

Special Issue

Aquaporins: Water Channels Essential for Living Organisms

Message from the Guest Editor

Water is essential for life. The discovery of water channels, also called aquaporins, provided the molecular explanation for the existence of facilitated passive transmembrane water transport. Aquaporins are characterized by a highly conserved structure, especially in the vicinity of the water pore. Aquaporins are present in all living organisms, including vertebrates, invertebrates, microorganisms and plants, and are involved in many living processes, and in diseases. This Special Issue of the *International Journal of Molecular Sciences*, "Aquaporins: Water Channels Essential For Living Organisms" will focus on the function of aquaporins across all living organisms, including their potential utility in medicine. Authors are invited to submit their contributions that will meet the focus of this Special Issue.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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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