



Nanotechnologies for Environmental Remediation

Guest Editors:

Prof. Dr. Chin-Pao Huang

Prof. Dr. Ruey-An Doong

Prof. Dr. Cheng-Di Dong

Prof. Dr. Huijuan Liu

Prof. Dr. Bingcai Pan

Deadline for manuscript
submissions:

closed (30 March 2019)

Message from the Guest Editors

In order to achieve sustainability within the framework of environment and energy nexus, nanomaterials and nanotechnology will play the foremost role. The millennium agenda of global sustainability has arrived with excellent opportunities for the deployment and its ultimate implementation of nanotechnologies for environmental remediation. Nanomaterials require small amounts of raw materials, have unique and much enhanced surface reactivities and selectivities, and robust in-system design and operations.

The Special Issue welcomes manuscripts covering the following subjects: Processes and engineering applications of nanotechnologies for the treatment of impaired water, polluted air, contaminated soils and sediments; electrochemical processes applying nanocatalytic electrode materials; heterogeneous nanophotocatalysis; multiple-functional nanoadsorbents and nanocatalysts; photo-electrochemical processes; nanomembranes; environmental nanosensors; environmental implications; and impacts of nanomaterials.

Prof. Dr. Chin-pao (C. P.) Huang

Prof. Dr. Ruey-An Doong

Prof. Dr. Cheng-Di Dong

Prof. Dr. Huijuan Liu

Prof. Dr. Bingcai Pan

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)