

Special Issue

Nanostructured Materials for the Assay of Organic/Inorganic Water Pollutants

Message from the Guest Editors

As the human population grows and living standards improve, so does the need for fresh water. The water contamination is a major worldwide issue which requires continuous assessment and amendment of water resource policy at all levels. Thorough and strict water quality monitoring is essential part tailored to avoid the detrimental ecological impacts and custom-made composites or hybrid nanomaterials with target-specific characteristics are trustworthy and stable choices for environmental mitigation. The aim of this Special Issue is to broaden the knowledge on water pollution, giving an insight on the sensitive detection and quantification tools for trace levels of water matrix contaminants, as well as on nanomaterials specifically designed for organic/inorganic pollutants assay. We invite authors to submit both original research, and review articles based on nanostructured materials applicability for the analysis of water samples; classic procedures recognized as safety control techniques; development and validation of new protocols and alternative methods that consist either of the involvement of innovative experimental setups or advanced data processing tools.

Guest Editors

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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

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