

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

Dr. Aymen Amine Assadi

Laboratory "Sciences Chimiques de Rennes" – Team "Chimie et Ingénierie des Procédés", 11 allée de Beaulieu, CS 50837, 35708 Rennes, CEDEX 7, France

Deadline for manuscript submissions

closed (20 August 2023)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/97667

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

[mdpi.com/journal/
materials](https://mdpi.com/journal/materials)





Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



[mdpi.com/journal/
materials](https://mdpi.com/journal/materials)



About the Journal

Message from the Editorial Board

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.

Editors-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) /
CiteScore - Q1 (Condensed Matter Physics)