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Entropy in Renewable Energy Systems

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Message from the Guest Editors

Dear Colleagues,

The utilization of fossil fuels is responsible for the accumulation of CO₂ emission in the atmosphere. In addition, the production of fossil fuel displays a declining trend. The worldwide community has committed to exploring and developing technology related to renewable energy sources in order to address these challenges. Apart from experimental investigations, entropy and exergy analysis is also a suitable approach to evaluate the overall performance so long as the proper determination of the model delivers an accurate prediction of the process performance. Furthermore, the thermodynamic approach is economically attractive and time-effective. The development of renewable energy conversion technology shows promise regarding the ability to meet energy demands and maintain the environment. This Special Issue aims to facilitate advanced research related to the conversion process of renewable sources to produce energy, in terms of original research articles as well as review articles.

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Special Issue



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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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