1. Record Nr. UNINA9910918695803321

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Titolo	Key Drivers and Indicators of Soil Health Management : Transitioning from Conventional to Regenerative Agriculture / / edited by Ajay Kumar Mishra, Sheetal Sharma, Antaryami Mishra
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819775644 9819775647
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (205 pages)
Collana	Biomedical and Life Sciences Series
Altri autori (Persone)	SharmaSheetal MishraAntaryami
Disciplina	581.7
Soggetti	Plant ecology Soil science Water Hydrology Microbial ecology Plant Ecology Soil Science Environmental Microbiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Chapter 1_Regenerative Agriculture: A Multifaceted Approach to One Health and Soil Restoration. -- Chapter 2_Optimizing Soils for Regenerative Agriculture: A Case Study in Odisha. -- Chapter 3_Assessing Soil Microbial Communities in Regenerative Agriculture: Methods and Impacts on Soil-Plant Interactions. -- Chapter 4_Framework for Soil Health Assessment under Different Land Uses. -- Chapter 5_Regenerative Agriculture: Inclusive Approach for Transforming Conventional Agriculture. -- Chapter 6_Digital Innovations for Agro Advisory Services for Soil and Land Management. -- Chapter 7_Nutrient Management and Fertilizer Optimization. -- Chapter 8_Pathways for Assessment and Managing Soil Biodiversity. -- Chapter 9_Efficient Water Management Strategies and Recharge

Potential. -- Chapter 10_Adoption and Scaling Regenerative Agriculture: Strategies for Sustainable Resource Management in Rice-Based Systems.

Sommario/riassunto

This book explores the crucial transition from conventional to regenerative agriculture practices, focusing on the key drivers and indicators of soil health management. It provides knowledge to implement sustainable agricultural systems that prioritize soil health and foster the transition toward regenerative practices. This book delves into the principles and concepts of soil health, the challenges and limitations of conventional agriculture, the assessment of soil health through various indicators, and the importance of cover crops, crop rotation, conservation tillage, nutrient management, and water conservation practices. It also addresses the role of soil biodiversity, policy frameworks, and scaling up regenerative agriculture, providing practical strategies and case studies. The target audience for this book ranges from students and researchers to policymakers and large-scale farmers. Farmers will benefit from the practical insights and strategies presented, and policymakers and agricultural organizations can gain valuable knowledge on the drivers and policy frameworks supporting sustainable agriculture and soil health management. This book explores the crucial transition from conventional to regenerative agriculture practices, focusing on the key drivers and indicators of soil health management. It provides knowledge to implement sustainable agricultural systems that prioritize soil health and foster the transition toward regenerative practices. This book delves into the principles and concepts of soil health, the challenges and limitations of conventional agriculture, the assessment of soil health through various indicators, and the importance of cover crops, crop rotation, conservation tillage, nutrient management, and water conservation practices. It also addresses the role of soil biodiversity, policy frameworks, and scaling up regenerative agriculture, providing practical strategies and case studies. The target audience for this book ranges from students and researchers to policymakers and large-scale farmers. Farmers will benefit from the practical insights and strategies presented, and policymakers and agricultural organizations can gain valuable knowledge on the drivers and policy frameworks supporting sustainable agriculture and soil health management.