

Special Issue

Nanomaterials for Environmental Pollutant Remediation and Circular Economy

Message from the Guest Editors

The Special Issue seeks submissions that address the diverse applications of cost-effective nanomaterials for environmental remediation and sustainable development. Environmental pollution is a global threat. Environmental deterioration and the depletion of natural resources demand the exploration of new opportunities for sustainable management options. Nanomaterials have played an active role in efficient resource utilization/management through advanced wastewater treatment, waste management, renewable energy and pollutant remediation to strengthen the concept of a global circular economy and sustainable society. This Special Issue aims to cover the broad applications of cost-effective and environmentally friendly nanomaterials ranging from photocatalysis, electrocatalysis, adsorption, soil remediation, water treatment, renewable and bioenergy generation, to the recovery and reuse of natural resources. We welcome review articles and original papers on these aspects, with an emphasis on sustainable development.

Guest Editors

Prof. Dr. Gang Pan

Dr. Lei Wang

Dr. Jafar Ali

Deadline for manuscript submissions

closed (26 June 2023)



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

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano–alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

School of Geography, Earth and Environmental Science, University of
Birmingham, Birmingham B15 2TT, UK

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