



thermo

Indexed in:
Scopus

an Open Access Journal by MDPI

Advances in PCMs as Thermal Energy Storage in Energy Systems

Guest Editors:

Dr. Behzad Rismanchi

Department of Infrastructure
Engineering, Faculty of
Engineering and IT Engineering
Block C, Building 174, The
University of Melbourne,
Melbourne, VIC 3010, Australia

Seyedmostafa Mousavi

Department of Infrastructure
Engineering, Faculty of
Engineering and IT Engineering
Block C, Building 174, The
University of Melbourne,
Melbourne, VIC 3010, Australia

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

This Special Issue focuses on all aspects of PCM applications in buildings, in particular innovative PCMs, advances in modelling and analysis, and the design of PCM-based systems for building services and operations. Potential topics include, but are not limited to:

- Development of advanced PCM products for building applications;
- Design and integration of PCMs in building envelopes and/or services (HVAC, refrigeration, electricity supply, cold and hot water supply, façade design, etc.);
- Potential assessment of PCM storage systems in demand-side management strategies;
- Numerical modelling and experimental evaluation of PCM systems in buildings;
- Life cycle assessment, economic analysis, and safety evaluation of PCM storage systems in building applications.

You are welcome to submit your recent research studies or relevant state-of-the-art reviews on PCM applications in buildings. We look forward to your contribution.



mdpi.com/si/129388

Special Issue