

Special Issue

Sustainable Solutions for Carbon Dioxide Emissions Mitigation through Utilization Schemes

Message from the Guest Editors

The SI aims to gather various potentially viable and feasible CO₂ mitigation, i.e., carbon capture and utilization schemes that contribute to the environmental and financial sustainability of industries currently labelled as a “pollutant”. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: Carbon capture options in various industries and related challenges, chemical and physical CCU, co-optimizing, and the LCA of CO₂ EOR/EGR/ECBM, enhanced geothermal systems with possible combinations of energy storage and permanent CO₂ storage, the technological and economic potential of other CO₂ utilization options (CO₂ methanation, CO₂ to methanol, biofuels from algae, BECCS, carbonation – primarily in waste-to-energy plants, food freezing, beverages carbonation, and polymer production), and issues such as legal framework related to CO₂, national CO₂ markets, and public communication and acceptance.

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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. *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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