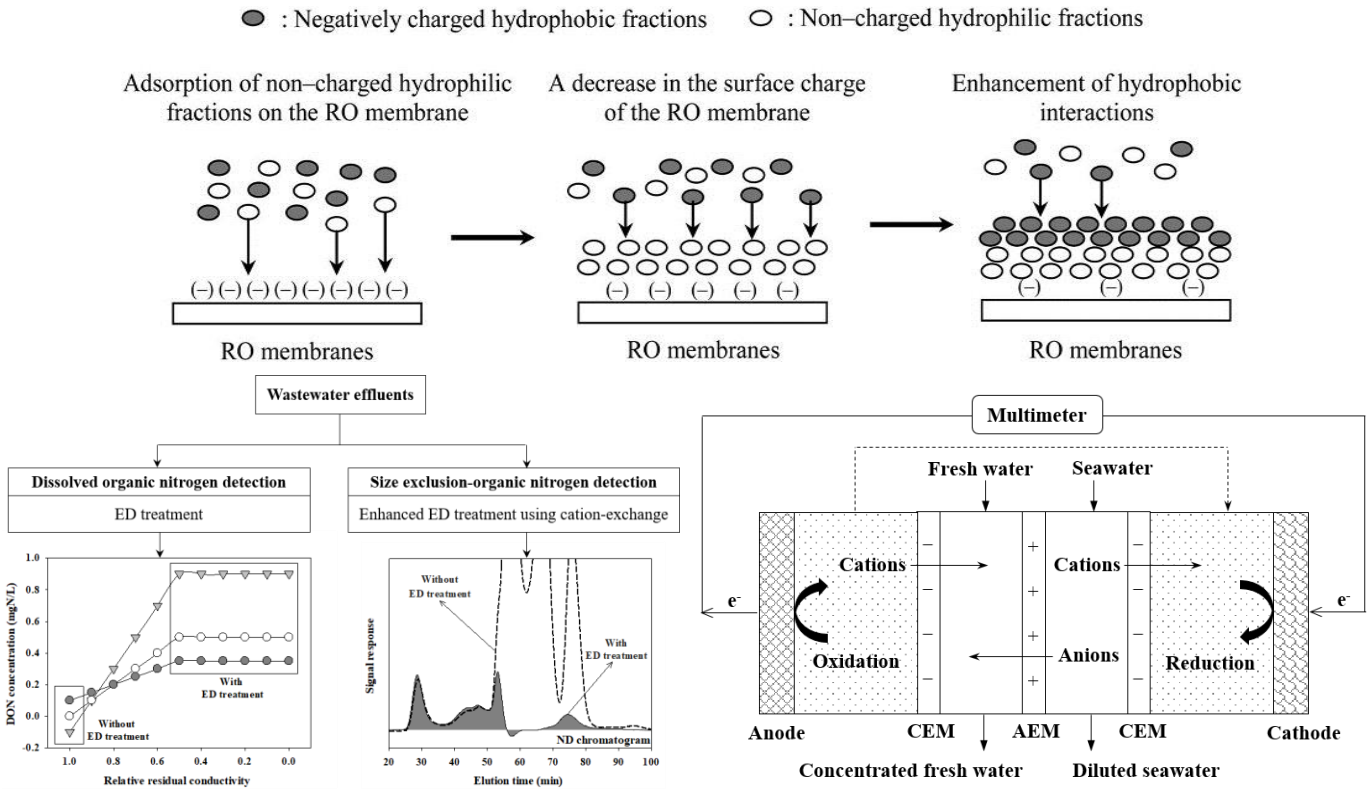
Membrane-based processes for water, wastewater treatment, seawater desalination, and sustainable power generation

Chon, Kangmin 전강민
Department of Environmental Engineering, College of Engineering
Ph.D., Gwangju Institute of Science and Technology (GIST)
kmchon@kangwon.ac.kr

Descriptions of Research Topics

- Membrane processes for water, wastewater treatment, and seawater desalination
- Membrane-based processes for sustainable power generation
- Characterization and dissolved organic matter and membrane foulants
- Development of fouling mitigation and control strategies

Applications:
- Seawater desalination
- Sustainable power generation
- Removal of micropollutants
- Water and wastewater treatment
- Recovery of valuable resources from wastewater or seawater



Research Fields 1 Process·Engineering 2 Energy·Resource
Keywords Membrane fouling, Seawater desalination, Sustainable power generation, Water treatment, Wastewater treatment