Special Issue

Microclimate of the Heritage Buildings

Message from the Guest Editors

Heritage buildings with their furnishings and artworks are an important testimony of our past which must be enhanced and preserved for future generations.
With an inappropriate utilization/management of the built heritage and under an increasingly alarming climate change perspective, the study and monitoring of the microclimate is a fundamental activity to assess the conservation conditions of such buildings, as well as to carry out analyses aimed at improving current conditions and provide adaptation solution with respect to future projections.
In this framework, more research is necessary on novel methodologies, technologies and analyses aimed at preserving the built heritage. Some of the possible topics to be covered in the Special Issue are: Methodology and non-invasive instrumentation for microclimate monitoring; Climate-induced risk assessment for material conservation; Analysis through whole-building simulations; Assessments of thermal comfort within heritage buildings; Climate change effects on microclimate and possible adaptation solutions; Active and passive solutions/strategies for improving microclimate conditions; etc.

Guest Editors

Dr. Harold Enrique Huerto-Cardenas

Dr. Fabrizio Leonforte

Dr. Niccolò Aste

Deadline for manuscript submissions

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

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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

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