Special Issue

The Deformation Structures of Carbonates

Message from the Guest Editors

The nature of deformation structures is a key for understanding the geodynamic conditions in a sedimentary basin. Deformation structures could be developed both after and during the sedimentation processes.

The detailed study of deformation structures is an important tool for hydrocarbon exploration and prospectivity, as they can affect the porosity and permeability of the lithified rock and hydrocarbon fields in general.

Inversion tectonic frequently, from an extensional to a compressional regime, offers the opportunity to have both different deformation structures in the same outcrops. Inversion is important in many orogenic belts where the thick-skinned compressional structures, including inversion structures and huge deformation structures, develop along with thin-skinned deformation structures, above shallow detachments, producing additional deformation structures with different scales.

This Special Issue welcomes high-impact original research and review papers that discuss in general the deformation structures associated with the tectonic setting and link the findings with global models.

Guest Editors

Prof. Dr. Avraam Zelilidis
Department of Geology, University of Patras, 26504 Patras, Greece
Dr. Nicolina Bourli
Department of Geology, University of Patras, 26500 Patras, Greece

Deadline for manuscript submissions

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Minerals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
minerals@mdpi.com

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Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth, Germany

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