



Sustainable and Renewable Energy: Biodiesel Production

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Deadline for manuscript
submissions:

closed (15 September 2023)

Message from the Guest Editor

Dear Colleagues,

Due to the high demand for diesel across the globe, as well as the adverse environmental and health effects of direct combustion, biodiesel production and use have been growing rapidly as the best short-term alternative for mineral diesel. However, utilizing edible and non-edible oil feedstocks for biodiesel synthesis has resulted in a number of contentious challenges, including feedstock availability and cost, greenhouse gas (GHG) emissions, land use changes (LUC) and fuel vs. food/feed competition. This Special Issue aims to include papers that take into account the various aspects of sustainability in biodiesel production through innovative approaches such as lifecycle analysis, novel feedstock, byproduct utilization, machine learning and nanotechnology.

Topics of interests include, but are not limited to:

- Novel feedstock;
- Byproduct utilization;
- Lifecycle analysis;
- Process optimization;
- Machine-learning-based model prediction;
- Residue management and property enhancement;
- Advance processes to intensify biodiesel yields.





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Message from the Editor-in-Chief

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