# Special Issue

# Cutting Edge Technologies in Membrane Applications to Improve Wastewater Treatment Performance

## Message from the Guest Editors

Membrane bioreactors (MBRs) constitute a highly advanced technology for efficient municipal and industrial wastewater treatment all over the world, for wastewater treatment and reuse. In recent decades, outstanding progress has been achieved in the research and development of advanced MBRs, including new materials and hybrid processes. Among the cutting-edge technologies are highly efficient strains applied into MBRs for the enhancement of biological activity and fouling reduction, MBRs combined with microalgae growth, design and fabrication of novel anti-fouling composited membranes, hybrid MBRs combined with novel dynamic membranes or with other technologies such as advanced oxidation processes and high-retention membranes, and improved MBRs with the addition of hydrophilic and recalcitrant compounds for micropollutant removal. The aim of Special Issue is to seek state-of-the-art contributions outlining the latest research dealing with advanced and hybrid MBR designs, processes, and applications. Authors are also encouraged to submit initial research works or review papers.

## Guest Editors


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## Deadline for manuscript submissions

closed (25 July 2023)


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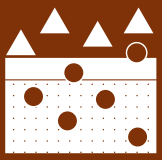

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## About the Journal

### 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 accessjournal 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.

### Editor-in-Chief

Prof. Dr. Spas D. Kolev
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