

Physicochemical parameters of groundwater (Foggara) and sand dune (Timimoun) Algeria

Authors

A Maazouzi, A Kettab, A Badri, B Zahraoui, R Khalfaoui

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Description

This work aims at the characterization of sand dune (Timimoun), which is found in considerable quantity in Algeria Western South, and studies the physicochemical quality of ground water (foggara), using for the drinking and irrigation. In order to perform a chemical analysis of the porous environment studied in summer to provide us with a qualitative and a quantitative information about the chemical composition of the sample, the results obtained show that the quartz (97%) is the most represented mineral, the oxides of aluminum, potassium, iron, chromium, and manganese, identified by the chemical analysis, probably enter in the clayey phase, the granulometric analysis permitted us to determine some parameters as the uniformity coefficient, equivalent diameter, and a comparison of the IR spectrum of the sand (washed and non washed) was achieved, and observations to the scanning electron microscopy and ...