



## Design, Control and Optimization of Desalination Processes

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Deadline for manuscript  
submissions:

**closed (5 February 2021)**

### Message from the Guest Editors

This Special Issue on "Design, Control and Optimization of Desalination Processes" aims to gather the foremost developments in methodologies, algorithms and advanced computer-aided tools to enhance desalination systems. Design, control and optimization approaches embracing mathematical modelling, meta-heuristics, fuzzy algorithms or hybrid techniques, along with dynamic modelling and simulation methods are welcomed to address the most challenging problems faced by the desalination industry today. Topics include, but are not limited to:

- Renewable energy-driven desalination systems;
- Water–energy nexus;
- Simultaneous water and energy production (polygeneration) systems;
- High-salinity applications and/or zero-liquid discharge (ZLD) systems;
- State-of-the-art schemes to optimize control parameters in desalination processes;
- Heat recovery, energy integration and waste valorisation strategies for process intensification within the context of circular economy.





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## Message from the Editor-in-Chief

*Processes* (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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