



Artificial Models of Biological Membranes

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Message from the Guest Editor

Artificial membranes are used extensively as models that mimic cell membranes. In this research area a great deal of evidence suggests positive functions of high membrane cholesterol levels in some membranes (eye lens) while as proposed by others, serve as a sign of pathology in other membranes (e.g. atherosclerosis). Improvement of methodology for formation of model membrane bilayers, especially of these with high cholesterol content is desirable and significant.

This Special Issue aims to provide improved protocols for preparations of artificial membranes that can be used as better models for studying structure, dynamics and properties of biological membranes using different fluorescent and microscopy methods, electron paramagnetic or nuclear magnetic resonance, calorimetry, x-ray diffraction etc.





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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 access journal 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.

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