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## Environmental sustainability of biofuels: a review

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62	Selection of Tropical Microalgae Species for Mass Production Based on Lipid and Fatty Acid Profiles. 10,	0
61	Supply chain optimization and GHG emissions in biofuel production from forestry residues in Sweden. <b>2022</b> , 196, 405-421	1
60	Characteristics of coconut shell-based activated carbon as Ni and Pt catalyst supports for hydrotreating Calophyllum inophyllum oil into hydrocarbon-based biofuel. <b>2022</b> , 10, 108209	0
59	Preparation and characterization of K-loaded Mg/Al mixed oxides obtained from hydrotalcites for transesterification of Camelina sativa oil.	1
58	Experimental Optimization with the Emphasis on Techno-Economic Analysis of Production and Purification of High Value-Added Bioethanol from Sustainable Corn Stover. <b>2022</b> , 15, 6131	1
57	From electronic structure to combustion model application for acrolein chemistry Part II: Acrolein + H <sub>2</sub> reactions and the development of acrolein sub-mechanism. <b>2022</b> , 112321	
56	Assessing and choosing the optimum blend of biodiesel, hydrogenated vegetable oil, and petroleum diesel based on sustainability in Indonesia.	1
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51	Green biodiesel based on non-vegetable oil and catalytic ability of waste materials as heterogeneous catalyst. <b>2022</b> , 44, 7432-7452	
50	Effects of isobutanol fraction in diesel/Biodiesel blends on combustion, injection, performance and emission parameters. <b>2022</b> , 330, 125554	

- 49 Second-Generation Biofuels Toward Environmental Sustainability. **2022**, 1-8 ○
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- 47 Biodiesel production from Argemone mexicana oil using chicken eggshell derived CaO catalyst. **2023**, 332, 126166 ○
- 46 How sustainable is the biohydrogen produced from sugarcane vinasse? An approach based on life cycle assessment. ○
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- 44 Implications of CRISPR-Cas9 in developing Next Generation Biofuel: A Minireview. **2022**, 23, ○
- 43 Biodiesel Emissions: A State-of-the-Art Review on Health and Environmental Impacts. **2022**, 15, 6854 1
- 42 Aplicaçõ de Chalconas e Anõrgos com Aditivos Antioxidantes em Misturas de Diesel e Biodiesel. ○
- 41 Advanced Biofuels from ABE (Acetone/Butanol/Ethanol) and Vegetable Oils (Castor or Sunflower Oil) for Using in Triple Blends with Diesel: Evaluation on a Diesel Engine. **2022**, 15, 6493 ○
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- 36 Valorization of Waste Cooking Oil into Biodiesel via Bacillus stratosphericus Lipase Amine-Functionalized Mesoporous SBA-15 Nanobiocatalyst. **2022**, 2022, 1-20 ○
- 35 Potentiality of biodiesel and bioethanol production from feedstock in Bangladesh: A review. **2022**, 8, e11213 ○
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- 33 Catalytic pyrolysis of biomass over zeolites for bio-oil and chemical production: A review on their structure, porosity and acidity co-relation. **2022**, 366, 128189 1
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- 31 Effects of Mixing Two Non-edible Biodiesels on Performance and Emission of CI Engine. **2023**, 55-64 ○
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- 29 Agricultural and Forestry Biomass for Meeting the Renewable Fuel Standard: Implications for Land Use and GHG Emissions. **2022**, 15, 8796 ○
- 28 Experimental study of droplet combustion and diesel engine characteristics for Azolla biodiesel. **2022**, 44, 10359-10377 ○
- 27 Techno-economic and Environmental Analysis of Algae Biodiesel Production via Lipid Extraction Using Alternative Solvents. **2022**, 61, 18030-18044 ○
- 26 From Waste Biomass to Cellulosic Ethanol by Separate Hydrolysis and Fermentation (SHF) with *Trichoderma viride*. **2023**, 15, 168 ○
- 25 Sustainability analysis of bioethanol production from grain and tuber starchy feedstocks. **2022**, 12, ○
- 24 Microalgal-Based Bioenergy: Strategies, Prospects, and Sustainability. **2022**, 36, 14584-14612 1
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- 22 Life cycle assessment of *Moringa oleifera* derived biodiesel: Energy efficiency, CO<sub>2</sub> intensity and environmental impacts. ○
- 21 Evaluating Biofuel Energy Policies for Sustainable Transportation Sector: A System Dynamics Approach. **2023**, 8, 120-141 ○
- 20 Biofuels from Renewable Sources, a Potential Option for Biodiesel Production. **2023**, 10, 29 1
- 19 Introduction. **2023**, 1-12 ○
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- 16 Oil and Natural Gas and Sustainability. **2023**, 47-66 ○
- 15 Advances in synthesis of TiO<sub>2</sub> nanoparticles and their application to biodiesel production: A review. **2023**, 460, 141734 ○
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- 13 Biofuels an Option for Reducing Ecological Footprint. **2022**, 89-101 ○
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- 8 Novel Corrugated Long Period Grating Surface Balloon-Shaped Heterocore-Structured Plastic Optical Fibre Sensor for Microalgal Bioethanol Production. **2023**, 23, 1644 ○
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