

Special Issue

Eco-Friendly Energy Generation

Message from the Guest Editor

There are many interrelated problems in power generation: (1) developing and introducing new technologies involving renewable energy sources and waste-derived fuels; (2) modernizing widely used technologies by enhancing the efficiency of industrial equipment and optimizing its operation conditions; and (3) reducing the negative impact of technological processes and their products on the environment. Despite recent advancements in the development of alternative energy technologies, fossil fuels still dominate the production of power through steam boilers, gas turbines, internal combustion engines, etc. Thus, power generation represents an extensive field for the elaboration and implementation of solutions aimed at improving the technological, environmental, and economic performance of technological cycles. In recent years, environmental and energy security issues have become especially important. Therefore, today, it is vital that we take care of nature. In the coming decades, scientific teams in different countries will face the challenge of developing sustainable and safe technologies for fuel use in the energy sector.

Guest Editor

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Message from the Editor-in-Chief

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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