

## Special Issue

# Avoid, Shift, Improve: Building Sustainability Measures for Effective Climate Mitigation

### Message from the Guest Editors

The built environment is a major source of global energy demand, emissions, and material use. As systems grow more complex, integrated approaches to sustainability and climate mitigation are essential. This Special Issue promotes the **Avoid–Shift–Improve (A–S–I)** framework as a structured lens for reducing environmental impacts. The framework focuses on three strategies: **Avoiding** unnecessary construction and resource use, **Shifting** to low-impact materials and technologies, and **Improving** system efficiency through innovation. Together, these support deep decarbonization and resource efficiency across the full building life cycle. We invite original research and reviews that apply or expand the A–S–I framework, including studies on life-cycle impact assessment, mitigation potential at various scales, synergies and trade-offs between strategies, and system-level implications. Topics include sustainable building materials, occupant behavior, social housing resilience, renovation projects, and policy alignment (e.g., EPBD directive). Case studies demonstrating A–S–I implementation and its challenges are also encouraged.

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### Guest Editors

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### Deadline for manuscript submissions

30 September 2026



## Sustainability

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