

# Claudia Regina Fernandes Souza

## List of Publications by Year in descending order

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48  
papers

1,387  
citations

471061

17  
h-index

344852

36  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clove ( <i>Syzygium aromaticum</i> ): a precious spice. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2014, 4, 90-96.	0.5	439
2	Spray drying of the soybean extract: Effects on chemical properties and antioxidant activity. <i>LWT - Food Science and Technology</i> , 2008, 41, 1521-1527.	2.5	97
3	Encapsulation of eugenol rich clove extract in solid lipid carriers. <i>Journal of Food Engineering</i> , 2014, 127, 34-42.	2.7	83
4	Optimization of spray drying conditions for production of <i>Bidens pilosa</i> L. dried extract. <i>Chemical Engineering Research and Design</i> , 2015, 93, 366-376.	2.7	53
5	Manufacture of Standardized Dried Extracts from Medicinal Brazilian Plants. <i>Drying Technology</i> , 2006, 24, 523-533.	1.7	50
6	Antioxidant and antimicrobial activities of <i>Psidium guajava</i> L. spray dried extracts. <i>Industrial Crops and Products</i> , 2014, 60, 39-44.	2.5	46
7	Powder Properties and System Behavior during Spray Drying of <i>Bauhinia forficata</i> Link Extract. <i>Drying Technology</i> , 2006, 24, 735-749.	1.7	41
8	Processing of <i>Rosmarinus officinalis</i> linne extract on spray and spouted bed dryers. <i>Brazilian Journal of Chemical Engineering</i> , 2008, 25, 59-69.	0.7	40
9	Bioactive compounds in <i>Bidens pilosa</i> L. populations: a key step in the standardization of phytopharmaceutical preparations. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 28-35.	0.6	38
10	Lipase Production by Endophytic Fungus <i>Cercospora kikuchii</i> : Stability of Enzymatic Activity after Spray Drying in the Presence of Carbohydrates. <i>Drying Technology</i> , 2011, 29, 1112-1119.	1.7	30
11	Spouted bed drying of <i>Bauhinia forficata</i> link extract: the effects of feed atomizer position and operating conditions on equipment performance and product properties. <i>Brazilian Journal of Chemical Engineering</i> , 2005, 22, 239-247.	0.7	28
12	Spouted bed performance on drying of an aromatic plant extract. <i>Powder Technology</i> , 2013, 239, 59-71.	2.1	27
13	Characterization and spray drying of lipase produced by the endophytic fungus <i>Cercospora kikuchii</i> . <i>Brazilian Journal of Chemical Engineering</i> , 2014, 31, 849-858.	0.7	26
14	Effect of process variables on fluid dynamics and adhesion efficiency during spouted bed coating of hard gelatine capsules. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 2238-2246.	1.8	23
15	Stabilization of Endophytic Fungus <i>Cercospora kikuchii</i> Lipase by Spray Drying in the Presence of Maltodextrin and $\beta$ -Cyclodextrin. <i>Drying Technology</i> , 2010, 28, 1245-1254.	1.7	19
16	Fluid bed drying and agglomeration of phytopharmaceutical compositions. <i>Powder Technology</i> , 2015, 273, 145-153.	2.1	19
17	Enzymatic Synthesis of Biodiesel Using Immobilized Lipase on a Non-commercial Support. <i>Energy &amp; Fuels</i> , 2016, 30, 4820-4824.	2.5	19
18	Drying of herbal extract in a draft-tube spouted bed. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 279-288.	0.9	18

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19	Evaluation of flow regimes in a semi-cylindrical spouted bed through statistical, mutual information, spectral and Hurst's analysis. <i>Canadian Journal of Chemical Engineering</i> , 2008, 86, 582-597.	0.9	17
20	Surfactant Mediated Extraction of Antioxidants from <i>Syzygium aromaticum</i> . <i>Separation Science and Technology</i> , 2015, 50, 207-213.	1.3	17
21	Enzymatic Transesterification of Coconut Oil Using Chitosan-Immobilized Lipase Produced by Fluidized-Bed System. <i>Energy &amp; Fuels</i> , 2017, 31, 12209-12216.	2.5	17
22	THE ROLE OF COLLOIDAL SILICON DIOXIDE IN THE ENHANCEMENT OF THE DRYING OF HERBAL PREPARATIONS IN SUSPENDED STATE. <i>Chemical Engineering Communications</i> , 2008, 196, 391-405.	1.5	15
23	Optimisation of the extraction of phenolic compounds and antioxidant activity from aerial parts of <i>Bidens pilosa</i> L. using response surface methodology. <i>International Journal of Food Science and Technology</i> , 2011, 46, 2420-2427.	1.3	15
24	Drying of Phytochemical Preparations in a Spouted Bed: Perspectives and Challenges. <i>Drying Technology</i> , 2012, 30, 1209-1226.	1.7	15
25	Spouted Bed Drying as a Method for Enzyme Immobilization. <i>Drying Technology</i> , 2013, 31, 1756-1763.	1.7	15
26	Factors Affecting the Retention Efficiency and Physicochemical Properties of Spray Dried Lipid Nanoparticles Loaded with <i>Lippia sidoides</i> Essential Oil. <i>Biomolecules</i> , 2020, 10, 693.	1.8	15
27	In Vitro Dissolution Studies of Sodium Diclofenac Granules Coated with Eudragit L-30D-55 <sup>®</sup> by Fluidized-Bed System. <i>Drug Development and Industrial Pharmacy</i> , 2006, 32, 661-667.	0.9	14
28	Antioxidant activity and physical-chemical properties of spray and spouted bed dried extracts of <i>Bauhinia forficata</i> . <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2009, 45, 209-218.	1.2	14
29	Enzyme encapsulation in magnetic chitosan-Fe <sub>3</sub> O <sub>4</sub> microparticles. <i>Journal of Microencapsulation</i> , 2015, 32, 16-21.	1.2	14
30	Assessment of Antioxidant Activity of Spray Dried Extracts of <i>Psidium guajava</i> Leaves by DPPH and Chemiluminescence Inhibition in Human Neutrophils. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	13
31	Immobilization of Lipases Produced by the Endophytic Fungus <i>Cercospora kikuchii</i> on Chitosan Microparticles. <i>Brazilian Archives of Biology and Technology</i> , 2014, 57, 578-586.	0.5	12
32	Identification of the state of a wet spouted bed through time-frequency analysis of pressure fluctuation time series. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 289-297.	0.9	11
33	Microencapsulation of Ketoprofen in Blends of Acrylic Resins by Spray Drying. <i>Drying Technology</i> , 2012, 30, 263-275.	1.7	11
34	Spray-Dried Proliposomes: an Innovative Method for Encapsulation of <i>Rosmarinus officinalis</i> L. Polyphenols. <i>AAPS PharmSciTech</i> , 2020, 21, 143.	1.5	11
35	Phytase Production by <i>Rhizopus microsporus</i> var. <i>microsporus</i> Biofilm: Characterization of Enzymatic Activity After Spray Drying in Presence of Carbohydrates and Nonconventional Adjuvants. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 177-187.	0.9	10
36	Spouted Bed Dried <i>Rosmarinus officinalis</i> Extract: A Novel Approach for Physicochemical Properties and Antioxidant Activity. <i>Agriculture (Switzerland)</i> , 2020, 10, 349.	1.4	9

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37	Quality changes during spouted bed drying of Pepper-Rosmarin extract. Canadian Journal of Chemical Engineering, 2013, 91, 1837-1846.	0.9	7
38	Spray drying of lipid-based systems loaded with <i>Camellia sinensis</i> polyphenols. Journal of Liposome Research, 2017, 27, 11-20.	1.5	7
39	Antioxidant Activity of Spray-Dried Extracts of <i>Psidium guajava</i> Leaves. Journal of Food Research, 2018, 7, 141.	0.1	6
40	Extracellular Î²-fructofuranosidase from <i>Fusarium graminearum</i> : stability of the spray-dried enzyme in the presence of different carbohydrates. Journal of Microencapsulation, 2013, 30, 624-631.	1.2	5
41	Spray-Dried Structured Lipid Carriers for the Loading of <i>Rosmarinus officinalis</i> : New Nutraceutical and Food Preservative. Foods, 2020, 9, 1110.	1.9	5
42	Influência do processo de secagem e condição de armazenamento de extratos secos de <i>Bauhinia forficata</i> e <i>Passiflora alata</i> sobre seu perfil de dissolução. Revista Brasileira De Plantas Medicinai, 2015, 17, 67-75.	0.3	3
43	BINARY, TERNARY AND QUATERNARY INCLUSION COMPLEXES CONTAINING <i>Lippia sidoides</i> ESSENTIAL OIL. Quimica Nova, 2016, , .	0.3	3
44	Spray Drying of Coloring Extracts Produced by Fungi Isolated from Brazilian Caves. Brazilian Archives of Biology and Technology, 0, 63, .	0.5	3
45	Thesis Summary: Standardized Dried Extracts of Brazilian Medicinal Plants: Assessment of Technical and Economic Feasibility of Spouted Bed Drying. Drying Technology, 2008, 26, 386-387.	1.7	2
46	Stability testing and shelf live prediction of a spouted bed dried phytopharmaceutical preparation from <i>Maytenus ilicifolia</i> . Canadian Journal of Chemical Engineering, 2013, 91, 1847-1855.	0.9	2
47	Effects of lipid formulations on clove extract spray dried powders: comparison of physicochemical properties, storage stability and in vitro intestinal permeation. Pharmaceutical Development and Technology, 2018, 23, 1047-1056.	1.1	2
48	Immobilization of <i>Candida rugosa</i> lipase on eco-friendly supports by spouted-bed technology: Use in the synthesis of isoamyl caprylate. , 0, , .		1