

An Investigation on the Periphytic Species of Rotifera in the Lake Gala (Turkey)

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Abstract: This study was performed to determine the Rotifera species living on the *Thypha* sp., *Nymphaea* sp. and *Ceratophyllum* sp., and to put forward their macrophyte preferences, if they have been present in the Lake Gala National Park between June and December 2004. The effects of the physico-chemical parameters, which were measured in the lake, and the chlorophyll-a values of the macrophytes on the distribution of Rotifera species were also examined. As a result of the study totally 39 Rotifera species, belonging to 13 families, were found. Thirtytwo species on *Thypha* sp., 29 species on *Nymphaea* sp. and 21 species on *Ceratophyllum* sp. were determined. It was determined that *Keratella tropica* and *Polyarthra remata* preferred the *Thypha* sp., *Trichotria pocillum* and *Lecane luna* preferred the *Nymphaea* sp., *Lecane quadridentata*, *Habrotrocha* sp. and *Rotaria rotatoria* preferred the *Ceratophyllum* sp.

Key words: Lake Gala, Rotifera, Macrophyte, Physico-chemical parameters.