Special Issue

Environmental Implications of Nanomaterials: Concerns and Opportunities

Message from the Guest Editor

Nanotechnology has emerged as a highly promising technology to deal with mounting challenges restricting food security. This emerging technology has demonstrated advantages over conventional agricultural approaches and possesses important properties that lead to lower inputs, enhanced efficiency, and reduced ecotoxicity. A key barrier for the implementation of nanotechnology is the limited understanding of the potential pollution risks arising from the utilization of nanomaterials in agriculture. Thus, as with all new technologies, risks must be evaluated in parallel with the benefits. Aiming to tackle this knowledge barrier and move the field of nanoenabled agriculture forward, we invite submissions of novel and original papers and reviews to this SI. More information please see the link.

Guest Editor

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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