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## Hygrothermal Design to Inform Durable and Sustainable Energy Efficient Buildings

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### Message from the Guest Editors

The building regulatory framework for each nation still ranges from a total ignorance of this issue, through to advanced industry-based guidelines for envelope design, construction, and hygrothermal simulation. Whether it be the vapor resistivity of construction materials, or external environmental inputs, or internal environmental inputs, many researchers are exploring the application of and differences between hygrothermal simulation methods.

Recognizing this international diversity in regulatory development, standards, and calculation methods used by each nation, and jurisdictions within each nation, this Special Issue thus intends to promote a comprehensive approach to the theme of hygrothermal simulation and its use to inform building design and building regulation, including topics such as:

- The vapor resistivity properties of construction materials;
- Climate data for hygrothermal simulation;
- Interior environmental conditions for hygrothermal simulation;
- Hygrothermal simulation studies to inform building standards and building regulation;
- Forensic hygrothermal studies of existing buildings;
- New developments in hygrothermal simulation algorithms.



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# Special Issue



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## Message from the Editor-in-Chief

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