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Descrizione fisica	1 online resource (327 p.)
Disciplina	333.7 338.927 577 621.042 628 660.6
Soggetti	Sustainable development Ecology Environmental engineering Biotechnology Renewable energy resources Sustainable Development Ecology Environmental Engineering/Biotechnology Renewable and Green Energy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	1. Insight into the Role of Arbuscular Mycorrhizal Fungi in Sustainable Agriculture -- 2. Recycled Water Irrigation for Sustainable Production in Australia -- 3. A Review of Biopesticides and their Mode of Action against Insect Pests -- 4. Seaweeds- a Promising Source for Sustainable Development -- 5. A Comprehensive Overview of Renewable Energy Status in India -- 6. How Sahara Solar Breeder Plan Contribute to Global Sustainable Energy Production, Si Manufacturing, Resource Conservation and help Balance Societies Needs? -- 7. Clean Development Mechanism: A key to Sustainable Development -- 8.

Microalgae as an Attractive Source for Biofuel Production -- 9. Advancement and Challenges in Harvesting Techniques for Recovery of Microalgae Biomass -- 10. Characterization of Bacillus Strains Producing Biosurfactants -- 11. Production of Biosurfactants using Eco-friendly Microorganisms -- 12. Ecofriendly Technologies for Heavy Metal Remediation – A Pragmatic Approaches -- 13. Phytoextraction of Trace Metals – Principles and Applications -- 14. Integrated Management of Mine Waste using Biogeotechnologies Focusing Thai Mines -- 15. Constructed Wetlands: An Ecotechnology for Wastewater Treatment and Conservation of Ganga Water Quality -- 16. Mycorrhizal Plants Accelerated Revegetation on Coal Mine Overburden in the Dry Steppes of Kazakhstan -- 17. Drivers of Green Economy: An Indian Perspective -- 18. Green Nanotechnology: The Solution to Sustainable Development of Environment.

Sommario/riassunto

- Covers different categories of green technologies (e.g. biofuels, renewable energy sources, phytoremediation etc.,) in a nutshell
- Focuses on next generation technologies which will help to attain the sustainable development - The chapters widely cover for students, faculties and researchers in the scientific arena of Environmentalists, Agriculturalists, Engineers and Policy Makers The World Environment Day 2012 is prepared to embrace green economy. The theme for 2012 encompasses various aspects of human living, ranging from transport to energy to food to sustainable livelihood. Green technology, an eco-friendly clean technology contributes to sustainable development to conserve the natural resources and environment which will meet the demands of the present and future generations. The proposed book mainly focuses on renewable energy sources, organic farming practices, phyto/bioremediation of contaminants, biofuels, green buildings and green chemistry. All of these eco-friendly technologies will help to reduce the amount of waste and pollution and enhance the nation’s economic growth in a sustainable manner. This book is aimed to provide an integrated approach to sustainable environment and it will be of interest not only to environmentalists but also to agriculturists, soil scientists and bridge the gap between the scientists and policy-makers. .