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Advances in Artificial and Biological Membranes: Mechanisms of Ionic Sensitivity, Ion-Sensor Designs and Applications for Ions Measurement

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Message from the Guest Editors

The heart of the ion-sensors is always the same: a membrane that is able to develop the ion-response due to selective, fast, and reversible ion-exchange at the sample-membrane interface. The membrane can be artificial or biological.

The aim of this Special Issue is to present novel waves and to show the progress that has been made recently in ion-sensor technology. All aspects that contribute to successful advancements of the design, understanding, and application of ion-sensors are of interest. I look forward to receiving your contributions. The submission site is ready to receive your contributions to sensors science.

Keywords

- Ion-sensor architectures
- Membranes and electroactive materials for ion-sensors
- New fabrication schemes
- Response interpretation and modeling
- New applications: wearable, disposable, remotely controlled ion-sensors
- Routine ion-sensors application



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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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