

Special Issue

Study on Organellar Genomes of Vascular Plants

Message from the Guest Editor

Plant organellar genomes, mitochondrial DNA, and chloroplast DNA are key carriers of genetic information. Chloroplast genomes were the first to be sequenced and described in plants and are essential for photosynthesis and other biosynthetic activities. Studies of chloroplast genomes have demonstrated their variability at the species level, and their polymorphic intergenic regions are now widely used in studies of phylogenetics, phylogeography, and molecular evolution. Mitochondrial genomes are central to energy production, they are well known for their very large size and have many unique features that distinguish them from animal mitogenomes. This variation is attributable to frequent recombination, horizontal gene transfer, and gene loss. The research on these genomes has been propelled by advancements in sequencing technologies, which have provided deeper insights into their structure and evolution. These studies are crucial for understanding plant biology. This Special Issue aims to explore the latest advances in research on the topic. We welcome submissions of both original research and review articles.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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