

Special Issue

Nanomaterials for the Environmental Remediation of Water and Soil

Message from the Guest Editors

Dear Colleagues

Nanomaterials in the form of catalysts, chemical oxidants, and adsorbents guarantee the rapid detection and consequent detoxification of various contaminants such as pharmaceuticals, pesticides, drugs, aromatic heterocycles, volatile organic compounds, heavy metals, and inorganic ions from water, air, and contaminated land sites. This proposed Special Issue will focus on prospects and challenges in nanoremediation and environmental clean-ups. This Special Issue welcomes contributions from all researchers working on the possibility to use waste-derived precursors for preparing nanomaterials for environmental remediation of water and soil.

Some topics of interest covered by this Special Issue include but are not limited to:

Sustainability in agro-based bioeconomy;
Green technology and natural resources;
Fabrication of nanoparticles and nanobiocomposites;
Carbon nanoparticles;
Industrial, electric/electronic, and plastic waste for environmental clean-ups;
Groundwater remediation and desalination for drinking and reuse;
Decontamination of mining or wastes sites.

Guest Editors

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Deadline for manuscript submissions

closed (10 July 2023)



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About the Journal

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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