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Nota di contenuto	Part I: Progress Towards Sustainable Intensification and Climate Change -- Chapter 1. Introduction: Agroforestry for Sustaining the Global Agriculture in Changed Environment -- Chapter 2. Agroforestry Matches the Evolving Climate Change Mitigation and Adaptation Agenda in Asia and Africa -- Chapter 3. Farmer Managed Natural Regeneration in Africa: Evidence for Climate Change Mitigation and Adaptation in Drylands -- Chapter 4. Urban and Peri-urban Agroforestry to Sustain Livelihood and Food Security in the Face of Global Environmental Change and Epidemic Threats -- Part II. Landscape Restoration and Combating Desertification -- Chapter 5. Agroforestry for Climate Change Resilience in Degraded Landscapes -- Chapter 6. The Great Green Wall Initiatives and Opportunities for Integration of Dryland Agroforestry to Mitigate Desertification -- Chapter 7. Silvopastoral Systems on Degraded Lands for Soil Carbon Sequestration and Climate Change Mitigation -- chapter 8. Utilization of Saline and Other Poor-quality Waters to Sustain Agroforestry Production -- Chapter 9. Potential of Agroforestry Systems for Food

Security, Climate Change Mitigation, Landscape Restoration and Disaster Risk Reduction in Nepal -- Part III: Biodiversity and Ecosystem Services -- Chapter 10. The Role of Agroforestry Systems for Enhancing Biodiversity and Provision of Ecosystem Services in Agricultural Landscapes in Southeast Asia -- Chapter 11. Potentials of Indigenous Fruit Trees in Enhancing Nutrition, Income and Biodiversity Conservation in African Agroforestry -- Chapter 12. Ethnic Homestead Gardens: Diversity, Management and Conservation -- Chapter 13. Agroforestry for Plant Diversity and Livelihood Security in Southwest Asia -- Chapter 14. Achieving Biodiversity Conservation, Livelihood Security and Sustainable Development Goals through Agroforestry in Coastal and Island Regions of India and South East Asia -- Chapter 15. Biodiversity and Ecosystem Services of the Agroforestry Systems of the Himalayan Region: An Overview -- Chapter 16. Soil Biodiversity and Litter Decomposition in Agroforestry Systems of the Tropical Regions of Asia and Africa -- Part IV: Analytical Approaches and Policy Perspective -- Chapter 17. Agroforestry Suitability Mapping: A Geospatial Approach for Quantifying Land Potential for Intensification -- Chapter 18. Agroforestry as a Climate-Smart Agriculture: Strategic Interventions, Current Practices and Policies -- Chapter 19. Agroforestry as a Key Intervention to Achieve Nationally Determined Contribution (NDC) Targets -- Chapter 20. Potential of Traditional Agroforestry Systems for Intensification of Agriculture and Meeting Global Goals: Lessons from Asia and Africa -- Chapter 21. A Framework for Analysing Spatial Patterns and Extent of Influence by Single Trees on Ecosystem Properties in Agroforestry -- Chapter 22. Integrating *Moringa oleifera* and *Moringa stenopetala* in Agroforestry for Adaptation and Mitigation of Climate Change in Asia and Africa -- Chapter 23. Payment for Ecosystem Services from Agroforestry: Case Studies and Lessons -- Chapter 24. Agroforestry for Sustaining Industrial Raw Materials: Experience from a Value Chain Leveraged Consortium Model -- Chapter 25. Synthesis: Agroforestry for Sustainable Intensification of Agriculture in Asia and Africa.

Sommario/riassunto

This edited book opens up new vistas for sustainable intensification in agriculture to provide food to ever growing population as well as adapting to the risks of global environmental change. Diverting from conventional agriculture, the book explores new dimensions and concepts that have been identified for future research and development in sustaining agriculture in Asia and Africa regions. The chapters are written by leading researchers and practitioners in the field of agroforestry. The book demonstrates how agroforestry could be instrumental in bringing stability and sustainability in agricultural production. It offers sustainable solutions for the impending problems of climate change, ecosystem degradation, declining agricultural productivity, and uncertain food security. It is an essential resource for students in agroforestry courses, as well as a valuable introduction to the field for professionals in related areas.
