

## Bioclimatic Layers of Built Environment

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Deadline for manuscript  
submissions:

**closed (10 September 2023)**

### Message from the Guest Editor

This Special Issue of *Buildings* will help to unfold the “onion peels” of bioclimatic layers of the built environment. This might cover underground cities, cave, hill and mountain dwellings, basements, interior, semi-interior spaces, breathing walls, urban, peri-urban and rural landscapes, and urban and landscapes interventions and prototypes. Different built environment devices are cocreating specific climates and therefore specific habitats. For instance, breathing fences cool and humidify climates of courtyards of South Portugal. Various semi-interior spaces have offered habitats to a variety of species in Norway. Many recent urban interventions are supporting urban biodiversity, offering specific habitats with specific climates. Specific climates for plant species growth have been developed through a variety of agricultural interventions. This Special Issue welcomes submissions that cover more than the human perspective on the topic of relation of micro- and macroclimate and habitats within the built environment. We welcome synthesizing articles and historical and current case studies, as well as theoretical papers.



## Editor-in-Chief

### **Prof. Dr. David Arditi**

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## Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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