

Special Issue

Advancing Plant Resilience: Genetics and Agronomy

Message from the Guest Editors

Due to escalating global climate challenges, agricultural systems are increasingly exposed to unpredictable and severe stresses, threatening crop productivity and food security. Enhancing plant resilience to these stresses is crucial for ensuring sustainable and resilient agricultural practices.

We invite you and your colleagues to contribute original research articles and reviews that explore innovative genetic and agronomic strategies to bolster plant resilience. Topics of interest include but are not limited to the genetic regulation of stress responses, signaling networks, breeding for stress-tolerant crops, precision agriculture, and sustainable agronomic practices. Understanding the interplay between genetic factors and cultivation techniques can significantly improve crop performance under adverse environmental conditions, optimize resource use efficiency, and reduce the environmental footprint of agriculture. We particularly encourage submissions that address emerging challenges in plant stress biology, propose novel integrative approaches, or focus on translating genetic discoveries into practical agronomic solutions.

Guest Editors

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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