

## Special Issue

# Building Materials for Sustainable Thermal and Acoustic Environments: Traditions, Innovations, and New Strategies

### Message from the Guest Editors

The growing interest in sustainable construction and design is redefining approaches to creating efficient thermal and acoustic building environments. This Special Issue seeks to investigate the integration of traditional practices with cutting-edge innovations in building materials. These materials aim to reduce the energy demand of buildings, addressing the need for efficient thermal insulation to reduce heating and cooling requirements, while also meeting sustainable acoustic requirements to enhance soundproofing and overall acoustic comfort within the built environment. We are pleased to invite you to contribute to this Special Issue by exploring the performance of these materials including, for example, dynamic simulations or experimental investigations. This Special Issue intends to showcase advances in the design and application of sustainable materials that balance both tradition and innovation, contributing to the construction of more energy-efficient and acoustically optimized buildings. All papers will undergo a rigorous peer-review process to ensure high-quality contributions to this field.

### Guest Editors

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### Deadline for manuscript submissions

11 October 2025



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### Editor-in-Chief

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