



Biological Membranes as Targets for Natural and Synthetic Compounds

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Message from the Guest Editor

Biological membranes are responsible for all types of regulation and compound transfer 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, cell locomotion, biochemical reactions, and cell reproduction. Internal membranes have similar properties and, in addition, 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. This Special Issue is 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 to the isolation of natural products, synthesis of compounds and bioassays that elucidate a mode action on membrane, and their components.





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Message from the Editor-in-Chief

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