



Ionic Liquids for Carbon Dioxide Capture

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Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editors

This Special Issue invites researchers and industrial developers to publish work related to the adsorption, capture and separation of CO₂, including direct air capture (DAC). Emphasis will be on industrial CO₂ 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.





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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.

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Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 34.9 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2025).

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