



Applications of Advanced Structured Materials

Guest Editor:

Dr. Marta Harničárová

1. Faculty of Technology,
Institute of Technology and
Business in České Budějovice,
370 01 České Budějovice, Czech
Republic
2. Faculty of Engineering, Slovak
University of Agriculture, 949 76
Nitra, Slovakia

Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editor

The aim of this special issue is to gain new, unique knowledge about the relationships between structure and physico-mechanical and chemical properties, including finding ways to control the structure and function of homogeneous and heterogeneous materials at individual dimensional levels of structure and thus achieve the desired technical and functional properties.

The current and emerging applications of the following advanced structured materials are welcomed:

- Advanced Composites Materials
- Ceramics Matrix Composites
- Polymer Matrix Composites (Thermosets, Thermoplastics)
- Metal Matrix Composites
- Cellular Materials
- Nanocomposite Materials
- Nanoporous Metals
- Nanomaterials
- Biomaterials
- Textile Advanced Materials
- Smart Materials





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/AtApplsci)