



Membrane Processes for the Purification of Biopharmaceuticals

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Message from the Guest Editor

Membranes have important uses in the downstream purification of biotherapeutics (i.e., monoclonal antibodies and fusion proteins) for initial clarification, sterile filtration, virus removal, product concentration, and formulation. These membrane processes are operated in either normal-flow filtration (NFF) or tangential-flow filtration (TFF) modes as needed. In the significantly increased market of biopharmaceuticals with the recent development of biosimilar and biobetter products, membranes play a key role in these purification processes.

This Special Issue on “Membrane Processes for the Purification of Biopharmaceuticals” of *Membranes* seeks contributions to assess the state-of-art technologies and future developments for continuous downstream processes in the field of membrane bioseparation, including but not limited to sterile filter, virus filter, and ultrafiltration (UF)/diafiltration (DF) processes.

Keywords

- biotherapeutics
- sterile filter
- virus filter
- ultrafiltration (UF)
- diafiltration (DF)
- microfiltration (MF)





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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).

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