



The Dynamic Change in Plant Genomes

Guest Editor:

Dr. Sean Mayes

Faculty of Science, School of
Biosciences, University of
Nottingham, Sutton Bonington
Campus, Leics, Loughborough
LE12 5RD, UK

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Message from the Guest Editor

Plant genomes represent a dichotomy; their degree of conservation allows for links to be made between genomes of the same or even different taxa, which reveal conserved synteny, however significant variation also exists in the genome structure and gene order within species. As more information becomes available from the conserved synteny studies, genome sequencing/resequencing, and methylation analysis, the forces shaping plant genomes are becoming clearer.

The Special Edition is open to research articles on plant and crop studies into the commonalities and differences between plant genomes, and the forces driving these.

Particularly welcome are research papers on the following topics:

- Domestication, adaptation, and effects of the environment on genomes;
- The importance of autonomous and semi-autonomous elements in shaping the genome structure and/or bridging the species divide;
- The shaping of the genome by natural selection in wild populations;
- Approaches for the translation of information and understanding between the genomes of related species and taxa.





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Editor-in-Chief

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

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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Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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