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Nota di contenuto	1. Advanced Breeding Approaches for Cold-Tolerant Chickpea and Lentil in Dryland Areas. 2. Advanced Breeding Approaches for Developing Cowpea Varieties in Dryland Areas of Limpopo Province, South Africa. 3. Genetic Transformation in Agro-Economically Important Legumes. 4. Legume Breeding: From Conventional Method to Modern Technique. 5. Phenotypic Analysis of Pigeon Pea Reveal Genotypic Variability under Different Environmental Interaction. 6. Genetic Improvement of Minor Crop Legumes: Prospects of De Novo Domestication. 7. Legume Genetic Resource Security as Main Requirement for Future Challenges. 8. Molecular and Functional Characterisation of Allergenic Non-specific Lipid Transfer Proteins of Sweet Lupin Seed Species. 9. Abiotic and Biotic Stress Factors Affecting Storage of Legumes in Tropics. 10. Vegetable Soybean and Its Seedling Emergence in the United States. 11. Soybean in Indonesia: Current Status, Challenges and Opportunities to Achieve Self-Sufficiency. 12. Enzymatic Process for Pigeon Pea. 13. Grass-Legume Seeding: A Sustainable Approach Towards Reclamation of Coalmine Degraded Lands in India. 14. Faba Bean Agronomic and Crop Physiology Research in Ethiopia. 15. Callus Induction from Unpollinated Ovary Explants of Beans. 16. Legumes and Nodule Associated Bacteria Interaction as Key Factor for Abiotic Stresses Impact Mitigation. 17. Legume-Rhizobium Interaction Benefits Implementation in Enhancing Faba bean ( <i>Vicia faba</i> )

L.) Crop Yield and Economic Return. 18. A Review on Ecology of Interactions in Soybean Vein Necrosis Orthospovirus (SVNV): Plants, Vectors, Virus Dispersal and Management Perspectives. 19. Symptoms of Damage to Soybean Varieties Due to Major Pest Attacks in South Sulawesi, Indonesia. 20. Synthetic Communities of Bacterial Endophytes to Improve the Quality and Yield of Legume Crops. 21. Challenges, Progress and Prospects for Sustainable Management of Soilborne Diseases of Cowpea.

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Sommario/riassunto

This book is a collection of updated studies related to current improvements in legume traits and their agricultural benefits. It discusses the physiological functions, genetics, and genomics of legume crops. Chapters address such topics as genetics and biological insights of seed traits in the context of climate change, improving quality and yields of legume seeds, new genetic resources from diverse germplasms, and agricultural benefits of legumes in agroecosystems.

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