



Advances in Biomaterials 2011

Guest Editor:

Dr. François Berthod

LOEX, Université Laval, centre de
recherche du CHA, 1401 18e rue,
Québec G1J 1Z4, Canada

francois.berthod@
fmed.ulaval.ca

Deadline for manuscript
submissions:

closed (30 April 2011)

Message from the Guest Editor

Dear Colleagues,

The design of innovative biomaterials has led to outstanding success in clinical applications over the past decades, such as in orthopedics or cardiovascular surgery. This rapidly evolving field is developing the next generation of biomaterials based on new compounds, processing technologies, three-dimensional architectures or self-adaptive materials to design scaffolds with improved biological integration and function. Nanostructured surfaces, optimized interactions with stem cells or long-term drug delivery are some of these various innovations that will greatly benefit to their development.

This special issue of Materials will combine the expertise of engineers, chemists, biologists, and clinicians to present some of the most promising innovations in the development of the next generation of biomaterials in a wide variety of biological and clinical applications.

Dr. François Berthod

Guest Editor





an Open Access Journal by MDPI

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 eleven comprehensive topics: biomaterials, energy materials, advanced composites, structure analysis and characterization, porous materials, manufacturing processes and systems, advanced nanomaterials, smart materials, thin films, catalytic materials and carbon 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. For more information on the journal's Impact Factor, see here. Citations to become available in PubMed soon, full-text archived in PubMed Central.

Rapid publication: manuscripts are peer-reviewed; a first decision is provided to authors approximately 15 days after submission; acceptance to publication undertaken in 5.38 days (median values for papers published in the first six months of 2018).

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