonal samples between 15.1.01 and 1.1.02. – 13. Zerne Dam Lake (Hakkari): 15.1.01, 10.4.01, 15.7.01, 15.10.01. – 14. Lake Sihke (Van): 1.5.01, 15.4.01, 15.7.01, 1.11.02. – 15. Lake Titreyen (Antalya): 13.5.2004. – 16. Lake Marmara (Manisa): Seasonal samples between April 2001 and January 2002. – 17. Lake Beyşehir (Isparta): Seasonal samples between May 1999 and April 2000. – 18. Dim Cave (Antalya): 14.5.04.