

Special Issue

Geochemistry, Petrogenesis, and Tectonic Setting of the Mesozoic Magmatism

Message from the Guest Editors

The Mesozoic (252 to 66 Ma) is a significant geological era marked by magmatic events related to different tectonic settings and distributed worldwide. Several mineralogical, geochemical and isotopic traditional tools, as well as quantitative procedures, have been used to reconstruct the petrogenetic history of the igneous rocks. Thus, petrological studies on magmatism provide valuable information on the conditions of their origin, evolution, tectonic setting, and age, contributing to our understanding of the global geotectonic development and its implications in paleogeography, ore deposits, terrestrial climate, and biota diversity. This Special Issue aims to collect in single volume information provided by studies on Mesozoic magmatism. Contributions based on works on case studies related to different tectonic settings, as well as on petrologic models using information generated by mathematical or statistical approaches (for example: spatial distribution analysis, intensive parameter evaluation, magmatic process modeling, etc.) are warmly welcome.

Guest Editors

Prof. Dr. Fernando Velasco-Tapia
Prof. Dr. Juan Alonso Ramírez Fernández
Prof. Dr. Uwe Jenchen

Deadline for manuscript submissions

closed (30 June 2023)



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About the Journal

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.

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Prof. Dr. Leonid Dubrovinsky

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