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Nota di contenuto	1. Structural Evaluation of Cell-Filled Pavement, by Subrat Roy -- 2. Global Warming Issues-Need for Sustainable Drainage System in Urban Areas-Green Construction Technologies, by A.K. Shrivastava -- 3. Water Hyacinth: A Useful Plant to Improve Rural Economy, by Priti Mathur -- 4. Growth, Biomass and Carbon Sequestration by Ttrees in Nutrient Deficient Bhata Land Soil of Bilaspur, Chhattisgarh, India, by K. K.Chandra -- 5. Impact of Copper Oxide Nano Particles on Growth of Different Bacterial Species, by Tapan Adhikari -- 6. Performance of Low Cost Microbial Fuel Cell Using Earthenware Separator by Sudhansu Behera -- 7. Synthesis of CaO2 Nanoparticles for Environmental Emediation, by Sapana S. Madan -- 8. Superiority of Re-Circulating Fluidized Bed Reactor over Existing Reactor Arrangements for Chemical Looping Combustion – A Review, by Sachin Tomar -- 9. Enhancing N Use Efficiency and Reducing N2O Emission by Coating Urea with Newly Identified Bio-molecule (C20H30O2), Nano-Zn Oxide and Nano-Rockphosphate,by S. Kundu -- 10. Gamma Radiation Technology for Hygienisation of Municipal Dry Sewage ludge- Naresh Kumar Garg -- 11. Participatory Approach for Corporate Social Responsibility Plan in

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Sommario/riassunto

This book comprising seven parts is organized under two sections. The first section deals with environment containing four parts, whereas the second section, containing three parts, is on energy. The first part deals with some aspects of hydrologic impacts of global warming and anthropogenic changes. Part II is on bio-environment and discusses plants, biomass, and bacterial species. Part III focuses on chemical environment. Section one is concluded with Part IV on social environment. Section two starts out with Part V on solar energy. Hydropower is discussed in Part VI. The concluding Part VII deals with biogas. The book will be of interest to researchers and practitioners in the field of water resources, hydrology, environmental resources, agricultural engineering, watershed management, earth sciences, as well as those engaged in natural resources planning and management. Graduate students and those wishing to conduct further research in water and environment and their development and management may find the book to be of value.