

Special Issue

Polymer-based Instructive Scaffolds for Regenerative Medicine

Message from the Guest Editors

Besides the bare physical support, scaffold materials and architectures can now be designed to provide specific cues for directing cell fate and guide tissue regeneration. Polymers containing specific adhesion sequences, micro- and nano patterning, and hydrogels loaded with biologically active molecules are all common strategies along this track. In this scenario, this Special Issue focuses on advanced materials, fabrication and modification techniques enabling the preparation of sophisticated scaffolds capable to promote optimal regenerative responses from cells and enhance the regeneration processes to, ultimately, support clinical translation of innovative approaches. We kindly invite you to submit a manuscript(s) for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editors

Prof. Dr. Silvia Farè

Industrial Bioengineering, Department of Chemistry, Materials and Chemical Engineering "Giulio Natta", Politecnico di Milano, 20131 Milan, Italy

Dr. Lorenza Draghi

Politecnico di Milano, Department of Chemistry, Materials and Chemical Engineering "G. Natta", Piazza Leonardo da Vinci 32, 20133 Milan, Italy

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

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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

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