



Petroleum Geology and Geochemistry of Sedimentary Basins

Guest Editors:

Dr. Daniel Rodrigues do Nascimento Junior

Department of Geology, Federal University of Ceará (UFC), Fortaleza 60440-554, Ceará, Brazil

daniel.rodrigues@ufc.br

Dr. Ana Clara Braga de Souza

Interdisciplinary Natural Sciences Degree, Federal University of Maranhão (UFMA), Grajaú 65940-000, Maranhão, Brazil.

souzaanaclarageologia@gmail.com

Dr. Thomas Gentzis

Core Laboratories LP, 6316 Windfern Road, Houston, TX 77040, USA

thomas.gentzis@corelab.com

Deadline for manuscript submissions:

28 April 2023

Message from the Guest Editors

Dear Colleagues,

We are pleased to announce the Special Issue “Petroleum Geology and Geochemistry of Sedimentary Basins”, devoted to a broad spectrum of research in the field, including the origin, storage, pathways and characterization of hydrocarbons. In the context of an increasing demand for energy resources and for answers to global warming at the same time, petroleum geology and geochemical research are positioned in the middle of these issues, considering that hydrocarbon sources will remain essential during an energy transition scenario for humankind in the coming decades. Therefore, we are seeking not only alternative sources of energy but also new ways to improve reservoir modeling and recovery of hydrocarbons from both fresh and mature fields, and its unconventional sources, such as shale gas, tight oil, etc.

Our goal for this Special Issue is to gather topical, high-quality works in a concise collection focusing on petroleum geology and geochemistry, namely geology, geochemistry and mineralogy of conventional and unconventional oil and gas resources.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Paul Sylvester

Endowed Pevehouse Chair,
Department of Geosciences,
Texas Tech University, Lubbock,
TX 79409-1053, USA

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.

Author Benefits

Open Access:— free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [GeoRef](#), [CaPlus / SciFinder](#), [Inspec](#), [Astrophysics Data System](#), [AGRIS](#), and other databases.

Journal Rank: [JCR - Q2 \(Mineralogy\)](#) / [CiteScore - Q2 \(Geology\)](#)

Contact Us

Minerals
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/minerals
minerals@mdpi.com
[@Minerals_MDPI/](https://twitter.com/Minerals_MDPI/)