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Advances in Electromembrane Processes for Resource Recovery

Guest Editors:

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Deadline for manuscript
submissions:

closed (15 July 2022)

Message from the Guest Editors

Dear Colleagues,

Electromembrane processes, which are based on the use of ion-exchange membranes placed in the electric field, can be used either directly for obtaining materials from waste, or as a part of integrated or hybrid systems designed for resource recovery.

This Special Issue of *Membranes*, with the theme “Advances in electromembrane processes for resource recovery”, aims at publishing the latest advances in the application of electromembrane processes in resource recovery. The topics may include, but are not limited to:

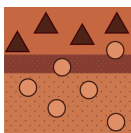
- Application of electrodialysis in recovery of minerals from saline waste waters;
- Recovery of specific ions by selective membrane capacitive deionization;
- Application of electromembrane processes in recovering heavy metals in the electroplating industry;
- Recovery of organic acids and bases using bipolar membranes.

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Prof. Dr. Marian Turek
Dr. Mònica Reig
Dr. Xanel Vecino
Guest Editors



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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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