

## Special Issue

# Plant Genetics and Molecular Breeding

### Message from the Guest Editor

The development of new plant varieties is a long and tedious process involving the generation of large seedling populations for the selection of the best individuals. Genomic studies for the development of marker-assisted selection strategies are particularly useful when the evaluation of the character is expensive, time-consuming. Recently, proteomic and transcriptomic studies have been used for the clarification of the mentioned genomic studies.

This Special Issue aims to report high novelty results and/or plausible and testable new models for the integrative analysis of the different approaches applied to plant breeding including genetic (phenotyping and transmission of agronomic characters), genomic (DNA regions responsible for the different agronomic characters), proteomic (proteins and enzymes involved in the expression of the characters) and transcriptomic (gene expression analysis of the characters) approaches for the development of new MAS strategies. Besides, the application of massive sequencing methodologies ("deep-sequencing") of the genome and transcriptome, based on lowering the costs of DNA sequencing, could be an additional interesting approach in this Issue.

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### Guest Editor

Dr. Pedro Martínez-Gómez  
CEBAS-CSIC, Centro de Edafología y Biología Aplicada del Segura,  
Department of Plant Breeding, 30100 Murcia, Spain

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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

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### Message from the Editor-in-Chief

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Prof. Dr. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
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Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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