Special Issue

Advanced Eco-Technology and Materials in Water Treatment

Message from the Guest Editors

One of the main challenges in the world is meeting the global water demand, which is constantly growing as a result of population growth, economic development, and changing consumption patterns. The water demand could be balanced by nature□based (green) solutions or eco-technologies with vital benefits and support for sustainable development. Additionally, the classical technologies implemented seem to be too old to successfully deal with new concerns, such as water pollution with emerging contaminants such as pharmaceutical residues, inorganics, and microplastics in the wastewater system. All these aspects could be solved using eco-technologies that involve the use of advanced materials with new and improved structures, design, and properties that contribute at a high efficiency of contaminant removal, lower energy consumption, low cost, and maintenance.
This Special Issue will provide new and cutting-edge knowledge on advanced eco-friendly materials based on biopolymers and metal oxides as supports for adsorption, ion exchange, photocatalysis, and other advanced water treatment techniques. Full papers, communications, and reviews are all welcome.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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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