Special Issue

The Impact of Nanomaterials on the Environment

Message from the Guest Editor

The study of nanomaterials is currently one of the highest priority research fields across the globe, as a result of its immense potentiality and economic impact. Nanomaterials are widely used in the fields of science, technology, healthcare, industry, and agriculture. The unique characteristics of nanoparticles enable them to provide environmental solutions that reduce the formation and emission of pollutants. However, due to uncertainties and irregularities in shape, size, and chemical composition, the presence of certain nanomaterials may exert adverse impacts on the environment, as well as human health, during the manufacturing process when nanomaterials are released. A core understanding of the factors affecting the accumulation, aggregation, deposition, translocation, and distribution of nanomaterials (natural or engineered) in our ecosystem is essential. This Special Issue aims to highlight recent progress and new developments in the identification of the environmental effects of nanomaterials.

Guest Editor

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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