



Energy Efficiency: Perspectives and Policies and the Critical aspects for Energy Conservation and Storage Towards Sustainable Development

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Message from the Guest Editors

Energy efficiency is the opposite of wasting energy; it simply means using less energy to perform an action. The amount of energy we use or waste has a direct impact on the environment, and on our wallets.

To tackle this issue, researches have been focused on the storage of thermal energy phenomena. In fact, Thermal Energy Storage (TES) deals with the storing of energy by cooling, heating, melting, solidifying, or vaporizing a material, the energy becoming available as heat when the process is reversed. In fact, the production of heat nowadays is mainly based on finite energy sources. Heat transfer performance and energy efficiency evaluations are of great significance for the efficient use of heat exchangers. The proper design, operation, and maintenance of heat exchangers will make the process energy efficient and minimize energy losses.

Therefore, the objective of this Special Issue is to present recent original advances (theoretical and empirical research articles) as well as up-to-date progress in all areas of energy efficiency, energy conversion and storage, heat transfer in engineering, and its influence on emerging technologies.





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Message from the Editor-in-Chief

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