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## Determination of the Esterification Degree of Polygalacturonic Acid

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#	Paper	IF	Citations
55	Optimization of extraction of high-ester pectin from passion fruit peel ( <i>Passiflora edulis flavicarpa</i> ) with citric acid by using response surface methodology. <i>Bioresource Technology</i> , <b>2008</b> , 99, 5561-6	11	149
54	Extraction model of low methoxyl pectin from apple pomace effects of acid concentration and time on the process and the product. <i>Brazilian Archives of Biology and Technology</i> , <b>2009</b> , 52, 177-185	1.8	9
53	Optimisation of pectin acid extraction from passion fruit peel ( <i>Passiflora edulis flavicarpa</i> ) using response surface methodology. <i>International Journal of Food Science and Technology</i> , <b>2009</b> , 44, 476-483	3.8	84
52	A Comparative Study of Pectin Extracted from Passion Fruit Rind Flours. <i>Journal of Polymers and the Environment</i> , <b>2010</b> , 18, 593-599	4.5	22
51	Photocrosslinkable diazoresin/pectin films [Synthesis and application as cell culture supports. <i>European Polymer Journal</i> , <b>2011</b> , 47, 1503-1513	5.2	25
50	RHEOLOGICAL AND MACROMOLECULAR QUALITY OF PECTIN EXTRACTED WITH NITRIC ACID FROM PASSION FRUIT RIND. <i>Journal of Food Process Engineering</i> , <b>2012</b> , 35, 800-809	2.4	14
49	Optimization of the preparation of pectin from Aloe using a Box-Behnken design. <i>Carbohydrate Polymers</i> , <b>2014</b> , 105, 193-9	10.3	10
48	Injectable pectin hydrogels produced by internal gelation: pH dependence of gelling and rheological properties. <i>Carbohydrate Polymers</i> , <b>2014</b> , 103, 339-47	10.3	93
47	Extraction of pectin from passion fruit peel ( <i>Passiflora edulis f. flavicarpa</i> ) by microwave-induced heating. <i>Food Hydrocolloids</i> , <b>2014</b> , 38, 186-192	10.6	119
46	Large amplitudes oscillatory shear (LAOS) behavior of egg white foams with apple pectins and xanthan gum. <i>Food Research International</i> , <b>2014</b> , 62, 299-307	7	23
45	Orange pectin mediated growth and stability of aqueous gold and silver nanocolloids. <i>Applied Surface Science</i> , <b>2015</b> , 341, 28-36	6.7	24
44	Extraction of pectin from passion fruit peel using moderate electric field and conventional heating extraction methods. <i>Innovative Food Science and Emerging Technologies</i> , <b>2015</b> , 29, 201-208	6.8	86
43	Physicochemical properties of modified citrus pectins extracted from orange pomace. <i>Journal of Food Science and Technology</i> , <b>2015</b> , 52, 4102-12	3.3	36
42	Chitosan/pectin polyelectrolyte complex as a pH indicator. <i>Carbohydrate Polymers</i> , <b>2015</b> , 132, 537-45	10.3	168
41	Antibacterial activity of pectic-based edible films incorporated with Mexican lime essential oil. <i>Food Control</i> , <b>2015</b> , 50, 907-912	6.2	65
40	The effect of pectins and xanthan gum on physicochemical properties of egg white protein foams. <i>Journal of Food Engineering</i> , <b>2015</b> , 144, 129-137	6	18
39	Tratamento t�mico e qu�mico para controle da atividade da poligalacturonase no albedo do maracuj�. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2016</b> , 51, 388-396	1.8	

38	Combined Effect of High-Pressure and Conventional Heating on Pectin Extraction from Passion Fruit Peel. <i>Food and Bioprocess Technology</i> , <b>2016</b> , 9, 1021-1030	5.1	14
37	Extraction of pectin from passion fruit peel assisted by ultrasound. <i>LWT - Food Science and Technology</i> , <b>2016</b> , 71, 110-115	5.4	98
36	The analysis of the influence of xanthan gum and apple pectins on egg white protein foams using the large amplitude oscillatory shear method. <i>Food Hydrocolloids</i> , <b>2016</b> , 54, 293-301	10.6	27
35	Column chromatographic extraction for quickly separating the volatiles, flavonoids, and pectin from tangerine peel. <i>Separation Science and Technology</i> , <b>2016</b> , 51, 485-493	2.5	4
34	Pectin-zinc-chitosan-polyethylene glycol colloidal nano-suspension as a food grade carrier for colon targeted delivery of resveratrol. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 97, 16-22	7.9	45
33	Lead-binding capacity of calcium pectates with different molecular weight. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 97, 526-535	7.9	13
32	Comparison and optimization of two extract methods (atmospheric pressure and pressurized pretreatment) of pectin from <i>Zanthoxylum bungeanum</i> Maxim. seeds by response surface methodology. <i>Separation Science and Technology</i> , <b>2017</b> , 52, 1806-1814	2.5	2
31	Production and characterization of films based on blends of chitosan from blue crab ( <i>Callinectes sapidus</i> ) waste and pectin from Orange ( <i>Citrus sinensis</i> Osbeck) peel. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 676-683	7.9	61
30	Better Pectin Yield From Passion Fruit Peel ( <i>Passiflora edulis</i> f. <i>flavicarpa</i> ): From Shaker or Ultrasound? A Comparison. <i>Waste and Biomass Valorization</i> , <b>2017</b> , 8, 905-910	3.2	1
29	Utilization of the pectin and pulp of the passion fruit from Caatinga as probiotic food carriers. <i>Food Bioscience</i> , <b>2017</b> , 20, 56-61	4.9	23
28	Conductometric titration as a technique to determine variation in conductivity in perfluorosulfonic acid materials for fuel cells and electrolyzers. <i>International Journal of Energy and Environmental Engineering</i> , <b>2017</b> , 8, 123-134	4	1
27	Citrus pectin obtained by ultrasound-assisted extraction: Physicochemical, structural, rheological and functional properties. <i>CYTA - Journal of Food</i> , <b>2019</b> , 17, 463-471	2.3	13
26	Unexpected gelation behavior of citrus pectin induced by monovalent cations under alkaline conditions. <i>Carbohydrate Polymers</i> , <b>2019</b> , 212, 51-58	10.3	24
25	Orange and Passion Fruit Wastes Characterization, Substrate Hydrolysis and Cell Growth of <i>Cupriavidus necator</i> , as Proposal to Converting of Residues in High Value Added Product. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2019</b> , 91, e20180058	1.4	6
24	Pectin oligosaccharides from fruit of <i>Actinidia arguta</i> : Structure-activity relationship of prebiotic and antiglycation potentials. <i>Carbohydrate Polymers</i> , <b>2019</b> , 217, 90-97	10.3	43
23	Innovative functional nanodispersion: Combination of carotenoid from <i>Spirulina</i> and yellow passion fruit albedo. <i>Food Chemistry</i> , <b>2019</b> , 285, 397-405	8.5	18
22	Sequential extraction of phenolics and pectin from mango peel assisted by ultrasound. <i>Food Research International</i> , <b>2019</b> , 119, 455-461	7	69
21	Screening of glucan and pectin contents in broad bean ( <i>Vicia faba</i> L.) pods during maturation. <i>European Food Research and Technology</i> , <b>2020</b> , 246, 333-347	3.4	7

20	Array-induced voltages assisted extraction of pectin from grapefruit ( <i>Citrus paradisi</i> Macf.) peel and its characterization. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 152, 1205-1212	7.9	5
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18	Na <sup>+</sup> -induced gelation of a low-methoxyl pectin extracted from <i>Premna microphylla</i> Turcz. <i>Food Hydrocolloids</i> , <b>2021</b> , 110, 106153	10.6	8
17	Optimization of pectin extraction from fruit peels by response surface method: Conventional versus microwave-assisted heating. <i>Food Hydrocolloids</i> , <b>2021</b> , 113, 106475	10.6	32
16	Preparation of di- and tri- galacturonic acid by coupling hydrothermal pretreatment and enzymatic hydrolysis. <i>Process Biochemistry</i> , <b>2021</b> , 102, 180-185	4.8	1
15	Comparison of Analytical Methods for Determining Methylesterification and Acetylation of Pectin. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4461	2.6	1
14	Stearic acid esterified pectin: Preparation, characterization, and application in edible hydrophobic pectin/chitosan composite films. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 186, 528-534	7.9	5
13	Production of pea hull soluble fiber-derived oligosaccharides using subcritical water with carboxylic acids. <i>Journal of Supercritical Fluids</i> , <b>2021</b> , 178, 105349	4.2	2
12	Preparation of acylated blueberry anthocyanins through an enzymatic method in an aqueous/organic phase: effects on their colour stability and pH-response characteristics. <i>Food and Function</i> , <b>2021</b> , 12, 6821-6829	6.1	4
11	A Colon Targeted Delivery System for Resveratrol Enriching in pH Responsive-Model. <b>2017</b> , 23, 42-49		8
10	Acid Hydrolysis of Pectin for Cell Growth of <i>Cupriavidus necator</i> . <i>Biotechnology</i> , <b>2011</b> , 11, 29-36	0.1	3
9	Pectin Extraction and Characterization from Red Dragon Fruit ( <i>Hylocereus polyrhizus</i> ): A Preliminary Study. <i>Journal of Biological Sciences</i> , <b>2010</b> , 10, 631-636	0.4	17
8	Production of antioxidant pectin fractions, drying pretreatment methods and physicochemical properties: towards pisco grape pomace revalue. <i>Journal of Food Measurement and Characterization</i> ,	2.8	1
7	Effect of the immobilization of pectinase on the molecular weight distribution of pectin oligosaccharides obtained from citrus pectin. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2022</b> , 43, 102389	4.2	0
6	Brewed black tea waste ( <i>Camellia sinensis</i> L.) as alternative pectin source. <i>Journal of Food Measurement and Characterization</i> ,	2.8	
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- 2 Extraction of pectin from persimmon (*Diospyros kaki* L.). **2022**, 2, 100224 ○
- 1 Influence of extraction methods on navel orange peel pectin: structural characteristics, antioxidant activity and cytoprotective capacity. ○