

# CITATION REPORT

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## Thermal studies on natural and modified gums

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#	Paper	IF	Citations
427	Chitosan-based ferrimagnetic membrane. <b>2004</b> , 354, 171-173		7
426	Blends of hydroxypropyl methylcellulose and poly(1-vinylpyrrolidone-co-vinyl acetate): Miscibility and thermal stability. <b>2005</b> , 90, 21-27		46
425	Chitosan/carboxymethyl cashew gum polyelectrolyte complex: synthesis and thermal stability. <b>2005</b> , 41, 2726-2733		57
424	Chitosan-reinforced alginate microspheres obtained through the emulsification/internal gelation technique. <b>2005</b> , 25, 31-40		184
423	Algal polysaccharide capsule-templated growth of magnetic nanoparticles. <b>2005</b> , 29, 681		24
422	Microfibrous Chitosan/βiopolite Nanocomposites. <b>2006</b> , 18, 1602-1610		182
421	Characterization of insulin-loaded alginate nanoparticles produced by ionotropic pre-gelation through DSC and FTIR studies. <i>Carbohydrate Polymers</i> , <b>2006</b> , 66, 1-7	10.3	355
420	Characterization of crosslinked cashew gum derivatives. <i>Carbohydrate Polymers</i> , <b>2006</b> , 66, 16-26	10.3	53
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251	Matrix Effect on the Spray Drying Nanoencapsulation of <i>Lippia sidoides</i> Essential Oil in Chitosan-Native Gum Blends. <b>2017</b> , 83, 392-397		17
250	Immobilization of bioactive compounds in <i>Cassia grandis</i> galactomannan-based films: Influence on physicochemical properties. <b>2017</b> , 96, 727-735		16
249	Green synthesis of Ni <sup>2+</sup> /Mg ferrite nanoparticles using tragacanth gum and their use as an efficient catalyst for the synthesis of polyhydroquinoline derivatives. <b>2017</b> , 82, 432-439		95

248	Gelation and structural characteristics of deacetylated salep glucomannan. <b>2017</b> , 69, 255-263	20
247	Synthesis, mechanical and thermal rheological properties of new gellan gum derivatives. <b>2017</b> , 98, 646-653	32
246	Green synthesis of Ni-Cu-Zn ferrite nanoparticles using tragacanth gum and their use as an efficient catalyst for the synthesis of polyhydroquinoline derivatives. <b>2017</b> , 31, e3823	59
245	Functional properties and physicochemical characteristics of tamarind ( <i>Tamarindus indica</i> L.) seed mucilage powder as a novel hydrocolloid. <b>2017</b> , 209, 68-75	60
244	Purification of glucomannan from salep: Part 2. Structural characterization. <i>Carbohydrate Polymers</i> , <b>2017</b> , 169, 406-416	10.3 9
243	Characterization of aerogels from chemo-enzymatically oxidized galactomannans as novel polymeric biomaterials. <b>2017</b> , 93, 347-357	10
242	Sustainable Improvement of Tropical Residual Soil Using an Environmentally Friendly Additive. <b>2017</b> , 35, 2613-2623	48
241	Preparation and characterization of nano-SiO <sub>2</sub> reinforced alginate-based nanocomposite films (II). <b>2017</b> , 134, 45286	9
240	Edible films from mucilage of <i>Cereus hildmannianus</i> fruits: Development and characterization. <b>2017</b> , 134, 45223	11
239	Comparative study of <i>Acacia nilotica</i> exudate gum and acacia gum. <b>2017</b> , 102, 266-271	30
238	Green synthesis using tragacanth gum and characterization of Ni-Cu-Zn ferrite nanoparticles as a magnetically separable photocatalyst for organic dyes degradation from aqueous solution under visible light. <b>2017</b> , 28, 10739-10746	23
237	Sustained release gastroretentive tablet of metformin hydrochloride based on poly (acrylic acid)-grafted-gellan. <b>2017</b> , 96, 137-148	29
236	Hybrid nanomaterials based on gum Arabic and magnetite for hyperthermia treatments. <b>2017</b> , 74, 443-450	43
235	Processing and characterization of chitosan films with incorporation of ethanolic extract from <i>Bequi</i> peels. <b>2017</b> , 25, 1049-1056	16
234	The influence of hydroalcoholic media on the performance of <i>Grewia</i> polysaccharide in sustained release tablets. <b>2017</b> , 532, 352-364	12
233	Stability study of $\beta$ -oc/ECD powders obtained by microwave heating and encapsulation process. <b>2017</b> , 130, 1473-1480	5
232	Novel sol-gel synthesis and characterization of superparamagnetic magnesium ferrite nanoparticles using tragacanth gum as a magnetically separable photocatalyst for degradation of reactive blue 21 dye and kinetic study. <b>2017</b> , 28, 17002-17008	38
231	Influence of Stereochemistry on Relative Reactivities of Glucosyl and Mannosyl Residues in Konjac Glucomannan (KGM). <b>2017</b> , 218, 1700119	3

230	Effect of moderate electric fields in the properties of starch and chitosan films reinforced with microcrystalline cellulose. <i>Carbohydrate Polymers</i> , <b>2017</b> , 174, 1181-1191	10.3	32
229	Bioactive chitosan/ellagic acid films with UV-light protection for active food packaging. <b>2017</b> , 73, 120-128		100
228	Development of carboxymethyl cellulose-chitosan hybrid micro- and macroparticles for encapsulation of probiotic bacteria. <i>Carbohydrate Polymers</i> , <b>2017</b> , 175, 87-95	10.3	61
227	Sodium Carboxymethylcellulose Derived Oxygen-Rich Porous Carbon Anodes for High-Performance Lithium/Sodium-Ion Batteries. <b>2017</b> , 4, 500-507		11
226	Improvement of Problematic Soils with Biopolymer An Environmentally Friendly Soil Stabilizer. <b>2017</b> , 29, 04016204		125
225	Effects of halloysite nanotubes on physical properties and cytocompatibility of alginate composite hydrogels. <b>2017</b> , 70, 303-310		73
224	Nanohydroxyapatite-coated hydroxyethyl cellulose/poly (vinyl) alcohol electrospun scaffolds and their cellular response. <b>2017</b> , 66, 115-122		14
223	Development and characterization of electrosprayed <i>Alyssum homolocarpum</i> seed gum nanoparticles for encapsulation of d-limonene. <b>2017</b> , 490, 562-575		74
222	Microencapsulation by spray drying of lemon essential oil: Evaluation of mixtures of mesquite gum-nopal mucilage as new wall materials. <b>2017</b> , 34, 395-407		29
221	Effects of Methylcellulose on the Properties and Morphology of Polysulfone Membranes Prepared by Phase Inversion. <b>2017</b> , 20, 339-348		22
220	Extraction, purification and characterization of water soluble galactomannans from <i>Mimosa pudica</i> seeds. <b>2017</b> , 1, 303-309		4
219	Thermal studies on Arabic gum - carrageenan polysaccharides film. <b>2017</b> , 19, 80		14
218	Evaluation of technology potential of <i>Aloe arborescens</i> biopolymer in galvanic effluent treatment. <b>2017</b> , 2017, 48-57		2
217	Physicochemical properties of tucumã ( <i>Astrocaryum aculeatum</i> ) powders with different carbohydrate biopolymers. <b>2018</b> , 94, 79-86		16
216	Rapid cultivation of aerobic granular sludge by xanthan gum in SBR reactors. <b>2018</b> , 2017, 360-369		5
215	Nanoencapsulation of lemon essential oil in Chitosan-Hicap system. Part 1: Study on its physical and structural characteristics. <b>2018</b> , 115, 143-151		66
214	Physicochemical, functional and rheological investigation of <i>Soymida febrifuga</i> exudate gum. <b>2018</b> , 111, 1116-1123		18
213	Lifetime prediction and kinetic parameters of thermal decomposition of cashew gum by thermal analysis. <b>2018</b> , 131, 397-404		13

212	Thermal stability and haemolytic effects of depolymerized guar gum derivatives. <b>2018</b> , 55, 1047-1055	6
211	A novel sol-gel synthesis and characterization of MgFe <sub>2</sub> O <sub>4</sub> @Al <sub>2</sub> O <sub>3</sub> magnetic nanoparticles using tragacanth gel and its application as a magnetically separable photocatalyst for degradation of organic dyes under visible light. <b>2018</b> , 29, 6702-6710	33
210	Production of cotton fabrics with durable antibacterial property by using gum tragacanth and silver. <b>2018</b> , 109, 476-482	40
209	Antifungal activity of oral (Tragacanth/acrylic acid) Amphotericin B carrier for systemic candidiasis: in vitro and in vivo study. <b>2018</b> , 8, 191-203	17
208	Ultrasound, microwave and Box-Behnken Design amalgamation offered superior yield of gum from <i>Abelmoschus esculentus</i> : Electrical, chemical and functional peculiarity. <b>2018</b> , 145, 169-178	10
207	Enzyme oxidation of plant galactomannans yielding biomaterials with novel properties and applications, including as delivery systems. <b>2018</b> , 102, 4687-4702	8
206	Effect of spray drying on the properties of camelina gum isolated from camelina seeds. <b>2018</b> , 117, 278-285	5
205	Characterization and functional properties of some natural Acacia gums. <b>2018</b> , 17, 241-249	51
204	Cellulose Derivatives Enhanced Stability of Alginate-Based Beads Loaded with <i>Lactobacillus plantarum</i> LAB12 against Low pH, High Temperature and Prolonged Storage. <b>2018</b> , 10, 543-557	14
203	Graft copolymerization of polyacrylic acid onto Acacia gum using erythrosine thiourea as a visible light photoinitiator: application for dye removal. <b>2018</b> , 75, 3325-3340	12
202	Preparation of cashew gum-based flocculants by microwave- and ultrasound-assisted methods. <b>2018</b> , 107, 1550-1558	11
201	Structural characterization and thermal behavior of a gum extracted from <i>Ferula assa foetida</i> L. <i>Carbohydrate Polymers</i> , <b>2018</b> , 181, 426-432	10.3 18
200	Hydro-alcoholic media effects on theophylline release from sesamum polysaccharide gum matrices. <b>2018</b> , 44, 251-260	4
199	Preservation of the antibacterial activity of enzymes against <i>Alicyclobacillus</i> spp. through microencapsulation. <b>2018</b> , 88, 18-25	8
198	A new study of iodine complexes of oxidized gum arabic: An interaction between iodine monochloride and aldehyde groups. <i>Carbohydrate Polymers</i> , <b>2018</b> , 180, 337-347	10.3 21
197	Superabsorbent crosslinked carboxymethyl cellulose-PEG hydrogels for potential wound dressing applications. <b>2018</b> , 106, 1218-1234	183
196	Characterization, mechanistic analysis and improving the properties of denture adhesives. <b>2018</b> , 34, 120-131	8
195	Synthesis, characterization, and swelling kinetic study of porous superabsorbent hydrogel nanocomposite based on sulfonated carboxymethylcellulose and silica nanoparticles. <b>2018</b> , 25, 1325-1335	14

194	Exploring the Potential of Mesquite Gum-Nopal Mucilage Mixtures: Physicochemical and Functional Properties. <b>2018</b> , 83, 113-121	5
193	Preparation of pH-sensitive hydrogels by graft polymerization of itaconic acid on tragacanth gum. <b>2018</b> , 68, 344	9
192	Enhanced Oil Recovery. <b>2018</b> , 1-33	
191	Green Synthesis Using Tragacanth Gum and Characterization of NiCuZn Ferrite Nanoparticles as a Magnetically Separable Catalyst for the Synthesis of Hexabenzylhexaazaisowurtzitane Under Ultrasonic Irradiation. <b>2018</b> , 59, 1730-1736	11
190	Gravimetric and Calorimetric Analysis of Some Sudanese Acacia Exudate Gums. <b>2018</b> , 107-118	
189	Effect of the chromium ion diffusion in polyacrylamide/chromium acetate gelation system with surrounding water on gelation behavior. <b>2018</b> , 171, 1067-1076	9
188	Study on thermal and mechanical properties of cellulose/iron oxide bionanocomposites film. <b>2018</b> , 10, 1-5	28
187	Green synthesis and characterization of magnetic NiFe <sub>2</sub> O <sub>4</sub> @ZnO nanocomposite and its application for photocatalytic degradation of organic dyes. <b>2018</b> , 29, 14151-14160	30
186	Production and characterization of CMC-based antioxidant and antimicrobial films enriched with chickpea hull polysaccharides. <b>2018</b> , 118, 469-477	49
185	Development and characterization of iron-pectin beads as a novel system for iron delivery to intestinal cells. <b>2018</b> , 170, 538-543	15
184	Lactic acid oligomer (OLLA) grafted gum arabic based green adhesive for structural applications. <b>2018</b> , 120, 711-720	14
183	Insulin Inclusion into a Tragacanth Hydrogel: An Oral Delivery System for Insulin. <b>2018</b> , 11,	14
182	Printed Graphene Derivative Circuits as Passive Electrical Filters. <b>2018</b> , 8,	4
181	Xanthan Gum Production by <i>Xanthomonas campestris</i> pv. <i>campestris</i> IBSBF 1866 and 1867 from Lignocellulosic Agroindustrial Wastes. <b>2018</b> , 186, 750-763	19
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179	Activity and Structural Characteristics of Peach Gum Exudates. <b>2018</b> , 2018, 1-5	9
178	Green Chemistry Approach for the Synthesis of Copper Oxide Nanoparticles Using Tragacanth Gel and Their Structural Characterization. <b>2018</b> , 59, 482-486	9
177	Impact of a carbon source and stress conditions on some properties of xanthan gum produced by <i>Xanthomonas campestris</i> pv. <i>mangiferaeindicae</i> . <b>2018</b> , 15, 167-172	5



176	Mimosa pudica gum based nanoparticles development, characterization, and evaluation for their mutagenicity, cytotoxicity and antimicrobial activity. <b>2019</b> , 6, 105308		6
175	Recent developments in gum edible coating applications for fruits and vegetables preservation: A review. <i>Carbohydrate Polymers</i> , <b>2019</b> , 224, 115141	10.3	57
174	Effect of cold plasma treatment on Xanthan gum properties. <i>Polymer Testing</i> , <b>2019</b> , 79, 106056	4.5	26
173	Acemannan-based films: an improved approach envisioning biomedical applications. <b>2019</b> , 6, 095406		4
172	Genipin-enhanced nacre-inspired montmorillonite-chitosan film with superior mechanical and UV-blocking properties. <b>2019</b> , 182, 107747		16
171	Combined application of <i>Trichoderma harzianum</i> SH2303 and difenoconazole-propiconazolein controlling Southern corn leaf blight disease caused by <i>Cochliobolus heterostrophus</i> in maize. <b>2019</b> , 18, 2063-2071		8
170	Chia seed ( <i>Salvia hispanica</i> L.) mucilage (a heteropolysaccharide): Functional, thermal, rheological behaviour and its utilization. <b>2019</b> , 140, 1084-1090		22
169	Synthesis, characterization and evaluation of deacetylated xanthan derivatives as new excipients in the formulation of chitosan-based polyelectrolytes for the sustained release of tramadol. <b>2019</b> , 27, 1127-1137	7	
168	Enhanced Oil Recovery. <b>2019</b> , 1045-1077		
167	Role of polymer/polymer and polymer/drug specific interactions in drug delivery systems. <b>2019</b> , 39, 534-544		5
166	Amino-Acid-Modified-Cashew Gum Flocculant: Synthesis, Characterization, and Application. <b>2019</b> , 27, 1465-1474		1
165	Physicochemical, functional, structural, thermal characterization and $\alpha$ -amylase inhibition of polysaccharides from chickpea ( <i>Cicer arietinum</i> L.) hulls. <b>2019</b> , 113, 108265		20
164	Production of novel chia-mucilage nanocomposite films with starch nanocrystals; An inclusive biological and physicochemical perspective. <b>2019</b> , 133, 663-673		24
163	Polymer blending effects on the physicochemical and structural features of the chitosan/poly(vinyl alcohol)/fish gelatin ternary biodegradable films. <b>2019</b> , 95, 122-132		72
162	Gluconate action in the hydration of calcium aluminate cements: Theoretical study, processing of aqueous suspensions and hydration reactivation. <b>2019</b> , 39, 2748-2759		8
161	Graft-copolymer of polyacrylamide-tamarind seed gum: Synthesis, characterization and evaluation of flocculating potential in peroral paracetamol suspension. <i>Carbohydrate Polymers</i> , <b>2019</b> , 215, 213-225	10.3	18
160	Chemical composition and thermal properties of <i>Pistacia atlantica</i> subsp. <i>Kurdica</i> gum. <b>2019</b> , 62,		5
159	Preparation and characterization of Xyloglucan films extracted from <i>Tamarindus indica</i> seeds for packaging cut-up 'Sunrise Solo' papaya. <b>2019</b> , 132, 1163-1175		11



158	Recent progress in the industrial and biomedical applications of tragacanth gum: A review. <i>Carbohydrate Polymers</i> , <b>2019</b> , 212, 450-467	10.3	102
157	Influence of nanosilica on inner structure and performance of chitosan based films. <i>Carbohydrate Polymers</i> , <b>2019</b> , 212, 421-429	10.3	24
156	Gum Tragacanth ( <i>Astragalus gummifer</i> Labillardiere). <b>2019</b> , 299-326		2
155	Marshmallow ( <i>Althaea officinalis</i> ) Flower Gum. <b>2019</b> , 397-423		1
154	Effects of Thermal Treatment on the Physical Properties of Edible Calcium Alginate Gel Beads: Response Surface Methodological Approach. <i>Foods</i> , <b>2019</b> , 8,	4.9	8
153	A Deep Analytical Study in the Oxidation Polymerization Desulfurization Process Using a Keggin-Type Polyoxometalate Catalyst: Characterization of Solid and Liquid Products. <b>2019</b> , 92, 1291-1305		2
152	Polysaccharides from tubers of <i>Bletilla striata</i> : Physicochemical characterization, formulation of buccoadhesive wafers and preliminary study on treating oral ulcer. <b>2019</b> , 122, 1035-1045		30
151	Polyacrylamide hydrogel application in sand control with compressive strength testing. <b>2019</b> , 16, 94-104		10
150	Thiol modified Moringa gum - A potential bioadhesive polymer. <i>Carbohydrate Polymers</i> , <b>2019</b> , 209, 400-408	10.3	20
149	A structural study of self-assembled chitosan-based sponge materials. <i>Carbohydrate Polymers</i> , <b>2019</b> , 206, 685-693	10.3	6
148	A comparative study of thermal and textural properties of milk, white and dark chocolates. <b>2019</b> , 671, 60-69		13
147	Preparation of sustained-release fragrance based on the cavity structure of Cyclodextrin and its application in cotton fabric. <b>2019</b> , 89, 3466-3474		10
146	Preparation of a novel water-soluble gel from <i>Erwinia amylovora</i> levan. <b>2019</b> , 122, 469-478		16
145	Optimization of sulfation of okra fruit gum for improved rheological and pharmacological properties. <b>2019</b> , 122, 1-9		13
144	About endothermic sorption of tyrosine on chitosan films. <i>Carbohydrate Polymers</i> , <b>2019</b> , 206, 57-64	10.3	11
143	Enhancement of spectroscopic, thermal, electrical and morphological properties of polyethylene oxide/carboxymethyl cellulose blends: Combined FT-IR/DFT. <b>2019</b> , 159, 430-440		77
142	Use of xanthan and guar gums in soil strengthening. <b>2019</b> , 21, 155-165		48
141	Synthesis and characterization of a graft-modified copolymer for enhanced oil recovery. <b>2020</b> , 184, 106473		10

140	Geo-engineering properties of expansive soil treated with xanthan gum biopolymer. <b>2020</b> , 15, 107-122	19
139	The formulation optimization and properties of novel oleuropein-loaded nanocarriers. <b>2020</b> , 57, 327-337	5
138	Formulation and characterization of tamarind ( <i>Tamarindus indica</i> L.) seed kernel powder (TKP) as green adhesive for lignocellulosic composite industry. <b>2020</b> , 142, 879-888	7
137	The use of visible and UV dissolution imaging for the assessment of propranolol hydrochloride in liquisolid compacts of <i>Sesamum radiatum</i> gum. <b>2020</b> , 56, 101511	8
136	Nitrate removal from aqueous solutions by adsorption onto hydrogel-rice husk biochar composite. <b>2020</b> , 92, 934-947	15
135	Characterizations of bacterial cellulose nanofibers reinforced edible films based on konjac glucomannan. <b>2020</b> , 145, 634-645	37
134	New Spray-Dried Microcapsule Based on Brazilian Cashew Polysaccharide ( <i>Anacardium othonianum</i> Rizz.) and Maltodextrin as Wall Material. <b>2020</b> , 28, 854-862	3
133	Preparation of PGX-dried gum arabic and its loading with coQ10 by adsorptive precipitation. <b>2020</b> , 156, 104662	2
132	Synthesis, characterization and fabrication of sodium carboxymethyl-okra-gum-grafted-polymethacrylamide into sustained release tablet matrix. <b>2020</b> , 164, 3885-3900	8
131	Physiochemical and rheological characterization of pithecellobium dulce (Roxb.) benth gum exudate as a potential wall material for the encapsulation of rosemary oil.. <b>2020</b> , 1, 100005	5
130	Characterization and likelihood application of extracted mucilage from Hollyhocks plant as a natural polymer in enhanced oil recovery process by alkali-surfactant-polymer (ASP) slug injection into sandstone oil reservoirs. <b>2020</b> , 320, 114445	10
129	Novel complex coacervates based on Zedo gum, cress seed gum and gelatin for loading of natural anthocyanins. <b>2020</b> , 164, 3349-3360	12
128	«Green» synthesis and characterization of galactomannan sulfates obtained using sulfamic acid. <b>2020</b> , 1	13
127	Nuclear Magnetic Resonance and Calorimetric Investigations of Extraction Mode on Flaxseed Gum Composition. <i>Polymers</i> , <b>2020</b> , 12,	4-5 2
126	Properties enhancement of carboxymethyl cellulose with thermo-responsive polymer as solid polymer electrolyte for zinc ion battery. <b>2020</b> , 10, 12587	22
125	Novel synthesis, DFT and investigation of the optical and electrical properties of carboxymethyl cellulose/thiobarbituric acid/copper oxide [CMC + TBA/CuO]C nanocomposite film. <b>2020</b> , 27, 1	34
124	Single-Step Fabrication of CoreShell Microgels for the Controlled Release of rhBMP-2 and Simvastatin to Induce Osteogenesis. <b>2020</b> , 2, 4902-4913	2
123	Biomimetically Mineralized Alginate Nanocomposite Fibers for Bone Tissue Engineering: Mechanical Properties and in Vitro Cellular Interactions.. <b>2020</b> , 3, 6746-6755	5

122	Synthesis of Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> Nanocomposite and the Study of Its effects on Photocatalytic Degradation of Reactive Blue 222 and Reactive Yellow 145 Dyes. <b>2020</b> , 5, 9966-9973		4
121	Evaluation of hard capsule application from seaweed: Gum Arabic-Kappa carrageenan biocomposite films. <b>2020</b> , 7, 1765682		7
120	Surface Morphology and Physicochemical Characterization of Thermostable Gum: A Potential Pharmaceutical Excipient. <b>2020</b> , 5, 29189-29198		4
119	Effect of heat treatment on thermal and mechanical stability of NaOH-doped xanthan gum-based hydrogels. <b>2020</b> , 24, 1337-1347		3
118	Grisailles: Reconstruction and characterization of historical recipes. <b>2020</b> , 11, 756-773		4
117	Fabrication and characterization of Grass pea ( <i>Lathyrus sativus</i> ) protein isolate-Alyssum homolcarpum seed gum complex coacervate. <i>Polymer Testing</i> , <b>2020</b> , 89, 106636	4-5	7
116	Characterizations of novel konjac glucomannan emulsion films incorporated with high internal phase Pickering emulsions. <b>2020</b> , 109, 106088		27
115	Synthesis of Gum Arabic-g-polyaniline using diode laser. <b>2020</b> , 161, 848-853		1
114	Effect of Natural Herbs on Hydrated Phases of Lime Mortar. <b>2020</b> , 26, 04020021		2
113	Physico-chemical characterization of alginates isolated from a Tunisian <i>Padina pavonica</i> algae as a sustainable biomaterial. <b>2020</b> , 69, 1130-1139		2
112	Design and Development of Spray-Dried Microsystems to Improve Technological and Functional Properties of Bioactive Compounds from Hazelnut Shells. <b>2020</b> , 25,		6
111	Extraction of a novel water-soluble gum from nettle ( <i>Urtica dioica</i> ) seeds: Optimization and characterization. <b>2020</b> , 162, 480-489		10
110	A novel xanthan gum-based conductive hydrogel with excellent mechanical, biocompatible, and self-healing performances. <i>Carbohydrate Polymers</i> , <b>2020</b> , 247, 116743	10.3	31
109	Green synthesis of recyclable MgFeCrO <sub>4</sub> spinel nanoparticles for rapid photodegradation of direct black 122 dye. <b>2020</b> , 392, 112433		59
108	Use of sea urchin spines with chitosan gel for biodegradable film production. <b>2020</b> , 152, 102-108		9
107	Controlled size green synthesis of bioactive silver nanoparticles assisted by chitosan and its derivatives and their application in biofilm preparation. <i>Carbohydrate Polymers</i> , <b>2020</b> , 236, 116063	10.3	31
106	Carboxymethylation of hemicellulose isolated from poplar ( <i>Populus grandidentata</i> ) and its potential in water-soluble oxygen barrier films. <b>2020</b> , 27, 3359-3377		16
105	Application of dielectric barrier discharge plasma to hydrophobically modification of gum arabic with enhanced surface properties. <b>2020</b> , 104, 105724		17

104	Instability of low-moisture carrageenans as affected by water vapor sorption at moderate storage temperatures. <b>2020</b> , 2, 1		1
103	New alkylated xanthan gum as amphiphilic derivatives: Synthesis, physicochemical and rheological studies. <b>2020</b> , 1207, 127768		17
102	Differential scanning calorimetry (DSC) of nanoencapsulated food ingredients. <b>2020</b> , 295-346		2
101	Cashew-gum-based silver nanoparticles and palygorskite as green nanocomposites for antibacterial applications. <b>2020</b> , 115, 110927		9
100	New Studies on the Galactomannan Extracted from <i>Trigonella foenum-graecum</i> (Fenugreek) Seed: Effect of Subsequent Use of Ultrasound and Microwave on the Physicochemical and Rheological Properties. <b>2020</b> , 13, 882-900		15
99	Biotechnological potential of soybean molasses for the production of extracellular polymers by diazotrophic bacteria. <b>2020</b> , 25, 101609		3
98	Cytotoxic and antioxidant activity of the polysaccharide isolated from the seeds of <i>Strychnos potatorum</i> . <b>2020</b> , 25, 101586		2
97	Physicochemical characterizations of gum Arabic modified with oxidation products of ferulic acid. <b>2020</b> , 107, 105919		16
96	Cassava starch: structural modification for development of a bio-adsorber for aqueous pollutants. Characterization and adsorption studies on methylene blue. <b>2021</b> , 78, 1087-1107		2
95	The interactions between the two negatively charged polysaccharides: Gum Arabic and alginate. <b>2021</b> , 112, 106343		13
94	Stability enhancement of garlic essential oil using new opopanax gum/gelatin nanofibres. <i>International Journal of Food Science and Technology</i> , <b>2021</b> , 56, 2255-2263	3.8	2
93	Cellulose isolated from <i>Delonix regia</i> pods: Characterisation and application in the encapsulation of vitamin A. <b>2021</b> , 160, 113138		3
92	Effect of glutaraldehyde/glycerol ratios on the properties of chitosan films. <i>Journal of Food Processing and Preservation</i> , <b>2021</b> , 45,	2.1	15
91	Tragacanth Gum as Green Binder for Sustainable Water-Processable Electrochemical Capacitor. <b>2021</b> , 14, 356-362		9
90	Effect of Xanthan Gum Biopolymer on Fracture Properties of Clay. <b>2021</b> , 33, 04020426		4
89	Functionalized Food-Grade Biopolymer-Nanosilica Based Hybrid Hydrogels as Sustained Delivery Devices of Rutin. <b>2021</b> , 29, 260-270		0
88	Formulation and evaluation of interpenetrating network of xanthan gum and polyvinylpyrrolidone as a hydrophilic matrix for controlled drug delivery system. <b>2021</b> , 78, 59-80		17
87	<i>Ornithogalum cuspidatum</i> mucilage as a new source of plant-based polysaccharide: Physicochemical and rheological characterization. <b>2021</b> , 15, 2184-2201		3

86	Investigating the Potential of Xanthan Gum for Aeolian Erosion Mitigation. <b>2021</b> , 379-386	3
85	Vehiculation of Methyl Salicylate from Microcapsules Supported on Textile Matrix. <b>2021</b> , 14,	2
84	Hydrocolloid effects on N-E-carboxymethyllysine and acrylamide of deep-fried fish nuggets. <b>2021</b> , 39, 100797	5
83	Optimization of extraction and characterization of physicochemical, structural, thermal, and antioxidant properties of mucilage from Hollyhock root: a functional heteropolysaccharide. <b>2021</b> , 15, 2889-2903	4
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