Special Issue

Membrane Chromatography for Biomolecules Purification

Message from the Guest Editor

Adsorptive membranes play an important role in the purification of proteins and biomolecules such as viruses, viral vectors, plasmid DNA, extracellular vesicles, and many others. However, because of the limited binding capacity of the membrane support materials, the industrial application of membrane chromatography was not successful. Nowadays, the need to recover valuable biomolecules combined with the discovery of novel and improved membrane materials has fostered an important research effort in this area. This themed issue aims to collect key contributions to the field and give an overview of novel adsorptive membranes with improved properties and functionalities, new applications, and more efficient module design and mathematical modelling, addressing both fundamental aspects and applied research.

Keywords

- Membrane chromatography
- Membrane adsorbers
- Affinity
- Ion exchange
- Hydrophobic interactions
- Biomolecules
- Proteins
- Antibodies
- Surface modification
- Mathematical modelling

Guest Editor

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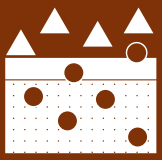

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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