Special Issue

Microbially Mediated Fate of Emerging Environmental Contaminants

Message from the Guest Editor

Emerging contaminants are increasingly detected in the environment. These pollutants may be toxic, or have adverse unintended consequences for the wildlife and humans that are exposed to them. Therefore, their biodegradation or biotransformation by microorganisms is an important process for their removal. As the biochemical pathways involved in contaminant elimination are elucidated, metabolic and genetic biomarkers are identified and can be used to predict the potential fate of contaminants in specific environmental settings.This Special Issue aims to highlight research into the microbially mediated fate of emerging contaminants and the occurrence of biotransformation products in ecological niches including wastewater treatment and freshwater systems. Original research articles, short communications, and reviews are welcome. Research areas may include (but are not limited to) the following: biodegradation or biotransformation of organic contaminants in the environment or in wastewater treatment systems, identification of genetic and/or metabolic biomarkers of these processes, and application of these findings to determine the fate of emerging contaminants in the environment.

Guest Editor

Dr. Abigail W. Porter

Department of Environmental Sciences, School of Environmental and Biological Sciences, Rutgers, the State University of New Jersey, New Brunswick, NJ 08901, USA

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Toxics
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxics@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

Editor-in-Chief

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18, 08034 Barcelona, Spain

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