



Applications of Metal–Organic Frameworks for Gas Adsorption and Permeation

Guest Editors:

Dr. Isabel A.A.C. Esteves

LAQV-REQUIMTE, Departamento de Química, Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa, 2829-516 Caparica, Portugal

Dr. Luisa A. Neves

LAQV/REQUIMTE, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, 2829-516 Caparica, Portugal

Deadline for manuscript submissions:
closed (15 August 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue on “Applications of Metal–Organic Frameworks for Gas Adsorption and Permeation” is aimed at promoting research and progress in the field of metal–organic frameworks (MOFs) applied to gas separation, specifically in adsorption and membrane processes applications.

This Special Issue will be focusing on:

1. Fundamentals on design strategies, synthesis, characterization, and modeling;
2. MOF-based adsorbents;
3. MOF-based membranes;
4. MOFs supporting ionic liquids (ILs@MOFs);
5. Applications on gas separation.

An up-to-date picture of recent advances and breakthroughs in these areas, both fundamental, including modeling and experiments, and applied in the relevant technical fields, are most welcome either as original research papers, communication or as reviews.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. 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, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)