

Special Issue

Angiosperm Diversification and Phylogenetic Relationships

Message from the Guest Editors

Recent genomic investigations have revealed a complex history of whole-genome duplications in angiosperms. These events furnished abundant genetic material for evolution to act on. For example, in certain lineages, gene families associated with flower development experienced expansion, thereby influencing the diversity of floral forms. Nevertheless, resolving the phylogenomic relationships among angiosperms remains a formidable challenge, mainly due to ancient hybridization events and rapid evolutionary radiations. This Special Issue endeavors to explore angiosperm evolution, diversification, and genome evolution in greater depth, aiming to elucidate how genomes, genes, and gene families have evolved and how these evolutionary changes have contributed to angiosperm diversification. By integrating data from multiple genomes, we aspire to gain a more comprehensive understanding of the phylogenetic relationships and the driving forces behind angiosperm evolution.

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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, and 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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