Dr. Rong Wang
Associate Professor in the School of Civil and Environmental Engineering, Nanyang Technological University, Singapore
Director, Singapore Membrane Technology Centre (SMTC)
rwang@ntu.edu.sg

PROFESSIONAL EXPERIENCE

Dr. Wang has 25 years of experience in Chemical Engineering, Water, Environment and Energy related R&D. She specializes in novel membrane development for water and wastewater treatment, liquid purification and gas separation, and in development of novel hybrid membrane systems and process simulation. Her research interests cover (1) novel forward osmosis (FO)/pressure retarded osmosis (PRO) hollow fiber membranes, low pressure nanofiltration (NF) hollow fiber membranes, bio-mimetic membranes, hydrophobic hollow membranes and mixed matrix membranes for seawater desalination, wastewater treatment, membrane distillation (MD), membrane contactor for CO_2 capture, etc; (2) simulation and optimization of various membrane processes such as membrane contactor, MD and separation of mixed gases in membrane modules, etc. She teaches Environmental Engineering and Science at the undergraduate and postgraduate levels at Nanyang Technological University. She is currently advising 14 PhD students and more than 10 Post-Doctorial Fellows and Research Associates. 12 PhD students under her (co)-supervision have graduated.

Dr. Wang has over 135 SCI-tracked journal publications (cited times: >2500, h-index: 31 in Web of Science) and over 100 conference contributions. She is the inventor of 20 patents/ technical disclosures for novel membrane fabrication. She has co-authored 6 book chapters. She is the editorial board member for the *Journal of Membrane Science,* and *Desalination*. She was a Guest Editor for two special issues of *Desalination* in 2011 and 2013. As Principal Investigator (PI) and Co-PI of projects, she has been successfully awarded research grants of over $15 million (SGD) by the governmental agencies and industry in the past five years.