



an Open Access Journal by MDPI

## Advances in Manufacturing Technology of Metal/Composite Hybrid Structures

Guest Editor:

**Prof. Dr. Dae-Cheol Ko**

Department of  
Nanomechatronics Engineering,  
Pusan National University, Pusan  
46241, Republic of Korea

Deadline for manuscript  
submissions:  
**closed (10 March 2023)**

### Message from the Guest Editor

Dear Colleagues,

Advanced engineering composites have increasingly been manufactured and joined with different metals, such as advanced high-strength steel, aluminum, magnesium, and titanium, to be hybrid structures which can increase the weight-to-strength structural performance of transportation components and decrease the fuel consumption and gas emission of transportation systems.

Therefore, advanced manufacturing technologies are required to produce such metal/composite hybrid structures. This Special Issue aims to provide a platform for discussion of open issues and challenges related to various manufacturing strategies employable in metal/composite hybrid structures.

Potential topics include but are not limited to:

- Design and analysis of metal/composite hybrid structures;
- Advanced manufacturing technologies of metal/composite hybrid structures using autoclave, RTM, injection molding, PCM, etc.;
- Novel manufacturing technologies for metal/composite hybrid structures;
- Additive manufacturing for metal/composite hybrid structures;
- Advanced joining technologies for metal/composite hybrid structures.



[mdpi.com/si/70942](https://mdpi.com/si/70942)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

## 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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:** JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)