



Membrane-Based Solutions for Industrial and Environmental Clean-Up

Guest Editor:

Dr. Maria Inês Gameiro de Sá Almeida

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

Deadline for manuscript submissions:

closed (30 June 2022)

Message from the Guest Editor

Dear Colleagues,

Conventional separation techniques, such as precipitation, adsorption, and ion exchange, are commonly used for the treatment of wastewaters. However, such techniques are often cost-ineffective or environmentally unfriendly, and new solutions are thus required. Membrane-based technologies have been shown to provide a viable alternative to conventional methods while overcoming their limitations.

This Special Issue aims to provide a comprehensive overview of novel membrane-based solutions recently developed for the clean-up of waters contaminated by industrial, agricultural or domestic activities by removing or separating chemical species/pollutants, so that they can be either reused or disposed of safely into the environment. All types of membranes, namely, porous/nonporous, liquid/solid/semisolid, polymeric/ceramic, hydrophilic/hydrophobic or flat sheet/hollow-fiber membranes, are of interest to this Special Issue, provided that their application consists of a new, effective, low-cost, low-energy consumption, and/or eco-friendly solution for the chemical clean-up of contaminated waters.

Dr. Maria Inês Gameiro de Sá Almeida

Guest Editor





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