Special Issue

Biomolecular Interactions with Cell and Model Membranes: Integrating Biophysical Experiments and Computational Simulations

Message from the Guest Editors

This Special Issue aims to collect original research and review articles that explore biomolecular interactions with biological and model membranes, such as cell membranes, micelles, monolayers, lipid bilayers, and liposomes (SUVs, LUVs, MLVs, GUVs), using a wide array of biophysical and computational methodologies. We especially encourage submissions employing techniques such as electron paramagnetic resonance (EPR), solution-state and solid-state nuclear magnetic resonance (NMR), circular dichroism (CD), steady-state and time-resolved fluorescence spectroscopy, Fourier-transform infrared spectroscopy (FTIR), differential scanning calorimetry (DSC), isothermal titration calorimetry (ITC), dynamic light scattering (DLS), Langmuir monolayers, atomic force microscopy (AFM), small-angle X-ray scattering (SAXS), and molecular dynamics (MD) simulations. Studies that integrate multiple experimental and/or computational approaches to reveal the structural, thermodynamic, or dynamic aspects of membrane-associated phenomena are of particular interest.

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Deadline for manuscript submissions

31 July 2026

Membranes

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/241915

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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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