

## Special Issue

# Biodiesel Production: Current Status and Perspectives

### Message from the Guest Editors

Biodiesel is known for its renewability, sulfur-free nature, sustainability, and biodegradability. As such, it has been perceived as a potential renewable and environmentally friendly energy source for replacing exhaustible petroleum-based diesel in the . The raw materials for biodiesel production are derived from renewable sources, which are abundant and inexhaustible, ensuring the future sustainability of human development and energy sources. Despite the bright prospect of biodiesel as a sustainable source of energy, its commercialization efforts have been minimal worldwide. This Special Issue aims to collect articles on recent technological advancements and the growing demand for more sustainable energy sources, including the following: alternative feedstocks such as microalgae oils and industrial waste; production process optimization; integration of more sustainable technologies; and economic and environmental viability of biodiesel. We look forward to your contributions.

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### Guest Editors

Dr. Renata N. Vilas Bôas

Dr. Larissa Rauber Duarte

Dr. Marisa Mendes

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### Deadline for manuscript submissions

30 September 2025



## Applied Sciences

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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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### Editor-in-Chief

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