



*materials*



an Open Access Journal by MDPI

## Design and Applications of Functional Materials

Guest Editors:

### **Dr. Evgeny Parfenov**

Vice rector (CDTO), Ufa State  
Aviation Technical University, 12  
Karl Marx Street, 450008 Ufa,  
Russia

### **Dr. Elena Korznikova**

Head of Department of Metals  
and Alloys at Extreme Impacts,  
Ufa University of Science and  
Technology, 32 Zaki Validi Street,  
450000 Ufa, Russia

Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### **Message from the Guest Editors**

The aim of this Special Issue is to collect a coherent set of papers presenting recent advances in the field of design and application of new functional materials that deepen the understanding of the topic, empirically and theoretically providing the opportunity for revealing new and developing existing trends in the field. The issue is supported by Eurasian Center of Excellence, which was open in 2020 in Ufa (Russia) by Ministry of Science and Higher Education of the Russian Federation. The mission of the Eurasian CoE is to consolidate the efforts of the best academic and technological researchers and entrepreneurs in the larger Eurasian space. One of the main focuses for the Eurasian CoE is design and applications of functional materials which are demanded in all four topical areas of the CoE: Advanced manufacturing technologies and engineering, Biomedicine and genetics, Digital and green chemistry, New environment for life. We believe that publication of this Special Issue summarizing the recent achievements in the field of functional materials within the cooperation network of the Eurasian CoE will promote the transfer of technologies into the global industry.



[mdpi.com/si/96294](https://mdpi.com/si/96294)

# 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 and Metallurgical Engineering) / CiteScore - Q1 (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)