Special Issue

Biodiesel: Production and Applications

Message from the Guest Editor

The increase in population and industrialization has significantly increased the demand for energy consumption. One of the sectors where energy is significantly consumed is the sector of internal combustion engines (diesel engines). Diesel engines often use fossil resources and mineral-based fuels as their fuel. The use of fossil fuels produces significant amounts of contaminants during combustion due to their chemical composition. Hence, it is necessary to look for alternative fuels which can be produced from resources available. Biodiesel is a safe, renewable, nontoxic fuel. It can be manufactured from vegetable oils, animal fat, and even from recycled grease from the food industry. The production methodology of biodiesel is an important aspect for efficient and cost-effective production of biodiesel. After biodiesel production, identifying the product (biodiesel) applications suitable with their properties is very important. Therefore, this Special Issue will focus on the production of biodiesel, including feedstock, technologies. Research on the applications of biodiesel is also welcomed.

Guest Editor

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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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