# Special Issue

# Application of Membrane-Based Technology in Water Treatment

## Message from the Guest Editors

The utilization of membrane technology is predominant in the treatment of drinking water and wastewater. Its large-scale application in engineering is highly dependent on the preparation of the membrane material, the development of the membrane process and the control of membrane fouling. The application of membrane-based technology in waster treatment fulfills the sustainable development goals for water reasource utlization. Thus, we encourge the submission of articles addressing recent progress and presenting advanced membrane techniques for water treatment to this Special Issue. This Special Issue also aims to cover the latest findings of researchers in this field, in order to illuminate directions for future research and provide technical parameters for engineering applications. Excellent and novel investigations focusing on topics such as membrane bioreactors, membrane-based water treatment, membrane fabrication, membrane fouling control, biotechnology, engineering application, etc., are also welcome in this Special Issue.

## Guest Editors

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## Deadline for manuscript submissions

closed (10 June 2025)

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## Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

## Editor-in-Chief

Dr. Jean-Luc PROBST
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