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## Latest Advances in Biological Membranes

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Deadline for manuscript submissions:

**closed (30 April 2024)**

### Message from the Guest Editors

Compared to other biological macromolecular structures, our knowledge, interest, and awareness of membranes' complexity have slowly grown. Currently, the biological model of membranes has been enriched and perfected in its knowledge, thanks to studies where the structural lipid variability, the consideration of microdomains, and the functionality given in the study of different phases generated or segregated by different stimuli, among other new observations, have been taken into account. Structural variability provides versatility both in the interphase region and in the hydrophobic core of the membranes, and it is in both substructures where its modulation manifests substantial changes in the interaction with proteins, biomolecules, or bioeffectors.

This Special Issue aims to show the advances in this new model of biological membrane through works that provide results on the functionality of structural lipid variability, the modulation of phase segregation, and the different stimuli that allow us to demonstrate the functional complexity of biological membranes.



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# Special Issue



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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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