Special Issue

Advances in Symmetric and Asymmetric Lipid Membranes

Message from the Guest Editor

Cellular membranes are complex in both composition and function. The lipid matrix of cellular membranes is composed of a variety of lipids with different chemical structures and physicochemical properties, which can yield coexistence of phases. The fundamental lipid–lipid and/or protein-lipid interactions in these membranes play important roles in cell function, transport of small molecules and ions, signaling, protein sorting, signal transduction, virus assembly, and cell death. In addition to studies of biological membranes in real cells, model membranes prepared in vitro or in silico experiments offer a robust mimetic system to investigate the many properties of lipid membranes. These systems are excellent models to investigate events relevant to biological membranes, and for elucidating how proteins, anesthetics, drugs, or any exogenous molecules interact with the lipid bilayer. We welcome contributions, original research articles, comprehensive reviews, and short communications focusing on aspects of model membranes and biological membranes.

Guest Editor

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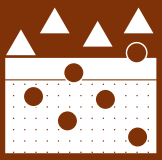

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Message from the Editor-in-Chief

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
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