Special Issue

Recent Applications of Photocatalysis for Wastewater Treatment

Message from the Guest Editor

Photocatalytic processes have demonstrated their potential for the removal of pollutants and disinfection of water, obtaining good results as pre- or post-treatment of traditional wastewater treatment plants. However, there still are several aspects that deserve the interest of researchers and see continuous development. Increasing photonic efficiency, synthesizing materials in the nanoscale, finding new niche applications, revalorizing wastes or designing new reactors can be highlighted, among others. The source of irradiation and the range of wavelength used are also a critical issue to be studied. The use of solar radiation has been studied during the last 20 years due to its economic and ecological convenience versus the use of lamps. Nevertheless, the revolution caused by LED technologies has also reinforced the interest of applying photocatalytic processes for water treatment, employing artificial irradiation. As can be seen, the field of photocatalysis for water treatment continues growing year by year, and we encourage all researchers working in this field to send us their manuscripts with their latest advances in this area.

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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