

Special Issue

Micro and Nanotechnologies in Biomedicines

Message from the Guest Editor

In this Special Issue, we will select a set of contributions that illustrate the use of micro- and nano-technologies in diagnostic, preventive, and therapeutic scenarios. Some of the topics that clearly fit into this scope are as follows:

- The development of point-of-care systems based on micro- and nano-technologies
- Micro- and nano-sensing strategies for medical applications
- Development and characterization of micro- and nano-structured materials for biomedical applications
- Wearable technologies for the continuous assessment of health conditions
- Microfluidics tools to diagnose or model diseases
- Micro- and nano-fabrication strategies to develop micro-tissues (including 3D bioprinting)
- Organ-on-chip applications (with or without a nanotechnology component)
- Micro- and nano-technologies for drug development
- Nanovaccine technology
- Synthesis and evaluation of nanoparticles for biomedical applications

It is my pleasure to invite you to submit your manuscript for this Special Issue. Full papers, communications, and reviews are all very welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2020)



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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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