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**Green alga cultivation with monoethanolamine:
Evaluation of CO fixation and macromolecule production**

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#	Paper	IF	Citations
27	Green alga cultivation with nanofibers as physical adsorbents of carbon dioxide: Evaluation of gas biofixation and macromolecule production. <i>Bioresource Technology</i> , 2019 , 287, 121406	11	10
26	Biological CO mitigation by microalgae: technological trends, future prospects and challenges. <i>World Journal of Microbiology and Biotechnology</i> , 2019 , 35, 78	4.4	12
25	Use of static magnetic fields to increase CO biofixation by the microalga <i>Chlorella fusca</i> . <i>Bioresource Technology</i> , 2019 , 276, 103-109	11	30
24	Fed-batch cultivation with CO and monoethanolamine: Influence on <i>Chlorella fusca</i> LEB 111 cultivation, carbon biofixation and biomolecules production. <i>Bioresource Technology</i> , 2019 , 273, 627-633 ¹¹	11	21
23	Innovative nanofiber technology to improve carbon dioxide biofixation in microalgae cultivation. <i>Bioresource Technology</i> , 2019 , 273, 592-598	11	24
22	Potential of <i>Chlorella fusca</i> LEB 111 cultivated with thermoelectric fly ashes, carbon dioxide and reduced supply of nitrogen to produce macromolecules. <i>Bioresource Technology</i> , 2019 , 277, 55-61	11	10
21	Utilization of unfiltered LPG-burner exhaust-gas emission using microalga <i>Coelastrella</i> sp.. <i>Journal of CO2 Utilization</i> , 2019 , 29, 283-295	7.6	4
20	Bioprocess strategies for enhancing biomolecules productivity in <i>Chlorella fusca</i> LEB 111 using CO a carbon source. <i>Biotechnology Progress</i> , 2020 , 36, e2909	2.8	3
19	Physical and biological fixation of CO with polymeric nanofibers in outdoor cultivations of <i>Chlorella fusca</i> LEB 111. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 1332-1339	7.9	9
18	Carbon dioxide capture and utilization using microalgae. 2020 , 185-206		2
17	Microalgae starch: A promising raw material for the bioethanol production. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2739-2749	7.9	29
16	Determination of Dissolved CO2 Concentration in Culture Media: Evaluation of pH Value and Mathematical Data. <i>Processes</i> , 2020 , 8, 1373	2.9	3
15	Loading effects of low doses of magnesium aminoclay on microalgal <i>Microcystis</i> sp. KW growth, macromolecule productions, and cell harvesting. <i>Biomass and Bioenergy</i> , 2020 , 139, 105619	5.3	3
14	A novel CO steady feeding based on the pH steady strategy data in the <i>Haematococcus pluvialis</i> cultivation to maximize the cell growth and carbon bio-sequestration. <i>Bioresource Technology</i> , 2020 , 314, 123752	11	4
13	Renewal of nanofibers in <i>Chlorella fusca</i> microalgae cultivation to increase CO fixation. <i>Bioresource Technology</i> , 2021 , 321, 124452	11	9
12	Analysis of direct and indirect quantification methods of CO2 fixation via microalgae cultivation in photobioreactors: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 137, 110579	16.2	23
11	Influence of chitosan-based carbon dots added in MgAC-containing culture medium on green alga <i>Tetraselmis</i> sp.. <i>Journal of Applied Phycology</i> , 2021 , 33, 765-775	3.2	0

10 Microalgae as source of edible lipids. **2021**, 147-175

9 Non-conventional CO₂ sequestration via Vitamin C promoted green reaction: Yield evaluation. *Journal of CO₂ Utilization*, **2021**, 44, 101420 7.6 1

8 Energy and nutrients recovery from wastewater cultivated microalgae: Assessment of the impact of wastewater dilution on biogas yield. *Bioresource Technology*, **2021**, 341, 125755 11 5

7 Innovative application of brackish groundwater without the addition of nutrients in the cultivation of Spirulina and Chlorella for carbohydrate and lipid production.. *Bioresource Technology*, **2021**, 345, 126543 11 2

6 Biomolecule concentrations increase in Chlorella fusca LEB 111 cultured using chemical absorbents and nutrient reuse. *Bioenergy Research*, 1 3.1

5 Optimization of the Culture of Chlorella Sorokiniana PA.91 by RSM: Effect of temperature, light intensity, and MgAC-NPs. 0

4 Effect of adding tertiary amine TMEDA and space hindered amine DACH on the CO₂ chemical absorption-microalgae conversion system. **2023**, 263, 125726 0

3 Strategy for Carbohydrate-Starch Production Enhancement by Chlorella fusca Using Seawater as Culture Medium. 0

2 Optimization of the culture of Chlorella sorokiniana PA.91 by RSM: effect of temperature, light intensity, and MgAC-NPs. **2023**, 30, 50896-50919 0

1 Optimization and Process Effect for Microalgae Carbon Dioxide Fixation Technology Applications Based on Carbon Capture: A Comprehensive Review. **2023**, 9, 35 1