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Membranes for Resource Recovery in Bioelectrochemical Systems

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Message from the Guest Editors

Bioelectrochemical systems (BESs) are versatile technologies that are emerging as candidates for the recovery of multiple resources from wastes and wastewaters and that reveal a key role in biorefinery processes and circular economy. BESs can recover high value-added products, nutrients, biofuels, energy, or water, generally using a membrane to separate the anode and cathode chamber. Membranes are essential for improving microbial metabolism on the anode and the recovery of products on the cathode. The development of multi-chamber BES with the combination of different types of membranes expands the number of possible applications for resource recovery.

The Special Issue seeks contributions to assess the state-of-the-art and future developments in the field of membranes application in bioelectrochemical systems for energy and products recovery from wastewaters, such as bipolar, proton, ion or non-ion-exchange membranes or their combination with hydrophobic membranes for gas transference.

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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 accessjournal 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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