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Research Trends and Challenges in the Field of Biodiesel and Biofuels

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Message from the Guest Editor

Dear Colleagues,

Biodiesel and biofuels in general are well established sources of renewable energy worldwide. They are usually used as a transportation fuel and, in rarer cases, for the production of heat and electricity. Biodiesel can be produced from different feed stocks, and its usage is mostly related to the climate and geographical position of the production place. In order to avoid ‘food or fuel’ concerns, production trends have shifted from food crops toward inedible oils, waste oils and fats, and microbial oils. Similarly, for other biofuels, the trends have shifted from starchy toward lignocellulose sources and algal biomass.

In this Special Issue, we aim to publish full research papers, short communications, and review articles describing the current and alternative trends and technologies for the production, purification, modeling, and economics of biodiesel and biofuels. Papers that describe innovative processes/technological novelties or investigate properties and engine performances of novel fuels are highly appreciated.



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Special Issue



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Message from the Editor-in-Chief

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