

## Special Issue

# Functionalized Membranes for Water/Wastewater Treatment

### Message from the Guest Editor

Functionalized membranes, designed through surface modifications and the incorporation of advanced materials, offer significant improvements in pollutant removal, ion separation, antifouling resistance, mechanical stability, etc. By tailoring membrane properties and/or introducing external fields, functionalization enhances permeability, selectivity, and resistance to degradation, making these membranes highly effective for water and wastewater treatment. For this Special Issue on "Functionalized Membranes for Water/Wastewater Treatment", we seek cutting-edge original articles and reviews that advance membrane design, functionality, and application. Topics of interest include but are not limited to the following: (i) Innovative membrane materials and functionalization processes; (ii) advanced membrane processes incorporating physical, electrical, catalytic, and/or photocatalytic enhancements; (3) applications in pollutant removal, desalination, resource recovery, etc. We welcome contributions that expand the frontiers of functionalized membrane research and provide sustainable solutions for water treatment.

### Guest Editor

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### Deadline for manuscript submissions

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## 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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