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Plant Genosystematics

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Message from the Guest Editor

Dear Colleagues,

“Genosystematics” is using data on the structure of information macromolecules (semantids) to recognize the systematic position and phylogeny of living organisms. Genosystematics started at the turn of the 50s and 60s of the last century. Over its sixty-year history, genosystematics absorb the methodological innovations of molecular biology—from paper chromatography of nucleotide bases through DNA-DNA hybridization, isozyme, and immunological analysis to high-throughput sequencing of genomes of the second and now the third generation.

The progress of genosystematics is inextricably linked with the development of bioinformatics methods. A significant number of genosystematic studies have been devoted to plants, leading to a revision of the concepts of phylogeny and taxonomy of many groups. However, the field for research in this area is still far from being closed.

In the current Special Issue, it is planned to publish original research, reviews, and short communications on the genosystematics of various groups of terrestrial plants and algae, as well as on methodological and bioinformatics developments in this area.



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Special Issue



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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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