Special Issue

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

Message from the Guest Editors

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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Deadline for manuscript submissions

closed (20 April 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
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mdpi.com/si/140103

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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.

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