

Special Issue

Applications of Nanofluids and Nano-PCMs in Heat Transfer

Message from the Guest Editor

The rapid advancements in heat transfer and thermal management in thermoelectric energy conversion are being driven by the utilization of nano-enhanced phase change materials and nanofluids. It is crucial to explore cutting-edge heat transfer and thermal management developments for thermoelectric energy conversion, leveraging nano-enhanced phase change materials and nanofluids. This Special Issue delves into applying nano-enhanced phase change materials to improve energy efficiency. It discusses how these materials can optimize heat transfer and thermal management in thermoelectric energy conversion systems. The subject also explores examples of nano-enhanced phase change materials and their impact on energy conversion technologies. The Issue will discuss how nanofluids can enhance heat transfer properties and contribute to more efficient thermal energy conversion. Additionally, it explores the characteristics of nanofluids that make them suitable for thermal management applications, as well as examining the potential challenges and benefits of utilizing nanofluids in heat transfer systems.

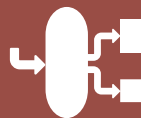
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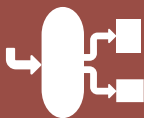


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