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Biopolymers from Renewable Resources as Materials for Membrane Synthesis

Guest Editors:

Dr. Roxana Gabriela Zgârian

Departamentul de General
Chemistry, Faculty of Chemical
Engineering and Biotechnologies,
University Politehnica of
Bucharest, Bucuresti, Romania

Dr. Grațiela Teodora Tihan

Departamentul de General
Chemistry, Faculty of Chemical
Engineering and Biotechnologies,
University Politehnica of
Bucharest, 011061 Bucharest,
Romania

Deadline for manuscript
submissions:

closed (6 November 2023)

Message from the Guest Editors

This Special Issue on “**Biopolymers from renewable resources as materials for membrane synthesis**” is dedicated to collecting the most relevant research on biopolymers used in the synthesis of membranes with high-potential applications. Derived from renewable resources, natural polymers such as collagen, chitin, chitosan, alginate or a combination of them are important candidates in tissue engineering, regenerative medicine, water treatment or packaging, having at the same time a positive effect on the reduction in environmental pollution. The investigation of new methods to extract biopolymers, especially from biowaste or raw materials, is important for introducing cost-effective technologies of membranes synthesis.

Both original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: Biopolymer isolation and characterization for membrane synthesis; Biopolymer-based membranes for tissue engineering; Natural renewable resources for membrane synthesis; environmental protection; The combination of different natural polymers in the form of membranes for water treatment; Biomembranes for food packaging.



mdpi.com/si/171831

Special Issue



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Editor-in-Chief

Prof. Dr. Spas D. Kolev

School of Chemistry, The
University of Melbourne,
Melbourne, VIC 3010, Australia

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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Contact Us

Membranes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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