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Epilithic diatoms of Hazar lake/Elazig, Turkey

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Knowledge of the change the algae show in time is of high importance in terms of both human benefit and preservation of water quality. Because the number and diversity of algae and other organisms may constantly change depending on environmental conditions. Diatoms, which are one of the most appropriate biological components for determining environmental destructions in aquatic habitats, are used as biomonitors in water quality assessment. The aim of this study carried out in the coastal region where Hazar Lake Sivrice district settlement

is located, is to determine the epilithic diatoms of the lake and thus contribute to the identification of the algal flora of our inland waters. In this study, the epilithic diatoms in the samples taken from two stations in Hazar Lake (Elazig-Turkey) between June 2015 and November 2015 were analyzed. In total, 28 taxa belonging to the diatoms were recorded during the study. The diatom taxa *Cymbella* (6 taxa), *Navicula* (4 taxa) and *Nitzschia* (4 taxa) were represented by the most taxa.

Biography

Zeliha Selamoglu is the Professor in Medical Biology department of Nigde Omer Halisdemir University, Turkey. She earned her PhD in Biology from Inonu University, She has published over 90 peerreviewed journal articles with over 835 citations and many technical reports. She is a member of Society for Experimental Biology and Medicine: Associate Membership and European association for cancer research. She has served as Editorial Board member for many Journals. Her research Interest focuses on Medical Biology, Molecular Biology, Biochemistry, Biotechnology, Oxidative stress, Antioxidants, Cancer.

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