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The Application of Microwave-Assisted Technology in Nanomaterials

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Message from the Guest Editor

The present Special Issue is a continuation of a previous successful Special Issue entitled “Microwave Technology and Nanomaterials: Synthesis and Application”. Our aim is to attract and report a rich variety of recent research findings on the overlapping areas of microwaves and nanomaterials.

This Special Issue is open to any nanomaterial prepared using microwave in any synthetic steps. Materials can be 2D nanomaterials, nanoparticles, etc. Reports of applications of nanomaterials prepared following microwave assisted are welcome. Additionally, the preparation of devices containing nanomaterials designed to interact with microwaves is aligned with the topic.

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Editor-in-Chief

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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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