Special Issue

Advanced Functional Nanomaterials for Biomedical Application

Message from the Guest Editors

In recent years, with the application of nanotechnology, significant progress has been made in the field of biomaterials. Nanomaterials have unique physicochemical properties at the nanoscale and have revolutionized the design and development of biomaterials for a variety of biomedical applications. This Special Issue reviews the research progress with respect to functional nanomaterials and their applications in biomaterial research. Functional nanomaterials are engineered materials with specific properties that are suitable for a range of applications in biomedicine. The small size and large surface area of nanomaterials allow for enhanced interactions with biological systems, making them promising candidates for improving the properties and efficacy of biomaterials. They have the advantages of enhanced drug delivery, improved tissue engineering, and highly sensitive biosensing capabilities.

Guest Editors

Dr. Zeyan Zhou

Prof. Dr. Haisong Liu

Prof. Dr. Yingbo Wang

Dr. Jianhua Zhang

Deadline for manuscript submissions

closed (20 February 2025)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/183152

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

mdpi.com/journal/materials

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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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