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Zooplankton of Two Drinking Water Reservoirs in Central Anatolia: Composition and Seasonal Cycle

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**Abstract:** Comparative studies were performed on the zooplankton composition and some physical and chemical properties of the Kurtboğazi and Çamlidere reservoirs. Zooplankton abundance, conductivity, organic matter, hardness and orthophosphate concentrations were lower and Secchi depth was higher in Çamlidere than in Kurtboğazi ( $P < 0.01$ ). Rotifera species such as *Polyarthra dolichoptera*, *Keratella quadrata*, *Asplanchna priodonta* and *Ascomorpha saltans* showed peaks, particularly in spring, summer and late summer. *Diaphanosoma lacustris*, *Bosmina longirostris* and *Ceriodaphnia quadrangula* of Cladocera species increased in late summer whereas *Bosmina longirostris* and *Daphnia* spp. were prominent in spring. The cyclopoid copepod *Cyclops vicinus* was dominant in Kurtboğazi and calanoid *Acanthodiaptomus denticornis* in Çamlidere.

**Key Words:** Zooplankton, composition, trophic state, reservoir

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