



Thermal Behavior and Energy Efficiency of Buildings

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Message from the Guest Editors

Dear Colleagues,

The shortage of non-renewable energy sources and the noticeable climate changes caused by greenhouse gas emissions are currently a major global concern that calls for the reduction of the energy consumption in buildings; the improvement of energy efficiency to guarantee thermal comfort expectations; the mitigation of environmental impacts; the search for alternatives to conventional materials, processes and systems; the need for innovation in construction technology; the improvement of the use of technologies based on renewables; the development of new design approaches; the widespread use of validated modeling tools and optimization approaches; and finally, the development of transdisciplinary engineering and multidisciplinary studies to evaluate the thermal performance and energy efficiency of buildings during their life span. This Special Issue calls for cutting edge papers covering some aspects of science and technology concerned with the whole life cycle of new and/or existing buildings, which contribute to a transition to a more sustainable built environment.





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Editor-in-Chief

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Message from the Editor-in-Chief

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