Special Issue

Green Additive for Biofuel Energy Production

Message from the Guest Editors

The production and burning of fossil fuels have been identified as the source of greenhouse gas emissions, which negatively influences the ecosystem. With the increasing awareness of global warming, scientists have looked for techniques to produce fuel from naturally sourced materials with environmentally friendly production and application processes. Although several biofuels have been produced, the drawback lies in the entire process' output (yield). Significantly, studies have shown that incorporating catalysts or additives has a dominant influence on biofuel production yield. This development has opened new pathways in catalytic processes by giving researchers unmatched control over critical characteristics, including size, shape, content, and morphology. Although nanotechnology is not new in chemistry and biofuel production, its constant advancement has brought it to the forefront of scientific discussion, making it the most popular buzzword of the decade. Therefore, this Special Issue will focus on incorporating naturally sourced catalysts and new techniques, as well as improving biofuel production via naturally sourced catalyst incorporation.

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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