
SHC 4. THE VARIANCE OF SOME METALS' LEVELS IN THE DIFFERENT TISSUES OF VAN FISH (*ALBURNUS TARICHI*, GÜLDENSTÄDT 1814) ACCORDING TO GENDER AND WEIGHT

Aslı Çilingir YELTEKİN, Ahmet Regaip OĞUZ

Department of Chemistry, Faculty of Science, University of Yuzuncu Yil, 65080, Van, Turkey

Department of Biology, Faculty of Science, University of Yuzuncu Yil, 65080, Van, Turkey

The environmental pollution threatens the ecosystem and people more every day. This situation is also valid for Lake Van. For this reason, the alterations of some metal levels were studied according to gender and weight in Van fish (*Alburnus Tarichi*, Gldenstdt 1814). In the study, beryllium (Be), bismuth (Bi), lead (Pb), cadmium (Cd) elements in the tissues of muscles, liver, gills, gonads and brain of Van fishes were analysed by inductively coupled plasma optical emission spectroscopy (ICP-OES). Highly toxic Be, Bi, Pb and Cd elements were found in the tissues of Van fish. In the study, the metal concentration in the male fishes were found to be higher than the female fishes ($p<0.05$). According to their weight, the levels were found higher in the $80>Wght$ group and $80-100 Wght$ group, and lower in the $100<Wght$ group ($p<0.05$).

*aslicyeltekin@gmail.com