

Special Issue

Advanced Research in Desalination

Message from the Guest Editors

Desalination is a crucial process in tackling the issue of water scarcity and ensuring a sustainable supply of freshwater worldwide. This Special Issue aims to showcase cutting-edge research and innovations in the field of desalination, with a focus on advanced technologies, sustainability, and environmental impact. The key themes of this publication include advancements in desalination techniques such as reverse osmosis, multi-stage flash distillation, and forward osmosis, as well as emerging technologies like membrane distillation and solar desalination. Moreover, we will emphasize research into novel materials for membranes, energy-efficient desalination processes, and the integration of renewable energy sources for sustainable desalination. Additionally, we welcome contributions that explore the environmental impact of desalination, including brine management, energy consumption, and the development of more sustainable desalination practices, in addition to the applications of desalination in promoting water security and sustainable development. Simply put, we aim to publish research that contributes to the advancement of desalination technologies.

Guest Editors

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Dr. Weiwei Cai

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Deadline for manuscript submissions

closed (10 June 2024)



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About the Journal

Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

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