

## Special Issue

# Metal Oxide Nanomaterials: Synthesis, Structures and Optical Properties

### Message from the Guest Editor

This Special Issue is focused on cutting-research relating to the synthesis, properties and applications of metal oxide nanomaterials. Nanomaterials based on metal oxides represent an important class of materials with many applications such as catalysts in pollutant photodegradation, active compounds in solar cells, highly sensitive chemical and biological sensors, vectors for controlled drug delivery, etc. Integrating these nanomaterials in hybrid systems or smart devices is of great importance in fields such as nanomedicine, green technologies, and optical communications. Potential topics include, but are not limited to, the following: synthesis procedures, metal doping, optical and electric properties, photocatalysis, band-gap engineering, defect characterization and engineering, nanomaterials for sensors and biosensors, and antibacterial nanomaterial platform.

### Guest Editor

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### Deadline for manuscript submissions

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## Molecules

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### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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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