

Special Issue

Carbonate Systems: Petrography, Geochemistry and Resource Effect

Message from the Guest Editors

On behalf of Minerals, we are pleased to announce the launch of our Special Issue entitled, "Carbonate Systems: Petrography, Geochemistry and Resource Effect", and extend a warm invitation to you to submit your contributions. This Special Issue focuses on carbonate rocks and sediments across continental–marine settings and all geological ages, with a core focus on the tripartite relationship between their petrological characteristics, geochemical signatures, and resource effects. We seek contributions that cover diverse themes—from stratigraphic–sedimentary frameworks, petrological diagenesis, and geochemical environmental records to (paleo)climate–oceanography implications—with a mandatory link to resource-related effects. Specifically, we welcome work that deciphers how petrological textures (e.g., pore networks) and geochemical signals (e.g., Sr/Ca ratios) constrain resource formation, preservation, and exploitation. Thematic reviews synthesizing cutting-edge progress in this integrated field and specialized studies with innovative methods are equally encouraged. We appreciate your interest and look forward to receiving your contributions.

Guest Editors

Dr. Hao Tang

School of Geoscience and Technology, Southwest Petroleum University, Chengdu 610500, China

Dr. Stephen Kershaw

Department of Life Sciences, Brunel University, Uxbridge UB8 3PH, UK

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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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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.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth,
Germany

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).