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Microfluidic Synthesis of Nanomaterials

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Deadline for manuscript submissions:

closed (28 February 2020)

Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to consider the current technological implementations of the microfluidic approach on the synthesis of different types of nanomaterials, organic- and inorganic-based materials, including metallic and silica nanoparticles and quantum dots. Well-known recent publications clearly demonstrate the potential of microfluidic reactor technology in nanomaterial synthesis for applications in a broad range of fields, such as catalysis, biomedical and biotechnology, electronics, and the environment. This Special Issue will provide up-to-date information and analyses on the microfluidic synthesis of different types of nanomaterial (nanoparticles, nanowires, nanotubes, etc.), also comparing the efficiency of microfluidic reactor processes with conventional batch processes. Our Special Issue welcomes all submissions focused on the status, trends, and future perspectives of this new technology, especially in the field of nanobiotechnologies.

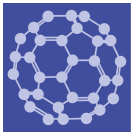
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Guest Editor



mdpi.com/si/15289

Special Issue



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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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