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## Membrane Chromatography for Biomolecules Purification

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### 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



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## Message from the Editor-in-Chief

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