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Improvement for Environmental Sustainability -- Chapter 16. Physiological and Gene Expression Responses of Soybean Under Nutrient (N, P& Fe) Deficiency Stress -- Chapter 17. Physiological and Gene Expression Responses in Soybean under Situations of Water Deficits -- Chapter 18. Exergy and Energy Analysis System of Production and Processing of Soybean -- Chapter 19. Soybean Supply Chains, Markets, and Global Trade.

Sommario/riassunto

This contributed volume offers a comprehensive overview of the physiology, production, and processing of soybean, focusing on the latest advancements in soybean production technology. It covers recent innovations in the field, providing essential information on geographic distribution, uses, physiology, crop improvement, and processing of soybean. Soybean is a globally significant oilseed and legume crop, vital in meeting the rising global demand for vegetable oil and protein. Updated knowledge on key topics related to soybean production is crucial for adopting sustainable crop production strategies. This includes integrating indigenous knowledge with the latest cost-effective and efficient technological interventions. The book is of particular interest to academicians, professionals, and policymakers involved in soybean research and development. It also serves as a valuable reference for students, scientists, industrialists, and farmers working on various aspects of soybean.