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Titolo	Nanofiltration membrane for water purification // Akil Ahmad, Mohammed B. Alshammari, editors
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ISBN	981-19-5315-5
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (273 pages)
Collana	Sustainable materials and technology
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Soggetti	Nanofiltration Water - Purification - Membrane filtration
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Introduction and basic principle of Nanofiltration membrane Process -- 2. Synthesis and characterization of nanofiltration membrane -- 3. Pretreatments before the nanofiltration technique -- 4. Graphene oxide based nanofiltration membrane for wastewater treatment -- 5. Nanofiltration application in the textile industry for wastewater treatment -- 6. Dye removal from industrial water using nanofiltration membrane -- 7. Volatile organic compounds removal by nanofiltration from groundwater -- 8. Desalination through nanofiltration technique -- 9. Modified nanofiltration membrane for wastewater treatment -- 10. Performance of Ceramic Nanofiltration Membranes in Water Purification -- 11. Fouling Mechanisms in Nanofiltration Membranes -- 12. Nanofiltration Technology Applied for Peat and Wetland Saline Water -- 13. Removal of Pollutants from Wastewater through Nanofiltration: A review. .
Sommario/riassunto	This book covers the basic and sustainable approach of nanofiltration membrane techniques along with their fabrication, characterization, separation mechanisms, and broad applications in the field of wastewater treatment. It provides a wide knowledge of nanofiltration technique to water purification audience concerning the recent development with various illustrations, methods and results for graduate students, scientists, academicians, researchers, and

industrialists. Readers from wastewater and water purification will have a quick reference by exploring the research literature on the subject field with commercial value-added research applications of nanofiltration membrane.
