Special Issue

Advanced Materials and Photoreactors for Environmental Applications

Message from the Guest Editor

Many studies devoted to the photocatalytic activity of TiO2 suspensions have been published. Other materials have been used for pollutant degradation and/or microbial inactivation in water and air. During the last decade, attention has been drawn towards the design, synthesis, and intensification of active catalysts. This attention allows the enhancement of the photocatalytic processes. We invite authors to contribute original research articles and review articles that seek to address the mechanisms and significance of photocatalytic materials for environmental remediation. Particular interest will be given to papers exploring the combination of photocatalysis with other techniques (e.g., adsorption, Fenton, plasma, ozonation, and biological treatment). In particular, the topics of interest include but are not restrained to: Antimicrobial photocatalysts; Combined system for water/wastewater/ air treatment removal; Photocatalyst coatings; Mass transfer and photocatalytic reactor modelling; Photocatalysis for water/wastewater/ air treatment removal.

Guest Editor

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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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