

## Special Issue

# Assembly and Phasing of Complex Genomes in Plant

### Message from the Guest Editors

The journal *Plants* is going to publish a Special Issue of “Assembly and phasing of complex genomes in Plant”. Most genome sequencing projects have released mosaic assemblies with a mix of alleles from different parents. Nevertheless, genomes of organisms are phased in the nucleus, and traditional assembly strategies fail to take into account allelic variation, which is crucial and leads to phenotypic outcomes. Plant genome studies have shown the importance of haplotype-resolved genome assembly for tackling complex biological questions including mechanisms of genome evolution, heterosis, and phenotypic variation. We intend to cover a wide range of haplotype-resolved genome assemblies in this special issue. This special issue will also highlight new technologies or methods in this area.

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### Guest Editors

Prof. Dr. Xingtan Zhang

Prof. Dr. Xuepeng Sun

Prof. Dr. Won C. Yim

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### Deadline for manuscript submissions

closed (20 December 2022)



## Plants

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*Plants*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[plants@mdpi.com](mailto:plants@mdpi.com)

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plants](https://mdpi.com/journal/plants)





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## About the Journal

### 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, 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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### Editor-in-Chief

Prof. Dr. Dilantha Fernando  
Department of Plant Science, University of Manitoba, Winnipeg, MB  
R3T 2N2, Canada

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