Special Issue

Petrology, Geochemistry, Geochronology and Applications of Marble, Metacarbonate and Calc-Silicate Rocks

Message from the Guest Editors

Marbles, metacarbonates, and calc–silicate rocks are volumetrically minor components of both oceanic and continental crust. In addition to CaCO3 mineral phases, these rocks contain other minor minerals such as piroxene, amphibole, garnet, olivine, feldspar, epidote, and quartz and accessory minerals such as titanite, apatite, zircon, and rutile, which are potential petrologic and geochronologic tools. The petrologic and geochemical study of marbles, metacarbonates and calc–silicate rocks can provide useful information on the P–T–X characterization and timing of metamorphic and metasomatic events. These rocks have also been largely used as building stone, for industrial processes and as ornamental stones. Traceability, routine maintenance, and conservation are aspects dealt with regarding their use in historical periods.

Guest Editors

Dr. Antonio Langone
Consiglio Nazionale delle Ricerche, Roma, Italy

Dr. Maria Pia Riccardi
Department of Earth and Environmental Sciences, University of Pavia, 27100 Pavia, Italy

Dr. Mattia Bonazzi
Department of Earth and Environmental Science, University of Pavia, Pavia, Italy

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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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