

Special Issue

Biochemistry and Biophysics of Archaea Membranes

Message from the Guest Editors

Dear colleagues, Archaea are a domain of life that is distinctly different from bacteria and eukarya, with the most noticeable difference lying in their cell membrane. In recent years, there is an increase in archaeosome usage for gene and drug delivery. As such, it is timely to compile a Special Issue to report or review the new findings on archaea membrane.

The topics to be covered in this Special Issue entitled “Biochemistry and Biophysics of Archaea Membranes” include but are not limited to the following:

- The structural characterization of newly found native or newly synthesized archaeal lipids;
- Lipidomics or proteomics of archaea membranes;
- The structure (including protein folding and trafficking) and function of archaea membrane proteins;
- The dynamics and organization of archaea membranes;
- Archaea membrane adaptation to environmental stress;
- Studies on microvesicles released from archaea;
- Computer simulations of archaea membranes;
- The use of archaeosomes and archaea lipid planar membranes for technology applications.

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Deadline for manuscript submissions

closed (30 April 2020)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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