Concentration Trends of Major Minerals

in a Tuz Lake Sediment Core

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**ABSTRACT**

In this research project, mineral concentrations in a sediment core obtained from the Tuz Lake which is located in Central Anatolian Region of Turkey were determined. In the first phase of the research, literature search was performed using the journal databases of the Marmara University Library. In the second phase, mineralogical analyses were performed in the X-Ray Diffraction (XRD) Laboratory within the School of Engineering. Among the examined minerals, calcite and dolomite minerals have shown significant opposite concentration trends. It is thought that, in situ dolomitization process is one of the candidates responsible for this opposite behavior.