

Special Issue

Advances in Research with Bryophytes

Message from the Guest Editors

Bryophytes are considered in a wide range of applications ranging from using biologically active products in medicine, agroecology and biology, as pharmaceutical flavouring agents, as part of bioreactors, biofuels, in understanding ecosystem responses to climate change, in rewilding ecosystems, in paludicultures, as bioindicators, in the filtering of pollutants, or in gardening and floristics.

A large diversity of biologically active compounds and specialized genes have been discovered in bryophytes. Bryophytes have become model species in the production of biotechnologically relevant compounds that show antimicrobial, antibacterial, antifungal, antiviral and even anticancer effects. The rapidly increasing level of information on genetics has enabled functional and comparative genomic approaches and the construction of metabolic pathways promoting molecular biotechnological approaches. At present, many conservation efforts demand biotechnological approach and accelerating the biotechnological goals are supported by basic knowledge of ecology and diversity of bryophytes. Thus, the bryophyte science become wider and at the same time multi-layered.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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