



*materials*



an Open Access Journal by MDPI

## Application of Carbon Filled Nanocomposites

Guest Editor:

**Prof. Dr. Fawad Inam**

Department of Engineering & Construction, School of Architecture, Computing and Engineering, University of East London, London E16 2RD, United Kingdom

Deadline for manuscript submissions:

**closed (15 July 2021)**

### Message from the Guest Editor

Materials could impart significant advantages or disadvantages to any system, process or product. This Special Edition is about how carbon, in particular its super forms, such as fullerenes (carbon nanotubes, graphene, carbyne etc.), can influence and improve the performance of its base material. You are welcome to submit cutting-edge research work on the preparation, processing, development, and application of carbon-based composites. This open access issue intends to cover the radical step-change in the capabilities and application of carbon materials in an engineering context with a clear focus on materials science and performance engineering. Original articles and reviews are welcome. However, research article, which include practical experimental results and critical theory are particularly encouraged, as are papers which set advanced molecular engineering in the wider context of, for example, society, economics, energy, and environment.



[mdpi.com/si/59790](https://mdpi.com/si/59790)

# 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 - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

Materials Editorial Office  
MDPI, St. Alban-Anlage 66  
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)