



## 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.





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## 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

*Processes* (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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

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