

## Special Issue

# Functional Genomics of Cucurbit Species

### Message from the Guest Editors

The Cucurbitaceae family contains highly nutritious and morphologically diverse crops. Recent years have seen dramatic advances in the development and application of genomic tools for cucurbit species, including genome assemblies and annotations; the construction of pan-genomes; the development of high-throughput genotyping tools such as SNP, tilling and mutant platforms; the genomic analyses of germplasm collections; the identification of SNPs and structural variants; the use of bioinformatic tools such as genome-wide association studies (GWAS) and genomic prediction; fine genetic mapping and molecular marker-assisted selection (MAS); and the development of new transformation and gene editing methods. These tools provide us with the opportunity to determine the genetics behind important production, quality, and developmental traits. This Special Issue seeks to highlight the progress being made in cucurbit genomics. We invite the submission of original research and review articles dealing with any aspect of the development and/or application of functional genomic tools for cucurbit species.

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### Guest Editors

Prof. Dr. Rebecca Grumet

Department of Horticulture, and Graduate Program in Plant Breeding, Genetics and Biotechnology, Michigan State University, East Lansing, MI 48824, USA

Prof. Dr. Feishi Luan

Key Laboratory of Biology and Genetic Improvement of Horticulture Crops (Northeast Region), Ministry of Agriculture and Rural Affairs, Northeast Agricultural University, Harbin, China

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### Deadline for manuscript submissions

closed (28 February 2026)



## Plants

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

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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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