Special Issue

Micro/Nano Materials, Devices, and Systems for Biomedical Applications

Message from the Guest Editors

We are pleased to present a Special Issue of *Materials* (MDPI) entitled “Micro/Nano Materials, Devices, and Systems for Biomedical Applications”, in which we are seeking original and seminal contributions on biomedical sensors and systems, such as on implantable wireless microsystems, nanotechnologies for chemical/biological analysis and bioenergy harvesting, wearable healthcare systems, and point-of-care diagnostic devices based on innovative approaches of micro/nano fabrication. The integrated, novel designs of devices and systems using micro-/nanotechnology will enable to discovery of new solutions for engineering and scientific challenges in bioscience and bioengineering. Micro-/nanoresolution platforms associated with fabrication techniques will enhance interfacing and understanding of the scientific and engineering challenges of various biological approaches, with ease of manipulation and monitoring with high sensitivity and specificity. Review and research articles on the highlighted research topics are welcome for submission to this Special Issue, with the overall aim of relating the key issues of basic or applied research in biotechnological applications.

Guest Editors

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Deadline for manuscript submissions

closed (20 July 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/71937

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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.

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