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Functionalized and Composite Polymeric Membranes for Biomedical Applications

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Deadline for manuscript submissions:

closed (15 November 2020)

Message from the Guest Editor

Dear Colleagues,

As a result of membranes' main role as separation functional materials, these materials attracted researchers within the biomedical field. Starting with Prof. Georg Haas, who was the pioneer of hemodialysis experiments, more and more applications have been developed, such as artificial oxygenators and drug delivery systems. The aim of this Special Issue is to deliver new insights into recent advances in membrane applications within the biomedical field. We look forward to receiving submissions describing original research or focused reviews related to the design, materials, synthesis methods, characterization, and process developments of polymeric membranes. This can include:

- - Functionalized membranes for biomedical field;
- - Composite membranes for biomedical field;
- - Biomimetic membranes;
- - Membranes for hemodialysis;
- - Membranes for osseointegration;
- - Cytotoxicity evaluation of membranes;
- - Membranes for pharmaceutical processes and industry;
- - Membranes for artificial livers or lungs;
- - Drug delivery with membranes.

Prof. Dr. Stefan Ioan Voicu

Guest Editor



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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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