

Special Issue

Climate Change Impacts on Marine Biodiversity: From Organisms to Populations and Ecosystems

Message from the Guest Editors

The climate crisis is a global threat to species, populations, and ecosystems; it affects individual organisms and their interactions with other species and habitats, thus altering ecosystem functions and structures. The climate crisis is particularly intense in the semi-enclosed Mediterranean Sea basin, designated as a biodiversity hotspot, where the average warming rate is more intense than the global one; indeed, significant increases in average temperatures, extreme temperatures, and the number of heat waves, as well as more frequent and intense drought periods, are being recorded here. Within this context, this Special Issue of *Diversity* will include the following:

- Spatial and temporal distribution patterns of species and populations under climate change;
- Populations and ecosystems structure and functional diversity under climate change;
- Future predictions using recent multi-model initiatives and statistical modeling approaches;
- Contributions on extreme events and hazards;
- Climate changes' effects on the ecotoxicity of emerging pollutants with special focus on coastal ecosystems;
- Alien species occurrence;
- Conservation actions for Mediterranean biodiversity.

Guest Editors

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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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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).