materials

an Open Access Journal by MDPI

IMPACT FACTOR 3.623

Covered in: PubMed

Advanced Platforms for Stem Cells Applications

Guest Editors:

Dr. Guya Diletta Marconi
Department of Medical, Oral and Biotechnological Sciences, University "G. d'Annunzio" Chieti-Pescara, 66100 Chieti, Italy

guya.marconi@unich.it

Dr. Francesca Diomede
Department of Medical, Oral and Biotechnological Sciences, University "G. d'Annunzio", Chieti-Pescara, Chieti, Italy

francesca.diomede@unich.it

Dr. Jacopo Pizzicanella
"Ss. Annunziata" Hospital, ASL 02 Lancino-Vasto-Chieti, Chieti, Italy

Jacopo.pizzicannella@unich.it

Deadline for manuscript submissions:
10 November 2022

Message from the Guest Editors

The current Special Issue considers the use of advanced bioengineered in vitro models, such as microfluidics, organ-on-a-chip (OoCs), scaffolds, bioprinting, and organoids in stem cell research. The integration of MSCs into novel in vitro platforms may contribute enormously to clinical and fundamental research.

The integration of MSCs into novel in vitro technologies, such as microfluidics/OoCs, scaffolds, bioprinting, and organoids, can reproduce highly precise and in-vivo-relevant model systems for unlimited research applications, including fundamental studies, drug delivery, and disease models.

We invite authors to contribute with original research articles, reviews, and opinion letters focused on the use of novel technologies, such as microfluidics, organ-on-a-chip (OoCs), scaffolds, bioprinting, and organoids for stem cell applications.

materials

IMPACT FACTOR 3.623

Covered in: PubMed

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
James McGill Professor, Professor of Biomedical Engineering, Professor of Bioengineering, Professor of Experimental Surgery, Department of Biomedical Engineering, Faculty of Medicine/Faculty of Dentistry, Duff Medical Science Building, 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 twenty comprehensive topics: biomaterials, energy materials, advanced composites, structure analysis and characterization, porous materials, manufacturing processes and systems, advanced nanomaterials, smart materials, thin films and interfaces, catalytic materials and carbon materials, materials chemistry, materials physics, optics and photonics, corrosion and materials degradation, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics, metals and alloys, general. 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 a 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 within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and many other databases.
Journal Rank: JCR - Q1 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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