

## Special Issue

# Sustainable Buildings: Heating, Ventilation and Air-Conditioning

### Message from the Guest Editors

Building energy is a core component of cities and urban planning and has major social consequences, as well as climate change impacts. Buildings worldwide account for a surprisingly high 40% of global energy consumption, and the resulting carbon footprint, significantly due to the increasing use of heating, ventilation, and air-conditioning (HVAC). Research and review papers of systems and technologies aiming to improve energy performance, air quality, and comfort are welcomed. Topics that could be covered include, but are not limited to the following:

- Low-energy ventilation
- Passive cooling and strategies
- High-performance HVAC
- Water heating and cooling systems
- Heat pumps
- Thermal comfort and air quality
- Control and operation
- Hybrid HVAC systems
- Integration with renewables
- Fault detection and diagnosis of HVAC systems
- Intelligent approaches
- Measurement and simulation methods
- Modeling and optimization
- Case studies and innovative approaches

### Guest Editors

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### Deadline for manuscript submissions

closed (20 February 2022)



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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

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