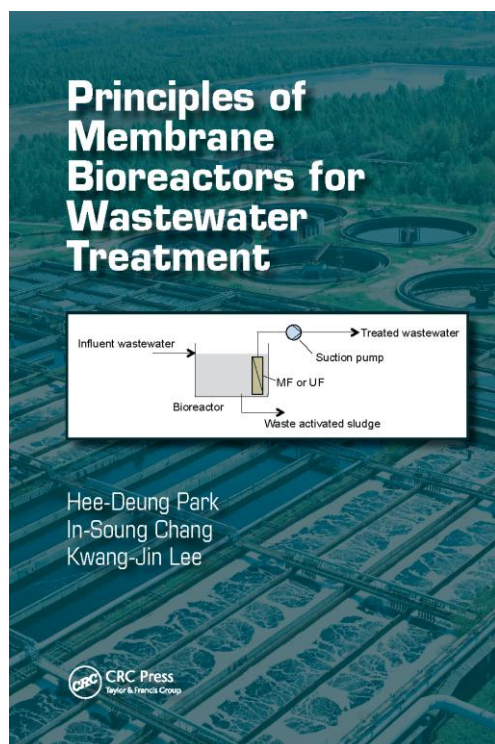


# HEE-DEUNG PARK, IN-SOUNG CHANG, KWANG-JIN LEE PRINCIPLES OF MEMBRANE BIOREACTORS FOR WASTEWATER TREATMENT



**CRC Press**  
ISBN 9781466590373  
Hard cover  
445 pages  
April 2015

*Principles of Membrane Bioreactors for Wastewater Treatment* focuses on the basic principles of the currently widespread membrane bioreactor (MBR) technology, such as biological treatment, membrane filtration, membrane fouling and MBR applications.

The book discusses concrete principles, appropriate design, and operational aspects. It covers a wide variety of MBR topics, including filtration theory, membrane materials and geometry, fouling phenomena and properties, and strategies for minimizing fouling. Different practical aspects such as operation and maintenance are also considered.

*Principles of Membrane Bioreactors for Wastewater Treatment* is written in a way aimed to impart comprehensive knowledge about MBR technology via a step-by-step learning process. This is facilitated by the provided case studies and examples, which help the readers to understand the basic concepts and principles clearly. The presented problems help advance relevant theories more deeply. Readers will find this book a helpful resource to gaining insight into the state of the art in MBR technology.

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