

Prakash M Jeganathan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6116755/prakash-m-jeganathan-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

4,221
citations

39
h-index

64
g-index

77
ext. papers

5,024
ext. citations

6
avg, IF

6.16
L-index

#	Paper	IF	Citations
75	Characterization of novel natural cellulosic fibers from purple bauhinia for potential reinforcement in polymer composites. <i>Cellulose</i> , 2021 , 28, 5373	5.5	21
74	Cellulose fiber from date palm petioles as potential reinforcement for polymer composites: Physicochemical and structural properties. <i>Polymer Composites</i> , 2021 , 42, 3943-3953	3	14
73	Influence of Sodium Hydroxide (NaOH) Treatment on Mechanical Properties and Morphological Behaviour of Phoenix sp. Fiber/Epoxy Composites. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 765-774	4.5	24
72	Functional properties of hot air dried <i>Cardiospermum halicacabum</i> leaves. <i>Materials Today: Proceedings</i> , 2021 , 45, 2887-2889	1.4	
71	Hot air drying characteristics of <i>Cardiospermum halicacabum</i> leaves. <i>Materials Today: Proceedings</i> , 2021 , 45, 2635-2637	1.4	
70	Sensory evaluation of apple ber using fuzzy TOPSIS. <i>Materials Today: Proceedings</i> , 2021 , 45, 2982-2986	1.4	0
69	Environment friendly, renewable and sustainable poly lactic acid (PLA) based natural fiber reinforced composites [A comprehensive review]. <i>Journal of Cleaner Production</i> , 2021 , 310, 127483	10.3	52
68	Nanotechnology based solutions to combat zoonotic viruses with special attention to SARS, MERS, and COVID 19: Detection, protection and medication. <i>Microbial Pathogenesis</i> , 2021 , 159, 105133	3.8	4
67	Ecofriendly biopolymers and composites: Preparation and their applications in water-treatment. <i>Biotechnology Advances</i> , 2021 , 52, 107815	17.8	24
66	A study on Apple ber to identify the suitability of new product development. <i>Plant Science Today</i> , 2020 , 7, 61-69	2.2	2
65	Assessment of Drug Flow Rate in Skin Cancer Therapy for Enhancing the Drug Delivery System. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020 , 92, e20180985	1.4	
64	Process optimization of microwave-assisted alkali pretreatment for enhanced delignification of <i>Prosopis juliflora</i> biomass. <i>Environmental Progress and Sustainable Energy</i> , 2020 , 39, 13289	2.5	13
63	Optimization of ultrasound assisted extraction of pectin from custard apple peel: Potential and new source. <i>Carbohydrate Polymers</i> , 2019 , 225, 115240	10.3	42
62	Optimization of EDTA enriched phytoaccumulation of zinc by <i>Ophiopogon japonicus</i> : Comparison of Response Surface, Artificial Neural Network and Random Forest models. <i>Bioresource Technology Reports</i> , 2019 , 7, 100265	4.1	11
61	Recent Updates on Heavy Metal Remediation Using Date Stones (<i>Phoenix dactylifera</i> L.) [Date Fruit Processing Industry Waste. <i>Sustainable Agriculture Reviews</i> , 2019 , 193-206	1.3	9
60	Statistical optimization studies on adsorption of ibuprofen onto <i>Albizia lebeck</i> seed pods activated carbon prepared using microwave irradiation. <i>Materials Today: Proceedings</i> , 2018 , 5, 7264-7274	1.4	21
59	Phytoremediation of heavy metals: mechanisms, methods and enhancements. <i>Environmental Chemistry Letters</i> , 2018 , 16, 1339-1359	13.3	243

58	Ultrasound assisted extraction of pectin from waste <i>Artocarpus heterophyllus</i> fruit peel. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 525-530	8.9	103
57	Development and validation of ultrasound-assisted solid-liquid extraction of phenolic compounds from waste spent coffee grounds. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 206-213	8.9	157
56	Fixed-bed adsorption of atrazine onto microwave irradiated <i>Aegle marmelos</i> Correa fruit shell: Statistical optimization, process design and breakthrough modeling. <i>Journal of Molecular Liquids</i> , 2017 , 241, 823-830	6	32
55	Ultrasound assisted pectic polysaccharide extraction and its characterization from waste heads of <i>Helianthus annuus</i> . <i>Carbohydrate Polymers</i> , 2017 , 173, 707-713	10.3	47
54	Ultrasound assisted citric acid mediated pectin extraction from industrial waste of <i>Musa balbisiana</i> . <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 204-209	8.9	63
53	Ultrasound assisted extraction of bioactive compounds from <i>Nephelium lappaceum</i> L. fruit peel using central composite face centered response surface design. <i>Arabian Journal of Chemistry</i> , 2017 , 10, S1145-S1157	5.9	138
52	Multivariate statistical analysis and optimization of ultrasound-assisted extraction of natural pigments from waste red beet stalks. <i>Journal of Food Science and Technology</i> , 2016 , 53, 792-9	3.3	35
51	Modeling of polysaccharide extraction from <i>Gossypium arboreum</i> L. seed using central composite rotatable design. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 857-64	7.9	15
50	Natural Pigments Extraction from <i>Basella rubra</i> L. Fruits by Ultrasound-Assisted Extraction Combined with Box-Behnken Response Surface Design. <i>Separation Science and Technology</i> , 2015 , 50, 1532-1540	2.5	17
49	Evaluation of an electrocoagulation process for the treatment of bagasse-based pulp and paper industry wastewater. <i>Environmental Progress and Sustainable Energy</i> , 2015 , 34, 411-419	2.5	13
48	Supercritical fluid extraction of oil from muskmelon (<i>Cucumis melo</i>) seeds. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 47, 71-78	5.3	46
47	Process variables influence on microwave assisted extraction of pectin from waste <i>Carcia papaya</i> L. peel. <i>International Journal of Biological Macromolecules</i> , 2015 , 73, 202-6	7.9	56
46	Modeling of ultrasound assisted intensification of biodiesel production from neem (<i>Azadirachta indica</i>) oil using response surface methodology and artificial neural network. <i>Fuel</i> , 2015 , 143, 262-267	7.1	54
45	Comparison of response surface methodology and artificial neural network approach towards efficient ultrasound-assisted biodiesel production from muskmelon oil. <i>Ultrasonics Sonochemistry</i> , 2015 , 23, 192-200	8.9	101
44	Box-Behnken design based multi-response analysis and optimization of supercritical carbon dioxide extraction of bioactive flavonoid compounds from tea (<i>Camellia sinensis</i> L.) leaves. <i>Journal of Food Science and Technology</i> , 2015 , 52, 92-104	3.3	92
43	Response surface optimization of ultrasound assisted extraction of pectin from pomegranate peel. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 1323-8	7.9	124
42	Statistical optimization of aqueous extraction of pectin from waste durian rinds. <i>International Journal of Biological Macromolecules</i> , 2015 , 73, 92-8	7.9	42
41	Optimization of ultrasound-assisted extraction of natural pigments from <i>Bougainvillea glabra</i> flowers. <i>Industrial Crops and Products</i> , 2015 , 63, 182-189	5.9	57

40	Response surface modelling and optimization of treatment of meat industry wastewater using electrochemical treatment method. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 46, 160-167	5.3	43
39	Microwave-assisted extraction of polysaccharides from mulberry leaves. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 1-5	7.9	85
38	Microencapsulation of garlic oleoresin using maltodextrin as wall material by spray drying technology. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 210-7	7.9	51
37	Ultrasound-assisted extraction of pectin from sisal waste. <i>Carbohydrate Polymers</i> , 2015 , 115, 732-8	10.3	91
36	Extraction of natural anthocyanin and colors from pulp of jamun fruit. <i>Journal of Food Science and Technology</i> , 2015 , 52, 3617-26	3.3	13
35	Microwave-assisted extraction of pectic polysaccharide from waste mango peel. <i>Carbohydrate Polymers</i> , 2015 , 123, 67-71	10.3	80
34	Optimization of process parameters in electrocoagulation treating chicken industry wastewater to recover hydrogen gas with pollutant reduction. <i>Renewable Energy</i> , 2015 , 80, 101-108	8.1	27
33	Performance evaluation and optimization of electrocoagulation process to treat grey wastewater. <i>Desalination and Water Treatment</i> , 2015 , 55, 1703-1711		11
32	Mass transfer kinetics during osmotic dehydration of amla (<i>Embllica officinalis</i> L.) cubes in sugar solution. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2015 , 21, 547-559	0.7	6
31	Model development and process optimization for solvent extraction of polyphenols from red grapes using Box-Behnken design. <i>Preparative Biochemistry and Biotechnology</i> , 2014 , 44, 56-67	2.4	37
30	Microwave assisted extraction of pectin from waste <i>Citrullus lanatus</i> fruit rinds. <i>Carbohydrate Polymers</i> , 2014 , 101, 786-91	10.3	117
29	Process optimization and analysis of microwave assisted extraction of pectin from dragon fruit peel. <i>Carbohydrate Polymers</i> , 2014 , 112, 622-6	10.3	63
28	Modeling and investigation of submerged fermentation process to produce extracellular polysaccharide using <i>Lactobacillus confusus</i> . <i>Carbohydrate Polymers</i> , 2014 , 114, 43-47	10.3	11
27	Ultrasound-assisted extraction of polysaccharide from <i>Nephelium lappaceum</i> L. fruit peel. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 530-6	7.9	87
26	Degradation behavior of biocomposites based on cassava starch buried under indoor soil conditions. <i>Carbohydrate Polymers</i> , 2014 , 101, 20-8	10.3	88
25	Investigation on biogas production process from chicken processing industry wastewater using statistical analysis: Modelling and optimization. <i>Journal of Renewable and Sustainable Energy</i> , 2014 , 6, 043117	2.5	12
24	Treatment of egg processing industry effluent using chitosan as an adsorbent. <i>Journal of the Serbian Chemical Society</i> , 2014 , 79, 743-757	0.9	30
23	Bagasse wastewater treatment using biopolymer: A novel approach. <i>Journal of the Serbian Chemical Society</i> , 2014 , 79, 897-909	0.9	15

22	Optimization of electrocoagulation process to treat biologically pretreated bagasse effluent. <i>Journal of the Serbian Chemical Society</i> , 2014 , 79, 613-626	0.9	23
21	Influence of operating parameters on treatment of egg processing effluent by electrocoagulation process. <i>International Journal of Environmental Science and Technology</i> , 2014 , 11, 1619-1630	3.3	25
20	Chitosan based grey wastewater treatment--a statistical design approach. <i>Carbohydrate Polymers</i> , 2014 , 99, 593-600	10.3	39
19	Optimization of electrocoagulation process to treat grey wastewater in batch mode using response surface methodology. <i>Journal of Environmental Health Science & Engineering</i> , 2014 , 12, 29	2.9	46
18	Modeling and optimization of supercritical fluid extraction of anthocyanin and phenolic compounds from <i>Syzygium cumini</i> fruit pulp. <i>Journal of Food Science and Technology</i> , 2014 , 51, 1938-46	3.3	75
17	Analysis of Efficiency of <i>Bacillus subtilis</i> To Treat Bagasse Based Paper and Pulp Industry Wastewater-A Novel Approach. <i>Journal of the Korean Chemical Society</i> , 2014 , 58, 198-204		9
16	Development of model for mechanical properties of tapioca starch based edible films. <i>Industrial Crops and Products</i> , 2013 , 42, 159-168	5.9	104
15	Modeling and optimization of betalain extraction from <i>Opuntia ficus-indica</i> using Box-Behnken design with desirability function. <i>Industrial Crops and Products</i> , 2013 , 49, 304-311	5.9	66
14	Response surface modeling and analysis of barrier and optical properties of maize starch edible films. <i>International Journal of Biological Macromolecules</i> , 2013 , 60, 412-21	7.9	53
13	Optimization of microwave assisted extraction of pectin from orange peel. <i>Carbohydrate Polymers</i> , 2013 , 97, 703-9	10.3	190
12	Application of chitosan as an adsorbent to treat rice mill wastewater--mechanism, modelling and optimization. <i>Carbohydrate Polymers</i> , 2013 , 97, 451-7	10.3	47
11	Modeling and optimization of ultrasound-assisted extraction of polysaccharide from <i>Cucurbita moschata</i> . <i>Carbohydrate Polymers</i> , 2013 , 92, 2018-26	10.3	129
10	Artificial neural network and response surface methodology modeling in mass transfer parameters predictions during osmotic dehydration of <i>Carica papaya</i> L.. <i>AEJ - Alexandria Engineering Journal</i> , 2013 , 52, 507-516	6.1	117
9	Modeling and analysis of film composition on mechanical properties of maize starch based edible films. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 565-73	7.9	31
8	Box-Behnken design based statistical modeling for ultrasound-assisted extraction of corn silk polysaccharide. <i>Carbohydrate Polymers</i> , 2013 , 92, 604-11	10.3	261
7	Development of model for barrier and optical properties of tapioca starch based edible films. <i>Carbohydrate Polymers</i> , 2013 , 92, 1335-47	10.3	134
6	Treatment of Rice Mill Wastewater Using Continuous Electrocoagulation Technique: Optimization and Modelling. <i>Journal of the Korean Chemical Society</i> , 2013 , 57, 761-768		29
5	Response surface modeling and optimization of process parameters for aqueous extraction of pigments from prickly pear (<i>Opuntia ficus-indica</i>) fruit. <i>Dyes and Pigments</i> , 2012 , 95, 465-472	4.6	136

4	Treatment of pulp and paper industry bleaching effluent by electrocoagulant process. <i>Journal of Hazardous Materials</i> , 2011 , 186, 1495-502	12.8	139
3	Optimization, equilibrium and kinetic studies on ibuprofen removal onto microwave assisted - activated Aegle marmelos correa fruit shell84, 48-58		20
2	Evaluation of Mechanical and Water Absorption Behaviors of Jute/Carbon Fiber Reinforced Polyester Hybrid Composites. <i>Journal of Natural Fibers</i> ,1-13	1.8	9
1	Optimization and characterization of pectin recovered from Persea americana peel using statistical and non-statistical techniques. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	0