# Special Issue

# Breeding of Horticultural Crops for Trait Improvement and Stress Resilience

## Message from the Guest Editors

This Special Issue will encompass different aspects of novel approaches to stress tolerance, such as the use of multi-omics tools along with emerging genome engineering tools that can expand our understanding of how plant's physiology is modulated in response to the changing environmental conditions, the molecular mechanisms underlying stress tolerance in plants and our understanding of gene function. The use of such tools in horticultural breeding is expected to revolutionize the trait improvement of horticultural crops. Furthermore, the interaction with beneficial microorganisms to induce stress resilience will offer new insights into targeted breeding programs. This Special Issue invites contributions of original research and review/mini-review articles on recent advancements in the field, specifically on trait improvement and stress resilience in horticultural crops, using integrated omics-oriented approaches and modern breeding tools. Contributions highlighting the usefulness of new genotyping, phenotyping and modelling techniques to improve the understanding and prediction of complex traits in breeding programs are welcome.

## Guest Editors

Dr. Evangelia Stavridou

Dr. Panagiotis Madesis

Dr. Irini Nianiou-Obeidat

## Deadline for manuscript submissions

closed (5 June 2024)

**Agriculture**

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Impact Factor 3.6
CiteScore 6.3

mdpi.com/si/165572

*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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## Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

## 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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