1. Record Nr. UNINA9910377840803321

Titolo	Recent Trends in Waste Water Treatment and Water Resource Management / / edited by Sadhan Kumar Ghosh, Papita Das Saha, Maria Francesco Di
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-0706-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVI, 248 p.)
Disciplina	628.3
Soggetti	Water - Pollution Water reuse Environmental management Water quality Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution Waste Management/Waste Technology Water Policy/Water Governance/Water Management Water Quality/Water Pollution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Anaerobic co-digestion of sewage sludge and animal by-product -- Chapter 2. Application of Synthesized Nano-cellulose Material for Removal of Malachite Green from Waste Water -- Chapter 3. Status of Sewage Treatment in Bihar and needs for Improvement -- Chapter 4. Effluent Water Treatment: A Potential Way Out towards Conservation of Fresh Water in India -- Chapter 5. Development of an Effective and Efficient Integrated Charcoal Filter Constructed Wetland System for Wastewater Treatment -- Chapter 6. A Consolidated Stratagem towards Defenestration of Coke Oven Wastewater Using Various Advanced Techniques - An Analogous Study -- Chapter 7. Studies on Lead removal from Simulated Waste Water in Packed Bed Bioreactor Using Attached Growth Technique -- Chapter 8. Sustainable Growth and Survival of Litopenaeus Vannamei through Waste Water Recycling -- Chapter 9. Reuse of Washing Machine Effluent using

Constructed Wetland: The Circular Economy of Sanitation -- Chapter 10. Removal of Methyelene Blue Dye by using Lemon Leaf Powder as a Adsorbent -- Chapter 11. Development of a Low-Cost Column Type Filter Based on Agricultural Waste for Removal of Fluoride from Water -- Chapter 12. Oxidative Photocatalytic Degradation of Methylene Blue in Waste Water -- Chapter 13. Bio remediation of Textile Azo Dyes by Marine Streptomyces -- Chapter 14. Use of Sewage to Restore Manmade Waterbodies – Nutrient and Energy Flow Regulation Approaches to Enabling Sustainability -- Chapter 15. Two Stage Passive High Throughput Sustainable Sewage Treatment Process: Lab Study and Future Scope.

Sommario/riassunto

This book addresses a complex issue – water sustainability – that requires a combined approach to manage both water and energy. It highlights several technologies that have been introduced to study the water–energy linkage. It also discusses the need to develop effective laws for water management. In turn, the book assesses hybrid biological systems and demonstrates why they are better for the wastewater treatment process. Lastly, it reviews wastewater quality requirements, which have been the primary driver of industrial wastewater treatment programs in India. Gathering selected, high-quality research papers presented at the IconSWM 2018 conference, the book offers a valuable asset, not only for researchers and academics, but also for industrial practitioners and policymakers.