## Special Issue

# Genetic and Environmental Factors Influencing the Growth of Horticultural Crops

#### Message from the Guest Editors

Plants are shaped by their genetic makeup and the environment. Genetic makeup determines inherited traits, while environmental factors affect plant growth and development. Horticultural crops include vegetables, fruits, ornamentals, culinary herbs and spices, medicinal and aromatic plants. Environmental factors that affect plant growth and development include light, temperature, air, humidity, soil, water, nutrients, pollutants and plant growth regulators, as well as insects and beneficials or detrimental microbes. Production conditions can substantially affect the growth and quality of horticultural crops. Some of these production environments include open fields or greenhouses using fertile soils, hilly mountainous terrains using marginal soils, and containers filled with soilless substrates positioned either outdoors or under a controlled environment. This Special Issue is intended to publish manuscripts concerning genetic and environmental factors influencing horticultural crop growth at morphological, physiological and molecular levels. Both research and review manuscripts addressing these concerns, including crop responses to abiotic and biotic stresses, are welcome.

#### **Guest Editors**

Prof. Dr. Jianjun Chen

Mid-Florida Research and Education Center, Environmental Horticulture Department, University of Florida, 2725 S. Binion Road, Apopka, FL 32703, USA

Prof. Dr. Xiangying Wei

Fujian Key Laboratory On Conservation and Sustainable Utilization of Marine Biodiversity, Fuzhou Institute of Oceanography, Minjiang University, Fuzhou 350108, China

#### Deadline for manuscript submissions

closed (10 May 2025)



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mdpi.com/si/202351

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

mdpi.com/journal/agriculture





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Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

#### Editor-in-Chief

#### Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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