Special Issue

Deposition, Diagenesis, and Geochemistry of Carbonate Sequences

Message from the Guest Editors

Carbonate sedimentary sequences host large volumes of hydrocarbon and mineral deposits in almost all geographical settings. Comprehensive study of these sequences commonly includes five main subjects: (1) understanding their depositional environment thorough facies analysis and modeling; (2) unraveling their diagenetic history by the integration of petrographic and geochemical investigations; (3) sequence stratigraphic interpretations using sedimentological, paleontological, geochemical, geophysical, and petrophysical data; (4) fault and fracture analysis; and (5) geological correlations and modeling of carbonate sedimentary systems. In these subjects, various sources of data are used, including petrography, SEM, CL microscopy, XRD, well-logs, X-ray CT scanning, and geochemical analyses. In addition to their economic importance, carbonate successions are a valuable archive of past environmental changes. This Special Issue aims to contribute to the disclosure of high-quality research on carbonate sedimentary sequences. Case studies and reviews are both welcome.

Guest Editors

Dr. Hamzeh Mehrabi

School of Geology, College of Science, University of Tehran, Tehran 1417466191, Iran

Dr. Vahid Tavakoli

School of Geology, College of Science, University of Tehran, Tehran 1417466191, Iran

Deadline for manuscript submissions

closed (31 December 2023)

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/146428

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

mdpi.com/journal/minerals

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/journal/minerals

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

MDPI