Message from the Guest Editors

Magnetic nanoparticles, that we can define as particles responsive to external magnetic fields, are among the most used materials in biomedicine. In nanomedicine, their use is expanding from biosensing to treatment and diagnosis, involving many aspects of the clinical routine. This Special Issue is devoted to any biomedical applications where the use of magnetic nanoparticles is key, as well as to their synthesis, characterisation, and bioconjugation. Potential topics include but are not limited to the following:

- Magnetic nanoparticles as MRI probes (T1 and/or T2)
- Magnetic nanoparticles as in vitro sensors
- Hyperthermia
- Magnetic particle imaging
- Magnetic nanoparticles in nuclear imaging techniques
- New synthetic methods
- Bioconjugation of magnetic nanoparticles for bioimaging
- Protein corona and magnetic nanoparticles

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.

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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

mdpi.com/journal/materials
materials@mdpi.com
@Materials_Mdpi