

Breeding Climate Smart Vegetable Crops

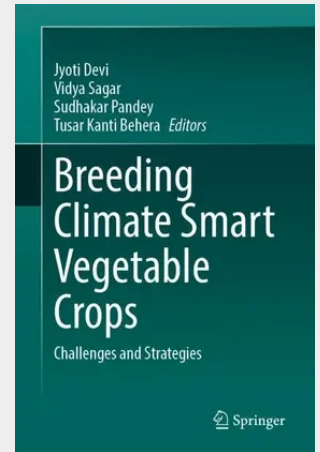
Challenges and Strategies

This contributed volume provides a comprehensive overview of the major abiotic stresses faced by vegetable crops. It covers detrimental impacts on production and nutritional value, advancements in breeding techniques, plant screening protocols, phenotyping, trait identification, utilization of existing genetic resources, cultivar development, and other management practices.

Abiotic stressors, including extreme temperatures, water availability fluctuations, and soil degradation, pose significant threats to agriculture and food system stability. Vegetable crops are particularly vulnerable to these stressors, resulting in reduced yields and compromised nutritional quality. Climate change exacerbates these challenges. By promoting sustainable practices, the book contributes to overcoming the adverse impacts of abiotic stress on vegetable cultivation.

The book provides valuable insights for researchers, plant breeders, and growers who are interested in improving the resilience and productivity of vegetable crops under challenging environmental conditions.

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