

Special Issue

Genetic Improvement of Vegetables for Yield, Quality, and Resistance to Diseases

Message from the Guest Editor

In this Special Issue, a scope of works aimed at plant breeding and genetic improvement of vegetables or neglected or new species with vegetable use (e.g., wild rocket, low domesticated species) are welcomed. Some of the kind of works which may fit this special issue are: i) improvement of yield per se, as well as breeding for the adaptation of plant populations and varieties to abiotic stresses (e.g., saline conditions, drought) and low-input conditions (e.g., low fertilizer use, organic farming, agroforestry) to achieve good yields, including root-and-soil interaction to improve the performance of the aerial part, ii) search for sources of resistance or tolerance to any pathogen affecting vegetables (e.g., pests, fungi, bacteria, viruses) and strategies for genetic improvement, iii) genetic improvement and germplasm characterization of quality traits, i.e., antioxidants, vitamins, carotenoids, taste-related traits (e.g., sugars, acids, tanins), flavor/aroma-related traits (e.g., capsaicinoids, isothiocyanates, volatiles), programs supported on panel tests, etc., iv) applied breeding programs, and v) participatory activities and experiments for any of the aforementioned issues.

Guest Editor

Prof. Dr. Adrián Rodríguez-Burruezo

Instituto de Conservación y Mejora de la Agrodiversidad Valenciana (COMAV), University Politécnica de Valencia, Camino de Vera s/n, CP 46022 Valencia, Spain

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Plants
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

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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.

Editor-in-Chief

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

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