materials

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

Indexed in: PubMed

CITESCORE 6.4

Smart Nanomaterials: Molecular Design for Advanced Medicine

Guest Editors:

Dr. Giuseppina Luciani
Department of Chemical, Materials and Production Engineering (DICMaPI), University of Naples Federico II, p. le V. Tecchio 80, 80125 Naples, Italy

Prof. Dr. Brigida Silvestri
Department of Chemical, Materials and Production Engineering (DICMaPI) University of Naples Federico II Piazzale Tecchio, 80 80125 Napoli, Italy

Deadline for manuscript submissions:
closed (10 June 2022)

Message from the Guest Editors

The marriage between nanotechnology and biomaterials science promises to revolutionize medical practice. Actually, nanomaterials, featuring superior size-tunable properties, high intrinsic reactivity, and sizes comparable with those of functional moieties in biology can establish strong interactions with biological systems, thus triggering key biological events and ultimately driving cells fate. Materials design at the nanoscale allows fine tuning of their physical-chemical properties, providing unique tools for scientists to unveil biochemical pathways and set up more personalized treatment with enhanced therapeutic efficacy.

This Special Issue aims to collect theoretical, experimental, and review contributions to show the most recent advances in nanomaterials in medicine as well as the challenges and opportunities provided by the materials design at the nanoscale in the field of biomedical devices.

For more information, please click the following link:
https://www.mdpi.com/journal/materials/special_issues/smart_nano_molecular_design

Prof. Dr. Giuseppina Luciani
Prof. Dr. Brigida Silvestri
Guest Editors

materials

IMPACT FACTOR 3.2 | Indexed in: PubMed | CITESCORE 6.4

an Open Access Journal by MDPI

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

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.

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)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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