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Sustainability of Phase Change Materials Used in Buildings

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Deadline for manuscript submissions: closed (26 October 2023)



Message from the Guest Editors

The aim of this Special Issue in the Sustainability Journal is to focus on the sustainability of the use of Phase Change Materials (PCMs) in buildings.

Research is needed to better understand the potential impacts of PCMs and to develop strategies for minimizing any negative impacts while maximizing the benefits of these materials. Furthermore, research is needed to develop more sustainable PCMs, and to improve production and manufacturing processes to minimize environmental impact. Research is also needed to develop methods for recycling and disposing of used PCMs in an environmentally responsible manner. Research is also needed to optimize the design and installation of PCMs in buildings. The potential papers in this issue can cover the above research needs with topics regarding PCMs using keywords and phrases, but not limited to, as given below.

- life-cycle assessment
- sustainable sourcing
- recycling and disposal
- consideration of sustainable design strategies in combination with PCMs
- monitoring and evaluation processes for continuous improvements
- materials selection
- building operation and maintenance
- adaptation of new material
- green certifications with PCMs



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Message from the Editor-in-Chief

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