Photocatalysis for Wastewater Treatment

Guest Editors:

Prof. Dr. Miguel A. Miranda
Instituto de Tecnología Química,
Universitat Politècnica de València-Consejo Superior de Investigaciones Científicas,
Avenida de los Naranjos s/n,
46022 Valencia, Spain
mmiranda@qim.upv.es

Prof. Dr. M. Luisa Marin
Instituto de Tecnología Química,
Universitat Politècnica de València-Consejo Superior de Investigaciones Científicas,
Avenida de los Naranjos s/n,
46022 Valencia, Spain
marmarin@qim.upv.es

Deadline for manuscript submissions:
closed (15 March 2019)

Message from the Guest Editors

In recent years, detection of an increasing number of xenobiotics at low concentrations (typically μg/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.

Prof. Dr. Miguel A. Miranda
Prof. Dr. M. Luisa Marin
Guest Editors

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

mdpi.com/si/12464
Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers fourteen comprehensive topics: Biomaterials; Energy Materials; Composites; Structure Analysis; Porous Materials; Manufacturing Processes; Advanced Nanomaterials; Smart Materials; Thin Films; Catalytic Materials; Carbon Materials; Materials Chemistry; Materials Physics; Optics and Photonics; Corrosion; Building Materials. The distinguished and dedicated editorial board and our strict peer-review process ensure the highest degree of scientific rigor and review of all published articles.

Materials provides an unique opportunity to contribute high quality articles and to take advantage of its large readership.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility: indexed by the Science Citation Index Expanded (Web of Science), Ei Compendex and other databases. For more info on the journal’s Impact Factor, see here. Citations to become available in PubMed soon, full-text archived in PubMed Central.

Rapid publication: manuscripts are peer-reviewed; a first decision is provided to authors approximately 14.2 days after submission; acceptance to publication in 5 days (median values for papers published in materials in the second half of 2018).

Contact Us

Materials
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland
Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com
materials@mdpi.com
@Materials_Mdpi