Special Issue

Smart Hydrogels for (Bio)printing Applications

Message from the Guest Editors

Hydrogels represent a paramount biomaterial class. As they retain large amounts of water, they are potential key candidates as extra-cellular matrix mimics, with the final aim to enhance the quality of human life. Hydrogels have been investigated for a long time and encompass synthetic polymers, biopolymers or combinations of both as building blocks. In recent years, hydrogels have successfully been taken to the next level, as various 3D (bio)printing technologies have emerged with or without embedded cells. In the current Special Issue of *Materials*, we offer a platform for the above-described ground breaking science. We hope that the issue will bring new insights to the scientific community in an ever-expanding research field. Peter DubruelSandra Van Vlierberghe

Guest Editors

Prof. Dr. Peter Dubruel

Polymer Chemistry & Biomaterials Research Group, Ghent University, Krijgslaan 281 S4 Bis, 9000 Ghent, Belgium

Prof. Dr. Sandra Van Vlierberghe

Polymer Chemistry & Biomaterials Research Group, Centre of Macromolecular Chemistry, Ghent University, Krijgslaan 281, S4 Bis, 9000 Ghent, Belgium

Deadline for manuscript submissions

closed (31 July 2016)

Materials

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 5.8
Indexed in PubMed

mdpi.com/si/5930

Materials
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 3.1
CiteScore 5.8
Indexed in PubMed

mdpi.com/journal/materials

MDPI

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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (Condensed Matter Physics)