Special Issue

Lichens: Chemistry, Ecological and Biological Activities II

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.

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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.

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