Special Issue

Studies in Membrane Perturbation and Signaling

Message from the Guest Editor

This Special Issue of Membranes aims to highlight recent advances in understanding how perturbations at the membrane level influence cellular signaling pathways. We welcome contributions that explore the molecular mechanisms underlying membrane disruption, remodeling, pore formation, domain reorganization, and their roles in physiological and pathological contexts. Studies employing experimental techniques (e.g., molecular biology, microscopy, and spectroscopy) and computational/theoretical approaches (e.g., molecular dynamics simulations, machine learning, and system biology models) are encouraged. Reviews that synthesize current knowledge and identify future directions in this rapidly evolving field are also highly valued. By bringing together diverse perspectives, this Special Issue seeks to advance our understanding of the interplay between membrane integrity and cellular communication, offering insights that may inform therapeutic interventions targeting membrane-associated processes.

Guest Editor

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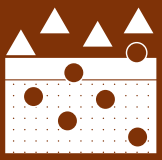

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About the Journal

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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