

# 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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### Guest Editors

Dr. Jelena D. Vujančević

Jožef Stefan Institute, Ljubljana, Slovenia

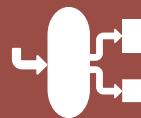
Dr. Zorka Z. Vasiljević

Institute for Multidisciplinary Research, University of Belgrade, 11030 Belgrade, Serbia

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### Deadline for manuscript submissions

closed (30 August 2024)



## Processes

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
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### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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