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Optimization of Biodiesel and Biofuel Process

Guest Editors:

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Deadline for manuscript
submissions:

closed (20 October 2020)

Message from the Guest Editors

This Special Issue aims to collect works that provide different technical solutions to make possible the smooth transition from the current state, in which diesel engines operate with fossil fuels, to a new situation in which diesel engines will work employing solely renewable biofuels. Thus, in addition to conventional biodiesel, obtained by catalytic or enzymatic transesterification of triglycerides, all research providing effective solutions to allow the use of fats and oils as biofuels in diesel engines, without having to perform any modification in them, will be welcomed. This Special Issue also aims to collect studies related but not limited to the production and engineering development of alternative high-quality biofuels from vegetable oils, obtained by the hydrotreating of triglycerides (green diesel), the production of novel biofuels that integrate glycerol in their composition, as well as the development of diesel and biodiesel additives. These biofuels seek to achieve 100% atom efficiency, because neither glycerol nor any byproduct is obtained. Thus, the overall production process of the biofuel is simplified to a great extent.



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Special Issue



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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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