# Special Issue

# Microbially Driven Biodegradation and Biotransformation in Polluted Environmental Matrices

# Message from the Guest Editors

It was stated that the terms "biodegradation". "biotransformation", and "biocatalysis" all deal with the same thing; reactions that substantiate the microbial metabolism. Which term is properly used depends on the perspective by which individuals look at what is expected by the metabolic processes. The aim of this Special Issue of Microorganisms is to collect original contributions regarding the state of knowledge about the ability of specific microorganisms—whether they are archaea, bacteria or fungi-to cause the conversion, either aerobic or anaerobic, of important environmental pollutants to inorganic compounds or to end-products that are however not harmful to human health and ecosystems. Any advancement of knowledge in the field of microbial catalysis associated with the biodegradation/biotransformation of contaminants of ecological concern can actually found application in reliable protocols of bioremediation, namely the most cost-effective and acceptable technology for the detoxification of pollutant contaminated environmental matrices such as soils, sediments and groundwater.

### **Guest Editors**

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# Deadline for manuscript submissions

closed (15 October 2023)



# **Microorganisms**

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# **About the Journal**

# Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

## Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

