



New Trends in Membrane Preparation and Applications

Guest Editors:

Dr. Alberto Figoli

Institute on Membrane
Technology, National Research
Council, ITM-CNR, 87036
Arcavacata di Rende, Italy

Dr. Francesco Galiano

Institute on Membrane
Technology, National research
Council, ITM-CNR, via P. Bucci,
17/C, 87036 Rende, Cosenza, Italy

Deadline for manuscript
submissions:

closed (31 October 2019)

Message from the Guest Editors

Dear Colleagues,

Today, membranes represent a very well-established technology in desalination, biomedical applications and wastewater treatment, recovery of added value products by fractionation and concentrations applications, and in gas and vapor separation.

In this Special Issue, researchers are invited to contribute original research papers, as well as review articles, related to the preparation, characterization, and application of polymeric, mixed matrix, and inorganic membranes, in both flat and hollow-fiber configuration. We are particularly interested in articles focusing on innovative aspects in the preparation and application of membranes with tailored and unique features. Potential topics include, but are not limited to:

- Advanced membrane preparation techniques;
- Membrane functionalization and application;
- Sustainability in membrane preparation;
- Study of the effect of operating conditions and process parameters on membrane morphology and performance;
- Application of high performing membranes in selected membrane processes.

Dr. Alberto Figoli

Dr. Francesco Galiano

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

Contact Us

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

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/X@Molecules_MDPI)