Special Issue

Thermal Energy Storage, Heat Transfer and Sustainable Energy Technologies

Message from the Guest Editors

As the cost and demand of energy rise with increasing population growth and industrialization, strict regulations for energy-related products to curb their environmental impact are needed. Therefore, a deep understanding of the physical mechanisms of the transport processes in heat transfer equipment and novel methods to improve thermal performance are needed. The development of sustainable energy technologies and energy storage techniques in thermal energy systems is crucial to producing compact energy-efficient products with less impact on the environment. Application areas for such technology include solar power, refrigeration, electronic cooling, building energy, drying, waste heat recovery, battery thermal management and many others. Material selection, operating point and geometric optimization of thermal devices are critical for achieving a high performance. This Special Issue will act as a forum, allowing researchers to present their latest theoretical, experimental or computational results in the field of energy storage, heat transfer, porous media, mass transfer and sustainable energy system technologies.

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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