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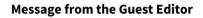
# New Advances in Thermal Energy Storage and Phase Change Materials

Guest Editor:

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Deadline for manuscript submissions: **26 June 2024** 



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We welcome contributions encompassing a wide range of topics within the scope of this Special Issue, including but not limited to the following:

- 1. Innovative PCM materials and formulations;
- 2. Advanced thermal energy storage systems;
- 3. PCM-enhanced applications in renewable energy;
- 4. Numerical modeling and simulation of PCM behavior;
- 5. Heat transfer and thermal performance analysis of PCM-based systems;
- 6. Sustainable and environmentally friendly thermal storage solutions;
- Integration of PCMs in building and HVAC technologies for flexibility in shedding and shifting building loads and improved thermal comfort of occupants;
- 8. Application of thermal energy systems in other heating and cooling systems;
- 9. Innovative control strategies for thermal energy storage and phase change materials;
- 10. Improvements in the temporal and spatial control of heat flows to optimize storage capacity use and reduce overall system costs.





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