



Biosystematics and Phylogenetic Taxonomy of Plants

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Message from the Guest Editors

Dear Colleagues,

Modern plant taxonomy integrates characters and data from many fields of the biological sciences, such as comparative morphology, anatomy, cytology, palynology, embryology, genetics, molecular biology, physiology, ecology, phytochemistry, phytogeography, and paleobotany. Many genera and families in plants show a complex taxonomical history, with many cryptic taxa revealing a considerable morphological variation but without clear boundaries supporting a clear taxonomic delimitation. Biosystematic and phylogenetic studies strongly contribute to deepen our knowledge of plant diversity essential for management and conservation planning of native flora.

This Special Issue aims to collect articles that advance knowledge and understanding of plant biodiversity, systematics and evolution, through integrative analyses of different taxonomic traits, i.e., morphological, anatomical, cytological, biochemical, genetical, etc. Studies addressing new taxa descriptions, characterization and delimitation of cryptic species, phylogenetic relationships and/or revised classification of critical taxonomic groups are welcome.





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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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