

## Special Issue

# Sustainability Perspectives in Carbon Capture and Enhanced Gas Utilization

### Message from the Guest Editors

This Special Issue on "Sustainability Perspectives in Carbon Capture and Enhanced Gas Utilization" delves into the vital role of carbon capture, utilization, and storage (CCUS) technologies in promoting global sustainability, particularly in relation to Sustainable Development Goals (SDGs). As carbon emissions approach 37 gigatons annually, effective CCUS strategies are essential for achieving SDG 13 (Climate Action) by significantly reducing greenhouse gas emissions in alignment with the global Net-Zero Emissions strategy by 2050. This Special Issue aims to drive sustainable solutions that address immediate environmental challenges while contributing to long-term ecological balance and resilience across multiple SDGs, particularly those related to energy access and sustainable infrastructure. We welcome submissions on topics including but not limited to:

- carbon capture
- carbon utilization
- greenhouse gas mitigation
- circular carbon economy
- sustainable energy solutions
- climate change mitigation

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### Guest Editors

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### Deadline for manuscript submissions

30 November 2025



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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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### Editor-in-Chief

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