

# Lucielen Oliveira Santos

## List of Publications by Citations

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44  
papers

1,686  
citations

14  
h-index

41  
g-index

50  
ext. papers

2,071  
ext. citations

4.5  
avg, IF

5.04  
L-index

#	Paper	IF	Citations
44	Natural-based plasticizers and biopolymer films: A review. <i>European Polymer Journal</i> , <b>2011</b> , 47, 254-263	5.2	1126
43	Growth stimulation and synthesis of lipids, pigments and antioxidants with magnetic fields in <i>Chlorella kessleri</i> cultivations. <i>Bioresource Technology</i> , <b>2017</b> , 244, 1425-1432	11	47
42	Effects of magnetic fields on biomass and glutathione production by the yeast <i>Saccharomyces cerevisiae</i> . <i>Process Biochemistry</i> , <b>2010</b> , 45, 1362-1367	4.8	42
41	Magnetic fields as triggers of microalga growth: evaluation of its effect on <i>Spirulina</i> sp. <i>Bioresource Technology</i> , <b>2016</b> , 220, 62-67	11	39
40	Magnetic field action on outdoor and indoor cultures of <i>Spirulina</i> : Evaluation of growth, medium consumption and protein profile. <i>Bioresource Technology</i> , <b>2018</b> , 249, 168-174	11	35
39	Magnetic Field (MF) Applications in Plants: An Overview. <i>Plants</i> , <b>2020</b> , 9,	4.5	35
38	Microalgal biotechnology for greenhouse gas control: Carbon dioxide fixation by <i>Spirulina</i> sp. at different diffusers. <i>Ecological Engineering</i> , <b>2016</b> , 91, 426-431	3.9	31
37	Use of static magnetic fields to increase CO biofixation by the microalga <i>Chlorella fusca</i> . <i>Bioresource Technology</i> , <b>2019</b> , 276, 103-109	11	30
36	Static magnetic fields in culture of <i>Chlorella fusca</i> : Bioeffects on growth and biomass composition. <i>Process Biochemistry</i> , <b>2016</b> , 51, 912-916	4.8	29
35	Synthesis and application of natural polymeric plasticizer obtained through polyesterification of rice fatty acid. <i>Materials Research</i> , <b>2014</b> , 17, 386-391	1.5	23
34	Influence of culture conditions on glutathione production by <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2007</b> , 77, 763-9	5.7	22
33	Magnetic treatment of microalgae for enhanced product formation. <i>World Journal of Microbiology and Biotechnology</i> , <b>2017</b> , 33, 169	4.4	18
32	Engineering strategies for the enhancement of <i>Nannochloropsis gaditana</i> outdoor production: Influence of the CO <sub>2</sub> flow rate on the culture performance in tubular photobioreactors. <i>Process Biochemistry</i> , <b>2019</b> , 76, 171-177	4.8	17
31	Mechanism of action, sources, and application of peroxidases. <i>Food Research International</i> , <b>2021</b> , 143, 110266	7	16
30	Simultaneous Production of Amyloglucosidase and Exo-Polygalacturonase by <i>Aspergillus niger</i> in a Rotating Drum Reactor. <i>Applied Biochemistry and Biotechnology</i> , <b>2017</b> , 181, 627-637	3.2	14
29	Characterization of Different Oil Soapstocks and Their Application in the Lipase Production by <i>Aspergillus niger</i> under Solid State Fermentation. <i>Journal of Food and Nutrition Research (Newark, Del)</i> , <b>2014</b> , 2, 561-566	1.9	14
28	Quantum yield alterations due to the static magnetic fields action on <i>Arthrospira platensis</i> SAG 21.99: Evaluation of photosystem activity. <i>Bioresource Technology</i> , <b>2019</b> , 292, 121945	11	12

27	Glutathione production using magnetic fields generated by magnets. <i>Brazilian Archives of Biology and Technology</i> , <b>2012</b> , 55, 921-926	1.8	12
26	Magnetic fields: biomass potential of <i>Spirulina</i> sp. for food supplement. <i>Bioprocess and Biosystems Engineering</i> , <b>2020</b> , 43, 1231-1240	3.7	11
25	Simultaneous amyloglucosidase and exo-polygalacturonase production by <i>Aspergillus niger</i> using solid-state fermentation. <i>Brazilian Archives of Biology and Technology</i> , <b>2007</b> , 50, 759-766	1.8	10
24	Microalgae-based carbohydrates: A green innovative source of bioenergy. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126304	11	10
23	Optimization of anaerobic fermentation of <i>Actinobacillus succinogenes</i> for increase the succinic acid production. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2020</b> , 27, 101718	4.2	9
22	A cost effective fermentative production of glutathione by <i>Saccharomyces cerevisiae</i> with cane molasses and glycerol. <i>Brazilian Archives of Biology and Technology</i> , <b>2013</b> , 56, 849-857	1.8	8
21	Solid-State Fermentation for the Production of Biosurfactants and Their Applications <b>2018</b> , 357-372		7
20	Increased lipid synthesis in the culture of <i>Chlorella homosphaera</i> with magnetic fields application. <i>Bioresource Technology</i> , <b>2020</b> , 315, 123880	11	7
19	Static Magnetic Fields Effects on Polysaccharides Production by Different Microalgae Strains. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5299	2.6	7
18	Lipase Production by <i>Aspergillus niger</i> 11T53A14 in Wheat Bran Using Experimental Design Methodology. <i>Journal of Food and Nutrition Research (Newark, Del)</i> , <b>2014</b> , 2, 659-663	1.9	6
17	Bioprocess strategies for enhancing the outdoor production of <i>Nannochloropsis gaditana</i> : an evaluation of the effects of pH on culture performance in tubular photobioreactors. <i>Bioprocess and Biosystems Engineering</i> , <b>2020</b> , 43, 1823-1832	3.7	5
16	Innovative development of membrane sparger for carbon dioxide supply in microalgae cultures. <i>Biotechnology Progress</i> , <b>2020</b> , 36, e2987	2.8	5
15	Magnetic field as a trigger of carotenoid production by <i>Phaffia rhodozyma</i> . <i>Process Biochemistry</i> , <b>2020</b> , 98, 131-138	4.8	5
14	Magnetic field as promoter of growth in outdoor and indoor assays of <i>Chlorella fusca</i> . <i>Bioprocess and Biosystems Engineering</i> , <b>2021</b> , 44, 1453-1460	3.7	4
13	Mitigation of nivalenol using alcoholic fermentation and magnetic field application. <i>Food Chemistry</i> , <b>2021</b> , 340, 127935	8.5	4
12	Evaluation of CO <sub>2</sub> Biofixation and Biodiesel Production by <i>Spirulina</i> ( <i>Arthrospira</i> ) Cultivated In Air-Lift Photobioreactor. <i>Brazilian Archives of Biology and Technology</i> , <b>2018</b> , 61,	1.8	4
11	Application of Static Magnetic Fields on the Mixotrophic Culture of <i>Chlorella minutissima</i> for Carbohydrate Production. <i>Applied Biochemistry and Biotechnology</i> , <b>2020</b> , 192, 822-830	3.2	3
10	Bioprocess strategies for enhancing biomolecules productivity in <i>Chlorella fusca</i> LEB 111 using CO <sub>2</sub> a carbon source. <i>Biotechnology Progress</i> , <b>2020</b> , 36, e2909	2.8	3

9	Magnetic fields exhibit a positive impact on lipid and biomass yield during phototrophic cultivation of <i>Spirulina</i> sp. <i>Bioprocess and Biosystems Engineering</i> , <b>2021</b> , 44, 2087-2097	3.7	3
8	Antioxidant and antibacterial activity of a beverage obtained by fermentation of yerba-matã ( <i>Ilex paraguariensis</i> ) with symbiotic kombucha culture. <i>Journal of Food Processing and Preservation</i> , <b>2021</b> , 45, e15101	2.1	3
7	Modeling the growth of microalgae <i>Spirulina</i> sp. with application of illuminance and magnetic field. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2019</b> , 94, 1770-1776	3.5	2
6	Hydrolyzed <i>Spirulina</i> Biomass and Molasses as Substrate in Alcoholic Fermentation with Application of Magnetic Fields. <i>Waste and Biomass Valorization</i> , <b>2021</b> , 12, 175-183	3.2	2
5	Glutathione production by <i>Saccharomyces cerevisiae</i> : current state and perspectives.. <i>Applied Microbiology and Biotechnology</i> , <b>2022</b> , 106, 1879-1894	5.7	2
4	<i>Spirulina</i> sp. LEB 18-extracted phycocyanin: Effects on liposomes physicochemical parameters and correlation with antiradical/antioxidant properties. <i>Chemistry and Physics of Lipids</i> , <b>2021</b> , 236, 105064	3.7	1
3	Magnetic Field Action on <i>Limnospira indica</i> PCC8005 Cultures: Enhancement of Biomass Yield and Protein Content. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 1533	2.6	0
2	Carotenoid extraction from <i>Phaffia rhodozyma</i> biomass: downstream strategies and economic evaluation of energy. <i>Brazilian Journal of Chemical Engineering</i> , 1	1.7	0
1	Simultaneous Application of Mixotrophic Culture and Magnetic Fields as a Strategy to Improve <i>Spirulina</i> sp. LEB 18 Phycocyanin Synthesis. <i>Current Microbiology</i> , <b>2021</b> , 78, 4014-4022	2.4	0