Special Issue

Modelling, Optimization and Applications of Membrane Bioreactors for Resource Recovery

Message from the Guest Editors

This Special Issue is devoted to state-of-the-art research on the topics surrounding the modeling, optimization, industrial applications of different MBR-based systems for resource recovery. It covers but is not limited to all the aspects associated with design and application of MBRs, biological, filtration, and integrated modeling, energy modeling, control and mathematical multicriteria optimization tools and LCA/LCC evaluation.

Keywords

- MBR-based systems
- Resource recovery
- Filtration models
- Biological models
- Integrated models
- Soluble microbial products modeling
- Data-driven models
- Uncertainty
- Online control and optimization
- Multicriteria optimization
- Life cycle analysis
- Life cycle costing
- Environmental footprint

Guest Editors

Dr. Ángel Robles Martínez

Dr. Joaquim Comas

Prof. Dr. Giorgio Mannina

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Membranes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
membranes@mdpi.com

mdpi.com/journal/membranes

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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
School of Chemistry, The University of Melbourne, Melbourne, VIC 3010, Australia

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