Special Issue

Infrastructure Planning for Urban Climate Moderation

Message from the Guest Editors

Urban infrastructure is typically defined by colour; grey, green, or blue. **Grey** delineates the road, rail, energy, water, etc assets that power our cities. **Green** is generally seen as an intra-urban network of vegetation. **Blue** embraces new technologies integrated with existing systems to enhance urban water management. In today's ultra-connected world, information networks surely qualify as a 'colour' in their own right—transparent infrastructure, perhaps. Rapid urbanisation and the resulting growth in local urban heat island effects, the overarching global challenge of climate change, and the **interaction** between global and local, provides the backdrop to this Special Issue of *Atmosphere*. The fundamental factors around which research and practice on moderating urban climates coalesce are **urban form**, **water**, **vegetation** and **materials**. These factors are intimately tied to the infrastructure colours outlined above. This Special Issue aims to publish a cross-section of quality research that addresses how infrastructure planning can help to reduce urban overheating; contributions are invited!

Guest Editors

Dr. Paul Osmond

School of Built Environment, University of New South Wales, Sydney, NSW 2052, Australia

Dr. Sarath Mataraarachchi

Faculty of Built Environment, University of New South Wales, Sydney, NSW 2052, Australia

Deadline for manuscript submissions

closed (8 November 2019)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 5.4

mdpi.com/si/27806

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 5.4

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