

Special Issue

Renewable Energy and Environment Protection: Greenhouse Gas Emissions, Liquid Fuels from Carbon Dioxide, and Biofuels

Message from the Guest Editors

The overall focus of this issue is to document the recent progress achieved in renewable energy research and in environment protection. **Scope:** The issue covers a wide range of topics, including energy optimization in industrial processes, the development of innovative technologies, such as DAC, green hydrogen production, and the integration of AI in energy systems. It also explores the implications of these technologies for reducing carbon footprints and promoting environmental sustainability. **Purpose:** The purpose of this Special Issue is to provide a comprehensive overview of the latest technological and strategic developments in the field of renewable energy. By linking these advancements with global efforts in environmental protection, the issue aims to foster a deeper understanding of the critical role that these technologies play in the global transition toward a cleaner, more sustainable energy landscape.

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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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