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Seasonal Fluctuations in the Zooplankton Composition of a Eutrophic Lake: Lake Marmara
(Manisa, Turkey)

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Abstract: Seasonal fluctuations in the zooplankton fauna of Lake Marmara were studied between spring 2001 and winter 2002. In all, 41 species, consisting of 29 Rotifera (81.99%), 8 Cladocera (12.88%), and 4 Copepoda (5.13%), were recorded. The dominant species in the lake were Keratella tecta (Rotifera), Bosmina longirostris (Cladocera), and Eucyclops serrulatus (Copepoda). According to the QBrachionus/Trichocerca index (6.08) used for the determination of trophic level, the lake was hypertrophic.



Key Words: Eutrophication, Lake Marmara, Rotifera, Turkey

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