

## Special Issue

# Sustainable Membrane Processes of Water Recycling and Purification

### Message from the Guest Editors

This Special Issue aims to bring together the most recent advances in the application of membrane filtration processes in water reuse and wastewater treatment, and in the development of new membranes with tuned porosity, functionalized surface, optimized permeability, or extended lifetime.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: New membrane processes for water reuse;

New filtration processes that reduce industrial water consumption;

New membranes and their application in water and wastewater purification;

UF, NF, and RO process intensification;

Applications of membrane distillation (MD) in water/wastewater;

Combination of membrane filtration with advanced oxidation processes (AOPs);

Catalytic/photocatalytic membranes applications;

Abatement of contaminants of emerging concern using membrane processes;

Advances in the use of membranes in water-intensive industries (e.g., textile, food and beverage, mineral and hydrometallurgical);

Oil/water separation facilitated by membranes;

Mitigation of membrane fouling in wastewater filtration.

### Guest Editors

Dr. Fabricio Eduardo Bortot Coelho

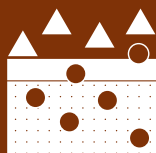
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### Deadline for manuscript submissions

closed (30 November 2023)



## Membranes

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## About the Journal

### Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open access journal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Spas D. Kolev  
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