

Special Issue

Production, Cultivation, and Breeding of Brassicaceae Crops

Message from the Guest Editors

Brassicaceae crops play a crucial role in global agriculture due to their nutritional value, adaptability, and contribution to sustainable farming systems. However, climate change, evolving pathogens, and increasing food demands necessitate advancements in production, cultivation, and breeding strategies. Recent progress in high-throughput phenotyping, CRISPR-based genome editing, and AI-assisted breeding has unlocked new opportunities to enhance yield resilience, stress tolerance, and cultivation efficiency.

This Special Issue invites contributions exploring the latest developments in Brassicaceae crop research, including, but not limited to, genetic trait discovery, molecular breeding techniques, smart farming technologies, and climate-resilient cultivar development. We welcome studies that integrate multi-omics approaches, computational modeling, and field-based innovations to address current agricultural challenges. By consolidating high-quality research, this collection aims to provide a comprehensive resource for scientists, breeders, and agronomists working toward improved productivity and sustainability in Brassicaceae crop systems

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Message from the Editor-in-Chief

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

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