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ANALYTICAL CHARACTERIZATION OF THE SAPROPELIC MUD FROM SALT LAKE

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Abstract

Mud treatment is one of the oldest treatment procedures. The therapeutic value of water and mud from the Salt Lake (*Lacu Sarat*) is known for a long time by the inhabitants of this region, but yearly a lot of tourists come here and most of them for a cure. This paper presents the results of studies for the duration of two years, with the students of the Department of Chemistry research group. These were analyzed the total contents of Fe, Cu and Cr in the sapropelic mud, for analytical characterization of the therapeutic and used mud. The methods applied were the titrimetric and molecular absorption spectrometry ones. The obtained results led us to evidence an ionic exchange between the therapeutic mud and the human organism at the epithelial level. In the field of natural cure, Romania has a special position thanks to its natural cure factors: mineral and thermal waters, therapeutic mud and lakes. Variety of natural resources and quality ranks Romania on the first place in Europe.

Keywords: therapeutic mud, sapropelic mud, Fe, Cu, Cr

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