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A Study in The Seasonal Variation of Phytoplankton in Hafik Lake (Sivas, Turkey)

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**Abstract:** The seasonal variations in composition of the phytoplankton of Hafik lake was studied from April 1986 to June 1987. Bacillariophyta, Chlorophyta, and Cyanophyta were the most abundant components of the phytoplankton community. Chrysophyta, Cryptophyta, Dinophyta, and Euglenophyta were found in low numbers. Diatoms showed an increase in spring but were scarce in summer and autumn. *Cyclotella meneghiniana* Kuetz. and *Cyclotella ocellata* Pant. were the most frequent species. Chlorophyta was the next most abundant group and showed greater numbers in spring than in autumn and summer. *Chlamydomonas*, *Oocytis*, and *Scenedesmus* species were the main algae. Cyanophyta members (*Gloeocapsa*, *Chroococcus*, *Oscillatoria*) were present but relatively scarce.

 [Keywords](#)  
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**Key Words:** Lake, Phytoplankton, Seasonality

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