



## Lichens: Chemistry, Ecological and Biological Activities II

Guest Editors:

**Prof. Dr. Sophie Tomasi**

UMR CNRS ISCR 6226, Equipe  
PNSCM, Université de Rennes 1, 2  
avenue du Pr Léon Bernard,  
35043 Rennes, CEDEX, France

**Prof. Dr. Joel Boustie**

UMR CNRS ISCR 6226, Equipe  
PNSCM, Université de Rennes 1, 2  
avenue du Pr Léon Bernard,  
35043 Rennes, CEDEX, France

Deadline for manuscript  
submissions:

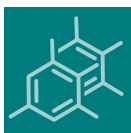
**closed (31 January 2019)**

### Message from the Guest Editors

The discovery of metabolites of interest from untapped sources is a great challenge for researchers. Lichens are self-supply organisms combining fungal, algal and/or bacterial partners and can grow in very drastic environments, resulting in the potential production of various defense weapons in response to biotic or abiotic stresses. In this context, an increasing number of studies focus on this original symbiotic association for the discovery of novel and active metabolites.

This Special Issue aims to overview the recent discoveries regarding lichens, relating studies describing the new analytical methods used to study the chemical profiling of lichens and of partners involved in this holobiont. Interdisciplinary studies highlighting the ability of lichens or symbiotic partners to produce interesting metabolites for future ecological or therapeutic applications are welcome. Biotechnological approaches for metabolite production will be also encouraged.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Thomas J. Schmidt**

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

## Author Benefits

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

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

## Contact Us

*Molecules* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[X@Molecules\\_MDPI](https://twitter.com/X@Molecules_MDPI)