

Enhancement of biodiesel yield and characteristics through co-transesterification of wet microalgae with spent coffee

Bioresource Technology

323, 124640

DOI: [10.1016/j.biortech.2020.124640](https://doi.org/10.1016/j.biortech.2020.124640)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of Phytohormones Supplementation under Nitrogen Depletion on Biomass and Lipid Production of <i>Nannochloropsis oceanica</i> for Integrated Application in Nutrition and Biodiesel. <i>Sustainability</i> , 2021, 13, 592.	1.6	17
2	Potential Applications of Native Cyanobacterium Isolate (<i>Arthrospira platensis</i> NIOF17/003) for Biodiesel Production and Utilization of Its Byproduct in Marine Rotifer (<i>Brachionus plicatilis</i>) Production. <i>Sustainability</i> , 2021, 13, 1769.	1.6	40
3	Recent Advances in Carbon Dioxide Conversion: A Circular Bioeconomy Perspective. <i>Sustainability</i> , 2021, 13, 6962.	1.6	2
4	Enhancing cultivation of biodiesel-promising microalgae <i>Chlorella pyrenoidosa</i> using plant hormones in municipal wastewater. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 9753-9763.	2.9	8
5	Co-cultivation of <i>Streptomyces</i> and microalgal cells as an efficient system for biodiesel production and biofloculation formation. <i>Bioresource Technology</i> , 2021, 332, 125118.	4.8	39
6	A Novel Route of Mixed Catalysis for Production of Fatty Acid Methyl Esters from Potential Seed Oil Sources. <i>Catalysts</i> , 2021, 11, 811.	1.6	9
7	Evaluation of high salinity adaptation for lipid bio-accumulation in the green microalga <i>Chlorella vulgaris</i> . <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 3981-3988.	1.8	19
8	Physicochemical impact of bioactive terpenes on the microalgae biomass structural characteristics. <i>Bioresource Technology</i> , 2021, 334, 125232.	4.8	17
9	World eutrophic pollution of lake and river: Biotreatment potential and future perspectives. <i>Environmental Technology and Innovation</i> , 2021, 23, 101604.	3.0	36
10	Potential Applications of <i>Arthrospira platensis</i> Lipid-Free Biomass in Bioremediation of Organic Dye from Industrial Textile Effluents and Its Influence on Marine Rotifer (<i>Brachionus plicatilis</i>). <i>Materials</i> , 2021, 14, 4446.	1.3	32
11	Cold stress treatment enhances production of metabolites and biodiesel feedstock in <i>Porphyridium cruentum</i> via adjustment of cell membrane fluidity. <i>Science of the Total Environment</i> , 2021, 780, 146612.	3.9	12
12	Microwave-assisted in-situ transesterification of <i>Spirulina platensis</i> to biodiesel using PEG/MgO/ZSM-5 magnetic catalyst. <i>Journal of Cleaner Production</i> , 2021, 311, 127490.	4.6	47
13	Coupling Nutrient Removal and Biodiesel Production by the Chlorophyte <i>Asterarcys quadricellulare</i> Grown in Municipal Wastewater. <i>Bioenergy Research</i> , 2022, 15, 193-201.	2.2	1
14	Integrated approach for enhanced bio-oil recovery from disposed face masks through co-hydrothermal liquefaction with <i>Spirulina platensis</i> grown in wastewater. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 11109-11120.	2.9	14
15	Ammonia Bioremediation from Aquaculture Wastewater Effluents Using <i>Arthrospira platensis</i> NIOF17/003: Impact of Biodiesel Residue and Potential of Ammonia-Loaded Biomass as Rotifer Feed. <i>Materials</i> , 2021, 14, 5460.	1.3	35
16	Improvement of fuel properties of used palm oil derived biodiesel with butyl ferulate as an additive. <i>Renewable Energy</i> , 2021, 175, 1052-1068.	4.3	3
17	Dry route process and wet route process for algal biodiesel production: A review of techno-economical aspects. <i>Chemical Engineering Research and Design</i> , 2021, 174, 365-385.	2.7	16
18	Insights into the genetic and metabolic engineering approaches to enhance the competence of microalgae as biofuel resource: A review. <i>Bioresource Technology</i> , 2021, 339, 125597.	4.8	53

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20	Biodiesel potentials of microalgal strains isolated from fresh water environment. <i>Environmental Challenges</i> , 2021, 5, 100367.	2.0	4
21	Enhanced biodiesel production from wet microalgae biomass optimized via response surface methodology and artificial neural network. <i>Renewable Energy</i> , 2022, 184, 753-764.	4.3	58
22	Effect of spent coffee grounds extract on astaxanthin production by <i>Xanthophyllomyces dendrorhous</i> . <i>Bioresource Technology Reports</i> , 2022, 17, 100953.	1.5	1
23	Applications of synthetic light-driven microbial consortia for biochemicals production. <i>Bioresource Technology</i> , 2022, 351, 126954.	4.8	7
24	Bioenergy characteristics of microalgae under elevated carbon dioxide. <i>Fuel</i> , 2022, 321, 123958.	3.4	14
25	Water-plasma-enhanced and phase-separation-assisted extraction of microalgal lipid for biodiesel production. <i>Bioresource Technology</i> , 2022, 354, 127198.	4.8	9
26	A Review of Recent Advances in Spent Coffee Grounds Upcycle Technologies and Practices. <i>Frontiers in Chemical Engineering</i> , 2022, 4, .	1.3	9
27	Using <i>Chlorella vulgaris</i> for nutrient removal from hydroponic wastewater: experimental investigation and economic assessment. <i>Water Science and Technology</i> , 2022, 85, 3240-3258.	1.2	4
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30	Temperature-swing transesterification for the coproduction of biodiesel and ethyl levulinate from spent coffee grounds. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 2754-2763.	1.2	6
31	Evaluation of halophilic microalgae isolated from Rabigh Red Sea coastal area for biodiesel production: Screening and biochemical studies. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 103339.	1.8	6
32	Enhancement of black and odorous water treatment coupled with accelerated lipid production by microalgae exposed to 12C6+ heavy-ion beam irradiation. <i>Chemosphere</i> , 2022, 305, 135452.	4.2	3
33	Value-added products from microbial lipid. , 2022, , 331-347.		0
34	Enhancement of antioxidant properties of <i>Gongolaria barbata</i> (Phaeophyceae) by optimization of combined light intensity and salinity stress. <i>Phycologia</i> , 2022, 61, 584-594.	0.6	4
35	Impact of Various Visible Spectra on Attached Microalgal Growth on Palm Decanter Cake in Triggering Protein, Carbohydrate, and Lipid to Biodiesel Production. <i>Processes</i> , 2022, 10, 1583.	1.3	1
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38	Coupling with in-situ electrochemical reactive chlorine species generation and two-phase partitioning method for enhanced microalgal biodiesel production. <i>Bioresource Technology</i> , 2022, 364, 128100.	4.8	2
39	Maximizing Nitrogen Removal and Lipid Production by Microalgae under Mixotrophic Growth Using Response Surface Methodology: Towards Enhanced Biodiesel Production. <i>Fermentation</i> , 2022, 8, 682.	1.4	4
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41	Determination of active sites on the synthesis of novel Lewis acidic deep eutectic solvent catalysts and kinetic studies in microalgal biodiesel production. <i>RSC Advances</i> , 2023, 13, 10110-10122.	1.7	1
42	New report of <i>Halamphora subtropica</i> (Bacillariophyta) from the Strait of Malacca and its growth and biochemical characterisation under nutrient deprivation. <i>Regional Studies in Marine Science</i> , 2023, 62, 102947.	0.4	1
50	High-Throughput Screening to Accelerate Microalgae-Based Phycochemical Production. , 2024, , 273-319.		0