

Special Issue

Lichen Diversity and Biomonitoring

Message from the Guest Editor

Unlike vascular plants, which take nutrients mainly from the soil through roots, lichens only depend on the atmosphere for nutrition. For this reason, they respond directly to atmospheric pollutants and they have been successfully used for the biomonitoring of air pollution. Pollution may affect lichens at different levels of biological organization, by determining, e.g., alterations in community diversity and composition. Apart from assessing the effects of gaseous pollutants, biomonitoring approaches were recently extended to a suite of other anthropogenic disturbances. We encourage researchers to send their manuscript on the following topics:

- Empirical studies on the effects emerging air pollutants on lichen communities;
- Investigating environmental factors, as covariates of lichen diversity;
- Temporal and spatial patterns of lichen diversity as a function of disturbances;
- Monitoring climate change by means of lichen diversity shifts;
- Effects of forest management on lichen communities and populations;
- The use of lichen functional traits in biomonitoring;
- Theoretical aspects related to the quantification and to the interpretation of lichen diversity.

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2019)



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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).