

## Special Issue

# Organic–Inorganic Interactions and Their Significance for Hydrocarbon Generation in Deep Formations

### Message from the Guest Editors

This Special Issue on “Organic–Inorganic Interactions and Their Significance for Hydrocarbon Generation in Deep Formations” aims to cover recent advances in novel discoveries, data, methods and/or applications. Topics include, but are not limited to, the following areas:

- HC generation from OM decomposition at a high temperature and pressure;
- Mechanisms and kinetics of TSR, as well as their effects on HC generation;
- Mechanisms and identification of water/H<sub>2</sub>-mineral-OM reactions;
- Catalysis of minerals/metal elements on HC generation from OM;
- Properties, origin and reactivity of H<sub>2</sub> fluids in deep formations;
- Origin/accumulation of oil and gas in reservoirs related to organic–inorganic interactions;
- High-temperature and pressure physical simulation experiments, the novel technology of fluid genesis analysis as well as theoretical calculation methods related to HC generation.

---

### Guest Editors

Prof. Dr. Dongya Zhu

Dr. Kun He

Dr. Jia Wu

Dr. Qingqiang Meng

---

### Deadline for manuscript submissions

closed (26 February 2024)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.7



[mdpi.com/si/152449](https://mdpi.com/si/152449)

*Processes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto:processes@mdpi.com)

[mdpi.com/journal/  
processes](https://mdpi.com/journal/processes)





# Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.7



[mdpi.com/journal/  
processes](https://mdpi.com/journal/processes)



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

---

### 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), Ei Compendex, Inspec, AGRIS, and other databases.

#### Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))