Special Issue

Multifunctional Materials in Tissue Regeneration

Message from the Guest Editors

Tissue regeneration is an attractive approach to restore and replace diseased or defective tissues for organs rehabilitation. It involves the use of proper scaffolds mimicking the extracellular matrix and able to support pivotal regenerative steps such cells signalling, recruitment, adhesion, proliferation and specific function. Accordingly, Scaffolds, signalling and cells are the magic Triad for regeneration.

The scope of this Special Issue, entitled “The Multifunctional Materials in Tissue Regeneration” is to provide the state-of-the-art of the research on the properties, the production, the characterization and the applications of biomaterials with contextual different properties addressed to optimize and monitor tissues regeneration.

This Special Issue aims at collecting experimental or theoretical review articles and leading-edge research papers dealing with biomaterials, stem cells biology, microbiology, in-vitro modeling for regenerative medicine applications

Guest Editors

Dr. Lia Rimondini

Department of Health Sciences, University of Piemonte Orientale “UPO”, Vercelli, Italy

Dr. Andrea Cochis

Department of Health Sciences, Università del Piemonte Orientale, Alessandria-Novara- Vervelli, Italy

Deadline for manuscript submissions

closed (30 December 2019)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/17127

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

About the Journal

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.

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

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)