

Special Issue

Photocatalysis for Wastewater Treatment

Message from the Guest Editors

In recent years, detection of an increasing number of xenobiotics at low concentrations (typically $\mu\text{g/L}$ or ng/L) in aquatic systems constitutes a major concern, as their effect on ecosystems or human health remains uncertain. Examples of those xenobiotics include pharmaceuticals, steroids, hormones, personal care products, antiseptics, surfactants, flame-retardants, industrial additives or gasoline additives, as well as their metabolites or degradation products. Catalytic methods may constitute a greener alternative to face degradation of these contaminants. The use of environmentally-friendly reagents and catalysts, together with solar energy as an abundant and renewable energy resource is the basis of photocatalysis. This combination of catalysis and light has deserved recently the attention of researchers as a highly appealing alternative for wastewater treatment and constitutes the topic of the present Special Issue.

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http://www.mdpi.com/journal/materials/special_issues/photocatalysis_water_treatment

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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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