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| Titolo | Wastewater treatment : advanced processes and technologies // edited by D.G. Rao. [et al.] |
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| ISBN | 1-78040-034-9 0-429-06588-4 1-62870-685-6 1-4398-6045-9 |
| Descrizione fisica | 1 online resource (371 p.) |
| Altri autori (Persone) | RaoD. G (Dubasi Govardhana) |
| Disciplina | 628.1/62 |
| Soggetti | Sewage - Purification Water-supply engineering Environmental engineering Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Front Cover; Contents; Preface; Contributors; Chapter 1 - Introduction; Chapter 2 - Solar Photo-Fenton as Advanced Oxidation Technology for Water Reclamation; Chapter 3 - Solar Photocatalytic Treatment of Wastewater; Chapter 4 - Advanced Oxidation Processes: Basics and Applications; Chapter 5 - Impinging-Jet Ozone Bubble Column Reactors; Chapter 6 - Biological Treatment of Wastewaters: Recent Trends and Advancements; Chapter 7 - Removal of Heavy Metals by Seaweeds in Wastewater Treatment; Chapter 8 - Microbial Treatment of Heavy Metals, Oil, and Radioactive Contamination in Wastewaters Chapter 9 - Anaerobic Wastewater Treatment in Tapered Fluidized Bed ReactorChapter 10 - Treatment of Effluent Waters in Food Processing Industries; Chapter 11 - Removal of Lower-Molecular-Weight Substances from Water and Wastewater: Challenges and Solutions; Chapter 12 - Treatment and Reuse Potential of Graywater from Urban Households in Oman; Chapter 13 - Anaerobic Fixed Bed Reactor for Treatment of Industrial Wastewater; Back Cover |
| Sommario/riassunto | Emphasizing new technologies that produce clean water and energy |

from the wastewater treatment process, this book presents recent advancements in wastewater treatment by various technologies such as chemical methods, biochemical methods, membrane separation techniques, and nanotechnology. It addresses sustainable water reclamation, biomembrane treatment processes, advanced oxidation processes, and applications of nanotechnology for wastewater treatment. It also includes integrated cost-based design methodologies. Equations, figures, photographs and tables are included within the chapters to aid reader comprehension. Case studies and examples are included as well--
