



## Advances in Carbon Capture and Utilization

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Deadline for manuscript submissions:

**closed (15 January 2024)**

### Message from the Guest Editors

Excessive carbon dioxide (CO<sub>2</sub>) emissions are of global concern as they are among the main contributors to climate change, and global trends of CO<sub>2</sub> emissions show annual growth, which is then naturally followed by an annual increase in the average temperature. The most sustainable strategies to limit these CO<sub>2</sub> emissions are carbon capture and storage (CCS) and, where possible, subsequent CO<sub>2</sub> utilization. So far, various CO<sub>2</sub> binding solutions and a wide range of materials have been proposed in the scientific literature, but effective, environmentally friendly, economically viable, and feasible technologies and materials are still being sought.

This Special Issue on “Advances in Carbon Capture and Utilization” aims to present and disseminate advances related to the most recent technologies, materials, understanding, and application possibilities regarding challenges related to carbon capture and utilization.

Topics of interest for publication include but are not limited to:

- Studies on carbon dioxide capture and sequestration;
- Studies on carbon dioxide utilization;
- Materials for carbon capture.





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## Message from the Editor-in-Chief

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