Message from the Guest Editor

Dear Colleagues,

In the last decades the hydrothermal technology has regained a lot of interest in the scientific community in several application fields, of which the synthesis of advanced materials has played a prominent role. In fact, the hydrothermal treatment has enabled the materials scientists to synthesize fine and ultra-fine particles with a controlled size and morphology, and consequently with desired properties. Consequently, a lot of research works have been published in recent years concerning the hydrothermal synthesis of simple oxides, mixed oxides, perovskites, garnets, vanadates, bioceramics, etc. Then, a further push has arrived through the use of microwaves for enhancing the hydrothermal kinetics.

This special issue aims to cover an overview of the application of the hydrothermal technology, both conventional and microwave-assisted, in the synthesis of advanced functional materials. To this end, it is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.
Editor-in-Chief

Prof. Dr. Maryam Tabrizian
Professor of Biomedical Engineering, Professor of Bioengineering, Professor of Experimental Surgery, Associate Dean—Research and Graduate Studies, Department of Biomedical Engineering, Faculty of Medicine/Faculty of Dentistry, Duff Medical Science Building, Room 313, 3775 University Street, Montreal, QC, H3A 2B4, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers fourteen comprehensive topics: Biomaterials; Energy Materials; Composites; Structure Analysis; Porous Materials; Manufacturing Processes; Advanced Nanomaterials; Smart Materials; Thin Films; Catalytic Materials; Carbon Materials; Materials Chemistry; Materials Physics; Optics and Photonics; Corrosion; Building Materials. The distinguished and dedicated editorial board and our strict peer-review process ensure the highest degree of scientific rigor and review of all published articles.

Materials provides an 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 by the Science Citation Index Expanded (Web of Science), Ei Compendex and other databases. Citations available in PubMed, full-text archived in PubMed Central.

CiteScore (2018 Scopus data): 3.26, which equals rank 97/439 (Q1) in 'General Materials Science'.

Contact Us

Materials
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland
Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com
materials@mdpi.com
@Materials_Mdpi