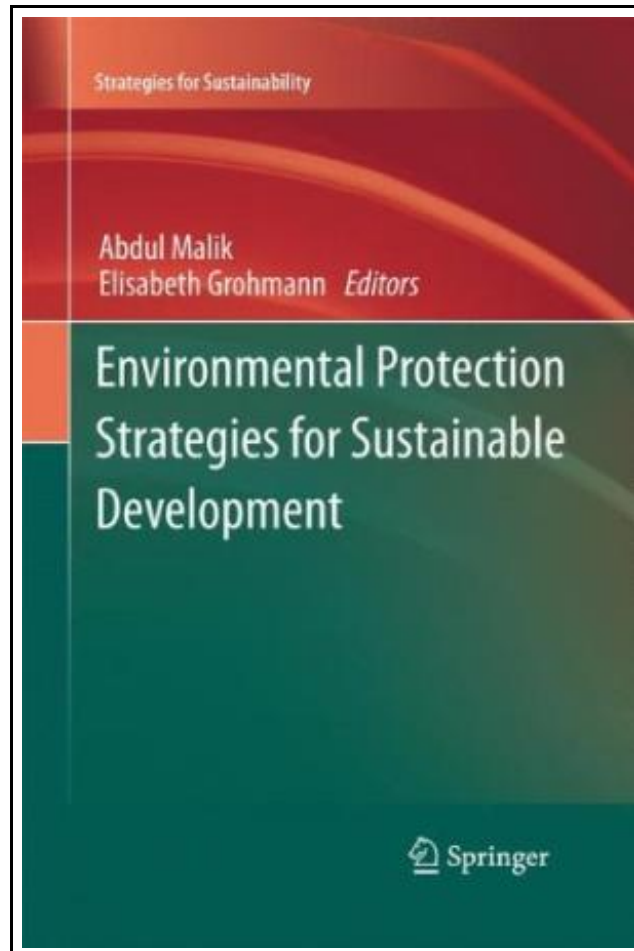


Environmental Protection Strategies for Sustainable Development



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Reviews

An exceptional book as well as the font applied was fascinating to learn. It is loaded with knowledge and wisdom I am just easily can get a pleasure of studying a created book.

(Dr. Benjamin Lakin)

ENVIRONMENTAL PROTECTION STRATEGIES FOR SUSTAINABLE DEVELOPMENT



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Springer, Netherlands, 2013. Paperback. Book Condition: New. 2012 ed.. 235 x 155 mm. Language: English . Brand New Book. The environment of our planet is degrading at an alarming rate because of non-sustainable urbanization, industrialization and agriculture. Unsustainable trends in relation to climate change and energy use, threats to public health, poverty and social exclusion, demographic pressure and ageing, management of natural resources, biodiversity loss, land use and transport still persist and new challenges are arising. Since these negative trends bring about a sense of urgency, short term action is required, whilst maintaining a longer term perspective. The main challenge is to gradually change our current unsustainable consumption and production patterns and the nonintegrated approach to policy-making. This book covers the broad area including potential of rhizospheric microorganisms in the sustainable plant development in anthropogenic polluted soils, bioremediation of pesticides from soil and waste water, toxic metals from soil, biological treatment of pulp and paper industry wastewater, sustainable solutions for agro processing waste management, solid waste management on climate change and human health, environmental impact of dyes and its remediation. Various methods for genotoxicity testing of environmental pollutants are also discussed and chapters on molecular detection of resistance and transfer genes in the environmental samples, biofilm formation by the environmental bacteria, biochemical attributes to assess soil ecosystem sustainability, application of rhizobacteria in biotechnology, role of peroxidases as a tool for the decolorization and removal of dyes and potential of biopesticides in sustainable agriculture. It offers a unique treatment of the subject, linking various protection strategies for sustainable development, describing the inter-relationships between the laboratory and field eco-toxicologist, the biotechnology consultant, environmental engineers and different international environmental regulatory and protection agencies.



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