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Biological Membranes as Targets for Natural and Synthetic Compounds—Second Edition

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Message from the Guest Editor

Biological membranes are responsible for several types of regulation and compound transfer processes, as well as information flow between and within eukaryotic and prokaryotic cells. Plasma membrane is also involved in both the generation and receipt of chemical and electrical signals; cell adhesion, which is responsible for tissue or biofilm information; and cell locomotion, metabolism, and reproduction. Internal membranes have similar properties that are often actively involved in organelle functions. In this context, membranes play a key role in maintaining cell integrity, and their involvement in cellular function makes these regions of cells potential targets for bioactive compounds with therapeutic potential.

The second edition of this Special Issue is also devoted to state-of-the-art research on topics concerning the discovery and development of natural and synthetic compounds that act on biological membranes, including their lipid, protein, and carbohydrate components. This covers all the aspects associated with the isolation of natural products, synthesis of compounds and bioassays that elucidate a mode action on membranes, and their components.

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Message from the Editor-in-Chief

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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.

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