

The largest thermal anomaly in the northern zone is found in northeastern Algeria, aligned SW-NE, consistent with the concentration of hot springs. The highest heat flux is observed in the southern ...

The Hamman Debbagh thermal spring (among the 13# Guelma Basin thermal springs in northeast Algeria) has an active thermal source on top of a faulting system with surface temperatures between ...

This paper constitutes a new technological solution for the exploitation of one of the most important geothermal deposits located in the locality of Biskra (South-east Algeria).

Geothermal manifestations of thermal springs, travertine deposition and hydrothermal alteration zones in the Northwestern part of Algeria were formed during the Mio-Plio-Quaternary volcanic activities.

The deep circulation of meteoric waters in the study area is supplied by the high geothermal gradient around 4.5°C per 100 m and reaches a high temperature before rising to the surface. The estimated ...

s experimental study is made of PVC. The problem that can be encountered is the immersion of the exchanger given its low density with the air in front of the water. The use of other materials such as ...

Using empirical equations based on porosity and bottom-hole temperature (Tbht) data, over 57 new values of geothermal gradient and thermal conductivity have been calculated.

This area comprises the most Algerian geothermal provinces characterized by the presence of several thermal hot springs known since Roman times and mainly used as baths.

Hydrochemical and isotopic analyses of thermal waters in north-eastern Algeria were carried out to understand their origins.

In this work, the hydrochemistry of thermal waters in North Algeria was investigated. The study area is characterized by a cold climate with intense rain and medium evaporation rates. The ...



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