

Qatar University Publishes First Book on Reverse Osmosis (RO) Desalination in Gulf Region

Water security is considered as one of the major challenges that the State of Qatar endeavors to achieve in Qatar National Vision 2030. Qatar University attaches great significance to the development of desalination and water treatment researches; as it has recently published a book on “RO Desalination,” which is considered the first book on this issue in the Gulf region. Prof. Syed Javaid Zaidi, QAFAC Chair Professor, has authored the book. Moreover, it is co-authored by the research assistant, Haleema Saleem. Both the author and co-author are from the Center for Advanced Materials (CAM) at Qatar University. Elsevier, the largest science publisher, is the publisher of the book.

The book provides a general overview on RO Desalination in Qatar and demonstrates the progress in such an area. It serves as a fundamental reference for professionals, researchers and students of environmental engineering and other

relevant fields. Furthermore, it is a helpful tool for managers and official decision-makers who are entrusted with tackling water scarcity issues worldwide.

RO Desalination is an advanced technology. So far, there is no specialized book on the RO system design, performance and troubleshooting, published in the Gulf region, which places a special focus on RO Desalination studies carried out in the region. The book under discussion comes in time, considering that desalination industry in Qatar is shifting from thermal-based desalination to membrane-based RO Desalination technology. This work involves the most recent information regarding the design of RO system, its operation and troubleshooting, and can be used as a perfect means for design engineers, plant operators and technicians responsible for RO system design, operation, and maintenance.

