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New Insights into Metal/Metal Oxide Nanoparticles and Nanocomposites: Synthesis, Properties and Applications

Guest Editors:

Dr. Viorica Railean-Plugaru

1. Department of Public Health Protection and Animal Welfare, Faculty of Biological and Veterinary Sciences, Nicolaus Copernicus University in Torun, Gagarina 7, 87-100 Toruń, Poland
2. Centre for Modern Interdisciplinary Technologies, Nicolaus Copernicus University in Torun, Wileńska 4, 87-100 Torun, Poland

Dr. Anna Król-Górniak

Centre for Modern Interdisciplinary Technologies, Nicolaus Copernicus University in Torun, 4 Wileńska Str., 87-100 Torun, Poland

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Message from the Guest Editors

Dear Colleagues,

Metal and metal oxide nanoparticles have attracted interest over time. Their unique properties means they have broad applications: from sensors and electronic devices to antimicrobial agents, cytotoxicity or drug delivery. Moreover, increased attention has been paid to nanoparticles and nanocomposites in the last few decades; hybrid systems (e.g., coated and functionalized materials and metal–protein systems) have been studied much more. In fact, the increasing prevalence of ecological problems, the issue of drug resistance and the apparent limitations in the application of nanomaterials have encouraged researchers to find new solutions, new insights and new approaches.

Therefore, the current Special Issue covers interdisciplinary approaches related to “Metal/Metal Oxide Nanoparticles and Nanocomposites; Synthesis, Properties and Applications”. Practical work covering recent scientific challenges/strategies in the field as well as review papers addressing recent and newest progress are welcome.



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Special Issue



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Editors-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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