

Special Issue

Latest Innovations in Seawater Desalination Processes

Message from the Guest Editors

Water scarcity and the depletion of water reservoirs are increasing threats in many areas of the world. It is estimated that 66% of the global population suffers from severe water stress for at least one month per year, and this share is expected to increase in the near future. In this regard, seawater desalination is a feasible solution to mitigate this issue. This Special Issue on “Latest Innovations in Seawater Desalination Processes” seeks high-quality works focusing on the latest novel advances in desalination processes, mainly aimed at membrane-based seawater desalination and including emerging technologies such as forward osmosis and pressure-retarded osmosis. Topics include, but are not limited to:

- Progress in membrane and thermal desalination processes (forward osmosis, pressure-retarded osmosis, reverse osmosis, nanofiltration, multi-effect distillation, membrane distillation).
- Advancements in desalination processes powered by renewable energy (solar, wind, geothermal, ocean, etc.).
- Innovative combined power and desalination schemes (Rankine and Brayton cycles).
- Zero liquid schemes (brine valorization/recovery).

Guest Editors

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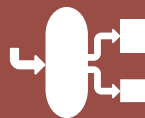
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