



Seawater Desalination and Its Integration into Renewable Energy Systems for Sustainability

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Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on contributions addressing the challenges in seawater desalination and its integration into renewable energy systems. Topics for the Special Issue include, but are not limited to, the innovations and findings of:

1. Design of seawater desalination process for renewable energy system integration
 - Power generation by desalination;
 - Robust desalination methods for flexible power supply under uncertainties;
 - Energy–exergy–economics analysis of enhancement in materials for desalination processes;
2. Optimal planning and operation of renewable energy systems considering seawater desalination
 - Optimization techniques;
 - Joint operation of energy storage components and seawater desalination;
 - Co-ordination of renewable energy sources and seawater desalination;
3. Combination of seawater desalination with other industrial processes (e.g., food nexus, hydrogen production)





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