

Session title

Developments in Mineral and Thermal Waters: from exploration to sustainable use.

Description

Mineral and thermal waters constitute a specific categories of groundwaters that carry out high concentrations of certain elements and heat from Earth's crust. The importance of such waters result from their broad economic usefulness and unique societal functions linked directly to human health and wellness. The occurrence, origin, chemical and physical properties of mineral and thermal waters are key factors in determining the methods and possibilities of their use and application in a given area. Today, in the era of exploration of alternative sources of critical elements and green energy the role and significance of such waters is rising, and much attention is being paid to the development of new technologies of their exploration, management and sustainable utilization.

Keywords

geothermal waters, brines, critical elements, hydro-geochemistry, isotopic methods, balneology and health, water quality.

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