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Metallic Oxide Nanostructures

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2021)

Message from the Guest Editor

Metal oxide nanomaterials have attracted a lot of interest due to their outstanding chemical, physical, and electronic properties compared with those of their bulk counterparts. Metal oxide nanomaterials are versatile materials that can be tuned for potential applications into functional devices in different areas.

The aim of this Special Issue is to collect high-quality contributions on the synthesis and modification of Metallic Oxide Nanostructures. It will deal with the design of new nanostructures by tuning their morphology, geometry, crystallinity, and interfaces. The relation between these parameters and the physical-chemical properties will also be investigated. New applications in different fields such as health, environment, and renewable energy will be as well explored.

Relevant contributions related to prospective materials design, original materials properties, and innovative characterization techniques will also be considered.

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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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