



Energy Engineering for Effective Pathways towards Green and Sustainable Global Demand

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Message from the Guest Editors

For modern civilization and the development of sustainable globe for human civilization, energy is one of the most important elements. In addition to fossil fuel, energy, renewable energy sources such as solar, wind, geothermal, hydropower, wave, and tidal power are well-known worldwide. However, to reduce the dependency on fossil fuel energy and also to mitigate CO₂ emission into the environment, only one form of renewable energy, be it solar, wind or another, cannot be the ultimate choice. Thus, it is time to think of how to improve energy efficiency for a sustainable green globe while simultaneously maintaining a significantly low environmental impact. Thus, energy engineering, including the development of smart micro grids, hybrid renewable energy systems, and development of a single-source renewable energy, can play a vital role for a future green and sustainable globe for human civilization. This Special Issue invites researchers and scholars to submit articles including research concepts, original research, and reviews.





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Message from the Editor-in-Chief

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