Special Issue

Innovative Materials for Wastewater Treatment

Message from the Guest Editors

Owing to the complexity of pollutants in industrial and domestic wastewaters, there is a quest to revisit the conventional materials so far used for the removal of these pollutants from solutions. This Research Topic highlights the new research work on the development of visible light responsive photocatalytic hybrid nanomaterials using various approaches, such as metal and/or non-metal doping, co-doping, coupling of semiconductors, composites and heterojunctions materials synthesis and explored their application in wastewater treatment. Also highlighted here are the new research work on new approaches of synthesizing, characterizing, and modifying nanomaterials for removal of emerging contaminants from wastewater. Manuscripts on the structural aspects of hybrid nanocomposite Photocatalysts, nanostructure formation process, parameters affecting photocatalytic activity, photocatalytic mechanisms, and photocatalytic applications for the efficient degradation of pollutants in water/air are also welcome.

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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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