

1. Record Nr.	UNINA9911031677803321
Autore	Singh A. K
Titolo	Sustainable Agriculture Management in Semi-Arid Climates : Volume 2 // edited by A. K. Singh, Pavan Kumar, S. S. Singh
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-94066-0
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (601 pages)
Collana	Earth and Environmental Science Series
Altri autori (Persone)	KumarPavan SinghS. S
Disciplina	338.1
Soggetti	Agriculture Sustainability Environmental management Climatology Bioclimatology Environmental Management Climate Sciences Climate Change Ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Innovative Management Practices for Biotic and Abiotic Stress for Sustainable Horticulture -- Chapter 2: Integrative Strategies for Climate-Resilient Horticulture -- Chapter 3: Advanced Stress Mitigation Techniques in Horticulture: Enhancing Crop Resilience to Biotic and Abiotic Challenges -- Chapter 4: Management of Natural Resources in Semi-Arid regions: Current Practices, Approaches, Challenges, and Future Strategies -- Chapter 5: Strategies and Management Practices for Enhancing Long-Term Sustainability through Resilient Farming Systems -- Chapter 6: Household Vulnerability and Agricultural Adaptation Strategies under Changing Climate Conditions -- Chapter 7: Precisioncrop production and utilization of water: A Sensor-based Approach -- Chapter 8: Smart Water Systems: AI and IoT in Precision Irrigation -- Chapter 9: Strategy and Management Practices of Soils for Agricultural Sustainability -- Chapter 10: Production of livestock: Prospects for innovation -- Chapter 11: Nutritional

Approaches to Augment Production and Profitability in Livestock Enterprises: Practical Perspectives -- Chapter 12: Innovative Management Practices for Insect Pest and Diseases and Reconcile the Plant Health in Agro-ecosystem -- Chapter 13: Exploring Economic Perspectives in Ornamental Fish Farming in India: Present Status, Opportunities and Threats -- Chapter 14: Ornamental Fish Farming -- Chapter 15: Ornamental Fisheries in India: Diversity, sustainability, Trade, Livelihood and Management -- Chapter 16: Nutrient Resource Management in Fisheries and Aquaculture -- Chapter 17: Aquaculture Resources and Practices in a Changing Environment -- Chapter 18: Sustaining Agriculture: Lessons, Challenges, and Future Directions.

Sommario/riassunto

The second volume of Sustainable Agriculture Management in Semi-Arid Climates delves deeper into the innovative strategies, advanced techniques, and management practices required to address the challenges of agricultural sustainability in these vulnerable regions. This book brings together a collection of chapters that present an interdisciplinary approach to agricultural sustainability, focusing on practical solutions and technological innovations that can enhance resilience, improve productivity, and promote long-term ecological health. The volume encompasses diverse and critical topics that are essential for the sustainable management of agriculture in semi-arid climates. It is divided into four sections, each focusing on different aspects of agricultural sustainability. The book will interest scientists, students, academicians, researchers, and professors in the fields of agriculture, environmental management, and sustainability.
