Special Issue

Interactions Between Indoor Environmental Quality, Occupant Behaviour, and Building Performance Under a Changing Climate

Message from the Guest Editors

Indoor environments play a key role in supporting occupants' thermal comfort, health, satisfaction, and productivity. While reducing energy use and environmental impact remains a priority in the building sector, ensuring a comfortable and healthy indoor environment presents ongoing challenges. These challenges are increasingly intensified by changing patterns in building use, emerging energy technologies, evolving occupant preferences, and the impacts of climate change, highlighting the need for integrated approaches to building design, operation, and evaluation. Although technological advancements and improved environmental monitoring have significantly enhanced our understanding of the complex and interconnected dynamics of indoor environmental quality (IEQ), occupant behaviour, and building performance, these elements form a highly interdependent system that still requires further investigation. This Special Issue invites original research and methodological contributions that examine how these interrelated factors interact in the context of a changing climate.

Guest Editors

Dr. Sahar Zahiri

Prof. Dr. Hasim Altan

Prof. Dr. Jitka Mohelnikova

Deadline for manuscript submissions

31 January 2026

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/245360

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