

Special Issue

Phytodegradation of Persistent Organic Pollutants (POPs) in Urban Settings

Message from the Guest Editor

Persistent organic pollutants (POPs) are typical pollutants in urban environments. Because of their toxicity and persistence, POP bio-migration and bioaccumulation pose a great potential risk to environmental quality and human health. Although the environmental behavior and degradation of POPs are well documented, the ability of various vegetation communities to biodegrade specific types of POPs is still unclear, and the mechanisms by which urban greening ecosystems regulate the bioremediation of POP-contaminated sites are not fully understood. In this Special Issue, we would like to invite you to contribute your research papers regarding applications for the plant-based biodegradation of POPs and bioremediation of POP-contaminated environments, including innovative approaches and techniques in the phytoextraction, phytotransformation, phytovolatilization, and plan-assisted microbial degradation of POPs in urban environments.

Guest Editor

Prof. Dr. Xiaoyong Chen

College of Arts and Sciences, Governors State University, University Park, IL 690484, USA

Deadline for manuscript submissions

closed (30 April 2021)



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Applied Sciences
MDPI, Grosspeteranlage 5
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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.

Editor-in-Chief

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

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