

## Special Issue

# Sustainability in Energy and Buildings: Future Perspectives and Challenges

### Message from the Guest Editors

In recent decades, the economy centred on the general reduction of energy consumption and CO<sub>2</sub> emissions, which has dictated important changes in every sector, especially in construction. Buildings are, in fact, one of the key consumers of energy, and a generally rising trend in energy use has been recorded in the last 20 years in many countries all over the world. Sustainability in the field of buildings and in energy production related to a building's life cycle is an urgent problem to tackle and one of the major key topics for the next decades. The sustainability covers a wide variety of engineering and architectural disciplines concerning theoretical research, fundamental studies, mathematical modeling, numerical simulations, and experimental investigations. This Special Issue intends to present the most interesting trends and strategies related to the sustainability in buildings and energy uses and production in buildings sector.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 August 2025)



## Applied Sciences

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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.

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### Editor-in-Chief

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