Special Issue

Cutting Carbon Pollution: Focus on Industrial and Transportation Sectors

Message from the Guest Editors

Industrial and population growth has led to a tremendous increase in human activities, consequently leading to a high demand for energy. The utilization of energy, especially fossil fuels, leads to the production of oxides of carbon as by-products, among other greenhouse gases. These gases are a major threat to the atmosphere. Considering your expertise in combating the challenges posed by carbon pollution, you are invited to submit an article for consideration in a Special Issue of *Atmosphere*. The Special Issue will focus on industrial and transportation carbon pollution. Topics of interest include, but are not limited to:

- Carbon capture and sequestration;
- Environmentally friendly processes;
- Synthesis of adsorbents applicable to carbon pollution;
- Application of lifecycle assessments;
- Model frameworks to assess emissions.

Guest Editors

Dr. Oludolapo Akanni Olanrewaju

Department of Industrial Engineering, Durban University of Technology, Durban, South Africa

Dr. Yusuf M. Isa

School of Chemical and Metallurgical Engineering, University of the Witwatersrand, Johannesburg P.O. Box 2050, South Africa

Deadline for manuscript submissions

closed (31 October 2022)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/114961

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

mdpi.com/journal/atmosphere

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/journal/atmosphere

About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

Dr. Daniele Contini
Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, 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, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

Journal Rank:

CiteScore - Q2 (Environmental Science (miscellaneous))

MDPI