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Seasonal Fluctuation in the Rotifer Fauna of Kesikköprü Dam Lake (Ankara, Turkey)

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Abstract: The individual and seasonal variations of 11 rotifer species identified in Kesikköprü Dam Lake were investigated from April 1995 to May 1996. Species-wise percentages were *Polyarthra vulgaris* 24.5%, *Keratella quadrata* 20.8%, *Asplanchna priodonta* 16.0%, *Brachionus angularis* 11.2%, *Keratella cochlearis* 8.8%, *Synchaeta litoralis* 7.0%, *Lecane luna* 4.0%, *Notholca squamula* 3.8%, *Lepadella patella* 1.6%, *Notholca acuminata* 1.4% and *Colurella adriatica* 0.7%. Apart from two seasonal peaks in spring and autumn, some species such as *S. litoralis*, *L. luna*, *N. squamula*, and *C. adriatica* showed smaller fluctuations other than during seasonal peaks. When the annual abundance of species was taken into consideration, *P. vulgaris*, *K. quadrata*, *A. priodonta*, *S. litoralis* and *L. luna* were determined to be eurythermal, *B. angularis* and *K. cochlearis* hot-stenothermal, and *N. squamula* cold-stenothermal species. In addition to these, *P. vulgaris* and *A. priodonta* were determined to be perennial species for this dam's lake.

Key Words: Rotifer, Seasonal variation, Kesikköprü Dam Lake, Turkey

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