# Special Issue

# Abiotic Stress Tolerance and Breeding Strategies in Tea Plants

### Message from the Guest Editors

The tea plant (*Camellia sinensis*) is a globally important economic crop, known for the tea processed from its leaves. While cultivated worldwide, its yield per unit area and quality vary substantially across regions due to differences in cultivars, growing environments, and cultivation practices. These variations underscore the critical need for the breeding of excellent cultivars and the refinement of cultivation/management techniques to enhance both productivity and tea quality. This Special Issue titled "Abiotic Stress Tolerance and Breeding Strategies in Tea Plants" aims to highlight innovative studies, approaches, and techniques that advance our understanding of tea plant genetics, physiology, and biochemistry. Topics of interest include, but are not limited to, the following: genetic breeding and germplasm innovation in tea plants, functional genomics and gene discovery, molecular mechanisms underlying environmental stress responses and tolerance, secondary metabolite biosynthesis mechanisms, and efficient tea plant cultivation techniques.

### Guest Editors

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### Deadline for manuscript submissions

20 November 2025

**Horticulturae**

**an Open Access Journal by MDPI**

**Impact Factor 3.0**
**CiteScore 5.1**

mdpi.com/si/237871

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mdpi.com/journal/horticulturae

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Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

### Editor-in-Chief

Prof. Dr. Luigi De Bellis
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