

Special Issue

Research Progress on Greenhouse Gas Emission Trends and Mitigation Measures

Message from the Guest Editor

Greenhouse gas emissions represent a major challenge for humanity due to possible consequences for the planet's climate balance. Scientific research evolves with each passing day, increasing the degree of certainty of knowledge. There are many possibilities for mitigating emissions that involve regulatory aspects negotiated at the Climate Conference based on their respective agreements. Mitigation measures go far beyond regulatory aspects as there is a great possibility of extending the measures. Geoengineering solutions, carbon credit trading markets, and technical cooperation between parties are increasingly promoting greater options to achieve possible goals. What technological and policy solutions are available to reduce greenhouse gas emissions and mitigate the effects of climate change? This is the challenge we set out to bring together in this Special Issue, which will showcase the best practices in measures to reduce global emissions. We invite experts to publish articles in this Special Issue: Research Progress on Greenhouse Gas Emission Trends and Mitigation Measures.

Guest Editor

Dr. Marco Aurelio dos Santos

Research Productivity Scholarship from CNPq—National Council of Science, and Energy Planning Program, Federal University of Rio de Janeiro, Rio de Janeiro 21941-901, Brazil

Deadline for manuscript submissions

closed (30 April 2025)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/185682

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/

appls





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)