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and ecological sustainability under changing climatic scenarios -- Chapter 10. Agroforestry as an effective tool for pest management in the era of climate change -- Chapter 11. Agroforestry: a green solution for climate-resilient farming -- Chapter 12. Agroforestry: An eco-friendly strategy for reducing and adapting to climate change -- Chapter 13. Green Market and its generic impact on climate change with special reference to agro forestry model -- Chapter 14. Air pollution tolerance and carbon sequestration potential of tree species to combat climate change -- Chapter 15. Rehabilitation of old river bed lands in the North West Himalayas using perennial vegetation for multiple products -- Chapter 16. Agroforestry: a sustainable way of managing and improving the productivity of arid zones -- Chapter 17. Agroforestry practices: a possible way to achieve land degradation neutrality -- Chapter 18. Rethinking environmental restoration through climate-smart agroforestry -- Chapter 19. Silvopasture systems for round-the-year fodder production and building ecological resilience on degraded landscapes -- Chapter 20. Agronomic techniques to improve environmental restoration and climatic resilience in the agroforestry system -- Chapter 21. Functions of agroforestry in maintaining nutrient and biological cycles -- Chapter 22. Utilization of agroforestry waste for sustainable environment -- Chapter 23. Digital tools for climate change and environmental restoration.

| Sommario/riassunto | This book discusses the possibilities, reach, challenges, and limitations of agroforestry in new contexts where the security of food, nutrition, and the environment are equally vital. The focus of each chapter in the book is on the potential for agroforestry to address pressing issues such as sustainability, food, fodder, nutrition, and environmental security, as well as to offer, support, regulate, and to provide cultural services to society. Some of the devoted chapters in the book also go into detail on the scope and restrictions of agroforestry owing to existing regional and climatic barriers/problems, in addition to in-depth discussion of prospects of agroforestry in changed climate scenarios to cater to current and future needs. The major focus of this book is to aggregate up-to-date and recent agroforestry research studies/achievements to make them accessible to all the stakeholders for their use and to disseminate how agroforestry systems are playing a crucial role in tackling many difficulties during the changing climate and environmental crisis. The stakeholders find this book helpful in learning agroforestry and its importance in situations with changing climatic conditions across the globe. Additionally, it may also be helpful for policy makers for formulating policies pertaining to the adaptation and mitigation of climate change, the conservation of natural resources, and food and nutritional security, including sustainable development through agroforestry. |