Special Issue

Temperature in Sedimentary Basins

Message from the Guest Editors

In a sedimentary basin, temperature is one of the most critical parameters, since it controls several processes, such as mineral precipitation; diagenesis; maturation of organic matter; and fluids circulation. In turn, temperature attained in a basin is the result of the interplay among several sedimentologic, structural, tectonic, and geodynamic processes, which are specific for each sedimentary basin.

This Special Issue aims at presenting an overview on the relevance of reconstructing the temperature variation over the time in the sedimentary basins, in order to deeply understanding their tectono-stratigraphic evolution as well as the processes forming geo-resources. In this issue, the application of different approaches to reconstruct the paleotemperature attained in the basin will also be illustrated.

Guest Editors

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Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.
We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

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