

Special Issue

Heat Transfer in Buildings

Message from the Guest Editors

Building energy consumption has reached approximately 30% of the global energy consumption, which is very large and creates a huge challenge to achieve a global plan of energy conservation and emission reduction or even carbon neutralization in the future. Accordingly, it is important to assess energy consumption in buildings for engineers, designers and businesses in the society of buildings. More than 50% of energy consumption in buildings is related to heating, cooling and ventilation, which are significantly affected by heat transfer in buildings. Further, understanding of heat transfer in buildings is of practical significance and is interesting for researchers.

The Special Issue is aimed at collecting high-level research on such fields as: heat transfer in buildings, convection, ventilation, flow visualization, measurement of thermal environment, assessment of thermal comfort, utilization of solar roofs, solar chimneys and energy components in buildings, and the role of BIPV and BAPV in energy consumption and emission reduction.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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