



an Open Access Journal by MDPI

Membranes and Ion Channels

Guest Editor:

Dr. Serdar Kuyucak

Faculty of Science, The University
of Sydney, New South Wales
2006, Australia

Deadline for manuscript
submissions:

closed (31 December 2015)

Message from the Guest Editor

Dear Colleagues,

Ion channels are transmembrane proteins that allow passive diffusion of selected ions when they open due to a change in the membrane voltage or binding of ligands. Membrane molecules are not just scaffolds for housing the channel proteins, they also play important roles in their structure and function. However, due to the subtlety of the membrane-ion channel interactions, quantifying the role of the membrane molecules and their composition in regulating the function of ion channels has been a difficult issue. Recent developments in experimental and computational methods have enabled further progress in the field, which is the focus of this Special Issue. Both original contributions and reviews on recent progress in membrane-ion channel interactions will be considered in the Special Issue.

Dr. Serdar Kuyucak
Guest Editor



mdpi.com/si/5137

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Spas D. Kolev

School of Chemistry, The
University of Melbourne,
Melbourne, VIC 3010, Australia

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Chemistry, Physical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Membranes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/membranes
membranes@mdpi.com
[X@Membranes_MDPI](https://x.com/Membranes_MDPI)