Special Issue

Advances in Nanostructured Materials

Message from the Guest Editors

This Special Issue is devoted to recent advances in nanostructure studies and applications that have been developed in various fields of science and industry. Nanomaterials are already used in electronics, medicine, biology, sensors, catalysis, and spectroscopy. They are used in the form of nanocrystals, nanoceramics, glasses, colloids, composites, or thin films. These materials, due to the extraordinary properties obtained at the nanoscale, show unusual physical properties—different from those at the macroscale. Many of us study the chemical, biological, and physical properties of these nanomaterials. We see their unusual spectroscopic, magnetic, antimicrobial, or chemical properties. We try to understand the interaction between the size, morphology, and surface of nanomaterials with their properties. We try to modulate them to be able to use these materials in various applications. Thanks to this, nanotechnology is still a field undergoing intensive development in which you are an expert. Therefore, for the upcoming issue, I would like to ask you to present your latest studies on different types of nanostructures and their applications.

Guest Editors

Dr. Paweł Głuchowski

Institute of Low Temperature and Structure Research, Polish Academy of Sciences, PL-50422 Wroclaw, Poland

Dr. Robert Tomala

Institute of Low Temperature and Structure Research Polish Academy of Sciences, PL-50422 Wroclaw, Poland

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-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

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