

## Special Issue

# Membranes for Tissue Engineering

### Message from the Guest Editors

In recent decades, guided bone regeneration (GBR) procedures have been commonly introduced for regeneration bone defects due to pathologic lesions or to augment alveolar bone for dental implant treatment. It has been revealed that the role of barrier membranes is crucial for proper bone repair during the GBR procedure. Additionally, the indications for GBR membranes have increased over the last few years. GBR membranes have also been used for indications such as mandibular molar extraction or periodontal flap surgery. In this Special Issue, we want to focus on recent achievements in the field and invite you to submit reviews and original research papers further advancing our knowledge of the function of different membrane types and new membrane developments by ex vivo, in vitro, and/or in vivo investigations. **Keywords**

- New material/membrane developments
- (Non-)resorbable barrier membranes
- Collagen membranes
- Resorption mechanisms of collagen membranes
- Immune responses to GBR membranes
- Transmembraneous vascularization/nutrition
- Membrane integration/degradation
- Cytocompatibility
- Biocompatibility

---

### Guest Editors

Dr. Mike Barbeck

Dr. Oliver Gorke

Dr. Ole Jung

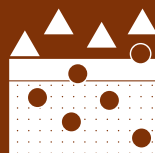
Dr. Sanja Stojanović

Dr. Xin Xiong

---

### Deadline for manuscript submissions

closed (20 June 2022)



## Membranes

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 7.9  
Indexed in PubMed



[mdpi.com/si/59753](https://mdpi.com/si/59753)

*Membranes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[membranes@mdpi.com](mailto:membranes@mdpi.com)

[mdpi.com/journal/  
membranes](https://mdpi.com/journal/membranes)





# Membranes

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 7.9  
Indexed in PubMed



[mdpi.com/journal/  
membranes](https://mdpi.com/journal/membranes)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Spas D. Kolev  
School of Chemistry, The University of Melbourne, Melbourne, VIC  
3010, Australia

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Polymer Science) / CiteScore - Q1 (Chemical Engineering (miscellaneous))