

Special Issue

Developments and Applications of Scrubbers and Auxiliary Facilities for Air Pollution Control

Message from the Guest Editors

The aim of this Special Issue is to publish innovative research that will form a remarkable contribution to promoting theories and technologies related to scrubbers and auxiliary facilities. Original results from experimental investigations, theoretical discussions, technical innovations, process simulations, and review papers are all welcome contributions. Topics of interest for this Special Issue on “Developments and Applications of Scrubbers and Auxiliary Facilities for Air Pollution Control” include, but are not limited to, the following: Migration and purification mechanisms of pollutants in scrubbers, such as dust, nitrate, sulfate, ammonium, formaldehyde, and hydrogen sulfide; Numerical simulation of multiphase flow process in scrubbers; Structure and technological innovation of scrubbers; Exploration of digital, information, and intelligent improvements in scrubbers; Innovative application of scrubbers in unconventional areas; Auxiliary facilities of scrubbers, such as exhaust hoods, ventilation pipes, and wastewater treatments; Potential value evaluation and application prospect of scrubbers.

Guest Editors

Prof. Dr. Xiaochuan Li

School of Chemical Engineering and Technology, China University of Mining and Technology, Xuzhou 221116, China

Prof. Dr. Gang Zhou

College of Safety and Environmental Engineering, Shandong University of Science and Technology, Qingdao 266590, China

Deadline for manuscript submissions

closed (15 November 2022)



Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



mdpi.com/si/102538

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

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





Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



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