



Advances in Bioremediation of Wastewaters and Contaminated Soils

Guest Editors:

Dr. Federica Spina

Department of Life Sciences and
Systems Biology, University of
Turin, Turin, Italy

Dr. Valeria Prigione

Mycotheca Universitatis
Taurinensis, Department of Life
Sciences and Systems Biology,
University of Torino, Turin, Italy

Deadline for manuscript
submissions:

closed (31 March 2020)

Message from the Guest Editors

The biotransformation of organic pollutants and the extraction of inorganic ones have been the target of several studies over the last decades. However, few have clarified the biological mechanisms, the capability of biocatalysts to resist the extreme environmental conditions they will be subjected to, the implementation to ongoing industrial processes, etc. This information may help the selection of the most proper organisms/enzymes and the most suitable technologies that would be scaled up. Moreover, it is mandatory to elucidate the fate of pollutants and transformation products in the aquatic and terrestrial ecosystem. Due to the limits of the chemical analysis, toxicological studies are a fruitful tool to describe the actual environmental risk and efficiency of any bioremediation approach.

The purpose of this Special Issue is therefore to disseminate the results of advanced bio-based approaches. Particular attention will be given to those studies that address civil and industrial effluents as well as anthropized sediments and soils.





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](#)