Special Issue

High-Efficiency Conversion in Renewable Energy, Challenge, or Reflection

Message from the Guest Editor

The R&D for renewable energy will accelerate the reduction of greenhouse gas emissions. High-efficiency power or energy conversion is the typical research target. However, it is also known through field experience that the system that wins the efficiency-race does not always perform the best in the real world. We may find that there are several reasons for this. Some are strong scientific reasons, and others are constrained by realistic compromise. In any case, positive or negative, it is worthwhile to collect arguments about the myths, scientific analyses, and field experience of the efficiency-oriented renewable energy technologies. This Special Issue was intended to collect such articles, as well as editorials and reviews of renewable energy technologies, in order to spark up debate. We welcome both positive and negative contributions, however they should be based on science.

In this Special Issue, we are interested in a wide range of discussions about the conversion efficiency of renewable energy from theoretical analyses, simulations, economic calculations, system demonstrations, and field experience.

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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