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Titolo	Removal of emerging contaminants through microbial processes / / edited by Maulin P. Shah
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Descrizione fisica	1 online resource (IX, 542 p. 61 illus., 48 illus. in color.)
Disciplina	614.42
Soggetti	Ecologia microbiana Biodegradació Contaminants Contaminació de l'aigua Control de la contaminació Química ambiental Refuse and refuse disposal Water - Pollution Microbiology Salvage (Waste, etc.) Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. ASPECTS OF MICROBIAL BIOFILMS IN WATER TREATMENT -- Chapter 2. New Bioremediation Technologies to Remove Heavy Metals and Radionuclides -- Chapter 3. Removal of heavy metals using bentonite clay and inorganic coagulants -- Chapter 4. Advanced Oxidation Processes for Wastewater Remediation: An Overview -- Chapter 5. Rhizoremediation of heavy metals and xenobiotics contaminated soil: An Eco-friendly approach -- Chapter 6. Bio treatment of High-salinity Wastewater: Current Methods and Future Directions -- Chapter 7. Facing Lethal Impacts of Industrialization via Green and Sustainable Microbial Removal of Hazardous Pollutants -- Chapter 8. Waste water treatment techniques - An Introduction --

Chapter 9. New trends in removing heavy metals from industrial wastewater through microbes -- Chapter 10. Biological Wastewater Treatment Technology; Advancement and Drawback -- Chapter 11. Role of Extremophiles and Extremophilic Proteins in Industrial Waste Treatment -- Chapter 12. Bio sorption of carcinogenic heavy metals by bacteria: Role and Mechanism -- Chapter 13. The interest in Nanotechnology: A step towards bioremediation -- Chapter 14. Sustainable phyco-remediation of xenobiotics polluted water -- Chapter 15. Fundamentals of Biosensor application in environmental pollutant monitoring -- Chapter 16. Sustainable recovery of resources from industrial waste water: trends in biotechnology and allied industries -- Chapter 17. Accumulation and Detoxification of Metals by Plants and Microbes -- Chapter 18. Enzymatic degradation of industrial wastewater pollutants -- Chapter 19. Exploring the use of bio mixtures for the removal of structurally different pesticides -- Chapter 20. Bioremediation of perfluorochemical: A emerging contaminants present in municipal wastewater -- Chapter 21. Macrophyte importance in contaminant treatment and biomonitoring -- Chapter 22. Decontamination of Aqueous Heavy Metal Ions by Valence Regulation Strategy -- Chapter 23. Mechanistic insight to bioremediation of hazardous metals and pesticides from water bodies by microbes -- Chapter 24. Reuse of Water: An integral approach for the survival -- Chapter 25. Toxicity of hexavalent chromium and its microbial detoxification through bioremediation.

Sommario/riassunto

The abundance of organic pollutants found in wastewater affect urban surface waters. Traditional wastewater management technologies focus on the removal of suspended solids, nutrients and bacteria, however, new pollutants such as synthetic or naturally occurring chemicals are often not monitored in the environment despite having the potential to enter the environment and cause adverse ecological and human health effects. Collectively referred to as "emerging contaminants," they are mostly derived from domestic activities and occur in trace concentrations ranging from pico to micrograms per liter. Environmental contaminants are resistant to conventional wastewater treatment processes and most of them remain unaffected, causing contamination of receiving water. This in turn leads to the need for advanced wastewater treatment processes capable of removing environmental contaminants to ensure safe fresh water sources. This book provides an up-to-date overview of the current bioremediation strategies, including their limitations, challenges and their potential application to remove environmental pollutants. It also introduces the latest trends and advances in environmental bioremediation, and presents the state-of-the-art in biological and chemical wastewater treatment processes. As such, it will appeal to researchers and policy-makers, as well as undergraduate and graduate environmental sciences students.

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Autore	Stravinsky Igor
Titolo	Petroushka : reduction for one piano/four hands / / Igor Stravinsky
Pubbl/distr/stampa	Van Nuys, California : , : Alfred Publishing Co, Inc., , [1985] ©[1985]
ISBN	1-4574-8695-4
Descrizione fisica	1 online resource (82 pages) : illustrations, music
Collana	Kalmus classic edition ; ; K 09508
Disciplina	792.8
Soggetti	Ballets
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia