Special Issue

Advances in Model Membrane Systems

Message from the Guest Editor

The aim of this Special Issue is to cover novel research trends in the development of new membrane models or the use of membrane models for biological applications. We request submissions that provide insights into the fundamental of membrane model design, characterization and their applications. These membrane models can either be monolayer, nanodiscs, supported bilayer and hybrid membrane systems. The contributions can be original research papers, reviews and methodological developments. Areas to be covered may include, but are not limited to:

- Development and characterization of the membrane models (artificial generated supported lipid bilayer, monolayer, nanodiscs and hybrid lipid-polymer bilayer)
- Application of membrane models to various biological systems
- Analysis of membrane models using quartz crystal microbalance with dissipation (QCM-D), neutron reflectometry, atomic force microscope (AFM), surface plasmon resonance (SPR) and other advanced surface characterization techniques.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2022)

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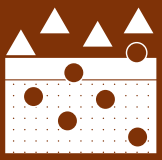

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About the Journal

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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