

## Special Issue

# Synthesis, Characterization, and Application of Functional Materials

### Message from the Guest Editor

Functional materials in forms of thin films, rods, wires, sheets, etc. have opened the door to a revolution in the field of functional devices, making them one of the most studied materials due to their unique intrinsic optical, electrical, mechanical, photoelectric, and chemical/physical sensing features. Several design approaches including microstructural control, doping, composite structures etc., have attracted the attention of scientists in synthesizing functional materials in many fields of application with improved functionality. This Special Issue on “Synthesis, characterization, and application of functional materials” will attempt to cover the most recent advances in process-dependent properties of functional materials, concerning not only correlations between synthesis and characterization but also process design strategy for their enhanced functional and smart properties to be applied in various scientific fields. This Special Issue welcomes contributions from all researchers working on the synthesis of functional materials and on design strategy for their enhanced characterization and properties.

---

### Guest Editor

Prof. Dr. Yuan-Chang Liang

Department of Optoelectronics and Materials Technology, National Taiwan Ocean University, Keelung 20224, Taiwan

---

### Deadline for manuscript submissions

closed (15 October 2021)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 5.7



[mdpi.com/si/62949](https://mdpi.com/si/62949)

*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 3.4  
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*. *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))