

Special Issue

Advances in Metal Oxide Nanoparticles

Message from the Guest Editor

Metal oxide nanoparticles can exhibit unique physicochemical properties. A large variety of metal oxide nanoparticles can be encountered, including nanograins, nanowires, nanotubes, and nanoporous particles. At present, research on novel metal oxide nanoparticles is active and multidisciplinary, as it involves chemistry for the development of the nanoparticles, physics for the study and optimization of their properties, and even biology in the case of biomedical applications (e.g., nanovectorization, multimodal imaging, and antibacterial properties). This Special Issue will focus on all aspects of the application of metal oxide nanoparticles in emerging fields, such as biosensors, energy storage and conversion, photocatalysis, optoelectronics, and biomedicine.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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