Special Issue

Bio-Nanocomposites for the Removal of Emerging Pollutants from Wastewater

Message from the Guest Editor

Biomass-based composite materials have recently attracted great attention in a variety of applications due to their abundant availability and inherent properties. Further, biomass-based composite materials have a low environmental impact. Different kinds of biomass have been investigated for the development of bio-composites. Further, the incorporation of nanomaterials with biomass-derived materials enhances the efficiency of bio-based composites. Bio-nanocomposites can be utilized as catalysts, adsorbents, and electrode/membrane material for the removal of emerging pollutants. However, there are many challenges associated with the selective removal of emerging pollutants and the environmental sustainability of bio-nanocomposites. Hence, there is a need for the development of efficient bio-based nanocomposites for the abatement of emerging pollutants... For further reading, please follow the link to the Special Issue website at: https://www.mdpi.com/si/74009.

Guest Editor

Dr. Varsha Srivastava

Research Unit of Sustainable Chemistry, Faculty of Technology, University of Oulu, P.O. Box 4300, FI-90014 Oulu, Finland

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

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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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