

## Special Issue

# Heat Processing, Surface and Coatings Technology of Metal Materials

### Message from the Guest Editors

This Special Issue aims to compile original research articles and reviews that explore the latest advancements in functional coatings for metal materials. By shedding light on novel coating formulations, innovative deposition techniques, and advanced characterization methods, we aim to provide a comprehensive overview of the state-of-the-art in this field. The subject matter of this Special Issue aligns closely with the scope of Heat Processing, Surface and Coatings Technology of Metal Materials, as it delves into the intricacies of surface engineering and coatings technology, particularly in the context of metal materials. We welcome contributions encompassing a wide range of research areas, including but not limited to:

- Novel coating formulations and compositions;
- Advanced deposition techniques for functional coatings;
- Characterization methods for assessing coating properties and performance;
- Applications of functional coatings in corrosion protection, wear resistance, thermal management, and biocompatibility;
- Mechanistic studies elucidating the behavior and performance of functional coatings.

---

### Guest Editors

Dr. Guoliang Chen

Dr. Haoyang Fu

Dr. Yongchun Zou

---

### Deadline for manuscript submissions

closed (25 April 2025)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/198313](https://mdpi.com/si/198313)

*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 5.5



[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))