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Disciplina	631.52 660.6
Soggetti	Plant breeding Natural resources Plant genetics Animal genetics Plant Breeding/Biotechnology Natural Resources Plant Genetics and Genomics Animal Genetics and Genomics
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	1. Social Necessity of an Efficient Management and Conservation of Bio-resource and Stress Management (Ratikanta Maiti) -- 2. Socioeconomy of Bio-resource and Stress Management (Samares Das) -- 3. Climate Change: It's Impact on Bio-resource and Sustainable Agriculture (Aruna Kumari) -- 4. Natural Resource Management (Ratikanta Maiti) -- 5. Agrotechnology and Crop Diversification (A.V. Ramajaneyulu) -- 6. Physiological Basis of Crop Productivity (Ratikanta Maiti) -- 7. Biotic Stress: Diseases (Susanta Banik) -- 8. Biotic Stress: Insect Pests (Ratikanta Maiti) -- 9. Research Trends in Abiotic Stress Resistance of Crops (Jorge Sarquis Ramirez) -- 10. Essence of Plants or Crops for Adaptation: Learning Lessons for Sustainable Use (Ratikanta Maiti) -- 11. Breeding, Genetics and Biotechnology (Aruna Kumari) -- 12. Post-Harvest Technology for Reducing Stress on Bio-resource: Recent Advances and Future Needs (Somesh Sharma) -- 13. Recent Trends in Seed Science and Technology (Ashok K. Thakur).

## Sommario/riassunto

This book is a compilation of recent global measures to conserve bio-resources and manage biotic and abiotic stresses. It highlights emerging issues related to agriculture, abiotic and biotic stress factors, ethnic knowledge, climate change and global warming, as well as natural resources and their sustainable management. It also focuses on the consolidated efforts of scientists and academics engaged in addressing a number of issues related to resource management and combating stresses in order to protect the Earth. Crop production and productivity have been significantly improved, however, there have been no corresponding practical advances in sustainable agriculture. This book offers a wide range of affordable approaches to managing bio-resources with a focus on sustainability. Lastly, it describes research highlights and future areas of research.

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