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Advanced Nanocomposite Materials for Water and Wastewater Treatment

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Message from the Guest Editors

Nowadays, access to safe drinking water is one of the greatest challenges and future of humanity. The World Health Organization (WHO) considers that 80% of diseases that affect the population world are directly linked to water. Population growth leads to an increase in water needs. Advanced nanocomposite materials are currently the most widely used materials in these types of processes; these nanostructures materials are effective for photocatalytic degradation of dyes, color removal, adsorption of heavy metals, organic and inorganic wastes and membranes for wastewater purification. These materials are cost-effective, easy to handle and highly stable materials. In this special issue, we are pleased to invite you to submit a novel research on advanced nanocomposite materials. Priority will be given to new materials preparation and novel wastewater treatment process including the toxicity's degree of the target pollutants. In this current special issue, review and original articles are welcome.

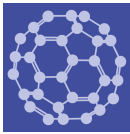
Deadline for manuscript submissions:

closed (31 December 2022)



mdpi.com/si/117315

Special Issue



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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.

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