

Nanomaterials-Based Membrane Sensors

Guest Editor:

Dr. Beata Paczosa-Bator

Faculty of Materials Science and
Ceramics, AGH University of
Science and Technology, al.
Mickiewicza 30, 30-059 Cracow,
Poland

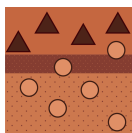
Deadline for manuscript
submissions:

closed (20 January 2024)

Message from the Guest Editor

Electrochemical sensors made using nanomaterials are recently emerging as the most popular type of sensors. These sensors have attracted a great deal of attention in chemical, pharmaceutical and biological studies due to their high sensitivity, simplicity and reliability. By using nanomaterials, it has become possible to develop and manufacture membrane-based sensors on a very small scale, allowing measurements to be made using a contact method in a very small amount of solution. As a rule, such sensors can be easily miniaturized, are flexible and have various shapes. Nanomaterial-based sensors are essential to current advances in analytical sciences, which are leading to the production of complete maintenance-free, durable and reliable ion sensors. This Special Issue, entitled “Nanomaterials-Based Membrane Sensors”, aims to highlight state-of-the-art developments in the field of potentiometric and voltametric sensors, involving both the design and application of sensors in various analytical tasks (e.g., environmental control, food analysis, agriculture, pharmaceuticals and medical applications).





an Open Access Journal by MDPI

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.

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 - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Membranes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/membranes
membranes@mdpi.com
X@Membranes_MDPI