

## Special Issue

# Ionic Liquids for Carbon Dioxide Capture

### Message from the Guest Editors

This Special Issue invites researchers and industrial developers to publish work related to the adsorption, capture and separation of CO<sub>2</sub>, including direct air capture (DAC). Emphasis will be on industrial CO<sub>2</sub> sources and real-life systems. Submissions are welcome on topics including, but not limited to, the following: 1 Development of new task-specific ionic liquids; 2 Application of ionic liquids in industrial/pilot plants; 3 Supported ionic liquids/polymeric ionic liquids as absorbent materials; 4 Supported ionic liquid membranes; 5 New theoretical models of industrial plants using ionic liquids.

---

### Guest Editors

Dr. Boyan Iliev

IOLITEC Ionic Liquids Technologies GmbH, Im Zukunftspark 9, 74076 Heilbronn, Germany

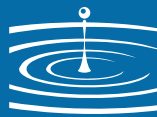
Dr. Sergio Bocchini

Department of Applied Science and Technology, Politecnico di Torino, C.so Duca Degli Abruzzi 24, 10129 Torino, Italy

---

### Deadline for manuscript submissions

closed (30 November 2023)



## Liquids

---

an Open Access Journal  
by MDPI

---

CiteScore 2.9  
Tracked for Impact Factor



[mdpi.com/si/146702](https://mdpi.com/si/146702)

*Liquids*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[liquids@mdpi.com](mailto:liquids@mdpi.com)

[mdpi.com/journal/  
liquids](https://mdpi.com/journal/liquids)





# Liquids

---

an Open Access Journal  
by MDPI

---

CiteScore 2.9  
Tracked for Impact Factor



[mdpi.com/journal/  
liquids](https://mdpi.com/journal/liquids)



## About the Journal

### Message from the Editor-in-Chief

*Liquids* represent a rich and interdisciplinary field of research that encompasses the theory of liquid state in physics, a large part of synthetic and analytical chemistry, an overwhelming fraction of biology, fluid dynamics in engineering and meteorology. Since the second half of the past century, the discovery of new spectroscopies and the advent of computational simulations have allowed an unprecedented number of researchers to undertake the study of liquid systems and to provide an uncountable number of societally impacting discoveries. With this journal, we intend to provide a place for a rapid publication of your research, a rigorous peer-review process and we look forward to receiving your submissions.

---

### Editor-in-Chief

Prof. Dr. Enrico Bodo

Chemistry Department, University of Rome "La Sapienza", Piazzale Aldo Moro 5, 00185 Rome, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within ESCI (Web of Science), Scopus, AGRIS, and other databases.

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 35.3 days after submission; acceptance to publication is undertaken in 4.3 days (median values for papers published in this journal in the second half of 2025).