

## Special Issue

# Molecular and Microbial Ecology: Plastic Responses and Eco-Evolutionary Interactions with Environmental Stressors and Climate Change

### Message from the Guest Editors

The need to understand the short-term plastic and contemporary adaptive responses of organisms to environmental stressors and fast-paced climate change has never been more urgent. Microbial communities are also increasingly recognized as an integral part of healthy, sustainable ecosystems (soil, air, water) with key roles in several ecosystem functions from nutrient cycling to greenhouse gas emissions, and the dynamics of organic matter turnover. It is thus of great importance to assess the relationship between genetic diversity at different levels and ecosystem functioning under conditions of rapid environmental change. In this Special Issue, we invite studies, reviews, and datasets of molecular and microbial ecology interest regardless of taxon that investigate and disentangle the plastic and evolutionary components of this relationship at either the macro-environment (soil, air, water) or the micro-environment (e.g., gut microbiota). Our goal is to provide in this issue a collection of high-quality articles that present novel insights into the ways that organisms and microbial communities respond to rapid changes to their environments.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2024)



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## About the Journal

### Message from the Editor-in-Chief

*Diversity* (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.

We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

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### Editor-in-Chief

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#### Journal Rank:

JCR - Q2 (Biodiversity Conservation) / CiteScore - Q1  
(Agricultural and Biological Sciences (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 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).