Special Issue

Synthesis, Characterization and Applications of Metal Oxide Nanomaterials (MONs)

Message from the Guest Editors

Metal oxide nanomaterials have gained significant attention in the last decade due to their extraordinary electric, optical, magnetic and catalytic properties and biological effects. Different synthesis methods, such as hydrothermal reaction, sol-gel process, co-precipitation, electrospinning and green synthesis, need to be optimized to enable broad applications. This themed Special Issue aims to promote the most recent contributions related to advanced synthesis and characterization methods of metal oxide nanomaterials for use in diverse applications such as waste water treatment, catalysis, gas sensing and biosensing, the food industry, wound healing and tissue engineering. Contributions concerning the replacement of toxic chemical compounds used in synthesis with green alternatives are also welcome. **Keywords**

- nanostructured materials
- green synthesis
- electrospinning
- characterization methods
- food packaging
- photocatalysis
- sensors and biosensors

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