

Special Issue

Application of Microorganisms in Degradation of Environmental Pollutants

Message from the Guest Editors

We invite original research articles and comprehensive reviews exploring the isolation, characterization, and engineering of pollutant-degrading microbes and their consortia. Topics of interest include elucidating biodegradation pathways and mechanisms, optimizing bioaugmentation and biostimulation strategies, developing microbial biosensors, integrating microbial technologies with physicochemical methods, and applying advanced tools for discovery and monitoring. Studies addressing the degradation of emerging contaminants, overcoming bioavailability limitations, enhancing process efficiency under diverse environmental conditions (soil, water, wastewater, sediments), and assessing ecological impacts are particularly encouraged.

Guest Editors

Dr. Dandan Liang

State Key Laboratory of Urban Water Resource and Environment,
School of Environment, Harbin Institute of Technology, No. 73 Huanghe
Road, Nangang District, Harbin 150090, China

Dr. Chao Li

College of Environmental Sciences and Engineering, Peking University,
Beijing 100871, China



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Editorial Office

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).

