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Titolo	Advanced Industrial Wastewater Treatment and Reclamation of Water : Comparative Study of Water Pollution Index during Pre-industrial, Industrial Period and Prospect of Wastewater Treatment for Water Resource Conservation // edited by Swapnila Roy, Alok Garg, Shivani Garg, Tien Anh Tran
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Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (271 pages)
Collana	Environmental Science and Engineering, , 1863-5539
Disciplina	628.3
Soggetti	Water Hydrology Pollution Environmental protection Civil engineering Environmental monitoring Soil and Water Protection Environmental Monitoring
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Industrial wastewater: characteristics, treatment techniques and reclamation of water -- Comparative study of impacts of preindustrial and industrial period on the water resources -- Comparative study of the different industrial wastewater treatment methods -- Advanced treatment technologies for industrial wastewater -- Treatment and reclamation methods for chemical industry effluent -- Food industry wastewater treatment technologies and reuse of water -- Advanced & trends in aops and their applications -- Microbial aspect in waste water management: bio-film -- Heavy metal removal from industrial wastewater -- Achieving circular sustainability through waste water treatment -- Removal of Endocrine disruptor compounds from wastewater by adsorption techniques -- Changes in the water pollution

index during preindustrial and industrial periods -- Impact of industrial wastewater on environment and human health -- Impact of water pollution index on environment and human health.

Sommario/riassunto

This book focuses on industrial wastes that either join the streams or other natural water bodies directly, or are emptied into the municipal sewers, and their characteristics vary widely depending on the source of production and the raw material used by the industry, even during pre-industrial, industrial period and prospect of wastewater treatment for water resource conservation. The treatment of industrial wastewater can be done in part or as a whole either by the biological or chemical processes. Advanced treatment methods like membrane separation, ultra-filtration techniques and adsorption are elaborated. It would emphasize and facilitate a greater understanding of all existing available research, i.e., theoretical, methodological, well-established and validated empirical work, associated with the environment and climate change aspects. .
