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FT-IR study of plant cell wall model compounds: pectic polysaccharides and hemicelluloses

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1030	Anticorrosive Properties of Date Palm (Phoenix dactylifera L.) Fruit Juice on 7075 Type Aluminum Alloy in 3.5% NaCl Solution. <b>2012</b> , 51, 12835-12843	43
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1026	Palladium-free catalytic electroless copper deposition on bamboo fabric: Preparation, morphology and electromagnetic properties. <b>2012</b> , 258, 4782-4787	28
1025	Structure characterization and antitumor activity of an <b>B</b> glucan polysaccharide from Auricularia polytricha. <b>2012</b> , 45, 381-387	77
1024	Selective removal of lignin in steam-exploded rice straw by Phanerochaete chrysosporium. <b>2012</b> , 75, 89-95	26
1023	SAXS and ATR-FTIR studies on EBT-TSX mixtures in their sol-gel phases. <b>2012</b> , 51, 423-30	3
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1019	Determination of molecular weights and monosaccharide compositions in Abelmoschus manihot polysaccharides. <b>2012</b> , 86, 1469-1472	1
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1011	Quantitative determination of cellulose dissolved in 1-ethyl-3-methylimidazolium acetate using partial least squares regression on FTIR spectra. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 1124-1130	10.3	30
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1009	Yeast (1-3),(1-6)-d-glucan films: Preparation and characterization of some structural and physical properties. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 2496-2504	10.3	66
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1004	Coupling hyperspectral image data having different spatial resolutions by extending multivariate inter-battery Tucker analysis. <b>2012</b> , 113, 43-51		8
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999	All-wood biocomposites by partial dissolution of wood flour in 1-butyl-3-methylimidazolium chloride. <b>2013</b> , 127, 4802-4808		12
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949	STXM and NanoSIMS investigations on EPS fractions before and after adsorption to goethite. <b>2013</b> , 47, 3158-66	74
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942	Abiotic reduction of 1,3-dinitrobenzene by aqueous dissolved extracellular polymeric substances produced by microorganisms. <b>2013</b> , 42, 1441-8	26
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904	Antimicrobial pullulan derivative prepared by grafting with 3-aminopropyltrimethoxysilane: Characterization and ability to form transparent films. <b>2014</b> , 35, 247-252		45
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885	Pectin from Abelmoschus esculentus: optimization of extraction and rheological properties. <b>2014</b> , 70, 498-505	81
884	Antisolvent precipitation of water-soluble hemicelluloses from TMP process water. <i>Carbohydrate Polymers</i> , <b>2014</b> , 113, 411-9	12
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879	Drying process of pullulan edible films forming solutions studied by ATR-FTIR with two-dimensional correlation spectroscopy. <b>2014</b> , 150, 267-73	25
878	Carbohydrate elimination of alkaline-extracted lignin liquor by steam explosion and its methylolation for substitution of phenolic adhesive. <b>2014</b> , 53, 93-101	57
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873	Ionic Liquid Pretreatment of Woody Biomass To Facilitate Biorefinery: Structural Elucidation of Alkali-Soluble Hemicelluloses. <b>2014</b> , 2, 1035-1042	18
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852	Leads from Physical, Chemical, and Thermal Characterization on Cytotoxic Effects of Xylan-Based Microparticles. <b>2015</b> , 7, 2304-2315	14
851	Biomedical Biopolymers, their Origin and Evolution in Biomedical Sciences: A Systematic Review. <b>2015</b> , 9, ZE21-5	54
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847	XRD and FTIR Studies of Natural Cellulose Isolated from Pineapple (Ananas comosus) Leaf Fibres. <b>2015</b> , 1087, 197-201	2
846	Acacia senegal vs. Acacia seyal gums IPart 1: Composition and structure of hyperbranched plant exudates. <b>2015</b> , 51, 41-53	89
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844	Novel emulsifiers from olive processing solid waste. <b>2015</b> , 48, 274-281	21
843	Influence of Aloe vera on the properties of N-vinylpyrrolidone-Acrylamide copolymer hydrogel. <b>2015</b> , 168, 168-179	10
842	Use of infrared microspectroscopy to determine leaf biochemical composition of cassava in response to Bacillus subtilis CaSUT007 First and second authors are equally contributed to this work. View all notes. <b>2015</b> , 10, 270-279	21
842	response to Bacillus subtilis CaSUT007 First and second authors are equally contributed to this	21
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841	response to Bacillus subtilis CaSUT007 First and second authors are equally contributed to this work. View all notes. 2015, 10, 270-279  Structural and Thermal Investigation of Three Agricultural Biomasses Following Mild-NaOH Pretreatment to Increase Anaerobic Biodegradability. 2015, 6, 1135-1148  Differential effects of cerium oxide nanoparticles on rice, wheat, and barley roots: a fourier	6
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841 840 839 838	response to Bacillus subtilis CaSUT007©First and second authors are equally contributed to this work. View all notes. 2015, 10, 270-279  Structural and Thermal Investigation of Three Agricultural Biomasses Following Mild-NaOH Pretreatment to Increase Anaerobic Biodegradability. 2015, 6, 1135-1148  Differential effects of cerium oxide nanoparticles on rice, wheat, and barley roots: a fourier transform infrared (FT-IR) microspectroscopy study. 2015, 69, 287-95  Characterization of exopolysaccharides after sorption of silver ions in aqueous solution. 2015, 3, 210-216  Extracted polysaccharide from Nyctanthes arbor-tristis leaves: chemical and antitussive properties. 2015, 75, 128-32  Structure and rheological characteristics of fucoidan from sea cucumber Apostichopus japonicus.	6 44 21 3
840 839 838 837	response to Bacillus subtilis CaSUT007©First and second authors are equally contributed to this work. View all notes. 2015, 10, 270-279  Structural and Thermal Investigation of Three Agricultural Biomasses Following Mild-NaOH Pretreatment to Increase Anaerobic Biodegradability. 2015, 6, 1135-1148  Differential effects of cerium oxide nanoparticles on rice, wheat, and barley roots: a fourier transform infrared (FT-IR) microspectroscopy study. 2015, 69, 287-95  Characterization of exopolysaccharides after sorption of silver ions in aqueous solution. 2015, 3, 210-216  Extracted polysaccharide from Nyctanthes arbor-tristis leaves: chemical and antitussive properties. 2015, 75, 128-32  Structure and rheological characteristics of fucoidan from sea cucumber Apostichopus japonicus. 2015, 180, 71-76  Characterization of a novel polysaccharide purified from a herb of Cynomorium songaricum Rupr	6 44 21 3

834	Following the compositional changes of fresh grape skin cell walls during the fermentation process in the presence and absence of maceration enzymes. <b>2015</b> , 63, 2798-810	37
833	Structural, functional, and ACE inhibitory properties of water-soluble polysaccharides from chickpea flours. <b>2015</b> , 75, 276-82	109
832	Analysis of Lignocellulosic Biomass Using Infrared Methodology. <b>2015</b> , 7-25	9
831	Effect of 日rradiation on structure and nutraceutical potential of 即-glucan from barley (Hordeum vulgare). <b>2015</b> , 72, 1168-75	61
830	A novel biomass assisted synthesis of AuBrTiO 3 as a catalyst for direct hydrogen generation from formaldehyde aqueous solution at low temperature. <b>2015</b> , 40, 1752-1759	25
829	Study on in situ analysis of cellulose, hemicelluloses and lignin distribution linked to tissue structure of crop stalk internodal transverse section based on FTIR microspectroscopic imaging. <b>2015</b> , 22, 139-149	24
828	New magnetic nanobiocomposite based in galactomannan/glycerol and superparamagnetic nanoparticles. <b>2015</b> , 156, 113-120	9
827	Effect of the native polysaccharide of cashew-nut tree gum exudate on murine peritoneal macrophage modulatory activities. <i>Carbohydrate Polymers</i> , <b>2015</b> , 125, 241-8	28
826	Rehmannia glutinosa (Gaertn.) DC. polysaccharide ameliorates hyperglycemia, hyperlipemia and vascular inflammation in streptozotocin-induced diabetic mice. <b>2015</b> , 164, 229-38	66
825	Catalyst-free synthesis of carbon nanospheres for potential biomedical applications: waste to wealth approach. <b>2015</b> , 5, 24528-24533	20
824	Wood microstructure 🖪 cellular composite. <b>2015</b> , 3-26	8
823	Dissecting the polysaccharide-rich grape cell wall changes during winemaking using combined high-throughput and fractionation methods. <i>Carbohydrate Polymers</i> , <b>2015</b> , 133, 567-77	37
822	The nanostructural characterization of strawberry pectins in pectate lyase or polygalacturonase silenced fruits elucidates their role in softening. <i>Carbohydrate Polymers</i> , <b>2015</b> , 132, 134-45	45
821	Effect of ⊡irradiation on antioxidant and antiproliferative properties of oat ∄glucan. <b>2015</b> , 117, 120-127	26
820	Comparative wheat straw catalytic pyrolysis in the presence of zeolites, Pt/C, and Pd/C by using TGA-FTIR method. <b>2015</b> , 138, 645-653	31
819	Biowaste Sago Bark Based Catalyst Free Carbon Nanospheres: Waste to Wealth Approach. <b>2015</b> , 3, 2247-225	3 94
818	Effect of ultrasonic treatment on immunological activities of polysaccharides from adlay. <b>2015</b> , 80, 246-52	27
817	A combined view on composition, molecular structure, and micromechanics of fungal degraded softwood. <b>2015</b> , 69, 471-482	11

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816	Characterization of polysaccharides with antioxidant and immunological activities from Rhizoma Acori Tatarinowii. <i>Carbohydrate Polymers</i> , <b>2015</b> , 133, 154-62	10.3	44
815	Comparative evaluation of steam-assisted treatments of biomass components and sweet sorghum bagasse. <b>2015</b> , 6, 87-99		1
814	Cellulose Hydrolysis in Acidified LiBr Molten Salt Hydrate Media. <b>2015</b> , 54, 5226-5236		43
813	Modification of xylan in alkaline treated bleached hardwood kraft pulps as classified by attenuated total-internal-reflection (ATR) FTIR spectroscopy. <i>Carbohydrate Polymers</i> , <b>2015</b> , 127, 418-26	10.3	18
812	Hydrated fractions of cellulosics probed by infrared spectroscopy coupled with dynamics of deuterium exchange. <i>Carbohydrate Polymers</i> , <b>2015</b> , 127, 152-9	10.3	9
811	Pyrolysis behaviors of four O-acetyl-preserved hemicelluloses isolated from hardwoods and softwoods. <b>2015</b> , 150, 243-251		126
810	Structural characterization of a broccoli polysaccharide and evaluation of anti-cancer cell proliferation effects. <i>Carbohydrate Polymers</i> , <b>2015</b> , 126, 179-84	10.3	20
809	Chemical and biological characterization of polysaccharides from the bark of Avicennia marina. <b>2015</b> , 241, 17-25		11
808	Preparation and characterization of "carrageenan and xyloglucan blends for sustained release of a hydrophilic drug. <b>2015</b> , 72, 1647-1661		2
807	Synchrotron based phase contrast X-ray imaging combined with FTIR spectroscopy reveals structural and biomolecular differences in spikelets play a significant role in resistance to Fusarium in wheat. <b>2015</b> , 15, 24		23
806	Enhanced photocatalytic degradation properties of zinc oxide nanoparticles synthesized by using plant extracts. <b>2015</b> , 39, 23-29		109
805	A soy protein-polysaccharides Maillard reaction product enhanced the physical stability of oil-in-water emulsions containing citral. <b>2015</b> , 48, 155-164		106
804	A novel alkaline hemicellulosic heteroxylan isolated from alfalfa (Medicago sativa L.) stem and its thermal and anti-inflammatory properties. <b>2015</b> , 63, 2970-8		13
803	Structural, thermal, and anti-inflammatory properties of a novel pectic polysaccharide from alfalfa (Medicago sativa L.) stem. <b>2015</b> , 63, 3219-28		81
802	Installing extra bicarbonate transporters in the cyanobacterium Synechocystis sp. PCC6803 enhances biomass production. <b>2015</b> , 29, 76-85		64
801	Purified polysaccharides of Geoffroea spinosa barks have anticoagulant and antithrombotic activities devoid of hemorrhagic risks. <i>Carbohydrate Polymers</i> , <b>2015</b> , 124, 208-15	10.3	27
800	PLA/algae composites: Morphology and mechanical properties. <b>2015</b> , 73, 109-115		54
799	Antioxidant activity and structural features of Cinnamomum zeylanicum. <b>2015</b> , 5, 939-947		15

798	Characterizing visible and invisible cell wall mutant phenotypes. <b>2015</b> , 66, 4145-63	18
797	Application of vibrational spectroscopy techniques to non-destructively monitor plant health and development. <b>2015</b> , 7, 4059-4070	51
796	Extraction, purification, characterization and antioxidant activity of polysaccharides from Piteguo fruit. <b>2015</b> , 77, 467-475	30
795	Chemical and pharmacological profiles of Echinacea complex. <b>2015</b> , 79, 388-91	10
794	Analytical Methods for Lignocellulosic Biomass Structural Polysaccharides. <b>2015</b> , 1121-1180	1
793	Structural characterization and antioxidant activity of a novel heteropolysaccharide from the submerged fermentation mycelia of Ganoderma capense. <i>Carbohydrate Polymers</i> , <b>2015</b> , 134, 752-60	44
79 <sup>2</sup>	Opto-nanomechanical spectroscopic material characterization. <b>2015</b> , 10, 870-7	25
791	Intraspecific variability of cadmium tolerance and accumulation, and cadmium-induced cell wall modifications in the metal hyperaccumulator Arabidopsis halleri. <b>2015</b> , 66, 3215-27	83
790	Ectopic lignification in primary cellulose-deficient cell walls of maize cell suspension cultures. <b>2015</b> , 57, 357-72	24
789	Alyssum homolocarpum seed gum: Dilute solution and some physicochemical properties. <b>2015</b> , 81, 418-26	49
788	Diffuse reflectance Fourier transform infrared spectroscopy for simultaneous quantification of total phenolics and condensed tannins contained in grape seeds. <b>2015</b> , 74, 784-791	21
787	Processing of Soju Industrial Bioresidue to Extract Microcrystalline Cellulose and Characterization. <b>2015</b> , 30, 337-343	
786	In situ synthesis of silver nanoparticles dispersed or wrapped by a Cordyceps sinensis exopolysaccharide in water and their catalytic activity. <b>2015</b> , 5, 69790-69799	32
7 <sup>8</sup> 5	Biomolecule incorporated poly-Laprolactone nanofibrous scaffolds for enhanced human meniscal cell attachment and proliferation. <b>2015</b> , 5, 73552-73561	31
784	Localization of polyhydroxybutyrate in sugarcane using Fourier-transform infrared microspectroscopy and multivariate imaging. <b>2015</b> , 8, 98	8
783	Tuning Fe3O4 nanoparticle dispersion through pH in PVA/guar gum/electrospun membranes.  Carbohydrate Polymers, 2015, 134, 775-83	22
782	Variations in cell wall monosaccharide composition during seed development in Coffea arabica L. Comparison between Coffea arabica var. Bourbon and Coffea arabica var. Laurina. <b>2015</b> , 29, 1871-1881	2
781	Capillary penetration in cellulose and polyethylene porous media: effect of contact with vapours and partial saturation with a non-miscible liquid. <b>2015</b> , 483, 297-306	6

7 <sup>8</sup> 0	Thermoresponsive cryogels reinforced with cellulose nanocrystals. <b>2015</b> , 5, 77643-77650	19
779	Structure characterization of a novel polysaccharide from Dictyophora indusiata and its macrophage immunomodulatory activities. <b>2015</b> , 63, 535-44	122
778	Middle infrared (ATR FT-MIR) characterization of industrial tannin extracts. <b>2015</b> , 65, 422-428	63
777	Altered cell wall properties are responsible for ammonium-reduced aluminium accumulation in rice roots. <b>2015</b> , 38, 1382-90	45
776	Torrefaction of tomato industry residues. <b>2015</b> , 143, 89-97	67
775	Peroxidase-mediated conjugation of corn fiber gum and bovine serum albumin to improve emulsifying properties. <i>Carbohydrate Polymers</i> , <b>2015</b> , 118, 70-8	45
774	Ultrasonic-assisted enzymatic extraction of polysaccharide from Corbicula fluminea: Characterization and antioxidant activity. <b>2015</b> , 60, 1113-1121	74
773	Purification, antioxidant and immunological activities of polysaccharides from Actinidia Chinensis roots. <b>2015</b> , 72, 975-83	39
77 <sup>2</sup>	The self-assembled network and physiological degradation of pectins in carrot cell walls. <b>2015</b> , 43, 41-50	78
771	Recovery and purification of oligosaccharides from copra meal by recombinant endo-mannanase and deciphering molecular mechanism involved and its role as potent therapeutic agent. <b>2015</b> , 57, 111-27	41
770	Assessment of integrated process based on hydrothermal and alkaline treatments for enzymatic saccharification of sweet sorghum stems. <b>2015</b> , 175, 473-9	58
769	Assessment of antiproliferative activity of pectic substances obtained by different extraction methods from rapeseed cake on cancer cell lines. <i>Carbohydrate Polymers</i> , <b>2015</b> , 117, 923-932	24
768	Phylogeny of cultivated and wild wheat species using ATR-FTIR spectroscopy. <b>2015</b> , 135, 757-63	25
767	Extraction, characterization and in vitro antioxidant activity of polysaccharides from black soybean. <b>2015</b> , 72, 1182-90	56
766	A biocompatible calcium salt of hyaluronic acid grafted with polyacrylic acid. <i>Carbohydrate Polymers</i> , <b>2015</b> , 117, 43-53	20
765	Combining FT-IR spectroscopy and multivariate analysis for qualitative and quantitative analysis of the cell wall composition changes during apples development. <i>Carbohydrate Polymers</i> , <b>2015</b> , 115, 93-103 <sup>10.3</sup>	56
764	Cell Wall Biomolecular Composition Plays a Potential Role in the Host Type II Resistance to Fusarium Head Blight in Wheat. <b>2016</b> , 7, 910	22
763	Temporal Metagenomic and Metabolomic Characterization of Fresh Perennial Ryegrass Degradation by Rumen Bacteria. <b>2016</b> , 7, 1854	28

762	Extraction, Purification and Primary Characterization of Polysaccharides from Defatted Peanut (Arachis hypogaea) Cakes. <b>2016</b> , 21,		7
761	Introducing Prunus cerasus gum exudates: Chemical structure, molecular weight, and rheological properties. <b>2016</b> , 61, 946-955		51
760	Comparison of pinoresinol diglucoside production by Phomopsis sp. XP-8 in different media and the characterisation and product profiles of the cultivation in mung bean. <b>2016</b> , 96, 4015-25		4
759	Physiological and biochemical differences among Ulmus minor genotypes showing a gradient of resistance to Dutch elm disease. <b>2016</b> , 46, 215-228		9
758	Fagus sylvatica glucuronoxylan sulfate⊞hemical profile and pharmacological view. <b>2016</b> , 68, 621-628		
757	Production of extracellular fructans by Gluconobacter nephelii P1464. <b>2016</b> , 62, 145-52		11
756	Multivariate Analysis of Hemicelluloses in Bleached Kraft Pulp Using Infrared Spectroscopy. <b>2016</b> , 70, 1981-1993		4
755	Ultrasonic Synthesis and Properties of Sodium Lignosulfonate-grafted Poly(Acrylic Acid-co-Vinyl Alcohol) Composite Superabsorbent Polymer. <b>2016</b> , 69, 1155		7
754	In-situ micro-FTIR spectroscopic observation on the hydration process of Poria cocos. <b>2016</b> , 164, 61-6		4
753	Simple, fast, and accurate methodology for quantitative analysis using Fourier transform infrared spectroscopy, with bio-hybrid fuel cell examples. <b>2016</b> , 3, 128-38		15
752	Purification, characterization and antioxidant activity of polysaccharides from Flammulina velutipes residue. <i>Carbohydrate Polymers</i> , <b>2016</b> , 145, 71-7	10.3	92
751	Production of silver nanoparticles using yeasts and evaluation of their antifungal activity against phytopathogenic fungi. <b>2016</b> , 51, 1306-1313		80
750	Extraction optimization by response surface methodology of mucilage polysaccharide from the peel of Opuntia dillenii haw. fruits and their physicochemical properties. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 381-391	10.3	42
749	Cross-coupling of propargylated arabinogalactan with 2-bromothiophene. <i>Carbohydrate Polymers</i> , <b>2016</b> , 150, 82-8	10.3	5
748	Examination of the chemical changes in spruce wood degraded by brown-rot fungi using FT-IR and FT-Raman spectroscopy. <b>2016</b> , 85, 202-207		43
747	The degradation, antioxidant and antimutagenic activity of the mucilage polysaccharide from Dioscorea opposita. <i>Carbohydrate Polymers</i> , <b>2016</b> , 150, 227-31	10.3	63
746	Purification, characterization and anti-proliferation activities of polysaccharides extracted from Viscum coloratum (Kom.) Nakai. <i>Carbohydrate Polymers</i> , <b>2016</b> , 149, 121-30	10.3	60
745	Intestinal immunomodulating activity and structural characterization of a new polysaccharide from stems of Dendrobium officinale. <b>2016</b> , 7, 2789-99		43

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744	Structure and antioxidative property of a polysaccharide from an ammonium oxalate extract of Phellinus linteus. <b>2016</b> , 91, 92-9		17
743	Incorporation of Aloe vera extracts into nanocellulose during biosynthesis. <b>2016</b> , 23, 545-555		13
742	Stepwise extraction of Lepidium sativum seed gum: Physicochemical characterization and functional properties. <b>2016</b> , 88, 553-64		17
74 <sup>1</sup>	Perfluoroalkylated Substance Effects in Xenopus laevis A6 Kidney Epithelial Cells Determined by ATR-FTIR Spectroscopy and Chemometric Analysis. <b>2016</b> , 29, 924-32		17
740	Pectins, Hemicelluloses and Celluloses Show Specific Dynamics in the Internal and External Surfaces of Grape Berry Skin During Ripening. <b>2016</b> , 57, 1332-49		60
739	Optimization of infrared-assisted extraction of Bletilla striata polysaccharides based on response surface methodology and their antioxidant activities. <i>Carbohydrate Polymers</i> , <b>2016</b> , 148, 345-53	10.3	104
738	Response surface methodology for the synthesis of an Auricularia auriculajudae polysaccharides-CDDP complex. <b>2016</b> , 93, 333-343		25
737	Utilization of Seawater for the Biorefinery of Lignocellulosic Biomass: Ionic Liquid Pretreatment, Enzymatic Hydrolysis, and Microbial Lipid Production. <b>2016</b> , 4, 5659-5666		33
736	Organic matter sulfurization on protracted diagenetic timescales: The possible role of anaerobic oxidation of methane. <b>2016</b> , 381, 54-66		12
735	Polyphenolic-polysaccharide conjugates of Sanguisorba officinalis L. with anticoagulant activity mediated mainly by heparin cofactor II. <b>2016</b> , 93, 1019-1029		20
734	Effects of glycerol and nanoclay on physiochemical properties of camelina gum-based films. <i>Carbohydrate Polymers</i> , <b>2016</b> , 152, 747-754	10.3	25
733	Xylan and xylan derivativesTheir performance in bio-based films and effect of glycerol addition. <b>2016</b> , 94, 682-689		24
732	Removal of Pb2+ and Cd2+ from drinking water using polysaccharide extract isolated from cactus pads (Opuntia ficus indica). <b>2016</b> , 133,		9
731	Low cost, high performance supercapacitor electrode using coconut wastes: eco-friendly approach. <b>2016</b> , 25, 880-887		50
730	Fourier transform infrared spectroscopy supported by multivariate statistics in compatibility study of atenolol with excipients. <b>2016</b> , 86, 190-197		11
729	Structural studies of the arabinogalactans in Mangifera indica L. fruit exudate. <b>2016</b> , 61, 555-566		12
728	Structural characteristics and antioxidant activity in vivo of a polysaccharide isolated from Phellinus linteus mycelia. <b>2016</b> , 65, 110-117		17
727	FT-IR and FT-Raman characterization of non-cellulosic polysaccharides fractions isolated from plant cell wall. <i>Carbohydrate Polymers</i> , <b>2016</b> , 154, 48-54	10.3	97

726	Fractionation, physicochemical characteristics and biological activities of polysaccharides from Pueraria lobata roots. <b>2016</b> , 67, 54-60	31
725	Protein-free cress seed (Lepidium sativum) gum: Physicochemical characterization and rheological properties. <i>Carbohydrate Polymers</i> , <b>2016</b> , 153, 14-24	17
724	Surface properties of xylan and xylan derivatives measured by inverse gas chromatography. <b>2016</b> , 506, 600-606	7
723	Investigation of the manganese stress on wheat plant by attenuated total reflectance Fourier transform infrared spectroscopy. <b>2016</b> , 49, 520-528	20
722	Synthesis and Characterization of Periodate-Oxidized Polysaccharides: Dialdehyde Xylan (DAX). <b>2016</b> , 17, 2972-80	52
721	Analyses of Biomass Fibers by XRD, FT-IR, and NIR. <b>2016</b> , 45-83	8
720	Per-O-acylation of xylan at room temperature in dimethylsulfoxide/N-methylimidazole. <b>2016</b> , 23, 2863-2876	8
719	Effect of mild alkali/ultrasound treatment on flax and hemp fibres: the different responses of the two substrates. <b>2016</b> , 23, 2117-2128	12
718	Antioxidant and hepatoprotective activities of intracellular polysaccharide from Pleurotus eryngii SI-04. <b>2016</b> , 91, 568-77	54
717	Preparation and characterization of cationic and amphoteric mannans from Candida albicans.  Carbohydrate Polymers, <b>2016</b> , 149, 1-7	7
716	Effect of homogenization (microfluidization) process parameters in mechanical production of micro- and nanofibrillated cellulose on its rheological and morphological properties. <b>2016</b> , 23, 1221-1238	64
715	Reducing the heterogeneity of xylan through processing. <i>Carbohydrate Polymers</i> , <b>2016</b> , 150, 250-8 10.3	13
714	Screening of Astaxanthin-Hyperproducing Haematococcus pluvialis Using Fourier Transform Infrared (FT-IR) and Raman Microspectroscopy. <b>2016</b> , 70, 1639-1648	23
713	Comparison of macromolecular interactions in the cell walls of hardwood, softwood and maize by fluorescence and FTIR spectroscopy, differential polarization laser scanning microscopy and X-ray diffraction. <b>2016</b> , 50, 547-566	10
712	Structural Characterization and Pyrolysis Behavior of Cellulose and Hemicellulose Isolated from Softwood Pinus armandii Franch. <b>2016</b> , 30, 5721-5728	39
711	Ultrasound assisted extraction of polysaccharides from hazelnut skin. <b>2016</b> , 22, 112-21	9
710	Evaluation of some important physicochemical properties of starch free grewia gum. <b>2016</b> , 53, 134-140	19
709	Emulsifiers Extracted from Winery Waste. <b>2016</b> , 7, 533-542	11

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708	Hemicellulose isolation, characterization, and the production of xylo-oligosaccharides from the wastewater of a viscose fiber mill. <i>Carbohydrate Polymers</i> , <b>2016</b> , 141, 238-43	10.3	40
707	Mesquite seed gum and palm fruit oil emulsion edible films: Influence of oil content and sonication. <b>2016</b> , 56, 227-235		28
706	Extraction of polysaccharides and its antitumor activity on Magnolia kwangsiensis Figlar & Noot. <i>Carbohydrate Polymers</i> , <b>2016</b> , 142, 98-104	10.3	31
705	Modified bacterial cellulose scaffolds for localized doxorubicin release in human colorectal HT-29 cells. <b>2016</b> , 140, 421-429		52
704	©Glucan as an encapsulating agent: Effect on probiotic survival in simulated gastrointestinal tract. <b>2016</b> , 82, 217-22		45
703	Bacterial nanocellulose-pectin bionanocomposites as prebiotics against drying and gastrointestinal condition. <b>2016</b> , 83, 9-18		44
702	Structural and physicochemical characteristics of a novel water-soluble gum from Lallemantia royleana seed. <b>2016</b> , 83, 142-51		51
701	Structure elucidation of a bioactive polysaccharide from fruiting bodies of Hericium erinaceus in different maturation stages. <i>Carbohydrate Polymers</i> , <b>2016</b> , 144, 196-204	10.3	52
700	Effect of roasting on physicochemical, functional and antioxidant properties of arrowhead (Sagittaria sagittifolia L.) flour. <b>2016</b> , 197, 345-52		38
699	Xylan synthesized by Irregular Xylem 14 (IRX14) maintains the structure of seed coat mucilage in Arabidopsis. <b>2016</b> , 67, 1243-57		38
698	Biorefinery process for the simultaneous recovery of lignin, hemicelluloses, cellulose nanocrystals and silica from rice husk and Arundo donax. <b>2016</b> , 86, 31-39		70
697	Adsorption behaviour of copper onto a novel modified chitosan material: thermodynamic study. <b>2016</b> , 57, 25080-25088		0
696	Limits of variations on the structure and the fuel characteristics of sunflower seed shell through torrefaction. <b>2016</b> , 144, 197-202		26
695	Structural characterization and biological activities of two 由lucans from radix paeoniae alba. <b>2016</b> , 33, 147-57		8
694	Application of chemometric analysis to infrared spectroscopy for the identification of wood origin. <b>2016</b> , 23, 901-913		10
693	Structural characterization, Eglucosidase inhibitory and DPPH scavenging activities of polysaccharides from guava. <i>Carbohydrate Polymers</i> , <b>2016</b> , 144, 106-14	10.3	102
692	Development and characterization of reconstituted hydrogel from Aloe vera (Aloe barbadensis Miller) powder. <b>2016</b> , 10, 411-424		11
691	Characterization of gum isolated from Camelina seed. <b>2016</b> , 83, 268-274		23

690	Structural and physical properties of sanxan polysaccharide from Sphingomonas sanxanigenens. <i>Carbohydrate Polymers</i> , <b>2016</b> , 144, 410-8	10.3	26
689	Modified pectic polysaccharide from turmeric (Curcuma longa): A potent dietary component against gastric ulcer. <i>Carbohydrate Polymers</i> , <b>2016</b> , 138, 143-55	10.3	32
688	Antisense down-regulation of the strawberry to alactosidase gene Fattal4 increases cell wall galactose levels and reduces fruit softening. <b>2016</b> , 67, 619-31		72
687	Changes in the chemical properties and swelling coefficient of alfalfa root cell walls in the presence of toluene as a toxic agent. <b>2016</b> , 23, 7022-31		12
686	Purification of cress seed (Lepidium sativum) gum: Physicochemical characterization and functional properties. <i>Carbohydrate Polymers</i> , <b>2016</b> , 141, 166-74	10.3	31
685	Structural characterization and antioxidant activity in vitro of polysaccharides from angelica and astragalus. <i>Carbohydrate Polymers</i> , <b>2016</b> , 137, 154-164	10.3	109
684	Bioinspired composites from cross-linked galactoglucomannan and microfibrillated cellulose: Thermal, mechanical and oxygen barrier properties. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 146-53	10.3	26
683	Some physico-chemical properties of Prunus armeniaca L. gum exudates. <b>2016</b> , 82, 744-50		35
682	Purification, characterization and hepatoprotective activities of mycelia zinc polysaccharides by Pleurotus djamor. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 588-97	10.3	50
681	Structure identification of a polysaccharide purified from Lycium barbarium fruit. <b>2016</b> , 82, 696-701		74
680	Extraction, characterization and antioxidant activity of polysaccharides of spent mushroom compost of Ganoderma lucidum. <b>2016</b> , 82, 432-9		40
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662	Structural and functional properties of pectin extracted from jackfruit (Artocarpus heterophyllus) waste: Effects of drying. <b>2017</b> , 20, S190-S201	27
661	In vivo cough suppressive activity of pectic polysaccharide with arabinogalactan type II side chains of Piper nigrum fruits and its synergistic effect with piperine. <b>2017</b> , 99, 335-342	15
660	Rheological behavior and antioxidant activity of a highly acidic gum from Althaea officinalis flower. <b>2017</b> , 69, 432-439	30
659	Processing optimization and anti-oxidative activity of enzymatic extractable polysaccharides from Pleurotus djamor. <b>2017</b> , 98, 469-478	12
658	Nanostructured cellulose-xyloglucan blends via ionic liquid/water processing. <i>Carbohydrate Polymers</i> , <b>2017</b> , 168, 163-172	11
657	Lactobacillus plantarum CIDCA 8327: An Eglucan producing-strain isolated from kefir grains.  Carbohydrate Polymers, <b>2017</b> , 170, 52-59	25
656	Pectin recovery from sugar beet pulp enhanced by high-voltage electrical discharges. <b>2017</b> , 103, 95-103	32
655	Purification, in vitro antioxidant and in vivo anti-aging activities of exopolysaccharides by Agrocybe cylindracea. <b>2017</b> , 102, 351-357	21

654	Stabilization of Polylactic Acid and Polyethylene with Nutshell Extract: Efficiency Assessment and Economic Evaluation. <b>2017</b> , 5, 4607-4618	24
653	Nanoencapsulation of Aloe vera in Synthetic and Naturally Occurring Polymers by Electrohydrodynamic Processing of Interest in Food Technology and Bioactive Packaging. <b>2017</b> , 65, 4439-444	18 <sup>42</sup>
652	. <b>2017</b> , 23, 1-9	45
651	Gelation of rhamnogalacturonan I is based on galactan side chain interaction and does not involve chemical modifications. <i>Carbohydrate Polymers</i> , <b>2017</b> , 171, 143-151	28
650	Boreal pollen contain ice-nucleating as well as ice-binding 'antifreeze' polysaccharides. <b>2017</b> , 7, 41890	66
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647	Salicylic acid-induced accumulation of biochemical components associated with resistance against Xanthomonas oryzae pv. oryzae in rice. <b>2017</b> , 12, 108-120	26
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644	Microencapsulation of hesperidin in polyelectrolyte complex microbeads: Physico-chemical evaluation and release behavior. <b>2017</b> , 214, 104-116	20
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639	Hydrothermal and microwave assisted alkali pretreatment for fractionation of arecanut husk. <b>2017</b> , 102, 65-74	34
638	Physicochemical properties and cell-based bioactivity of Pu'erh tea polysaccharide conjugates. <b>2017</b> , 104, 1294-1301	25
637	Detecting nutrient deficiency in plant systems using synchrotron Fourier-transform infrared microspectroscopy. <b>2017</b> , 90, 46-55	15

636	Extraction and characterization of anti-oxidative polysaccharide protein complexes from Corbicula fluminea through three-phase partitioning. <b>2017</b> , 7, 11067-11075	18	
635	Eco-friendly soluble soybean polysaccharide/nanoclay Na bionanocomposite: Properties and characterization. <i>Carbohydrate Polymers</i> , <b>2017</b> , 169, 524-532	.3 26	
634	FT-IR and DFT study of lemon peel. <b>2017</b> ,	2	
633	Construction of a Cordyceps sinensis exopolysaccharide-conjugated selenium nanoparticles and enhancement of their antioxidant activities. <b>2017</b> , 99, 483-491	65	
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631	Physicochemical properties and antioxidant activities of polysaccharides from Gynura procumbens leaves by fractional precipitation. <b>2017</b> , 95, 719-724	39	
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629	Physico-chemical characterization and pharmacological activities of sulfated polysaccharide from sea urchin, Paracentrotus lividus. <b>2017</b> , 97, 8-15	21	
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623	Physiological Response of Vetiveria Zizanioides to Cadmium Stress Revealed by Fourier Transform Infrared Spectroscopy. <b>2017</b> ,	2	
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621	Carbon nanospheres derived from Lablab purpureus for high performance supercapacitor electrodes: a green approach. <b>2017</b> , 46, 14034-14044	70	
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619	Effects of adhesions of amorphous Fe and Al hydroxides on surface charge and adsorption of K and Cd on rice roots. <b>2017</b> , 145, 207-213	6	

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616	Comparison of laccase-catalyzed cross-linking of organosolv lignin and lignosulfonates. <b>2017</b> , 105, 438-4	146	12
615	Tilia tomentosa pectins exhibit dual mode of action on phagocytes as ��lucuronic acid monomers are abundant in their rhamnogalacturonans I. <i>Carbohydrate Polymers</i> , <b>2017</b> , 175, 178-191	10.3	34
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612	Differentiation and identification of grape-associated black aspergilli using Fourier transform infrared (FT-IR) spectroscopic analysis of mycelia. <b>2017</b> , 259, 22-28		9
611	A Simple Two-Step Method for the Selective Conversion of Hemicellulose in Pubescens to Furfural. <b>2017</b> , 5, 8137-8147		40
610	Microwave-assisted extraction and pharmacological evaluation of polysaccharides from Posidonia oceanica. <b>2017</b> , 81, 1917-1925		11
609	Characterization of structural cell wall polysaccharides in cattail (Typha latifolia): Evaluation as potential biofuel feedstock. <i>Carbohydrate Polymers</i> , <b>2017</b> , 175, 679-688	10.3	18
608	Physicochemical properties of apple juice during sequential steps of the industrial processing and functional properties of pectin fractions from the generated pomace. <b>2017</b> , 86, 465-472		8
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606	The experimental vibrational infrared spectrum of lemon peel and simulation of spectral properties of the plant cell wall. <b>2017</b> , 123, 495-500		7
605	In Situ Nondestructive Analysis of Kalanchoe pinnata Leaf Surface Structure by Polarization-Modulation Infrared Reflection-Absorption Spectroscopy. <b>2017</b> , 121, 11124-11131		7
604	Effect of gamma irradiation on physicochemical, structural and rheological properties of plant exudate gums. <b>2017</b> , 44, 74-82		23
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598	Physicochemical properties and in vitro antioxidant activities of polysaccharide from Artocarpus heterophyllus Lam. pulp. <i>Carbohydrate Polymers</i> , <b>2017</b> , 155, 354-361	10.3	54	
597	Rheological and chemical properties of pectin enriched fractions from different sources extracted with citric acid. <i>Carbohydrate Polymers</i> , <b>2017</b> , 156, 443-451	10.3	32	
596	Cornstalk liquefaction in sub- and super-critical ethanol: Characterization of solid residue and the liquefaction mechanism. <b>2017</b> , 90, 734-742		15	
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594	Structural evolution of chars from biomass components pyrolysis in a xenon lamp radiation reactor. <b>2017</b> , 25, 232-237		16	
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591	Morphology and properties of neutralized chitosan-cellulose nanocrystals biocomposite films. <i>Carbohydrate Polymers</i> , <b>2017</b> , 156, 452-459	10.3	39	
590	Gel characteristics and microstructure of fish myofibrillar protein/cassava starch composites. <b>2017</b> , 218, 221-230		57	
589	Cellulose-xyloglucan composite film processing using ionic liquids as co-solvents. 2017,		1	
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582	Purification, Characterization, and Antioxidant Activity of Polysaccharides Isolated from Cortex Periplocae. <b>2017</b> , 22,	21
581	Organic Catalysis for Ring-Opening Graft Polymerization of p-Dioxanone with Xylan in Ionic liquid. <b>2017</b> , 9,	5
580	Optimization of Subcritical Water Extraction of Polysaccharides from Inonotus Obliquus and their Antioxidant Activities. <b>2017</b> , 9, 38	3
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545	Structural and rheological studies of a polysaccharide mucilage from lacebark leaves (Hoheria populnea A. Cunn.). <b>2018</b> , 111, 839-847		26
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543	Characterization, anti-oxidation and anti-inflammation of polysaccharides by Hypsizygus marmoreus against LPS-induced toxicity on lung. <b>2018</b> , 111, 121-128		31
542	Two-steps gas double-dynamic solid-state fermentation enhances growth and spore production of Conithyrium minitans. <b>2018</b> , 262, 235-241		2
541	Rapid identification and quantification three chicken-wing woods of Millettia leucantha, Millettia laurentii and Cassia siamea by FT-IR and 2DCOS-IR. <b>2018</b> , 1166, 164-168		11
540	Lignin and holocellulose from pecan nutshell as reinforcing fillers in poly (lactic acid) biocomposites. <b>2018</b> , 115, 727-736		33
539	Hybrid bacterial cellulosepectin films for delivery of bioactive molecules. <b>2018</b> , 42, 7457-7467		33
538	Polyelectrolyte complex of Aloe vera, chitosan, and alginate produced fibroblast and lymphocyte viabilities and migration. <i>Carbohydrate Polymers</i> , <b>2018</b> , 192, 84-94	10.3	17
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530	Sequential extraction and physicochemical characterization of polysaccharides from chicory (Cichorium intybus) root pulp. <b>2018</b> , 77, 277-285		10
529	Leaf Attenuated Total Reflection Fourier Transform Infrared (ATR-FTIR) biochemical profile of grassland plant species related to land-use intensity. <b>2018</b> , 84, 803-810		11

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525	Structures, bioactivities and future prospective of polysaccharides from Morus alba (white mulberry): A review. <b>2018</b> , 245, 899-910		76
524	Classification of tree species based on longwave hyperspectral data from leaves, a case study for a tropical dry forest. <b>2018</b> , 66, 93-105		31
523	Study of chemical characteristics, gelation properties and biological application of calcium pectate prepared using apple or citrus pectin. <b>2018</b> , 109, 180-187		20
522	Extraction and characterization of soy hull polysaccharide-protein fractions. Analysis of aggregation and surface rheology. <b>2018</b> , 79, 40-47		18
521	Extraction and characterization of RG-I enriched pectic polysaccharides from mandarin citrus peel. <b>2018</b> , 79, 579-586		72
520	Isolation of nanocrystalline cellulose from rice straw and preparation of its biocomposites with chitosan: Physicochemical characterization and evaluation of interfacial compatibility. <b>2018</b> , 154, 8-17		67
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517 516	FT-MIR and NIR spectral data fusion: a synergetic strategy for the geographical traceability of Panax notoginseng. 2018, 410, 91-103  Degradation changes in plant root cell wall structural molecules during extended decomposition of important agricultural crop and forage species. 2018, 115, 233-245  Early Diagnosis of Mercury Stress of Wheat Seedlings Using Attenuated Total Reflection Fourier Transform Infrared Spectroscopy. 2018, 51, 1544-1563  Natural Compounds for Skin Tissue Engineering by Electrospinning of Nylon-Beta Vulgaris. 2018,		6
517 516 515	FT-MIR and NIR spectral data fusion: a synergetic strategy for the geographical traceability of Panax notoginseng. 2018, 410, 91-103  Degradation changes in plant root cell wall structural molecules during extended decomposition of important agricultural crop and forage species. 2018, 115, 233-245  Early Diagnosis of Mercury Stress of Wheat Seedlings Using Attenuated Total Reflection Fourier Transform Infrared Spectroscopy. 2018, 51, 1544-1563  Natural Compounds for Skin Tissue Engineering by Electrospinning of Nylon-Beta Vulgaris. 2018, 64, 261-269  Ultrasound-assisted Extraction of Polysaccharide from Radix Bupleuri using Response Surface		6
517 516 515 514	FT-MIR and NIR spectral data fusion: a synergetic strategy for the geographical traceability of Panax notoginseng. 2018, 410, 91-103  Degradation changes in plant root cell wall structural molecules during extended decomposition of important agricultural crop and forage species. 2018, 115, 233-245  Early Diagnosis of Mercury Stress of Wheat Seedlings Using Attenuated Total Reflection Fourier Transform Infrared Spectroscopy. 2018, 51, 1544-1563  Natural Compounds for Skin Tissue Engineering by Electrospinning of Nylon-Beta Vulgaris. 2018, 64, 261-269  Ultrasound-assisted Extraction of Polysaccharide from Radix Bupleuri using Response Surface Methodology and Antioxidant Research of the Polysaccharide. 2018, 13, 1934578X1801300  Water-Soluble Polysaccharides of Alfalfa (Medicago sativa (Fabaceae)) of Flora of Krasnoyarsk Krai.		6 10 13

510	Pilot study: Tumor suppressive effect of crude polysaccharide substances extracted from some selected mushroom. <b>2018</b> , 7, 767-775		4
509	Physicochemical and functional properties of Cucurbita maxima pumpkin pectin and commercial citrus and apple pectins: A comparative evaluation. <b>2018</b> , 13, e0204261		35
508	Overexpression of Cicer arietinum II-Gal but not IV-Gal in arabidopsis causes a reduction of cell wall II(1,4)-galactan compensated by an increase in homogalacturonan. <b>2018</b> , 231, 135-146		1
507	Isolation and Characterization of Pectic Polysaccharide Fraction from In Vitro Suspension Culture of Fumaria officinalis L <b>2018</b> , 2018, 1-13		15
506	An arabinogalactan-glycoconjugate from Genipa americana leaves present anticoagulant, antiplatelet and antithrombotic effects. <i>Carbohydrate Polymers</i> , <b>2018</b> , 202, 554-562	10.3	16
505	Mesquite seed gum and Nile tilapia fish gelatin composite films with cellulose nanocrystals. <b>2018</b> , 53, 495-503		3
504	Optimization of dilute acid pretreatment of barley husk and oat husk and determination of their chemical composition. <b>2018</b> , 25, 6377-6393		13
503	Extraction, characterization and rheological study of the purified polysaccharide from Lallemantia ibrica seeds. <b>2018</b> , 120, 1265-1274		22
502	Polyphenolic-polysaccharide conjugates from flowers and fruits of single-seeded hawthorn (Crataegus monogyna Jacq.): Chemical profiles and mechanisms of anticoagulant activity. <b>2018</b> , 116, 869-879		20
501	Characterization of a novel polysaccharide isolated from L. and analysis of its antioxidant activities. <b>2018</b> , 55, 2758-2764		7
500	Effects of EValerolactone/HO Solvent on the Degradation of pubescens for Its Fullest Utilization. <b>2018</b> , 66, 6094-6103		16
499	Beta-glucan-loaded nanofiber dressing improves wound healing in diabetic mice. <b>2018</b> , 121, 269-280		42
498	Optimization extraction, characterization and anticancer activities of polysaccharides from mango pomace. <b>2018</b> , 117, 1314-1325		13
497	Structural elucidation of lignin-carbohydrate complexes (LCCs) from Chinese quince (Chaenomeles sinensis) fruit. <b>2018</b> , 116, 1240-1249		20
496	Characterization of Pectins Extracted from Different Varieties of Pink/Red and White Grapefruits [Citrus Paradisi (Macf.)] by Thermal Treatment and Thermosonication. <b>2018</b> , 83, 1613-1621		7
495	Dissolving process of bamboo powder analyzed by FT-IR spectroscopy. <b>2018</b> , 1171, 639-643		23
494	Green biorefinery of larch wood biomass to obtain the bioactive compounds, functional polymers and nanoporous materials. <b>2018</b> , 52, 1377-1394		11
493	Antitumor effect of a crude protein-bound polysaccharide substance extracted from Volvariella speciosa. <b>2018</b> , 16, 75-81		1

492	Formulation and evaluation of gastro retentive tablets of clarithromycin prepared by using novel polymer blend. <b>2018</b> , 56, 147-157	3
491	Extraction, purification, characterization and antioxidant activities of polysaccharides from Zizyphus jujuba cv. Linzexiaozao. <b>2018</b> , 118, 2138-2148	16
490	Rheological behaviour of acetylated pectins from cactus pear fruits (Opuntia albicarpa and O. matudae). <b>2018</b> , 85, 110-119	13
489	Hyperspectral FTIR imaging of olive fruit for understanding ripening processes. <b>2018</b> , 145, 74-82	14
488	Detection of Vibrational Spectroscopic Biomarkers of the Effect of Gold Nanoparticles on Wheat Seedlings Using Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy. <b>2018</b> , 51, 2271-2294	7
487	Cultural optimization of a new exopolysaccharide producer Micrococcus roseus (2018, 7, 632-639)	8
486	In vitro fermentation properties of pectins and enzymatic-modified pectins obtained from different renewable bioresources. <i>Carbohydrate Polymers</i> , <b>2018</b> , 199, 482-491	57
485	Effect of ultrasonic time on the structural and physico-chemical properties of hemicelluloses from Eucalyptus grandis. <i>Carbohydrate Polymers</i> , <b>2018</b> , 195, 114-119	17
484	Integrated process for sequential extraction of saponins, xylan and cellulose from quinoa stalks (Chenopodium quinoa Willd.). <b>2018</b> , 121, 54-65	27
483	Cross-linking of sodium carbonate-soluble pectins from apple by zinc ions. <i>Carbohydrate Polymers</i> , <b>2018</b> , 196, 1-7	17
482	Characterization of rheological and structural properties of a gum from Balangu seeds. <b>2018</b> , 117, 294-300	11
481	Structural characterization and rheological properties of 即-glucan from hull-less barley (Hordeum vulgare L. var. nudum Hook. f.). <b>2018</b> , 155, 155-163	27
480	Preparation, characterization, antioxidant activity and protective effect against cellular oxidative stress of polysaccharide from Cynanchum auriculatum Royle ex Wight. <b>2018</b> , 119, 1068-1076	21
479	Beta-Glucan based temperature responsive hydrogels for 5-ASA delivery. <i>Carbohydrate Polymers</i> , <b>2018</b> , 201, 454-463	14
478	Preparation of furfural from Eucalyptus by the MIBK/H2O pretreatment with biphasic system and enzymatic hydrolysis of the resulting solid fraction. <b>2018</b> , 173, 539-544	18
477	Inhibicili de la corrosili del acero ASTM A192 en solucili de lido clorhilirico por el mucilago de Linum usitatissimum. <b>2018</b> , 23,	
476	Chemical characterization and complement modulating activities of an arabinogalactan-protein-rich fraction from an aqueous extract of avocado leaves. <b>2018</b> , 120, 513-521	8
475	Preparation and characterization of a soy protein-based high-performance adhesive with a hyperbranched cross-linked structure. <b>2018</b> , 354, 1032-1041	90

474	Structure-Related Gelling of Pectins and Linking with Other Natural Compounds: A Review. <b>2018</b> , 10,		122
473	Investigation of inulins from the roots of Morinda officinalis for potential therapeutic application as anti-osteoporosis agent. <b>2018</b> , 120, 170-179		25
472	Bacterial cellulose-lignin composite hydrogel as a promising agent in chronic wound healing. <b>2018</b> , 118, 494-503		78
471	Extraction, chemical composition, rheological behavior, antioxidant activity and functional properties of Cordia myxa mucilage. <b>2018</b> , 118, 485-493		31
470	Characterizations and rheological study of the purified polysaccharide extracted from quince seeds. <b>2019</b> , 99, 143-151		28
469	Yield and structural composition of pomelo peel pectins extracted under acidic and alkaline conditions. <b>2019</b> , 87, 237-244		69
468	Structural elucidation of an anti-metastatic polysaccharide from the peels of Korean citrus Hallabong. <i>Carbohydrate Polymers</i> , <b>2019</b> , 225, 115222	10.3	10
467	A xylorhamnoarabinogalactan I from Bael (Aegle marmelos L.) modulates UV/DMBA induced skin cancer via galectin-3 & gut microbiota. <b>2019</b> , 60, 103425		8
466	Complexation of chitosan with gum Arabic, sodium alginate and Etarrageenan: Effects of pH, polymer ratio and salt concentration. <i>Carbohydrate Polymers</i> , <b>2019</b> , 223, 115120	10.3	25
465	Emulsifiers from Partially Composted Olive Waste. <b>2019</b> , 8,		5
464	Structural investigation of cell wall polysaccharides extracted from wild Finnish mushroom Craterellus tubaeformis (Funnel Chanterelle). <b>2019</b> , 301, 125255		17
463	Salinity Effects on Sugar Homeostasis and Vascular Anatomy in the Stem of the Inflorescence. <b>2019</b> , 20,		15
462	Effects of MAH/St grafted nanocellulose on the properties of carbon reinforced styrene butadiene rubber. <b>2019</b> , 39, 450-458		7
461	Fourier transform infrared imaging and quantitative analysis of pre-treated wood fibers: A comparison between partial least squares and multivariate curve resolution with alternating least squares methods in a case study. <b>2019</b> , 195, 103890		1
460	Sugar contents and oligosaccharide mass profiling of selected red seaweeds to assess the possible utilization of biomasses for third-generation biofuel production. <b>2019</b> , 130, 105392		8
459	Probing cellulose structures with vibrational spectroscopy. <b>2019</b> , 26, 35-79		60
458	Thermal behaviour and degradation kinetics of apple pomace flours. <b>2019</b> , 673, 17-25		16
457	Investigation of cornstalk cellulose liquefaction in supercritical acetone by FT-TR and GC-MS methods. <b>2019</b> , 12, 299-309		4

456	Sugar Alcohol-Based Deep Eutectic Solvents as Potato Starch Plasticizers. <b>2019</b> , 11,	15
455	Sodium Alginate-Based Green Packaging Films Functionalized by Guava Leaf Extracts and Their Bioactivities. <b>2019</b> , 12,	15
454	Characterization of edible biocomposite films directly prepared from psyllium seed husk and husk flour. <b>2019</b> , 20, 100299	18
453	Visual degumming process of ramie fiber using a microbial consortium RAMCD407. <b>2019</b> , 26, 3513-3528	17
452	Effect of roasting on physicochemical and antioxidant properties of kalonji (Nigella sativa) seed flour. <b>2019</b> , 13, 1364-1372	8
45 <sup>1</sup>	Study of the cell wall components produced during different ripening stages through thermogravimetric analysis. <b>2019</b> , 26, 3009-3020	10
450	Okra polysaccharides reduced the gelling-required sucrose content in its synergistic gel with high-methoxyl pectin by microphase separation effect. <b>2019</b> , 95, 506-516	11
449	A Mixture of Functional Complex Extracts from Lycium barbarum and Grape Seed Enhances Immunity Synergistically In Vitro and In Vivo. <b>2019</b> , 84, 1577-1585	5
448	Preparation of soluble dietary fibers from Gracilaria lemaneiformis and its antitumor activity in vivo. <b>2019</b> , 13, 1574-1582	2
447	Aqueous extraction of organic amaranth starch and their by-products. <b>2019</b> , 138, 2733-2749	8
446	Combination of steam explosion pretreatment and anaerobic alkalization treatment to improve enzymatic hydrolysis of Hippophae rhamnoides. <b>2019</b> , 289, 121693	13
445	Protective effect of polysaccharide from Ligusticum chuanxiong hort against HO-induced toxicity in zebrafish embryo. <i>Carbohydrate Polymers</i> , <b>2019</b> , 221, 73-83	23
444	The effect of ultrasound irradiation on the physicochemical properties and Eglucosidase inhibitory effect of blackberry fruit polysaccharide. <b>2019</b> , 96, 568-576	59
443	Vibrational spectroscopy as a green technology for predicting nutraceutical properties and antiradical potential of early-to-late apricot genotypes. <b>2019</b> , 155, 156-166	8
442	Early fungi from the Proterozoic era in Arctic Canada. <b>2019</b> , 570, 232-235	80
441	Characterization of physicochemical properties and antioxidant activity of polysaccharides from shoot residues of bamboo (Chimonobambusa quadrangularis): Effect of drying procedures. <b>2019</b> , 292, 281-293	42
440	Structure and distribution changes of Eucalyptus hemicelluloses during hydrothermal and alkaline pretreatments. <b>2019</b> , 133, 514-521	23
439	Characterization of a chitin-glucan complex from the fruiting body of Termitomyces albuminosus (Berk.) Heim. <b>2019</b> , 134, 131-138	16

438	Isolation and quantification in food of 6-(2-formyl-5-methylpyrrol-1-yl)-l-norleucine (Thamnolysine) and its precursor 3,6-dideoxy-l-mannosone. <b>2019</b> , 245, 1149-1159		1
437	Molecular properties and structural characterization of an alkaline extractable arabinoxylan from hull-less barley bran. <i>Carbohydrate Polymers</i> , <b>2019</b> , 218, 250-260	10.3	27
436	Probing the Molecular Structure and Orientation of the Leaf Surface of Brassica oleracea L. by Polarization Modulation-Infrared Reflection-Absorption Spectroscopy. <b>2019</b> , 60, 1567-1580		5
435	Preparation and biological activities of an extracellular polysaccharide from Rhodopseudomonas palustris. <b>2019</b> , 131, 933-940		19
434	Understanding response surface optimization of medium composition for pullulan production from de-oiled rice bran by. <b>2019</b> , 28, 1507-1520		13
433	Effect of various extraction methods on the structure of polyphenolic-polysaccharide conjugates from Fragaria vesca L. leaf. <b>2019</b> , 130, 664-674		25
432	Preparation of low-cost sludge-based mesoporous carbon and its adsorption of tetracycline antibiotics. <b>2019</b> , 79, 676-687		7
431	Analysis of Plant Oligo- and Polysaccharides. <b>2019</b> , 1-22		
430	Early prediction of sugarcane genotypes susceptible and resistant to Diatraea saccharalis using spectroscopies and classification techniques. <b>2019</b> , 218, 69-75		5
429	A comparative study of the proximate, FTIR analysis and mineral elements of the leaves and stem bark oF Grewia lasiocarpa E.Mey. ex Harv.: An indigenous southern African plant. <b>2019</b> , 123, 9-19		7
428	Qodume Shirazi (Alyssum homolocarpum) Seed Gum. <b>2019</b> , 205-223		4
427	Discrimination of Structural and Immunological Features of Polysaccharides from Persimmon Leaves at Different Maturity Stages. <b>2019</b> , 24,		4
426	Electrospinning of whey and soy protein mixed with maltodextrin Influence of protein type and ratio on the production and morphology of fibers. <b>2019</b> , 93, 206-214		45
425	Obtaining a novel mucilage from mutamba seeds exploring different high-intensity ultrasound process conditions. <b>2019</b> , 55, 332-340		28
424	Comparative analysis of physicochemical characteristics of green tea polysaccharide conjugates and its decolored fraction and their effect on HepG2 cell proliferation. <b>2019</b> , 131, 243-249		33
423	Characterization of hemicelluloses from leaves and tops of the CC 8475, CC 8592, and V 7151 varieties of sugarcane (Saccharum officinarum L. <b>2019</b> , 86, 98-107		4
422	Spectroscopic Discrimination of Sorghum Silica Phytoliths. <b>2019</b> , 10, 1571		7
421	Plant-derived resorbable polymers in tissue engineering. <b>2019</b> , 19-40		3

420	Synthesis and Characterization of Sucrose and Ammonium Dihydrogen Phosphate (SADP) Adhesive for Plywood. <b>2019</b> , 11,	22
419	Polyphenolic Profile and Antioxidant Activity of Juglans regia L. Leaves and Husk Extracts. <b>2019</b> , 10, 988	10
418	Study of the Effect of Neutral Polysaccharides from Rehmannia glutinosa on Lifespan of. <b>2019</b> , 24,	14
417	Crystalinity index evaluation of Dendrocalumus asper fibers through variation of chemical treatment. <b>2019</b> ,	1
416	Alfalfa Leaf Powder and its Potential Utilisation in Raw Vegan Chocolate. 2019, 76, 76	1
415	Chelate-soluble pectin fraction from papaya pulp interacts with galectin-3 and inhibits colon cancer cell proliferation. <b>2019</b> , 126, 170-178	21
414	Stability of cationic and amphoteric derivatives of mannan from the yeast Candida albicans.  Carbohydrate Polymers, 2019, 207, 440-446	3
413	Influence of process (extrusion/thermo-compression, casting) and lentil protein content on physicochemical properties of starch films. <i>Carbohydrate Polymers</i> , <b>2019</b> , 208, 221-231	41
412	Extraction and antioxidant activities of polysaccharides from roots of Arctium lappa L. <b>2019</b> , 123, 531-538	42
411	Effects of hydrothermal treatment on enhancing enzymatic hydrolysis of rapeseed straw. <b>2019</b> , 134, 446-452	31
410	Structural characterization, antioxidant and antibacterial activities of a novel polysaccharide from Periploca laevigata root barks. <i>Carbohydrate Polymers</i> , <b>2019</b> , 206, 380-388	59
409	Opuntia ficus indica fruit gum: Extraction, characterization, antioxidant activity and functional properties. <i>Carbohydrate Polymers</i> , <b>2019</b> , 206, 565-572	34
408	Studies on O-acetyl-glucomannans from Amorphophallus species: Comparison of physicochemical properties and primary structures. <b>2019</b> , 89, 503-511	23
407	Linseed polysaccharides based nanoparticles for controlled delivery of docetaxel: Design, in vitro drug release and cellular uptake. <b>2019</b> , 49, 143-151	12
406	Antioxidant and hepatoprotective activities of modified polysaccharides from Coprinus comatus in mice with alcohol-induced liver injury. <b>2019</b> , 127, 476-485	17
405	Origin of Hypoglycemic Benefits of Probiotic-Fermented Carrot Pulp. <b>2019</b> , 67, 895-904	11
404	FTIR-based comparative analysis of glucomannan contents in some tuberous orchids, and effects of pre-processing on glucomannan measurement. <b>2019</b> , 99, 3681-3686	8
403	Role of extracellular polymeric substances on the behavior and toxicity of silver nanoparticles and ions to green algae Chlorella vulgaris. <b>2019</b> , 660, 1182-1190	46

402	Polysaccharides from pineapple pomace: new insight into ultrasonic-cellulase synergistic extraction and hypoglycemic activities. <b>2019</b> , 121, 1213-1226		16
401	Degradation of Rhodamine B Dye by Cactus Polysaccharide-Synthesized Silver Nanoparticles Monitored by Fluorescence Excitation-Emission Matrix (FEEM) Spectroscopy. <b>2019</b> , 71, 1800127		
400	Isolation, molecular characterization and antioxidant activity of a water-soluble polysaccharide extracted from the fruiting body of Termitornyces albuminosus (Berk.) Heim. <b>2019</b> , 122, 115-126		13
399	Extracellular biopolymers produced by Dictyosphaerium family - Chemical and immunomodulative properties. <b>2019</b> , 121, 1254-1263		9
398	Using vibrational molecular spectroscopy with chemometrics as an analytical method to investigate association of degradation with inherent molecular structures in grain. <b>2019</b> , 208, 331-338		
397	Structural characteristics and hepatoprotective potential of Aralia elata root bark polysaccharides and their effects on SCFAs produced by intestinal flora metabolism. <i>Carbohydrate Polymers</i> , <b>2019</b> , 207, 256-265	10.3	38
396	The polyphenolic-polysaccharide complex of Agrimonia eupatoria L. as an indirect thrombin inhibitor - isolation and chemical characterization. <b>2019</b> , 125, 124-132		16
395	Influence of fungal infection on plant tissues: FTIR detects compositional changes to plant cell walls. <b>2019</b> , 37, 38-47		8
394	Decay of Carpinus betulus wood by Trametes versicolor - An anatomical and chemical study. <b>2019</b> , 137, 68-77		14
393	Polysaccharides from Thymus vulgaris leaf: Structural features, antioxidant activity and interaction with bovine serum albumin. <b>2019</b> , 125, 580-587		15
392	Pectic oligosaccharides hydrolyzed from citrus canning processing water by Fenton reaction and their antiproliferation potentials. <b>2019</b> , 124, 1025-1032		14
391	Upgrading Pectin Production from Apple Pomace by Acetic Acid Extraction. <b>2019</b> , 187, 1300-1311		18
390	Structural characterization and anti-proliferative activities of partially degraded polysaccharides from peach gum. <i>Carbohydrate Polymers</i> , <b>2019</b> , 203, 193-202	10.3	25
389	Extrusion cooking increases soluble dietary fibre of lupin seed coat. <b>2019</b> , 99, 547-554		35
388	Effects of high pressure homogenization on pectin structural characteristics and carotenoid bioaccessibility of carrot juice. <i>Carbohydrate Polymers</i> , <b>2019</b> , 203, 176-184	10.3	32
387	Evaluation of the production of exopolysaccharide by plant growth promoting yeast Rhodotorula sp. strain CAH2 under abiotic stress conditions. <b>2019</b> , 121, 55-62		26
386	Structure characterization and anti-leukemia activity of a novel polysaccharide from Angelica sinensis (Oliv.) Diels. <b>2019</b> , 121, 161-172		26
385	Chemical and physicochemical characterizations of the water-soluble fraction of the Commiphora Africana exudate. <b>2019</b> , 86, 2-10		2

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384	Physicochemical properties and conformations of water-soluble peach gums via different preparation methods. <b>2019</b> , 95, 571-579	24
383	Chamomile Wastes (Matricaria chamomilla): New Source of Polysaccharides. <b>2019</b> , 10, 2583-2594	5
382	Extraction, characterization and antioxidant activity of polysaccharide from Pouteria campechiana seed. <i>Carbohydrate Polymers</i> , <b>2020</b> , 229, 115409	40
381	Influences of combined enzyme-ultrasonic extraction on the physicochemical characteristics and properties of okra polysaccharides. <b>2020</b> , 100, 105396	37
380	Interplay between secondary structure and ion binding upon thermoreversible gelation of Etarrageenan. <i>Carbohydrate Polymers</i> , <b>2020</b> , 227, 115342	13
379	Physicochemical characterization and emulsifying properties of a novel exopolysaccharide produced by haloarchaeon Haloferax mucosum. <b>2020</b> , 142, 152-162	12
378	Effect of plant sample preparation and measuring methods on ATR-FTIR spectra results. <b>2020</b> , 169, 103915	28
377	Weathering performance of waterborne acrylic coating systems on flat-pressed woodplastic composites. <b>2020</b> , 137, 48518	5
376	Novel emulsifiers from olive mill compost. <b>2020</b> , 99, 105373	5
375	Screening of glucan and pectin contents in broad bean (Vicia faba L.) pods during maturation. <b>2020</b> , 246, 333-347	7
374	Non-isothermal pyrolysis of grape marc. <b>2020</b> , 139, 1463-1478	13
373	Alkaline conditions better extract anti-inflammatory polysaccharides from winemaking by-products. <b>2020</b> , 131, 108532	6
372	Effect of TEMPO and characterization of bio-oil from cellulose liquefaction in supercritical ethanol. <b>2020</b> , 145, 1949-1956	4
371	Polysaccharides from sunflower stalk pith: Chemical, structural and functional characterization. <b>2020</b> , 100, 105082	16
370	Isolation, characterization and antioxidant of polysaccharides from Stropharia rugosoannulata. <b>2020</b> , 155, 883-889	12
369	Structural, rheological and functional properties of galactose-rich pectic polysaccharide fraction from leek. <i>Carbohydrate Polymers</i> , <b>2020</b> , 229, 115549	18
368	Origin identification of Panax notoginseng by multi-sensor information fusion strategy of infrared spectra combined with random forest. <b>2020</b> , 226, 117619	22
367	Structural characterization and osteogenic bioactivities of a novel Humulus lupulus polysaccharide. <b>2020</b> , 11, 1165-1175	10

366	Novel Antioxidant, Anti-Amylase, Anti-Inflammatory and Antinociceptive Water-Soluble Polysaccharides from the Aerial Part of. <b>2019</b> , 9,		9
365	Polysaccharide composition of an anticoagulant fraction from the aqueous extract of Marsypianthes chamaedrys (Lamiaceae). <b>2020</b> , 145, 668-681		4
364	Stimuli-responsive/smart tablet formulations (under simulated physiological conditions) for oral drug delivery system based on glucuronoxylan polysaccharide. <b>2020</b> , 46, 122-134		11
363	Effects of fermentation on structural characteristics and in vitro physiological activities of barley 专身lucan. <i>Carbohydrate Polymers</i> , <b>2020</b> , 231, 115685	10.3	23
362	Intertwined metal homeostasis, oxidative and biotic stress responses in the Arabidopsis frd3 mutant. <b>2020</b> , 102, 34-52		13
361	A novel polysaccharide isolated from Flammulina velutipes, characterization, macrophage immunomodulatory activities and its impact on gut microbiota in rats. <b>2020</b> , 104, 735-748		18
360	Characterization of Water Binding Properties of Apple Pectin Modified by Instant Controlled Pressure Drop Drying (DIC) by LF-NMR and DSC Methods. <b>2020</b> , 13, 265-274		4
359	Understanding the role of extracellular polymeric substances in the rheological properties of aerobic granular sludge. <b>2020</b> , 705, 135948		28
358	Pyrolysis of various phytoremediation residues for biochars: Chemical forms and environmental risk of Cd in biochar. <b>2020</b> , 299, 122581		26
357	Effect of various pretreatments on improving cellulose enzymatic digestibility of tobacco stalk and the structural features of co-produced hemicelluloses. <b>2020</b> , 297, 122471		19
356	Purification, characterization and anti-tumor activities of polysaccharides from Ecklonia kurome obtained by three different extraction methods. <b>2020</b> , 150, 1000-1010		19
355	Preparation of PGX-dried gum arabic and its loading with coQ10 by adsorptive precipitation. <b>2020</b> , 156, 104662		2
354	The combined effects of Cd and Pb enhanced metal binding by root cell walls of the phytostabilizer Athyrium wardii (Hook.). <b>2020</b> , 258, 113663		20
353	Construction of functional composite films originating from hemicellulose reinforced with poly(vinyl alcohol) and nano-ZnO. <b>2020</b> , 27, 1341-1355		8
352	Polysaccharide from Pimpinella anisum seeds: Structural characterization, anti-inflammatory and laser burn wound healing in mice. <b>2020</b> , 156, 1530-1538		24
351	Pectic polysaccharides extracted from pot marigold (Calendula officinalis) industrial waste. <b>2020</b> , 101, 105545		7
350	Effect of ultra-fine friction grinding on the physical and chemical properties of curcuma (Curcuma longa L.) suspensions. <b>2020</b> , 85, 132-142		6
349	Assembly of tomato fruit cuticles: a cross-talk between the cutin polyester and cell wall polysaccharides. <b>2020</b> , 226, 809-822		28

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348	On the Use of Gallic Acid as a Potential Natural Antioxidant and Ultraviolet Light Stabilizer in Cast-Extruded Bio-Based High-Density Polyethylene Films. <b>2019</b> , 12,	11
347	Extraction, characterization of xylan from Azadirachta indica (neem) sawdust and production of antiproliferative xylooligosaccharides. <b>2020</b> , 163, 1897-1907	11
346	Efficiency of Acacia Gummifera powder as biosorbent for simultaneous decontamination of water polluted with metals. <b>2020</b> , 13, 7459-7481	6
345	Characterization of jabuticaba (Plinia cauliflora) peel flours and prediction of compounds by FTIR analysis. <b>2020</b> , 133, 110135	6
344	Basil (Ocimum basilicum L.) seeds engender a smart material for intelligent drug delivery: On-Off switching and real-time swelling, in vivo transit detection, and mechanistic studies. <b>2020</b> , 155, 112780	4
343	Isolation, structural features, in vitro antioxidant activity and assessment of complexation ability with   和actoglobulin of a polysaccharide from fruit. 2020, 6, e05499	6
342	A Comparison between Different Agro-Wastes and Carbon Nanotubes for Removal of Sarafloxacin from Wastewater: Kinetics and Equilibrium Studies. <b>2020</b> , 25,	11
341	The Effects of Silver Nanoparticles Compositions on the Mechanical, Physiochemical, Antibacterial, and Morphology Properties of Sugar Palm Starch Biocomposites for Antibacterial Coating. <b>2020</b> , 12,	39
340	One-pot synthesis of formic acid hydrolysis-oxidation of potato starch in the presence of cesium salts of heteropoly acid catalysts <b>2020</b> , 10, 28856-28864	7
339	Polarity of Cationic Lignin Polymers: Physicochemical Behavior in Aqueous Solutions and Suspensions. <b>2020</b> , 13, 4722-4734	2
338	Characterization of Starch-based three components of gamma-ray cross-linked hydrogels to be used as a soil conditioner. <b>2020</b> , 260, 114645	16
337	Structural characterization and anti-neuroinflammatory activity of a heteropolysaccharide isolated from the rhizomes of Polygala tenuifolia. <b>2020</b> , 155, 112792	5
336	Polysaccharide Extracted from Promotes Proliferation and Migration of Human Tenocytes. <b>2020</b> , 12,	5
335	Chemical characteristic and bioactivity of hemicellulose-based polysaccharides isolated from Salvia miltiorrhiza. <b>2020</b> , 165, 2475-2483	5
334	Water Adsorption to Leaves of Tall Tree Analyzed by Infrared Spectroscopy under Relative Humidity Control. <b>2020</b> , 9,	2
333	Effect of drying processes on the final quality of potimarron pumpkin (Cucurbita maxima) powders. <b>2020</b> , 1-11	2
332	Natural compounds from Punica granatum peel as multiple stabilizers for polyethylene. <b>2020</b> , 60, 2761-2769	0
331	FTIR Nanospectroscopy Shows Molecular Structures of Plant Biominerals and Cell Walls. <b>2020</b> , 92, 13694-1370	018

330	Immunomodulatory and Antioxidant Effects of Polysaccharides from the Parasitic Fungus. <b>2020</b> , 2020, 8257847	4
329	Exploring the Biochemical Origin of DNA Sequence Variation in Barley Plants Regenerated via in Vitro Anther Culture. <b>2020</b> , 21,	4
328	Softwood Kraft Pulp-Derived Carbon-Supported PtNi Catalysts for the Electrooxidation of Ethanol. <b>2020</b> , 7,	1
327	The Effect of Cultivation Method of Strawberry (Duch.) cv. Honeoye on Structure and Degradation Dynamics of Pectin during Cold Storage. <b>2020</b> , 25,	7
326	Microwave-assisted extraction of polysaccharides from the marshmallow roots: Optimization, purification, structure, and bioactivity. <i>Carbohydrate Polymers</i> , <b>2020</b> , 240, 116301	24
325	A stimuli-responsive, superporous and non-toxic smart hydrogel from seeds of mugwort (): stimuli responsive swelling/deswelling, intelligent drug delivery and enhanced aceclofenac bioavailability <b>2020</b> , 10, 19832-19843	12
324	Effects of pectins and sugars on tarotene bioaccessibility in an in vitro simulated digestion model. <b>2020</b> , 91, 103537	2
323	Synthesis of Biopolymers from a Geobacillus sp. WSUCF1 Using Unprocessed Corn Stover. <b>2020</b> , 8, 9483-9496	4
322	Green extraction of polyphenolic-polysaccharide conjugates from Pseuderanthemum palatiferum (Nees) Radlk.: Chemical profile and anticoagulant activity. <b>2020</b> , 157, 484-493	10
321	Conversion of rice husks cellulose to levulinic acid on hierarchical Mn3O4/ZSM-5 catalyst from natural aluminosilicate. <b>2020</b> ,	1
320	Hexavalent chromium sequestration from electronic waste by biomass of. <b>2020</b> , 11, 708-717	13
319	Chain conformation and physicochemical properties of polysaccharide (glucuronoxylomannan) from Fruit Bodies of Tremella fuciformis. <i>Carbohydrate Polymers</i> , <b>2020</b> , 245, 116354	17
318	Fresh, freeze-dried or cell wall samples: Which is the most appropriate to determine chemical, structural and rheological variations during apple processing using ATR-FTIR spectroscopy?. <b>2020</b> , 330, 127357	11
317	Zwitterionic glycine modified Fe/Mg-layered double hydroxides for highly selective and efficient removal of oxyanions from polluted water. <b>2020</b> , 51, 8-15	40
316	Corrosion inhibition of galvanized steel in hydrochloric acid medium by a physically modified starch. <b>2020</b> , 2, 1	18
315	Efficient Extraction and Structural Characterization of Hemicellulose from Sugarcane Bagasse Pith. <b>2020</b> , 12,	11
314	Valorization of cassava waste for pullulan production by Aureobasidium pullulans MTCC 1991. <b>2020</b> , 0958305X2090806	4
313	Post-charring diagenetic alteration of archaeological lentils by bacterial degradation. <b>2020</b> , 117, 105119	2

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312	Anti-staphylococcal activity of quaternized mannan from the yeast Candida albicans. <i>Carbohydrate Polymers</i> , <b>2020</b> , 240, 116288	10.3	1
311	New isolation process for bioactive food fiber from wild strawberry leaf. 2020, 161, 107639		4
310	Dual Antioxidant Properties and Organic Radical Stabilization in Cellulose Nanocomposite Films Functionalized by In Situ Polymerization of Coniferyl Alcohol. <b>2020</b> , 21, 3163-3175		5
309	Acacia Xylan as a Substitute for Commercially Available Xylan and Its Application in the Production of Xylooligosaccharides. <b>2020</b> , 5, 13729-13738		8
308	Immunoactive polysaccharides produced by heterotrophic mutant of green microalga Parachlorella kessleri HY1 (Chlorellaceae). <i>Carbohydrate Polymers</i> , <b>2020</b> , 246, 116588	10.3	9
307	The structural studies of a polysaccharide purified from Oat Lao-Chao. <b>2020</b> , 55, 3563-3573		1
306	The Effect of Water-Soluble Polysaccharide from Jackfruit (Lam.) on Human Colon Carcinoma Cells Cultured In Vitro. <b>2020</b> , 9,		5
305	The effect of sodium chloride concentration on the mutarotation and structure of d-xylose in water: Experimental and theoretical investigation. <b>2020</b> , 489, 107941		2
304	Anti-inflammation activity of exopolysaccharides produced by a medicinal fungus Cordyceps sinensis Cs-HK1 in cell and animal models. <b>2020</b> , 149, 1042-1050		21
303	Impact of Drying on Meso- and Nanoscale Structures of Citrus Fiber: A Study by SFG, ATR-IR, XRD, and DLS. <b>2020</b> , 59, 2718-2724		O
302	Non-Destructive Assessment of the Impact of Selenium Treatment on the Biochemical Profile of the Leaves of Wheat Seedlings by Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy. <b>2020</b> , 53, 1794-1811		
301	Effect of enzyme-assisted extraction on the physicochemical properties and bioactive potential of lotus leaf polysaccharides. <b>2020</b> , 153, 169-179		26
300	Isolation and Purification of Glucans from an Italian Cultivar of Mill. and In Vitro Effect on Skin Repair. <b>2020</b> , 25,		11
299	Comparative study of physicochemical and functional properties of flours from kidney bean (Phaseolus vulgaris L.) and green gram (Vigna radiata L.) cultivars grown in Indian temperate climate. <b>2020</b> , 2, e11		6
298	Impact of sodium ions on material properties, gelation and storage stability of citrus pectin. <b>2020</b> , 104, 105750		4
297	Temperature fractionation, physicochemical and rheological analysis of psyllium seed husk heteroxylan. <b>2020</b> , 104, 105737		19
296	Study on reaction mechanism of superior bamboo biochar catalyst production by molten alkali carbonates pyrolysis and its application for cellulose hydrolysis. <b>2020</b> , 712, 136435		18
295	Borate chemistry inspired by cell walls converts soy protein into high-strength, antibacterial, flame-retardant adhesive. <b>2020</b> , 22, 1319-1328		46

294	Isolation and characterization of microfibrillated cellulose and nanofibrillated cellulose with "biomechanical hotspots". <i>Carbohydrate Polymers</i> , <b>2020</b> , 234, 115827	10.3	11
293	Pectin Interaction with Immune Receptors is Modulated by Ripening Process in Papayas. <b>2020</b> , 10, 1690		20
292	Thermal degradation of citrus pectin in low-moisture environment Investigation of backbone depolymerisation. <b>2020</b> , 107, 105937		6
291	Pullulan microneedle patches for the efficient transdermal administration of insulin envisioning diabetes treatment. <i>Carbohydrate Polymers</i> , <b>2020</b> , 241, 116314	10.3	24
<b>29</b> 0	Hybrid Label-Free Molecular Microscopies for Simultaneous Visualization of Changes in Cell Wall Polysaccharides of Peach at Single- and Multiple-Cell Levels during Postharvest Storage. <b>2020</b> , 9,		6
289	Mango Peel Pectin by Microwave-Assisted Extraction and its Use as Fat Replacement in Dried Chinese Sausage. <b>2020</b> , 9,		27
288	Linseed hydrogel based floating drug delivery system for fluoroquinolone antibiotics: Design, drug release and real-time floating detection. <b>2020</b> , 28, 538-549		10
287	The Proline-Rich Family Protein EXTENSIN33 Is Required for Etiolated Arabidopsis thaliana Hypocotyl Growth. <b>2020</b> , 61, 1191-1203		2
286	Role of Extracellular Polymeric Substances in Microbial Reduction of Arsenate to Arsenite by and. <b>2020</b> , 54, 6185-6193		19
285	Physicochemical characterizations of gum Arabic modified with oxidation products of ferulic acid. <b>2020</b> , 107, 105919		16
284	Effect of Ozone Exposure on Water Uptake and Germination of Lentil (Lens Culinaris) Seeds. <b>2021</b> , 43, 48-59		5
283	Physicochemical, Functional and Antioxidant Properties of the Major Protein Fractions Extracted from Prickly Pear (Opuntia ficus indica L.) Seed Cake. <b>2021</b> , 12, 1749-1760		3
282	Interactive effects of molecular weight and degree of substitution on biological activities of arabinoxylan and its hydrolysates from triticale bran. <b>2021</b> , 166, 1409-1418		6
281	Ultrahigh pressure extraction of polysaccharide from Morinda officinalis and effect on the polysaccharide structure. <b>2021</b> , 56, 1741-1751		4
280	Ultrasound irradiation alters the spatial structure and improves the antioxidant activity of the yellow tea polysaccharide. <b>2021</b> , 70, 105355		21
279	Study of physiological and biochemical events leading to vitrification of Arbutus unedo L. cultured in vitro. <b>2021</b> , 35, 241-253		3
278	Isolation of arabinoxylan and cellulose-rich arabinoxylan from wheat bran of different varieties and their functionalities. <b>2021</b> , 112, 106287		12
277	Partial characterization and lyoprotective activity of exopolysaccharide from Oenococcus oeni 28A-1. <b>2021</b> , 101, 128-136		3

276	A study of linear optical properties of ternary blends PVA/CMC/aloe vera biofilm for UV shielding. <b>2021</b> , 11, 669-678		1
275	Impact of heat treatment on the acid induced gelation of brewersßpent grain protein isolate. <b>2021</b> , 113, 106531		5
274	An Infrared Analysis of Terminalia ferdinandiana Exell [Combretaceae] Fruit and LeavesII owards the Development of Biospectroscopy Tools to Characterise Uniquely Australian Foods. <b>2021</b> , 14, 423-429		2
273	Interaction-induced structural transformation of lysozyme and kappa-carrageenan in binary complexes. <i>Carbohydrate Polymers</i> , <b>2021</b> , 252, 117181	).3	5
272	Green synthesis of silver nanoparticles from Aloe vera leaf extract and its antimicrobial activity. <b>2021</b> , 43, 3956-3960		4
271	Techniques for the chemical and physicochemical characterization of polysaccharides. <b>2021</b> , 27-74		1
270	Antinociceptive and anti-inflammatory activity of ⊞-mannan from sp. <b>2021</b> , 11, 73		2
269	Advances in the Structural Composition of Biomass: Fundamental and Bioenergy Applications. <b>2021</b> , 9, 615-636		2
268	Assessment of Physicochemical Properties and Mineral Compositions of Almond (Prunus amygdalus) Gum of Libyan Origin. <b>2021</b> , 7, 702-705		0
267	Tea polysaccharides from Camellia sinensis: chemical analysis, structural characterization, and inhibition of HeLa cells activity. <b>2021</b> , 26, 240-252		2
266	Impact of Sodium Alginate Packaging Film Synthesized Using Seed Extract on Multi Drug Resistant Isolated from Raw Buffalo Meat. <b>2021</b> , 61, 137-150		1
265	Mid-Infrared Spectroscopy as a Rapid Tool to Qualitatively Predict the Effects of Species, Regions and Roasting on the Nutritional Composition of Australian Acacia Seed Species. <b>2021</b> , 26,		1
264	Fractionation, chemical characterization and immunostimulatory activity of 的glucan and galactoglucan from Russula vinosa Lindblad. <i>Carbohydrate Polymers</i> , <b>2021</b> , 256, 117559	).3	5
263	Comparison of Polysaccharides Extracted from Cultivated Mycelium of with Polysaccharide Fractions Obtained from Sterile Conk (Chaga) and Birch Heart Rot. <b>2021</b> , 7,		3
262	Marine Algae Incorporated Polylactide Acid Patch: Novel Candidate for Targeting Osteosarcoma Cells without Impairing the Osteoblastic Proliferation. <b>2021</b> , 13,		0
261	Modelling the Extraction of Pectin towards the Valorisation of Watermelon Rind Waste. <b>2021</b> , 10,		11
260	Two-Step Saccharification of the Xylan Portion of Sugarcane Waste by Recombinant Xylanolytic Enzymes for Enhanced Xylose Production. <b>2021</b> , 6, 11772-11782		2
259	Comprehensive Leaf Cell Wall Analysis Using Carbohydrate Microarrays Reveals Polysaccharide-Level Variation between Species with Differing Resistance to Downy Mildew. <b>2021</b> , 13,		O

258	Structural study of a pectic polysaccharide fraction isolated from "mountain tea" (Sideritis scardica Griseb.). <i>Carbohydrate Polymers</i> , <b>2021</b> , 260, 117798	10.3	12
257	Identification of spectral features in the longwave infrared (LWIR) spectra of leaves for the discrimination of tropical dry forest tree species. <b>2021</b> , 97, 102286		1
256	Extrusion pregelatinization improves texture, viscoelasticity and in vitro starch digestibility of mango and amaranth flours. <b>2021</b> , 80, 104441		10
255	Activated biochars derived from wood biomass liquefaction residues for effective removal of hazardous hexavalent chromium from aquatic environments. <b>2021</b> , 13, 1247-1259		8
254	Purification of polysaccharides from by using an aqueous two-phase system and evaluation of the physicochemical and antioxidant properties of polysaccharides. <b>2021</b> , 1-10		1
253	Nisin-Loaded Ulvan Particles: Preparation and Characterization. <b>2021</b> , 10,		4
252	Chemical structure of a novel heteroglycan polysaccharide isolated from the biomass of Ophiocordyceps Sobolifera. <b>2021</b> , 1232, 129986		2
251	Quality Evaluation of Winery By-Products from Ionian Islands Grape Varieties in the Concept of Circular Bioeconomy. <b>2021</b> , 13, 5454		О
250	Optimization of sunflower head pectin extraction by ammonium oxalate and the effect of drying conditions on properties. <b>2021</b> , 11, 10616		1
249	Effect of roasting on the chemical composition, functional characterisation and antioxidant activities of three varieties of marble vine (): An underutilised plant. <b>2021</b> , 7, e07107		
248	Isolation, Physicochemical Properties, and Structural Characteristics of Arabinoxylan from Hull-Less Barley. <b>2021</b> , 26,		1
247	Purification, characterization and hypoglycemic activity of glycoproteins obtained from pea (Pisum sativum L.). <b>2021</b> , 10, 297-307		7
246	Interaction with teichoic acids contributes to highly effective antibacterial activity of graphene oxide on Gram-positive bacteria. <b>2021</b> , 412, 125333		8
245	Extraction and characterization of xylan from sugarcane tops as a potential commercial substrate. <b>2021</b> , 131, 647-654		7
244	Structural Characterization and Immunomodulatory Activity of a Novel Polysaccharide From Lycopi Herba. <b>2021</b> , 12, 691995		2
243	Elucidating compositional factors of maize cell walls contributing to stalk strength and lodging resistance. <b>2021</b> , 307, 110882		3
242	FTIR Screening to Elucidate Compositional Differences in Maize Recombinant Inbred Lines with Contrasting Saccharification Efficiency Yields. <b>2021</b> , 11, 1130		3
241	Cross-linking treatment of arabinoxylan improves its antioxidant and hypoglycemic activities after simulated in vitro digestion. <b>2021</b> , 145, 111386		4

240	Characterization, functional properties, and antioxidant activities of macromolecular extracts isolated from Pyropia yezoensis. 1	Ο
239	Revisiting the contribution of ATR-FTIR spectroscopy to characterize plant cell wall polysaccharides. <i>Carbohydrate Polymers</i> , <b>2021</b> , 262, 117935	31
238	Comparison on characterization and antioxidant activity of exopolysaccharides from two Porphyridium strains. <b>2021</b> , 33, 2983-2994	5
237	Biorefining Potential of Wild-Grown , and and the Feasibility of White-Rot Fungi-Mediated Pretreatments. <b>2021</b> , 12, 679966	2
236	Sequencing and Comparative Transcriptome Analyses Provide First Insights Into Polysaccharide Biosynthesis During Fruiting Body Development of. <b>2021</b> , 12, 627099	0
235	Understanding In Vitro Tissue Culture-Induced Variation Phenomenon in Microspore System. <b>2021</b> , 22,	1
234	Evaluating polymer interplay after hot water pretreatment to investigate maize stem internode recalcitrance. <b>2021</b> , 14, 164	5
233	Characterization of polysaccharides from Eremurus hissaricus roots by FTIR spectroscopy. <b>2021</b> , 11, 281-289	O
232	Gums@haracteristics and Applications in the Food Industry.	3
231	Extraction of surface-active polymers from the compost of olive processing waste. e13799	O
230	Accelerated weathering performance of wood-plastic composites reinforced with carbon and glass fibre-woven fabrics.	1
229	Transfer of Cobalt Nanoparticles in a Simplified Food Web: From Algae to Zooplankton to Fish. <b>2021</b> , 2, 184-205	1
228	Immune Priming Triggers Cell Wall Remodeling and Increased Resistance to Halo Blight Disease in Common Bean. <b>2021</b> , 10,	1
227	畇lucan release from fungal and plant cell walls after simulated gastrointestinal digestion. <b>2021</b> , 83, 104543	O
226	Physicochemical characteristics of polysaccharides from catalytic and noncatalytic acetic acid-peroxide delignification of larch wood. 1	1
225	Role of extracellular polymeric substances in leaching and bioconcentration of benzophenone-3 from microplastic fragments. <b>2021</b> , 416, 125832	4
224	Acorn and water interactions on the microstructure of gluten-free yeasted dough. e15876	1
223	Preparation of Carboxymethylcellulose from Waste Paper. <b>2021</b> , 36, 562-568	Ο

222	Conformational Behavior, Topographical Features, and Antioxidant Activity of Partly De-Esterified Arabinoxylans. <b>2021</b> , 13,		0
221	Chemical Modification of Xylan.		
220	Therapeutic potential of Moringa oleifera seed polysaccharide embedded silver nanoparticles in wound healing. <b>2021</b> , 184, 144-158		11
219	Structural characterization, functional properties and antioxidant activities of polysaccharide extract obtained from okra leaves (Abelmoschus esculentus). <b>2021</b> , 354, 129437		14
218	Influence of the Protein Content on Fiber Morphology and Heat Treatment of Electrospun Potato Protein Maltodextrin Fibers. <b>2021</b> , 11, 7896		O
217	Structural characterization of polysaccharide from yellow sweet potato and ameliorates DSS-induced mice colitis by active GPR41/MEK/ERK 1/2 signaling pathway. <b>2021</b> , 192, 278-288		3
216	Tissue specific changes in elements and organic compounds of alfalfa (Medicago sativa L.) cultivars differing in salt tolerance under salt stress. <b>2021</b> , 264, 153485		4
215	Green synthesis of Ag nanoparticles in oil-in-water nano-emulsion and evaluation of their antibacterial and cytotoxic properties as well as molecular docking. <b>2021</b> , 14, 103323		8
214	Structural characterization and immunomodulatory activities of two polysaccharides from Rehmanniae Radix Praeparata. <b>2021</b> , 186, 385-395		4
213	Isolation, structural characterization and anti-oxidant activity of a novel polysaccharide from garlic bolt. <i>Carbohydrate Polymers</i> , <b>2021</b> , 267, 118194	10.3	9
212	Ferulated Pectins from Sugar Beet Bioethanol Solids: Extraction, Macromolecular Characteristics, and Enzymatic Gelling Properties. <b>2021</b> , 13, 10723		1
211	Carboxylic acid-catalyzed hydrolysis of rhamnogalacturonan in subcritical water media. <b>2021</b> , 175, 1052	68	2
210	Challenges of pectic polysaccharides as a prebiotic from the perspective of fermentation characteristics and anti-colitis activity. <i>Carbohydrate Polymers</i> , <b>2021</b> , 270, 118377	10.3	3
209	Influence of gelatinization degree and octenyl succinic anhydride esterification on the water sorption characteristics of corn starch. <i>Carbohydrate Polymers</i> , <b>2021</b> , 270, 118378	10.3	2
208	Preservation of hemicellulose remnants in sedimentary organic matter. <b>2021</b> , 310, 32-46		2
207	Pectin and homogalacturonan with small molecular mass modulate microbial community and generate high SCFAs via in vitro gut fermentation. <i>Carbohydrate Polymers</i> , <b>2021</b> , 269, 118326	10.3	5
206	Removal of bovine serum albumin and methylene blue using a hybrid membrane of single walled carbon nanotube-banana peel protein: Fabrication and characterization. <b>2021</b> , 24, 101880		0
205	Isolation of an exopolysaccharide from a novel marine bacterium Neorhizobium urealyticum sp. nov. and its utilization in nanoemulsion formation for encapsulation and stabilization of astaxanthin. <b>2021</b> , 151, 112105		3

204	The effects of quorum sensing molecule farnesol on the yield and activity of extracellular polysaccharide from Grifola frondosa in liquid fermentation. <b>2021</b> , 191, 377-384	1
203	Preparation of nano-xylan and its influences on the anti-fungi performance of straw fiber/HDPE composite. <b>2021</b> , 171, 113954	3
202	Composite biopolymer films based on a polyelectrolyte complex of furcellaran and chitosan.  Carbohydrate Polymers, <b>2021</b> , 274, 118627	7
<b>2</b> 01	Synergistic effects of (3-mercaptopropyl)trimethoxysilane and citric acid on the improvement of water vapor barrier performance of polyvinyl alcohol/xylan packaging films. <b>2021</b> , 171, 113822	1
200	High efficiency and clean separation of eucalyptus components by glycolic acid pretreatment. <b>2021</b> , 341, 125757	8
199	Pullulan production in stirred tank reactor by a colour-variant strain of Aureobasidium pullulans FB-1. <b>2021</b> , 2, 100086	O
198	Spectroscopic sensing of membrane fouling potential in a long-term running anaerobic membrane bioreactor. <b>2021</b> , 426, 130799	3
197	Effects of isolation conditions on structural and functional properties of the seed gum from Chinese quince (Chaenomeles sinensis). <i>Carbohydrate Polymers</i> , <b>2021</b> , 273, 118538	2
196	Production of pea hull soluble fiber-derived oligosaccharides using subcritical water with carboxylic acids. <b>2021</b> , 178, 105349	2
195	Designing large-sized and spherical CO2 adsorbents for highly reversible CO2 capture and low pressure drop. <b>2022</b> , 427, 131781	1
194	Functional Genomics of Forage and Bioenergy Quality Traits in the Grasses. <b>2009</b> , 111-124	3
193	Phenotyping Plant Cellular and Tissue Level Responses to Cold with Synchrotron-Based Fourier-Transform Infrared Spectroscopy and X-Ray Computed Tomography. <b>2020</b> , 2156, 141-159	2
192	Effect of Hydrothermal Processing on Hemicellulose Structure. <b>2017</b> , 45-94	12
191	Generation of structurally diverse pectin oligosaccharides having prebiotic attributes. <b>2020</b> , 108, 105988	25
190	A smart drug delivery system based on Artemisia vulgaris hydrogel: Design, on-off switching, and real-time swelling, transit detection, and mechanistic studies. <b>2020</b> , 58, 101795	9
189	Marine Algae-PLA composites as de novo alternative to porcine derived collagen membranes. <b>2020</b> , 17, 100276	9
188	Highly Efficient and Superfast Cellulose Dissolution by Green Chloride Salts and Its Dissolution Mechanism. <b>2020</b> , 8, 18446-18454	12
187	Water-soluble non-starch polysaccharides of root and tuber crops: extraction, characteristics, properties, bioactivities, and applications. <b>2020</b> , 1-33	7

186	Nutritional Quality and Bioactive Constituents of Six Australian Plum Varieties. 2021, 21, 115-132	7
185	Dual-frequency ultrasound-assisted alcohol/salt aqueous two-phase extraction and purification of Astragalus polysaccharides. <b>2020</b> , 43, e13366	7
184	Null mutants of individual RABA genes impact the proportion of different cell wall components in stem tissue of Arabidopsis thaliana. <b>2013</b> , 8, e75724	18
183	Differences in forage-acquisition and fungal enzyme activity contribute to niche segregation in Panamanian leaf-cutting ants. <b>2014</b> , 9, e94284	20
182	Optimization of Mycelia Selenium Polysaccharide Extraction from Agrocybe cylindracea SL-02 and Assessment of their Antioxidant and Anti-Ageing Activities. <b>2016</b> , 11, e0160799	23
181	Biotransformation of grape pomace from Vitis labrusca by Peniophora albobadia LPSC # 285 (Basidiomycota). <b>2020</b> , 92, e20181174	2
180	Eco-friendly approach for elimination of olive mill wastewaters (OMW) toxicity using cactus prickly pears juice as a coagulant. <b>2020</b> , 15, 1050-1067	2
179	Fabrication of Chitosan/Pectin/PVA Nanofibers Using Electrospinning Technique. <b>2020</b> , 10, 134-141	3
178	Spectroscopic characterization of bioactive Cu(II) complexes with polysaccharides by modern FTIR microspectroscopy. <b>2010</b> , 64, 9-20	4
177	Exopolysaccharides Production by Pleurotus pulmonarius: Factors Affecting Formation and Their Structures. <b>2004</b> , 7, 1078-1084	15
176	Plant Cell Wall, a Challenge for Its Characterisation. <b>2016</b> , 06, 70-105	13
175	Alcayota Gum Films: Experimental Reviews. <b>2018</b> , 06, 11-58	4
174	Purification and partial characterization of an acidic polysaccharide with complement fixing ability from the stems of Avicennia marina. <b>2006</b> , 39, 546-55	10
173	Extraction of polysaccharides from L. by hot water and analysis of their antioxidant activity. <b>2019</b> , 7, e7149	13
172	Comparison of Differences Between the Wood Degradation by Monokaryons (n) and Dikaryons (2n) of White Rot Fungus (Cambodian Phellinus linteus). <b>2013</b> , 13, 131-138	
171	Analytical Methods for Lignocellulosic Biomass Structural Polysaccharides. <b>2014</b> , 1-51	
170	Physicochemical and structural properties of three pectin fractions from muskmelon (Cucumis melo) and their correlation with juice cloud stability. <b>2021</b> , 124, 107313	3
169	Chemical Characterization and Bioaccessibility Assessment of Bioactive Compounds from Umbu (A.) Fruit Peel and Pulp Flours. <b>2021</b> , 10,	3

168	Valorization of Passion Fruit Stalk by the Preparation of Cellulose Nanofibers and Immobilization of Trypsin. <b>2020</b> , 21, 2807-2816	2
167	Phaeodactylum tricornutum extracts as structuring agents for food applications: Physicochemical and functional properties. <b>2022</b> , 124, 107276	3
166	Immunomodulating polysaccharide complexes and antioxidant metabolites from Anabaena laxa, Oscillatoria limosa and Phormidesmis molle. <b>2021</b> , 60, 102538	0
165	Impact of Soy¶ow's mixed milk enzyme modified cheese on bread aroma. <b>2022</b> , 154, 112793	1
164	Co-production of bioethanol and xylosaccharides from steam-exploded eucalyptus sawdust using high solid loads in enzymatic hydrolysis: Effect of alkaline împregnation. <b>2022</b> , 175, 114253	4
163	Improving Impact of Poly(Starch/Acrylic Acid) Superabsorbent Hydrogel on Growth and Biochemical Traits of Sunflower Under Drought Stress. 1	2
162	Plant and Biopolymers. <b>2021</b> , 13-36	
161	Selenium-Containing Exopolysaccharides Isolated from the Culture Medium of : Structure and Biological Activity. <b>2021</b> , 22,	Ο
160	Characteristics of the Waste Wood Biomass and Its Effect on the Properties of Wood Sanding Dust/Recycled PP Composite <b>2022</b> , 14,	1
159	Accumulation Mechanism and Risk Assessment of Seedling In Vitro with the Hydroponic Culture under Cadmium Pressure <b>2022</b> , 19,	Ο
158	Structural Characterization and Anticoagulant Activity of a 3Methylated Heteroglycan From Fruiting Bodies of <b>2022</b> , 10, 825127	0
157	Feruloylated oligosaccharides-emerging natural oligosaccharides for human health: Production, structural characterization, bioactive potential, and functional food applications. <b>2022</b> , 141-173	
156	Exopolysaccharides from the Energy Microalga Strain  : Purification, Characterization, and Antioxidant Activity <b>2022</b> , 11,	3
155	Know your enemy: Application of ATR-FTIR spectroscopy to invasive species control <b>2022</b> , 17, e0261742	Ο
154	Cellulose Isolation from Tomato Pomace Pretreated by High-Pressure Homogenization 2022, 11,	0
153	Prebiotic crude polysaccharides combined with GG postpone aging-related oxidative stress in mice <b>2022</b> ,	2
152	Incidental Nanoparticles in Black Tea Infusion: Carriers of Bioactives Fortifying Protection on Intestinal Mucosal Cells Against Oxidative Stresses. 1	
151	Effect of photodegradation on fungal colonization on wood during initial stage of brown-rot decay. <b>2022</b> ,	

150	Superhydrophobic light-driven actuator based on self-densified wood film with a sandwich-like structure. <b>2022</b> , 220, 109278	Ο
149	Effect of thermal annealing and filler ball-milling on the properties of highly filled polylactic acid/pecan nutshell biocomposites <b>2022</b> , 200, 350-361	1
148	Thunbergia mysorensis mediated nano silver oxide for enhanced antibacterial, antioxidant, anticancer potential and in vitro hemolysis evaluation. <b>2022</b> , 1255, 132455	3
147	Grape stalk valorization for fermentation purposes <b>2022</b> , 4, 100067	1
146	Synthesis and Characterization of Chanar Gum Films. <b>2022</b> , 6, 10	1
145	Production and Chemical Characterization of Exopolysaccharides by Antarctic Yeasts Vishniacozyma victoriae and Tremellomycetes sp <b>2022</b> , 12, 1805	Ο
144	Isolation and Investigation of Natural Rare Earth Metal Chelating Agents From - A Step Towards Unraveling the Mechanisms of Metal Biosorption <b>2022</b> , 10, 833122	О
143	Exploring the Diversity of Red Microalgae for Exopolysaccharide Production <b>2022</b> , 20,	1
142	Influence of Gamma Irradiation on Different Phytochemical Constituents of Dried Rose Hip (L.) Fruits <b>2022</b> , 27,	1
141	Structural Characterization of Mannoglucan Isolated from and Its Antioxidant Activities <b>2022</b> , 7, 9397-9405	1
140	Downstream processing and structural confirmation of pullulan - A comprehensive review <b>2022</b> , 208, 553-564	О
139	Isolation, chemical characterization and antioxidant activity of Prunus spinosa L. fruit phenolic polysaccharide-proteins <b>2022</b> , 515, 108547	1
138	Structural characterization of lignin and lignin-carbohydrate complex (LCC) of sesame hull <b>2022</b> , 209, 258-267	1
137	Feasibility study on the use of ATR-FTIR spectroscopy as a tool for the estimation of wine polysaccharides <i>Carbohydrate Polymers</i> , <b>2022</b> , 287, 119365	O
136	Structure of corn bran hemicelluloses isolated with aqueous ethanol solutions and their potential to produce furfural <i>Carbohydrate Polymers</i> , <b>2022</b> , 288, 119420	Ο
135	Chemical composition, structural properties, rheological behavior and functionality of Melissa officinalis seed gum. <b>2022</b> , 28, 100315	
134	Water soluble polysaccharides from Spirulina platensis exhibited cyto/DNA protection and suppress the growth of gastric cancer cells via modulation of galectin-3.	
133	Green Husk of Walnuts (Juglans regia L.) from Southern Italy as a Valuable Source for the Recovery of Glucans and Pectins. <b>2021</b> , 7, 305	1

132	Chemical Characterization of Coffee Husks, a By-Product of Production 2021, 10,	1
131	Cha <del>ll</del> r Gum (Geoffrea Decorticans). <b>2022</b> , 1-23	
130	The effect of high humidity hot air impingement blanching on the changes in cell wall polysaccharides and phytochemicals of okra pods <b>2022</b> ,	0
129	Fucose-containing Abroma augusta mucilage hydrogel as a potential probiotic carrier with prebiotic function <b>2022</b> , 387, 132941	1
128	DataSheet_1.docx. <b>2019</b> ,	
127	The structural characterization and anticancer activity of a polysaccharide from Coriolus versicolor.	O
126	ON THE FRUIT AND VEGETABLES PLANT CELL WALL HEMICELLULOSE COMPOUND STRUCTURE. <b>2022</b> , 35-52	
125	Effects of simulated saliva-gastrointestinal digestion on the physicochemical properties and bioactivities of Siraitia grosvenorii polysaccharides.	o
124	Multimodal Imaging of Silicified Sorghum Leaves.	
123	Structure and In Vitro Fermentation Characteristics of Polysaccharides Sequentially Extracted from Goji Berry () Leaves <b>2022</b> ,	1
122	Modification of the cell wall polysaccharides and phytochemicals of okra pods by cold plasma treatment. <b>2022</b> , 107763	1
121	Isolation, molecular characterization, immunological and anticoagulatant activities of polysaccharides from frankincense and its vinegar processed product <b>2022</b> , 389, 133067	o
120	Impact of cell wall non-cellulosic and cellulosic polymers on the mechanical properties of flax fibre bundles. <i>Carbohydrate Polymers</i> , <b>2022</b> , 291, 119599	10.3
119	Pectin-associated mannans and xylans play distinct roles in cell-cell adhesion in pine and poplar wood. <b>2022</b> , 184, 115054	
118	Study of the sterile conk of Inonotus obliquus using 13C CPMAS NMR and FTIR spectroscopies coupled with multivariate analysis. <b>2022</b> , 1264, 133226	
117	Physicochemical and Functional Properties of Okra Leaf Polysaccharides Extracted at Different pHs. <b>2022</b> , 4, 405-418	2
116	Structural characterization of polysaccharides from Geranium sanguineum L. and their immunomodulatory effects in response to inflammatory agents <b>2022</b> , 115390	1
115	L-lysine mediated facile synthesis of SnO2-biochar nanocomposite and its excellent photocatalytic activity for the reduction of Cr(VI) and degradation of acid yellow 23 dye.	1

114	Efficient removal of organic compounds in eutrophic water via a synergy of cyanobacterial extracellular polymeric substances and permanganate <b>2022</b> ,	
113	Physicochemical Characterization and Antioxidant and Hypolipidaemic Activities of a Polysaccharide From the Fruit of Kadsura coccinea (Lem.) A. C. Smith. <b>2022</b> , 9,	O
112	Fractionation of the water insoluble part of the heterotrophic mutant green microalga Parachlorella kessleri HY1 (Chlorellaceae) biomass: Identification and structure of polysaccharides. <b>2022</b> ,	0
111	Enzymatic Hydrolysis Modifies Emulsifying Properties of Okra Pectin. <b>2022</b> , 11, 1497	1
110	The role of extracellular polymeric substances of fungal biofilms in mineral attachment and weathering. <b>2022</b> , 6,	0
109	Monitoring the infection of powdery mildew pathogen on strawberry leaves by ATR-IR technique.	O
108	Unveiling the compositional remodelling of Arbutus unedo L. fruits during ripening. <b>2022</b> , 303, 111248	0
107	A nondestructive solution to quantify monosaccharides by ATR-FTIR and multivariate regressions: A case study of Atractylodes polysaccharides. <b>2022</b> , 279, 121411	O
106	Interactions of dissolved organic matter with short-range ordered aluminosilicates by adsorption and co-precipitation. <b>2022</b> , 423, 115960	О
105	Preparation and characterization of garlic polysaccharide-Zn (II) complexes and their bioactivities as a zinc supplement in Zn-deficient mice. <b>2022</b> , 100361	1
104	Development and investigation of a two-component adhesive composed of soybean flour and sugar solution for plywood manufacturing. 1-9	O
103	Biocompatible hydrogels based on chitosan, cellulose/starch, PVA and PEDOT:PSS with high flexibility and high mechanical strength.	O
102	Effect of hemicellulose molecular structure on wettability and surface adhesion to ureaformaldehyde resin adhesives.	О
101	Polysaccharide from Spirulina platensis Evokes Antitumor Activity in Gastric Cancer Cells via Modulation of Galectin-3 and Exhibited Cyto/DNA Protection: Structure Function Study. <b>2022</b> , 70, 7058-7069	1
100	Development and Characterization of Pullulan-Carboxymethyl Cellulose Blend Film for Packaging Applications. <b>2022</b> , 2022, 1-10	O
99	Agave Fructans in Oaxacal Emblematic Specimens: Agave angustifolia Haw. and Agave potatorum Zucc <b>2022</b> , 11, 1834	O
98	Recent advances in Mung bean polysaccharides: Extraction, physicochemical properties and biological activities. <b>2022</b> ,	O
97	Performance evaluation of produced biopolymers by native strains on enhanced oil recovery.	

96	Non-Destructive Assessment of the Nutrient Profile of Underutilized Seeds Using Spectroscopic Probes. 1-17	0
95	Modulation of ice crystal formation behavior in pectin cryogel by xyloglucan: Effect on microstructural and mechanical properties. <b>2022</b> , 159, 111555	1
94	Morphological and structural changes in thermally-induced soybean protein isolate xerogels modulated by soybean polysaccharide concentration. <b>2022</b> , 133, 107967	1
93	Emulsifiers from Yellow Split Peas.	
92	Chemical, technological, and rheological properties of hydrocolloids from sesame (Sesamum indicum) with potential food applications. <b>2022</b> , 104146	Ο
91	Microwave-assisted extraction of pectin from grape pomace. <b>2022</b> , 12,	1
90	Acidic polysaccharides of Mountain Cultivated Ginseng: The potential source of anti-fatigue nutrients. <b>2022</b> , 95, 105198	О
89	Cha <del>ll</del> r Gum (Geoffroea decorticans). <b>2022</b> , 333-355	
88	Characterization of Pectin from Grape Pomace: A Comparison of Conventional and Pulsed Ultrasound-Assisted Extraction Techniques. <b>2022</b> , 11, 2274	1
87	Optimization of mucilage extraction from Sepestan fruit and evaluation of its physicochemical and antioxidant activity.	Ο
86	Production of mesoporous carbon nitrides and their photocatalytic properties for degradation of organic pollutants.	1
85	Structural Features and Immunomodulatory Effects of Water-Extractable Polysaccharides from Macrolepiota procera (Scop.) Singer. <b>2022</b> , 8, 848	
84	Improvement of the bonding performance of sucrose and ammonium dihydrogen phosphate adhesive by addition of dephenolized cottonseed protein. 1-22	Ο
83	In vitro elucidation of antioxidant, antiproliferative, and apoptotic potential of yeast-derived 町,3-glucan particles against cervical cancer cells. 12,	
82	Citrus Huanglongbing detection and semi-quantification of the carbohydrate concentration based on micro-FTIR spectroscopy.	1
81	Optimization of ultrasonic extraction of polysaccharides from Flammulina velutipes residue and its protective effect against heavy metal toxicity. <b>2022</b> , 187, 115422	Ο
80	Physicochemical properties and biological activities of polysaccharides from the peel of Dioscorea opposita Thunb. extracted by four different methods. <b>2023</b> , 12, 130-139	2
79	Pullulan Oxidation in the Presence of Hydrogen Peroxide and N-Hydroxyphthalimide. 2022, 15, 6086	Ο

78	A biorefinery approach for sequential extraction of commercial grade xylan and alkali lignin from alkali pretreated sugarcane tops hydrolysate. <b>2022</b> , 187, 115545	0
77	Pectin extracted from dragon fruit Peel: An exploration as a natural emulsifier. <b>2022</b> , 221, 976-985	O
76	Lavender (Lavandula angustifolia Mill.) industrial by-products as a source of polysaccharides. <b>2022</b> , 188, 115678	O
75	Influence of starch with different degrees and order of gelatinization on the microstructural and mechanical properties of pectin cryogels: A potential pore morphology regulator. <b>2022</b> , 222, 533-545	1
74	Influence of sodium bicarbonate and moisture content on physicochemical properties of chicken-based extrudate by twin-screw extruder. <b>2023</b> , 402, 134313	O
73	Characterization and predictive modeling potential of aging time of roasted coffee using infrared spectroscopy. <b>2022</b> , 14, 3486-3492	O
72	Optimization of high pressure processing-assisted extraction of pectic polysaccharides from three berries.	О
71	The effect of extraction solution pH level on the physicochemical properties and ⊞glucosidase inhibitory potential of Fucus vesiculosus polysaccharide. <b>2022</b> , 114028	O
70	Immunomodulatory activity of glycoproteins isolated from chickpea (Cicer arietinum L.). 9,	0
69	Cytotoxic activity of the crude polysaccharides/exopolysaccharides of Coprinus comatus and Coprinellus truncorum. 1-6	O
68	Natural Xylooligosaccharides Exert Antitumor Activity via Modulation of Cellular Antioxidant State and TLR4. <b>2022</b> , 23, 10430	2
67	Polymeric Compounds of Lingonberry Waste: Characterization of Antioxidant and Hypolipidemic Polysaccharides and Polyphenol-Polysaccharide Conjugates from Vaccinium vitis-idaea Press Cake. <b>2022</b> , 11, 2801	4
66	Bioavailability, transfer, toxicological effects, and contamination assessment of arsenic and mercury in soil-corn systems.	О
65	Heterogeneous photocatalytic degradation of anionic dye on polyaniline/microcrystalline cellulose composite.	O
64	An Immunological Polysaccharide from Tremella fuciformis: Essential Role of Acetylation in Immunomodulation. <b>2022</b> , 23, 10392	1
63	Influence of incorporation of peanut protein isolate on pasting, rheological and textural properties of rice starch. <b>2022</b> , 111312	O
62	Combined high-throughput and fractionation approaches reveal changes of polysaccharides in blueberry skin cell walls during fermentation for wine production. <b>2022</b> , 112027	О
61	Cell wall polysaccharide changes and involvement of phenolic compounds in ageing of Red haricot beans (Phaseolus vulgaris) during postharvest storage. <b>2022</b> , 112021	O

60	Dynamic Analysis of Physicochemical Properties and Polysaccharide Composition during the Pile-Fermentation of Post-Fermented Tea. <b>2022</b> , 11, 3376	0
59	Isolation, Structural Characterization, and Hypoglycemic Activities In Vitro of Polysaccharides from Pleurotus eryngii. <b>2022</b> , 27, 7140	1
58	Effect of Wheat and Oat Bran on the Physicochemical Properties of Edible Starch-Based Films Obtained by Extrusion for Food Packaging Applications. 2200087	O
57	Valorisation Potential of Invasive Acacia dealbata, A. longifolia and A. melanoxylon from Land Clearings. <b>2022</b> , 27, 7006	O
56	Structural, functional and physicochemical properties of pectin from grape pomace as affected by different extraction techniques. <b>2022</b> ,	1
55	Study of Potassium inducing Iron toxicity tolerance in rice: morphology, biochemical estimation, interaction between NAS3 and FER protein.	o
54	Characterization and in vivo immunomodulatory effects of a heteropolysaccharide from Rhizopogon rubescens (Tul.) Tul. <b>2022</b> , 122, 160-171	О
53	Retardation and compressive strength enhancement effect of upcycling waste carrot as bio-admixture for cement mortars. <b>2022</b> , 62, 105402	O
52	Multimodal spectroscopic methods for the analysis of carbohydrates. <b>2023</b> , 459-482	О
51	Physicochemical, structural and emulsifying properties of RG-I enriched pectin extracted from unfermented or fermented cherry pomace. <b>2022</b> , 134985	О
50	A Global Picture of Molecular Changes Associated to LPS Treatment in THP-1 Derived Human Macrophages by Fourier Transform Infrared Microspectroscopy. <b>2022</b> , 23, 13447	О
49	Structure characterization of an exopolysaccharide from a Shiraia-associated bacterium and its strong eliciting activity on the fungal hypocrellin production. <b>2023</b> , 226, 423-433	О
48	Mixed gels based on low acyl gellan and citrus pectin: A linear viscoelastic analysis. 2023, 137, 108353	О
47	Structure characteristics of low molecular weight pectic polysaccharide and its anti-aging capability by modulating the intestinal homeostasis. <b>2023</b> , 303, 120467	О
46	Efficient utilization of peach gum to prepare UV-responsive peelable pressure-sensitive adhesives for non-destructive fabrication of ultrathin electronics. <b>2023</b> , 612, 155748	0
45	Fourier Transform Infrared Spectroscopy (FTIR) Technique for Food Analysis and Authentication. <b>2022</b> , 103-142	O
44	Emulsifiers from White Beans: Extraction and Characterization. 2022, 6, 71	1
43	Synchrotron FTIR investigations of kerogen from Proterozoic organic-walled eukaryotic microfossils <b>2022</b> , 123, 103476	O

42	Effect of Loblolly Pine (Pinus taeda L.) Hemicellulose Structure on the Properties of Hemicellulose-Polyvinyl Alcohol Composite Film. <b>2023</b> , 28, 46	O
41	Two different morphotypes of freshwater Cladophora surera (Cladophorales, Chlorophyta) produce similar sulfated cell wall polysaccharides. <b>2022</b> , 102956	O
40	A Facile Method to Manufacture the Sesamum Indicum Fibers by Glycolic Acid Assisted with Microwave. <b>2023</b> , 20,	O
39	Rich d-Fructose-Containing Polysaccharide Isolated from Myxopyrum smilacifolium Roots toward a Superior Antioxidant Biomaterial. <b>2022</b> , 7, 47923-47932	1
38	Comparison of membrane fouling during ultrafiltration with adsorption studied by Quartz crystal microbalance with dissipation monitoring (QCM-D). <b>2022</b> , 121313	O
37	Unfolding the structure of polysaccharide isolated from Myxopyrum smilacifolium leaves toward a robust antioxidant. <b>2023</b> , 100347	O
36	Effect of salinity on the biochemical characteristics and antioxidant activity of exopolysaccharide of Porphyridium purpureum FACHB 806. 9,	O
35	Hydrolysis, Microstructural Profiling and Utilization of Cyamopsis tetragonoloba in Yoghurt. <b>2023</b> , 9, 45	O
34	Lonicera japonica polysaccharides improve longevity and fitness of Caenorhabditis elegans by activating DAF-16. <b>2023</b> , 229, 81-91	0
33	Effects of H2O2 acclimation on the growth, polysaccharide production and tolerance performance of Nostoc flagelliforme. <b>2023</b> , 70, 102968	O
32	ISOLATION AND CHARACTERIZATION OF HEMICELLULOSES POLYSACCHARIDES OF SCOTS PINE WOOD (PINUS SYLVESTRIS). <b>2022</b> , 47-57	O
31	OPTIMIZATION OF PECTIN EXTRACTION FROM THE BARK OF SIBERIAN FIR (ABIES SIB <b>R</b> ICA), CORRUPTED BY USSURI POLYGRAPH (POLYGRAPHUS PROXIMUS). <b>2022</b> , 67-76	O
30	Extraction, Purification and Electrical Characterization of Gross Galactomannan and Purified Galactomannan Obtained from Adenanthera pavonina L. Seeds.	O
29	Regulation of Intersubunit Interactions in Homotetramer of Glyceraldehyde-3-Phosphate Dehydrogenases upon Its Immobilization in Protein Lappa-Carrageenan Gels. 2023, 15, 676	O
28	The incorporation of peach gum polysaccharide into soy protein based microparticles improves probiotic bacterial survival during simulated gastrointestinal digestion and storage. <b>2023</b> , 413, 135596	O
27	Plant cell wall polysaccharides: Methodologies for compositional, structural, and physicochemical characterization. <b>2023</b> , 1-37	O
26	A fractionation strategy of cellulose, hemicellulose, and lignin from wheat straw via the biphasic pretreatment for biomass valorization. <b>2023</b> , 376, 128887	0
25	Conductive polymer blend based on polyaniline and galactomannan: Optical and electrical properties. <b>2023</b> , 295, 117346	O

24	Utilisation of an active branching sucrase from Lactobacillus kunkeei AP-37 to produce techno-functional poly-oligosaccharides. <b>2023</b> , 236, 123967	0
23	Differences in hemicellulose composition and pectin detection in Eocene and Miocene xylites. <b>2023</b> , 624, 121416	O
22	The role of amide groups in the mechanism of acid-induced pectin gelation: A potential pH-sensitive hydrogel based on hydrogen bond interactions. <b>2023</b> , 141, 108741	0
21	Emulsifiers from olive stones. <b>2023</b> , 140, 108664	Ο
20	Pectin-based aerogel particles for drug delivery: Effect of pectin composition on aerogel structure and release properties. <b>2023</b> , 306, 120604	Ο
19	Developing on the well performance and eco-friendly sucrose-based wood adhesive. <b>2023</b> , 194, 116298	O
18	Study of the pectin influence on bio-oil produced from sisal residue pyrolysis. 2023, 170, 105906	Ο
17	Ultrasound-Assisted Extraction of Mango (Mangifera indica) Kernel Starch: Chemical, Techno-Functional, and Pasting Properties. <b>2023</b> , 9, 136	Ο
16	Neutral and Pectic Heteropolysaccharides Isolated from Opuntia joconostle Mucilage: Composition, Molecular Dimensions and Prebiotic Potential. <b>2023</b> , 24, 3208	О
15	A High Curing Efficiency Sucrose-based Adhesive via two-step modification by Toluene-4-sulfonic Acid and Methylenediphenyl Diisocyanate.	Ο
14	Selective hydrogenolysis of lignin in the presence of Ni3Fe1 alloy supported on zirconium phosphate. <b>2023</b> , 271, 118570	Ο
13	The only surviving Medieval codex of Galician-Portuguese secular poetry: tracing history through luxury pink colors. <b>2023</b> , 11,	1
12	Gene Expression, Structural Characterization, and Functional Properties of Exopolysaccharide Produced from Potential Probiotic Enterococcus faecalis NOC219 Strain.	0
11	Efficient removal of hexavalent chromium from water by Bacillus sp. Y2-7 with production of extracellular polymeric substances. 1-11	O
10	Milk protein-based cryogel monoliths as novel encapsulants of probiotic bacteria. Part I: Microstructural, physicochemical, and mechanical characterisation. <b>2023</b> , 140, 108641	0
9	New Inonotus Polysaccharides: Characterization and Anticomplementary Activity of Inonotus rheades Mycelium Polymers. <b>2023</b> , 15, 1257	0
8	Isolation, characterization, and valorization of hemicelluloses from olive solid residue as biomaterial, partial kaolin hydrolysis, and antiproliferative activity.	0
7	Investigations on the Reverse Flotation of Quartz/Hematite Using Pullulan as a Novel Depressant. <b>2023</b> , 13, 550	O

6	Pectin methylesterification modulates cell wall properties to promote neighbour proximity-induced hypocotyl growth.	0
5	MoO3datalyzed transformation of corn stalk cellulose to glycolic acid: an experimental and DFT study. <b>2023</b> , 30, 3523-3537	O
4	Effects of 1-Methylcyclopropene Combined with Tea Polyphenols Coating Treatment on Storage Quality and Cell Wall Metabolism of Bracken (Pteridium aquilinum var. latiusculum).	0
3	Antibacterial ௵lucan/Zinc Oxide Nanocomposite Films for Wound Healing.	o
2	Surface adhesion of pMDI resin on wood biopolymer model films.	0
	Use of brewer's residual yeast for production of bacterial nanocellulose with Gluconacetobacter	