



Advances in Carbon Capture and Storage (CCS) Deployment

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Message from the Guest Editor

Dear Colleagues,

CCS is a critical technology and is instrumental in all realistic future scenarios aiming to curb global warming. In the EU alone, it is estimated that without CCS, the cost of reaching its CO₂ reduction target for power would increase by at least €1.2 trillion, while its target for industry would simply not be achievable without CCS. For many industrial sectors, CCS is the only means of achieving deep emission cuts, while maintaining a competitive economy. Despite progress in the number of large-scale, integrated CCS projects across the globe, the development of CCS at a significant scale has yet to begin. CCS deployment needs to be accelerated and supported by targeted research to increase the number of large-scale CCS projects required to meet climate targets.

This Special Issue aims to present current advances on:

- CO₂ capture
- Integrated CCS
- CO₂ transport and storage.





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Message from the Editor-in-Chief

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