Special Issue

Electrical Properties of Model Lipid Membranes

Message from the Guest Editor

Biological membranes are crucial elements of the living systems, and processes occurring with their participation are related mainly to electric phenomena such as transfer of signals, existence of membrane potentials, and transport through the membrane. It has been evident that the lipid bilayer which forms the environment for integral and surface membrane proteins is commonly known as the universal model of the cell-membrane structure. Thus, a great deal of attention has shifted towards the investigation of the organization and properties of these structures concerning both experimental and theoretical aspects. Investigation of the electrochemical properties of model lipid membranes has been carried out over a number of years. However, there is a broad spectrum of issues that have not been subjected to experimental verification and for which the existing results are incomplete or inconsistent. Therefore, the main focus of this forthcoming Special Issue is to present a comprehensive overview of the field by assembling state-of-the-art research articles and reviews on electrical properties of model lipid membranes.

Guest Editor

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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

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