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Nota di contenuto	Metal toxicity in microorganism / Jatindra Nath Bhakta -- Implications of molecular docking assay for bioremediation / Zarrin Basharat, Monazza Bibi, Azra Yasmin -- Insight of proteomics and genomics in environmental bioremediation / Raghvendra Pratap Singh [and 3 others] -- Role of microbes in eco-remediation of perturbed aquatic ecosystem / Susmita Lahiri, Debarati Ghosh, Jatindra Nath Bhakta -- Microbiological carbon sequestration: a novel solution for atmospheric carbon - carbon sequestration through biological approach / Mohammad Oves [and 4 others] -- Technological approach of bioremediation using microbial tools: bacteria, fungi, and algae / Mostafa M. El-Sheekh, Yehia A-G. Mahmoud -- Hydrocarbon biodegradation using agro-industrial wastes as co-substrates / Abdullah Mohammed El Mahdi, Hamidi Abdul Aziz -- Biodegradation of xenobiotic compounds: an overview / Sunil Kumar Narwal, Reena Gupta -- Role of rhizoremediation in decontaminating some hazardous pollutants / Hossein Farraji [and 3 others] -- Molecular overview of heavy metal phytoremediation / Ved Prakash, Sarika Saxena -- Mycoremediation of lignocelluloses / Saritha Vara -- Extraction of preformed mixed phase graphene sheets from graphitized coal by fungal leaching / Manoj Balachandran -- Application of potential biological agents in green bioremediation technology: case studies /

Debajyoti Kundu [and 5 others] -- Contribution of earthworm to bioremediation as a living machine: bioremediation / Shweta Yadav -- Bioremediation of agricultural, municipal, and industrial wastes / Shivani Garg -- Bioremediation of pharmaceutical wastes / Alka Bali -- Heavy metal(loid) remediation using bio-waste: a potential low-cost green technology for cleaning environment / Sukanta Rana, Jatindra Nath Bhakta -- Bacterial remediation of phenolic compounds / Veena Gayathri Krishnaswamy -- Advancement in bioremediation of pharmaceutical and personal care products / Vasudha Agnihotri -- Testing and monitoring of biodegradable contaminants in bioremediation technique / Ajay Kumar, Pragati Saini.

Sommario/riassunto

"[This book] is a comprehensive reference source for the latest scholarly information on optimizing bioremediation technologies and methods to control pollution and enhance sustainability and conservation initiatives for the environment. Highlighting pivotal research perspectives on topics such as biodegradation, microbial tools, and green technology, this publication is ideally designed for academics, professionals, graduate students, and practitioners interested in emerging techniques for environmental decontamination"
--Provided by publisher.
