Special Issue

Photocatalysts for Water Treatment Applications

Message from the Guest Editors

Removal of pollutants from water is one of the most important topics of our time. Water pollution significantly restricts the access of certain sections of the human population to drinking water. Immediate water pollution problems exist especially in developing countries. Recently, new types of pollutants, such as hormones, drugs, and pesticides, have gained importance as water pollutants though their removal has not yet been satisfactorily addressed. Photocatalytic processes represent one of the most practical and attractive tools for the decontamination of waste water. The photocatalytic decomposition of pollutants is attractive due to its high degradation rates, high efficiency of mineralization and, in general, nontoxicity of final products. The structural arrangement of photoreactors allowing high quantum yields for the long-time operation at a minimum cost is a particular issue.

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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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