

Special Issue

Greenhouse Gas Control Strategies for Climate Protection

Message from the Guest Editors

Greenhouse gas (GHG) emissions remain the primary driver of climate change. This Special Issue aims to provide an interdisciplinary forum for cutting-edge research that evaluates effective control and mitigation strategies in real-world systems. We welcome original research and review articles that address both methodological innovations and actionable mitigation pathways, spanning atmospheric observations, modeling, emission inventories, and sectoral decarbonization solutions.

Scope (including, but not limited to, the following):

- GHG monitoring and measurement technologies, uncertainty analysis, and MRV frameworks.
- Emission accounting methods and inventories, source apportionment, and verification approaches.
- Control and mitigation strategies for CO₂/CH₄/N₂O and other climate-relevant gases, including technology and management interventions.
- Life cycle assessment (LCA) and system-level evaluation of low-carbon technologies and mitigation measures.
- Sector-focused studies and cross-sector integration toward carbon neutrality.
- Case studies, policy-relevant analyses, and scalable strategies supporting carbon-neutral transitions.

Guest Editors

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Message from the Editor-in-Chief

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

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