



## Lichen Diversity and Biomonitoring

Guest Editor:

**Dr. Paolo Giordani**

Dipartimento di Farmacia,  
Università di Genova, Viale  
Cembrano 4, 16148, Genova, Italy  
giordani@difar.unige.it

Deadline for manuscript  
submissions:

**31 January 2019**

### 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.





# *diversity*



An Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Michael Wink**

Institute of Pharmacy &  
Molecular Biotechnology,  
Heidelberg University, Im  
Neuenheimer Feld 364, 69120  
Heidelberg, Germany

## 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).

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High visibility:** Indexed in BIOSIS Previews, Zoological Record and other databases.

**CiteScore 2016 (Scopus):** 2.03, which equals rank 10/41 (Q1) in 'Agricultural and Biological Sciences (miscellaneous)', rank 9/25 (Q2) in 'Ecological Modelling', rank 76/291 (Q2) in 'Ecology', rank 24/109 (Q1) in 'Nature and Landscape Conservation'.

## Contact us

---

*Diversity*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
www.mdpi.com

mdpi.com/journal/diversity  
diversity@mdpi.com