

# CITATION REPORT

List of articles citing

**Pectins: structure, biosynthesis, and oligogalacturonide-related signaling**

**DOI: 10.1016/s0031-9422(01)00113-3**  
**Phytochemistry, 2001, 57, 929-67.**

**Source:** <https://exaly.com/paper-pdf/32983960/citation-report.pdf>

**Version:** 2024-04-27

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

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

#	Paper	IF	Citations
1523	Ion binding on polyuronates - alginate and pectin. <b>1975</b> , 42, 371-397		278
1522	Requirement of borate cross-linking of cell wall rhamnogalacturonan II for Arabidopsis growth. <b>2001</b> , 294, 846-9		497
1521	Biosynthesis of sterols and triterpenes in cell suspension cultures of <i>Uncaria tomentosa</i> . <b>2002</b> , 43, 1502-9		58
1520	QUASIMODO1 encodes a putative membrane-bound glycosyltransferase required for normal pectin synthesis and cell adhesion in Arabidopsis. <b>2002</b> , 14, 2577-90		262
1519	A pectin glucuronyltransferase gene is essential for intercellular attachment in the plant meristem. <b>2002</b> , 99, 16319-24		218
1518	Plant cell adhesion: a bioassay facilitates discovery of the first pectin biosynthetic gene. <b>2002</b> , 99, 15843-5		30
1517	Successive glycosyltransfer activity and enzymatic characterization of pectic polygalacturonate 4-alpha-galacturonosyltransferase solubilized from pollen tubes of <i>Petunia axillaris</i> using pyridylaminated oligogalacturonates as substrates. <b>2002</b> , 130, 374-9		43
1516	A novel enzyme activity involving the demethylation of specific partially methylated oligogalacturonides. <b>2002</b> , 367, 511-5		5
1515	Direct interference with rhamnogalacturonan I biosynthesis in Golgi vesicles. <b>2002</b> , 129, 95-102		57
1514	Elicitors of defence responses repress a gibberellin signalling pathway in barley embryos. <b>2002</b> , 159, 1383-1386		6
1513	Plant responses to insect herbivory: the emerging molecular analysis. <b>2002</b> , 53, 299-328		1111
1512	The role of calcium in oligogalacturonide-activated signalling in soybean cells. <b>2002</b> , 215, 596-605		64
1511	A sensitive and rapid bioassay of homogalacturonan synthase using 2-aminobenzamide-labeled oligogalacturonides. <b>2002</b> , 43, 1386-9		13
1510	Polygalacturonase-inhibiting proteins in defense against phytopathogenic fungi. <b>2002</b> , 5, 295-9		178
1509	Preparation and Isolation of Oligogalacturonic Acids and Their Biological Effects in Cockscomb ( <i>Celosia argentea</i> L.) Seedlings. <b>2002</b> , 21, 209-215		10
1508	Immunolocalization of beta-D-glucans, pectins, and arabinogalactan-proteins during intrusive growth and elongation of nonarticulated laticifers in <i>Asclepias speciosa</i> Torr. <b>2002</b> , 215, 357-70		20
1507	Oligogalacturonides inhibit the induction of late but not of early auxin-responsive genes in tobacco. <b>2002</b> , 215, 494-501		38

1506	Attachment of the parasitic weed dodder to the host. <b>2002</b> , 219, 227-37	63
1505	Structural characterisation of the olive pomace pectic polysaccharide arabinan side chains. <b>2002</b> , 337, 917-24	80
1504	Fluorescent labeling of pectic oligosaccharides with 2-aminobenzamide and enzyme assay for pectin. <b>2002</b> , 337, 1023-32	45
1503	High-performance liquid chromatographic separation and on-line mass spectrometric detection of saturated and unsaturated oligogalacturonic acids. <b>2002</b> , 337, 2481-6	9
1502	Changes in gene expression in the wood-forming tissue of transgenic hybrid aspen with increased secondary growth. <b>2003</b> , 52, 893-903	59
1501	Mutation of a family 8 glycosyltransferase gene alters cell wall carbohydrate composition and causes a humidity-sensitive semi-sterile dwarf phenotype in Arabidopsis. <b>2003</b> , 53, 647-661	55
1500	Quantitative determination of saturated oligogalacturonic acids in enzymatic digests of polygalacturonic acid, pectin and carrot pomace by on-line LC-ESI-MS. <b>2003</b> , 377, 655-9	5
1499	In vitro biosynthesis of galactans by membrane-bound galactosyltransferase from radish ( <i>Raphanus sativus</i> L.) seedlings. <b>2003</b> , 217, 271-82	13
1498	Feedback from the wall. <b>2003</b> , 6, 611-6	86
1497	Emulsion stabilizing properties of pectin. <b>2003</b> , 17, 455-462	355
1496	Isolation and characterisation of the homogalacturonan from type II cell walls of the commelinoid monocot wheat using HF-solvolysis. <b>2003</b> , 338, 423-31	17
1495	Synthetic methyl hexagalacturonate hapten inhibitors of anti-homogalacturonan monoclonal antibodies LM7, JIM5 and JIM7. <b>2003</b> , 338, 1797-800	242
1494	Solid-supported enzymatic synthesis of pectic oligogalacturonides and their analysis by MALDI-TOF mass spectrometry. <b>2003</b> , 338, 1951-60	21
1493	Gas chromatography-mass spectrometry method for determining the methanol and acetic acid contents of pectin using headspace solid-phase microextraction and stable isotope dilution. <b>2003</b> , 1017, 151-9	48
1492	Calcium-mediated gelation of an olive pomace pectic extract. <b>2003</b> , 52, 125-133	66
1491	Altered matrix polysaccharides in cell walls of pocket galls formed by an aphid on <i>Distylium racemosum</i> leaves. <b>2003</b> , 26, 1973-1983	5
1490	Cell wall pectic (1-->4)-beta-d-galactan marks the acceleration of cell elongation in the Arabidopsis seedling root meristem. <b>2003</b> , 33, 447-54	120
1489	Control of pollen tube growth: role of ion gradients and fluxes. <b>2003</b> , 159, 539-563	315

1488	Structure and potential immunological activity of a pectin from <i>Centella asiatica</i> (L.) Urban. <b>2003</b> , 338, 2393-402	41
1487	Autolysis-like release of homogalacturonan from bean ( <i>Phaseolus vulgaris</i> L.) callus cell walls. <b>2003</b> , 164, 579-588	4
1486	Oligogalacturonide-induced changes in the developmental pattern of <i>Daucus carota</i> L. somatic embryos. <b>2003</b> , 165, 337-348	16
1485	A rhamnogalacturonan lyase in the <i>Clostridium cellulolyticum</i> cellulosome. <b>2003</b> , 185, 4727-33	40
1484	Pectin [The Hairy Thing]. <b>2003</b> , 47-59	17
1483	Effect of extracellular calcium, pH and borate on growth oscillations in <i>Lilium formosanum</i> pollen tubes. <b>2003</b> , 54, 65-72	98
1482	Ultrastructure of potato tubers formed in microgravity under controlled environmental conditions. <b>2003</b> , 54, 2157-64	9
1481	If homogalacturonan were a side chain of rhamnogalacturonan I. Implications for cell wall architecture. <b>2003</b> , 132, 1781-9	474
1480	Cell wall arabinan is essential for guard cell function. <b>2003</b> , 100, 11783-8	231
1479	Solubilization of an arabinan arabinosyltransferase activity from mung bean hypocotyls. <b>2003</b> , 132, 331-42	34
1478	Analysis of sugars in squash xylem sap. <b>2003</b> , 44, 582-7	33
1477	Elicitor activity of a fungal endopolygalacturonase in tobacco requires a functional catalytic site and cell wall localization. <b>2003</b> , 131, 93-101	40
1476	Characterization of a <i>Ralstonia solanacearum</i> operon required for polygalacturonate degradation and uptake of galacturonic acid. <b>2003</b> , 16, 536-44	64
1475	The endopolygalacturonase 1 from <i>Botrytis cinerea</i> activates grapevine defense reactions unrelated to its enzymatic activity. <b>2003</b> , 16, 553-64	142
1474	Low-Molecular-Weight Pectate Lyase from <i>Streptomyces thermocarboxydus</i> . <b>2004</b> , 51, 1-7	8
1473	Isolation and Characterization of Pectin from Pericarp of <i>Citrus depressa</i> . <b>2004</b> , 51, 19-25	5
1472	Quantitative Trait Loci Associated with Cell Wall Polysaccharides in Soybean Seed. <b>2004</b> , 44, 2101-2106	27
1471	MUCILAGE-MODIFIED4 encodes a putative pectin biosynthetic enzyme developmentally regulated by APETALA2, TRANSPARENT TESTA GLABRA1, and GLABRA2 in the <i>Arabidopsis</i> seed coat. <b>2004</b> , 134, 296-306	152

1470	Molecular analysis of 10 coding regions from Arabidopsis that are homologous to the MUR3 xyloglucan galactosyltransferase. <b>2004</b> , 134, 940-50	53
1469	Purification and characterization of enzymes exhibiting beta-D-xylosidase activities in stem tissues of Arabidopsis. <b>2004</b> , 135, 867-78	100
1468	Physico-chemical characteristics of cell walls from Arabidopsis thaliana microcalli showing different adhesion strengths. <b>2004</b> , 55, 2087-97	18
1467	A bifunctional 3,5-epimerase/4-keto reductase for nucleotide-rhamnose synthesis in Arabidopsis. <b>2004</b> , 134, 1337-46	56
1466	The biosynthesis of D-Galacturonate in plants. functional cloning and characterization of a membrane-anchored UDP-D-Glucuronate 4-epimerase from Arabidopsis. <b>2004</b> , 135, 1221-30	66
1465	A complementary bioinformatics approach to identify potential plant cell wall glycosyltransferase-encoding genes. <b>2004</b> , 136, 2609-20	61
1464	Targeted modification of homogalacturonan by transgenic expression of a fungal polygalacturonase alters plant growth. <b>2004</b> , 135, 1294-304	55
1463	Genomic basis for cell-wall diversity in plants. A comparative approach to gene families in rice and Arabidopsis. <b>2004</b> , 45, 1111-21	132
1462	Occurrence of the primary cell wall polysaccharide rhamnogalacturonan II in pteridophytes, lycophytes, and bryophytes. Implications for the evolution of vascular plants. <b>2004</b> , 134, 339-51	176
1461	The GAOLAOZHUANGREN1 gene encodes a putative glycosyltransferase that is critical for normal development and carbohydrate metabolism. <b>2004</b> , 45, 1453-60	26
1460	Novel cell wall architecture of isoxaben-habituated Arabidopsis suspension-cultured cells: global transcript profiling and cellular analysis. <b>2004</b> , 40, 260-75	116
1459	Changes in pectins and MAPKs related to cell development during early microspore embryogenesis in <i>Quercus suber</i> L. <b>2004</b> , 83, 213-25	21
1458	A Comparative Evaluation of the Metal-Binding Activity of Low-Esterified Pectin from the Seagrass <i>Zostera marina</i> and Other Sorbents. <b>2004</b> , 30, 70-72	6
1457	A xylogalacturonan epitope is specifically associated with plant cell detachment. <b>2004</b> , 218, 673-81	94
1456	Oligogalacturonide signal transduction, induction of defense-related responses and protection of grapevine against <i>Botrytis cinerea</i> . <b>2004</b> , 218, 767-74	148
1455	Biosynthesis of pectic galactan by membrane-bound galactosyltransferase from soybean ( <i>Glycine max</i> Merr) seedlings. <b>2004</b> , 218, 833-42	10
1454	Subcellular localization and topology of beta(1-->4)galactosyltransferase that elongates beta(1-->4)galactan side chains in rhamnogalacturonan I in potato. <b>2004</b> , 218, 862-8	18
1453	l-Galactose replaces l-fucose in the pectic polysaccharide rhamnogalacturonan II synthesized by the l-fucose-deficient mur1 Arabidopsis mutant. <b>2004</b> , 219, 147-57	67

1452	Identification of elongating beta-1,4-galactosyltransferase activity in mung bean ( <i>Vigna radiata</i> ) hypocotyls using 2-aminobenzaminated 1,4-linked beta- D-galactooligosaccharides as acceptor substrates. <b>2004</b> , 219, 310-8		19
1451	Structural analysis of a pectic polysaccharide from the leaves of <i>Diospyros kaki</i> . <i>Phytochemistry</i> , <b>2004</b> , 65, 609-15	4	47
1450	Rhamnogalacturonan I in <i>Solanum tuberosum</i> tubers contains complex arabinogalactan structures. <i>Phytochemistry</i> , <b>2004</b> , 65, 1429-38	4	139
1449	Polygalacturonases, polygalacturonase-inhibiting proteins and pectic oligomers in plant-pathogen interactions. <b>2004</b> , 1696, 237-44		156
1448	Potential physiological role of plant glycosidase inhibitors. <b>2004</b> , 1696, 265-74		61
1447	Synthesis of an apiose-containing disaccharide fragment of rhamnogalacturonan-II and some analogues. <b>2004</b> , 339, 21-7		19
1446	Structural features of pectic polysaccharides from the skin of <i>Opuntia ficus-indica</i> prickly pear fruits. <b>2004</b> , 339, 1119-27		144
1445	Material properties of concentrated pectin networks. <b>2004</b> , 339, 1317-22		51
1444	Crystal structure of <i>Thermotoga maritima</i> alpha-L-fucosidase. Insights into the catalytic mechanism and the molecular basis for fucosidosis. <b>2004</b> , 279, 13119-28		124
1443	Development and characterization of different low methoxy pectin microcapsules by an emulsion-interface reaction technique. <b>2004</b> , 21, 729-41		12
1442	Rhamnogalacturonan lyase reveals a unique three-domain modular structure for polysaccharide lyase family 4. <b>2004</b> , 565, 188-94		35
1441	Prokaryotic origin of cytidyltransferases and alpha-ketoacid synthases. <b>2004</b> , 12, 120-8		27
1440	The role of plant cell wall polysaccharide composition in disease resistance. <b>2004</b> , 9, 203-9		369
1439	Rhamnogalacturonan II: structure and function of a borate cross-linked cell wall pectic polysaccharide. <b>2004</b> , 55, 109-39		649
1438	Toward a systems approach to understanding plant cell walls. <b>2004</b> , 306, 2206-11		931
1437	Differential Distribution of Callose and a (1->4)D-galactan Epitope in the Laticiferous Plant <i>Euphorbia heterophylla</i> L.. <b>2004</b> , 165, 571-585		3
1436	High Level of Dioxxygenase in Short Styles of Distylous <i>Turnera</i> Species. <b>2004</b> , 165, 995-1006		17
1435	Improving fruit and vegetable texture by genetic transformation. <b>2004</b> , 321-341		3

1434	An endopolygalacturonase from <i>Sclerotinia sclerotiorum</i> induces calcium-mediated signaling and programmed cell death in soybean cells. <b>2005</b> , 18, 849-55		64
1433	Characterization of cell wall polysaccharides from the medicinal plant <i>Panax notoginseng</i> . <i>Phytochemistry</i> , <b>2005</b> , 66, 1067-76	4	22
1432	A beta-(1-->3)-arabinopyranosyltransferase that transfers a single arabinopyranose onto arabino-oligosaccharides in mung bean ( <i>Vigna radiate</i> ) hypocotyls. <i>Phytochemistry</i> , <b>2005</b> , 66, 2418-25	4	21
1431	Do polyamines contribute to plant cell wall assembly by forming amide bonds with pectins?. <i>Phytochemistry</i> , <b>2005</b> , 66, 2581-94	4	19
1430	Physical properties of water-soluble pectins in hot- and cold-break tomato pastes. <b>2005</b> , 93, 403-408		8
1429	Isolation and structural characterization of protopectin from the skin of <i>Opuntia ficus-indica</i> prickly pear fruits. <b>2005</b> , 60, 205-213		35
1428	Homogalacturonans from lime pectins exhibit homogeneous charge density and molar mass distributions. <b>2005</b> , 60, 307-317		28
1427	Development of a filter assay for measuring homogalacturonan: alpha-(1,4)-Galacturonosyltransferase activity. <b>2005</b> , 343, 231-6		6
1426	Transcriptional regulation of plant cell wall degradation by filamentous fungi. <b>2005</b> , 29, 719-39		374
1425	Chemical properties of water-soluble pectins in hot- and cold-break tomato pastes. <b>2005</b> , 93, 409-415		10
1424	Dyeing behaviour of cotton fabric bioscourd with pectate lyase and polygalacturonase. <b>2005</b> , 121, 291-297		21
1423	Immunolocalization of homogalacturonans in the apex of the long-day plant <i>Sinapis alba</i> at floral transition. The pectin content drops dramatically in the first hours of this transition. <b>2005</b> , 123, 339-347		8
1422	Growth of the plant cell wall. <b>2005</b> , 6, 850-61		2160
1421	Structural and biochemical studies of GH family 12 cellulases: improved thermal stability, and ligand complexes. <b>2005</b> , 89, 246-91		97
1420	Micro-injection of <i>Lygus</i> salivary gland proteins to simulate feeding damage in alfalfa and cotton flowers. <b>2005</b> , 58, 69-83		40
1419	Atomic force microscopy of the water-soluble pectin of peaches during storage. <b>2005</b> , 220, 587-591		41
1418	Determination of pathogen-related enzyme action by mass spectrometry analysis of pectin breakdown products of plant cell walls. <b>2005</b> , 338, 71-82		38
1417	Mapping sugar beet pectin acetylation pattern. <i>Phytochemistry</i> , <b>2005</b> , 66, 1832-43	4	101

1416	Methods for obtaining neutral and acid oligosaccharides from flax pectins. <b>2005</b> , 27, 33-40	7
1415	Biophysical consequences of remodeling the neutral side chains of rhamnogalacturonan I in tubers of transgenic potatoes. <b>2005</b> , 220, 609-20	105
1414	A conserved functional role of pectic polymers in stomatal guard cells from a range of plant species. <b>2005</b> , 221, 255-64	81
1413	QUASIMODO1 is expressed in vascular tissue of Arabidopsis thaliana inflorescence stems, and affects homogalacturonan and xylan biosynthesis. <b>2005</b> , 222, 613-22	76
1412	Enzymic transfer of alpha-L-arabinopyranosyl residues to exogenous 1,4-linked beta-D-galacto-oligosaccharides using solubilized mung bean (Vigna radiata) hypocotyl microsomes and UDP-beta-L-arabinopyranose. <b>2005</b> , 221, 953-63	16
1411	Assignment of the 1H and 13C NMR spectra of 2-aminobenzamide-labeled galacto- and arabinooligosaccharides. <b>2005</b> , 51, 295-302	6
1410	Immunocytochemistry of pectins in shoot apical meristems: consequences for intercellular adhesion. <b>2005</b> , 225, 15-22	29
1409	Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin. <b>2005</b> , 111, 67-76	9
1408	Pectins from apple pomace. <b>2005</b> , 15, 127-129	23
1407	Separation, Detection, and Quantification of Galacturonic Acid Oligomers with a Degree of Polymerization Greater than 50. <b>2005</b> , 28, 559-570	8
1406	The Value of Genome Sequences in the Rapid Identification of Novel Genes Encoding Specific Plant Cell Wall Degrading Enzymes. <b>2005</b> , 6, 157-187	21
1405	Endocytic Uptake of Nutrients, Cell Wall Molecules and Fluidized Cell Wall Portions into Heterotrophic Plant Cells. 19-35	1
1404	Pectin methylesterases and pectin dynamics in pollen tubes. <b>2005</b> , 17, 3219-26	259
1403	Wall-associated kinase WAK1 interacts with cell wall pectins in a calcium-induced conformation. <b>2005</b> , 46, 268-78	231
1402	Selection on Glycine beta-1,3-endoglucanase genes differentially inhibited by a Phytophthora glucanase inhibitor protein. <b>2005</b> , 169, 1009-19	43
1401	Lygodium japonicum fern accumulates copper in the cell wall pectin. <b>2005</b> , 56, 1923-31	48
1400	Widespread occurrence of a covalent linkage between xyloglucan and acidic polysaccharides in suspension-cultured angiosperm cells. <b>2005</b> , 96, 91-9	105
1399	Evidence for in vitro binding of pectin side chains to cellulose. <b>2005</b> , 139, 397-407	278



1398	Structural basis for the interaction between pectin methylesterase and a specific inhibitor protein. <b>2005</b> , 17, 849-58	176
1397	Synthesis of the branched-chain sugar aceric acid: a unique component of the pectic polysaccharide rhamnogalacturonan-II. <b>2005</b> , 70, 8556-9	22
1396	The pattern of distribution of pectin, peroxidase and lignin in the middle lamella of secondary xylem fibres in alfalfa ( <i>Medicago sativa</i> ). <b>2005</b> , 95, 863-8	48
1395	Elucidation of the emulsification properties of sugar beet pectin. <b>2005</b> , 53, 3592-7	150
1394	In vitro determination of prebiotic properties of oligosaccharides derived from an orange juice manufacturing by-product stream. <b>2005</b> , 71, 8383-9	154
1393	Synthesis of a 2,3,4-triglycosylated rhamnoside fragment of rhamnogalacturonan-II side chain A using a late stage oxidation approach. <b>2005</b> , 70, 960-6	35
1392	Plant synapses: actin-based domains for cell-to-cell communication. <b>2005</b> , 10, 106-11	148
1391	A review of new advances in mechanism of graft compatibility/compatibility. <b>2005</b> , 106, 1-11	135
1390	Boronated saccharides: potential applications. <b>2005</b> , 391-494	2
1389	Changing spaces: the <i>Arabidopsis</i> mucilage secretory cells as a novel system to dissect cell wall production in differentiating cells This review is one of a selection of papers published in the Special Issue on Plant Cell Biology.. <b>2006</b> , 84, 622-630	23
1388	On the simulation of enzymatic digest patterns: the fragmentation of oligomeric and polymeric galacturonides by endo-polygalacturonase II. <b>2006</b> , 1760, 1696-703	13
1387	Endocytosis of cell surface material mediates cell plate formation during plant cytokinesis. <b>2006</b> , 10, 137-50	226
1386	Mode of de-esterification of alkaline and acidic pectin methyl esterases at different pH conditions. <b>2006</b> , 54, 7825-31	43
1385	Polysaccharide compositions of leaf cell walls of forage chicory ( <i>Cichorium intybus</i> L.). <b>2006</b> , 170, 18-27	10
1384	Structural changes of homogalacturonan, rhamnogalacturonan I and arabinogalactan protein in xylem cell walls of tomato genotypes in reaction to <i>Ralstonia solanacearum</i> . <b>2006</b> , 68, 41-50	31
1383	Pectin: new insights into an old polymer are starting to gel. <b>2006</b> , 17, 97-104	595
1382	Polygalacturonase inhibiting proteins: players in plant innate immunity?. <b>2006</b> , 11, 65-70	122
1381	CELLULAR VIABILITY AND PECTIN LOCALISATION IN APRICOT ( <i>P. ARMENIACA</i> )/PLUM COMBINATIONS RELATED TO GRAFT RESPONSE. <b>2006</b> , 185-188	

1380	. 2006,	10
1379	Response from Selection for Pectin Concentration and Indirect Response in Digestibility of Alfalfa. <b>2006</b> , 46, 1081-1087	8
1378	Arabidopsis thaliana RGXT1 and RGXT2 encode Golgi-localized (1,3)-alpha-D-xylosyltransferases involved in the synthesis of pectic rhamnogalacturonan-II. <b>2006</b> , 18, 2593-607	106
1377	The effect of modified citrus pectin on urinary excretion of toxic elements. <b>2006</b> , 20, 859-64	51
1376	Ion-mediated increase in the hydraulic conductivity of Laurel stems: role of pits and consequences for the impact of cavitation on water transport. <b>2006</b> , 29, 1946-55	61
1375	Microstructure changes of sodium carbonate-soluble pectin of peach by AFM during controlled atmosphere storage. <b>2006</b> , 94, 179-192	37
1374	Image study of pectin extraction from orange skin assisted by microwave. <b>2006</b> , 64, 548-552	73
1373	Changes in esterified pectins during development in the flax stems and leaves. <b>2006</b> , 65, 165-173	19
1372	Dimeric calcium complexes of arabinan-rich pectic polysaccharides from <i>Olea europaea</i> L. cell walls. <b>2006</b> , 65, 535-543	24
1371	Preparation of UDP-galacturonic acid using UDP-sugar pyrophosphorylase. <b>2006</b> , 352, 182-7	28
1370	Detection of uronic oxidase activity in ripening peaches. <i>Phytochemistry</i> , <b>2006</b> , 67, 13-8	4 6
1369	Polysaccharide composition of the fruit juice of <i>Morinda citrifolia</i> (Noni). <i>Phytochemistry</i> , <b>2006</b> , 67, 1271-5	49
1368	Use of a Plackett-Burman experimental design to examine the impact of extraction parameters on yields and compositions of pectins extracted from chicory roots ( <i>Chicorium intybus</i> L.). <b>2006</b> , 54, 7167-74	22
1367	Cloning of polygalacturonase inhibitor protein genes from <i>Solanum brevidens</i> Fill.. <b>2006</b> , 42, 376-384	1
1366	The mercury binding activity of pectin isolated from the seagrass <i>Zostera marina</i> . <b>2006</b> , 32, 312-315	4
1365	Pectin in controlled drug delivery [a review]. <b>2006</b> , 14, 15-24	168
1364	Effect of pectin substances on contractile activity of the uterine myometrium in rats. <b>2006</b> , 141, 430-2	1
1363	Silencing of the tobacco pollen pectin methyltransferase NtPPME1 results in retarded in vivo pollen tube growth. <b>2006</b> , 223, 736-45	62

1362	Enzymatic fingerprinting of Arabidopsis pectic polysaccharides using polysaccharide analysis by carbohydrate gel electrophoresis (PACE). <b>2006</b> , 224, 163-74		26
1361	The characterization of the soybean polygalacturonase-inhibiting proteins (Pgip) gene family reveals that a single member is responsible for the activity detected in soybean tissues. <b>2006</b> , 224, 633-45		45
1360	Temporal and spatial appearance of wall polysaccharides during cellularization of barley ( <i>Hordeum vulgare</i> ) endosperm. <b>2006</b> , 224, 655-67		117
1359	Deficiency of adenosine kinase activity affects the degree of pectin methyl-esterification in cell walls of <i>Arabidopsis thaliana</i> . <b>2006</b> , 224, 1401-14		17
1358	An alpha-galactosidase with an essential function during leaf development. <b>2007</b> , 225, 311-20		36
1357	Organic substances in xylem sap delivered to above-ground organs by the roots. <b>2006</b> , 119, 179-87		56
1356	Involvement of inorganic elements in tissue reunion in the hypocotyl cortex of <i>Cucumis sativus</i> . <b>2006</b> , 119, 337-42		8
1355	Polygalacturonase-inhibiting protein (PGIP) in plant defence: a structural view. <i>Phytochemistry</i> , <b>2006</b> , 67, 528-33	4	75
1354	In vitro characterization of the homogalacturonan-binding domain of the wall-associated kinase WAK1 using site-directed mutagenesis. <i>Phytochemistry</i> , <b>2006</b> , 67, 1068-79	4	80
1353	Fractionation, solid-phase immobilization and chemical degradation of long pectin oligogalacturonides. Initial steps towards sequencing of oligosaccharides. <b>2006</b> , 341, 118-29		18
1352	Selective chemical depolymerization of rhamnogalacturonans. <b>2006</b> , 341, 474-84		33
1351	Suppression of endotoxin-induced proinflammatory responses by citrus pectin through blocking LPS signaling pathways. <b>2006</b> , 72, 1001-9		112
1350	Biosynthesis of plant cell wall polysaccharides - a complex process. <b>2006</b> , 9, 621-30		264
1349	Atomic force microscopy study of the ultrastructural changes of chelate-soluble pectin in peaches under controlled atmosphere storage. <b>2006</b> , 39, 75-83		43
1348	Scanning Probe Microscopy of Plant Cell Wall and Its Constituents. 95-112		1
1347	Breaking an impasse in pectin biosynthesis. <b>2006</b> , 103, 5639-40		27
1346	Purification, functional characterization, cloning, and identification of mutants of a seed-specific arabinan hydrolase in <i>Arabidopsis</i> . <b>2006</b> , 57, 2339-51		34
1345	Transcriptional analysis of calcium-dependent and calcium-independent signalling pathways induced by oligogalacturonides. <b>2006</b> , 57, 2847-65		95

1344	Identification of a mung bean arabinofuranosyltransferase that transfers arabinofuranosyl residues onto (1, 5)-linked alpha-L-arabino-oligosaccharides. <b>2006</b> , 141, 1098-105	33
1343	Calcium pectate chemistry controls growth rate of <i>Chara corallina</i> . <b>2006</b> , 57, 3989-4002	65
1342	ARABINAN DEFICIENT 1 is a putative arabinosyltransferase involved in biosynthesis of pectic arabinan in <i>Arabidopsis</i> . <b>2006</b> , 140, 49-58	210
1341	Polymorphism and modulation of cell wall esterase enzyme activities in the chicory root during the growing season. <b>2006</b> , 57, 81-9	18
1340	Polygalacturonase-inhibiting protein interacts with pectin through a binding site formed by four clustered residues of arginine and lysine. <b>2006</b> , 141, 557-64	77
1339	The <i>Arabidopsis</i> root hair cell wall formation mutant <i>lrx1</i> is suppressed by mutations in the <i>RHM1</i> gene encoding a UDP-L-rhamnose synthase. <b>2006</b> , 18, 1630-41	100
1338	Expression cloning of three <i>Rhizobium leguminosarum</i> lipopolysaccharide core galacturonosyltransferases. <b>2006</b> , 281, 12865-78	22
1337	Wall-associated kinase 1 (WAK1) is crosslinked in endomembranes, and transport to the cell surface requires correct cell-wall synthesis. <b>2006</b> , 119, 2282-90	45
1336	Functional identification of an <i>Arabidopsis</i> pectin biosynthetic homogalacturonan galacturonosyltransferase. <b>2006</b> , 103, 5236-41	198
1335	Production of Cellulase-Free Polygalacturonase Preparation by <i>Sclerotium rolfsii</i> for Bioscouring of Cotton. <b>2006</b> , 3, 19-38	3
1334	Biology of Inositols and Phosphoinositides. <b>2006</b> ,	20
1333	The <i>reb1-1</i> mutation of <i>Arabidopsis</i> . Effect on the structure and localization of galactose-containing cell wall polysaccharides. <b>2006</b> , 140, 1406-17	64
1332	Characterization of a thermostable endo-beta-1,4-D-galactanase from the hyperthermophile <i>Thermotoga maritima</i> . <b>2006</b> , 70, 538-41	13
1331	The gene responsible for borate cross-linking of pectin Rhamnogalacturonan-II is required for plant reproductive tissue development and fertilization. <b>2006</b> , 103, 16592-7	76
1330	Ion-mediated enhancement of xylem hydraulic conductivity is not always suppressed by the presence of Ca <sup>2+</sup> in the sap. <b>2007</b> , 58, 2609-15	60
1329	Tension required for pectate chemistry to control growth in <i>Chara corallina</i> . <b>2007</b> , 58, 4283-92	47
1328	The ectopically parting cells 1-2 ( <i>epc1-2</i> ) mutant exhibits an exaggerated response to abscisic acid. <b>2007</b> , 58, 1813-23	14
1327	Recovery and reuse of trimmings and pulps from fruit and vegetable processing. <b>2007</b> , 417-447	15

1326	Pepper beta-galactosidase 1 (PBG1) plays a significant role in fruit ripening in bell pepper ( <i>Capsicum annuum</i> ). <b>2007</b> , 71, 309-22	31
1325	Pectic Polysaccharides and Expanding Cell Walls. <b>2006</b> , 139-158	7
1324	Proteomics identification of differentially expressed proteins associated with pollen germination and tube growth reveals characteristics of germinated <i>Oryza sativa</i> pollen. <b>2007</b> , 6, 207-30	123
1323	Intercellular pectic protuberances in <i>Asplenium</i> : new data on their composition and origin. <b>2007</b> , 100, 1165-73	17
1322	Functional analysis of <i>Arabidopsis thaliana</i> RHM2/MUM4, a multidomain protein involved in UDP-D-glucose to UDP-L-rhamnose conversion. <b>2007</b> , 282, 5389-403	120
1321	Reduced content of homogalacturonan does not alter the ion-mediated increase in xylem hydraulic conductivity in tobacco. <b>2007</b> , 143, 1975-81	14
1320	Induction of a grapevine germin-like protein (VvGLP3) gene is closely linked to the site of <i>Erysiphe necator</i> infection: a possible role in defense?. <b>2007</b> , 20, 1112-25	77
1319	Study of the mode of action of a polygalacturonase from the phytopathogen <i>Burkholderia cepacia</i> . <b>2007</b> , 407, 207-17	6
1318	The Role of Polymer Cross-Linking in Intercellular Adhesion. 183-204	6
1317	Isolation, heterologous expression and characterization of an endo-polygalacturonase produced by the phytopathogen <i>Burkholderia cepacia</i> . <b>2007</b> , 54, 300-8	12
1316	Immunohistochemical changes in methyl-ester distribution of homogalacturonan and side chain composition of rhamnogalacturonan I as possible components of basal resistance in tomato inoculated with <i>Ralstonia solanacearum</i> . <b>2007</b> , 70, 13-24	16
1315	Low esterified pectin accelerates removal of lead ions in rats. <b>2007</b> , 27, 633-639	18
1314	Overexpression of citrus polygalacturonase-inhibiting protein in citrus black rot pathogen <i>Alternaria citri</i> . <b>2007</b> , 164, 527-35	6
1313	Fruit ripening phenomena--an overview. <b>2007</b> , 47, 1-19	448
1312	Degradation of Plant Cell Wall Polymers by Fungi. <b>2007</b> , 325-340	
1311	β-L-rhamnosidases: Old and New Insights. <b>2007</b> , 117-140	19
1310	Industrial Enzymes. <b>2007</b> ,	78
1309	Characterization of the <i>Erwinia chrysanthemi</i> Gan locus, involved in galactan catabolism. <b>2007</b> , 189, 7053-61	27

1308	Separation and Fractionation of Oligouronides by Shear-Enhanced Filtration. <b>2007</b> , 42, 349-361	10
1307	Extraction and Characterization of the Pectic Substances from Japanese Pepper ( <i>Zanthoxylum piperitum</i> DC.) Fruit. <b>2007</b> , 10, 505-513	6
1306	Pectin induces apoptosis in human prostate cancer cells: correlation of apoptotic function with pectin structure. <b>2007</b> , 17, 805-19	178
1305	Elicitor and resistance-inducing activities of beta-1,4 cellodextrins in grapevine, comparison with beta-1,3 glucans and alpha-1,4 oligogalacturonides. <b>2007</b> , 58, 1463-72	136
1304	Characterisation of Fiber Obtained from Pumpkin ( <i>cucumis moschata</i> duch.) Mesocarp Through Enzymatic Treatment. <b>2007</b> , 13, 141-151	27
1303	Cell Wall Polysaccharides: Composition and Structure. <b>2007</b> , 181-201	12
1302	Environmental and Microbial Relationships. <b>2007</b> ,	12
1301	Biomass Conversion. <b>2007</b> , 1449-1548	10
1300	Feedstock Crop Genetic Engineering for Alcohol Fuels. <b>2007</b> , 47, 2238-2248	39
1299	. <b>2007</b> ,	9
1298	Uronic Acids in Oligosaccharide Synthesis. <b>2007</b> , 2007, 3963-3976	69
1297	In vitro degradation of forage chicory ( <i>Cichorium intybus</i> L.) by endopoly- galacturonase. <b>2007</b> , 87, 2860-2867	2
1296	High-throughput microarray analysis of pectic polymers by enzymatic epitope deletion. <b>2007</b> , 70, 77-81	10
1295	Identification of the connecting linkage between homo- or xylogalacturonan and rhamnogalacturonan type I. <b>2007</b> , 70, 224-235	128
1294	Purification and mechanistic characterisation of two polygalacturonases from <i>Sclerotium rolfsii</i> . <b>2007</b> , 40, 1739-1747	31
1293	Hydrolysis of apple pectin by the coordinated activity of pectic enzymes. <b>2007</b> , 101, 1-9	41
1292	Influence of pectin properties and processing conditions on thermal pectin degradation. <b>2007</b> , 105, 555-563	119
1291	Photodegradation studies of novel biodegradable blends based on poly(ethylene oxide) and pectin. <b>2007</b> , 92, 2058-2069	38

1290	Crystal structure of the endopolygalacturonase from the phytopathogenic fungus <i>Colletotrichum lupini</i> and its interaction with polygalacturonase-inhibiting proteins. <b>2008</b> , 70, 294-9	37
1289	A permeable cuticle in <i>Arabidopsis</i> leads to a strong resistance to <i>Botrytis cinerea</i> . <b>2007</b> , 26, 2158-68	207
1288	Effect of components extracted from okara on the physicochemical properties of soymilk and tofu texture. <b>2007</b> , 72, C108-13	41
1287	High-throughput mapping of cell-wall polymers within and between plants using novel microarrays. <b>2007</b> , 50, 1118-28	241
1286	The TUMOROUS SHOOT DEVELOPMENT2 gene of <i>Arabidopsis</i> encoding a putative methyltransferase is required for cell adhesion and co-ordinated plant development. <b>2007</b> , 50, 735-50	89
1285	Disruption of ATCSLD5 results in reduced growth, reduced xylan and homogalacturonan synthase activity and altered xylan occurrence in <i>Arabidopsis</i> . <b>2007</b> , 52, 791-802	85
1284	Partial demethylation of oligogalacturonides by pectin methyl esterase 1 is required for eliciting defence responses in wild strawberry ( <i>Fragaria vesca</i> ). <b>2008</b> , 54, 43-55	116
1283	Abscisic acid deficiency leads to rapid activation of tomato defence responses upon infection with <i>Erwinia chrysanthemi</i> . <b>2008</b> , 9, 11-24	87
1282	Organ-specific, developmental, hormonal and stress regulation of expression of putative pectate lyase genes in <i>Arabidopsis</i> . <b>2007</b> , 174, 537-550	55
1281	Quantification of the degree of blockiness in pectins using <sup>1</sup> H NMR spectroscopy and chemometrics. <b>2007</b> , 21, 256-266	60
1280	Role of microbiological and physiological spoilage mechanisms during storage of minimally processed vegetables. <b>2007</b> , 44, 185-194	204
1279	Characterization of necrosis and ethylene-inducing proteins (NEP) in the basidiomycete <i>Moniliophthora perniciosa</i> , the causal agent of witches' broom in <i>Theobroma cacao</i> . <b>2007</b> , 111, 443-55	66
1278	Wax removal for accelerated cotton scouring with alkaline pectinase. <b>2007</b> , 2, 306-15	40
1277	Production of cell wall-degrading enzymes by a pH tolerant estuarine fungal isolate <i>Fusarium moniliforme</i> NCIM1276 in different culture conditions. <b>2007</b> , 23, 1169-1177	9
1276	Optimization of covalent immobilization of pectinase on sodium alginate support. <b>2007</b> , 29, 1413-6	39
1275	Chain elongation of pectic beta-(1-->4)-galactan by a partially purified galactosyltransferase from soybean ( <i>Glycine max</i> Merr.) hypocotyls. <b>2007</b> , 226, 571-9	10
1274	Galacturonic acid-induced changes in strawberry plant development in vitro. <b>2007</b> , 43, 639-643	4
1273	Synthesis of rhamnogalacturonan I fragments by a modular design principle. <b>2008</b> , 343, 1730-42	18

1272	Efficient purification of small unsaturated oligoglucuronides by reversed-phase chromatography. <b>2008</b> , 863, 266-72		2
1271	Evidence for a blockwise distribution of acetyl groups onto homogalacturonans from a commercial sugar beet ( <i>Beta vulgaris</i> ) pectin. <i>Phytochemistry</i> , <b>2008</b> , 69, 1903-9	4	26
1270	In vivo activity of recombinant human lewis fucosyltransferase III in leaves of <i>Nicotiana tabacum</i> L.. <b>2008</b> , 52, 267-274		3
1269	High-throughput screening of monoclonal antibodies against plant cell wall glycans by hierarchical clustering of their carbohydrate microarray binding profiles. <b>2008</b> , 25, 37-48		138
1268	Physicochemical properties and partial structural features of haw pectin. <b>2008</b> , 227, 1035-1041		17
1267	The block of intracellular calcium release affects the pollen tube development of <i>Picea wilsonii</i> by changing the deposition of cell wall components. <b>2008</b> , 233, 39-49		19
1266	Oligogalacturonides enhance cytokinin-induced vegetative shoot formation in tobacco explants, inhibit polyamine biosynthetic gene expression, and promote long-term remobilisation of cell calcium. <b>2008</b> , 227, 835-52		22
1265	Kinetics and mechanism of oxidation of apple pectin by CrVI in aqueous acid medium. <b>2008</b> , 21, 1059-1067		16
1264	Structural and chemical differences in the cell wall regions in relation to scale firmness of three onion ( <i>Allium cepa</i> L.) selections at harvest and during storage. <b>2008</b> , 88, 1277-1286		26
1263	Modulating in vitro bone cell and macrophage behavior by immobilized enzymatically tailored pectins. <b>2008</b> , 86, 597-606		30
1262	Purification of oligouronides by immobilized L-histidine pseudoaffinity chromatography. <b>2008</b> , 861, 181-5		12
1261	New monolithic enzymatic micro-reactor for the fast production and purification of oligogalacturonides. <b>2008</b> , 861, 203-8		28
1260	Pectin methylesterase and polygalacturonase in the developing grape skin. <b>2008</b> , 46, 638-646		74
1259	Separation of oligoglucuronans of low degrees of polymerization by using a high shear rotating disk filtration module. <b>2008</b> , 60, 22-29		24
1258	Fungal multienzyme production on industrial by-products of the citrus-processing industry. <b>2008</b> , 99, 2373-83		176
1257	Demethylation of a model homogalacturonan with the salt-independent pectin methylesterase from citrus: Part II. StructureFunction analysis. <b>2008</b> , 71, 300-309		58
1256	Demethylation of a model homogalacturonan with a salt-independent pectin methylesterase from citrus: I. Effect of pH on demethylated block size, block number and enzyme mode of action. <b>2008</b> , 71, 287-299		62
1255	Pectin acetylerases from <i>Aspergillus</i> are able to deacetylate homogalacturonan as well as rhamnogalacturonan. <b>2008</b> , 74, 411-418		33



1254	Modification of polygalacturonic acid hydroxyls with trimethylammonium- and/or sulfonate-2-hydroxypropyl group. <b>2008</b> , 74, 611-616	7
1253	Indirect approach to C-3 branched 1,2-cis-glycofuranosides: synthesis of aceric acid glycoside analogues. <b>2008</b> , 343, 211-20	23
1252	Isolation and structural characterization of a novel oligosaccharide from the rhamnogalacturonan of <i>Gossypium hirsutum</i> L. <b>2008</b> , 343, 1041-9	23
1251	Structural characterization of homogalacturonan by NMR spectroscopy-assignment of reference compounds. <b>2008</b> , 343, 2830-3	59
1250	Synthesis of beta-D-arabinofuranosides: stereochemical differentiation between D- and L-enantiomers. <b>2008</b> , 343, 3100-6	32
1249	Isolation and structural characterisation of pectin from endocarp of <i>Citrus depressa</i> . <b>2008</b> , 107, 352-361	103
1248	Firming of fruit tissues by vacuum-infusion of pectin methylesterase: Visualisation of enzyme action. <b>2008</b> , 109, 368-78	43
1247	Molecular flexibility of citrus pectins by combined sedimentation and viscosity analysis. <b>2008</b> , 22, 1435-1442	72
1246	Effect of pectate lyase bioscouring on physical, chemical and low-stress mechanical properties of cotton fabrics. <b>2008</b> , 99, 8185-92	57
1245	Atomic force microscopy of tomato and sugar beet pectin molecules. <b>2008</b> , 71, 640-647	102
1244	Effect of high pressure/high temperature processing on cell wall pectic substances in relation to firmness of carrot tissue. <b>2008</b> , 107, 1225-1235	140
1243	Effect of variety and harvest date on pectin extracted from chicory roots ( <i>Cichorium intybus</i> L.). <b>2008</b> , 108, 1008-18	24
1242	Combined enzymatic and colorimetric method for determining the uronic acid and methylester content of pectin: Application to tomato products. <b>2008</b> , 110, 239-47	57
1241	Effect of extraction conditions on some physicochemical characteristics of pectins from <i>Amorpha</i> and <i>Mangifera</i> peels. <b>2008</b> , 22, 1345-1351	133
1240	Reduced number of homogalacturonan domains in pectins of an <i>Arabidopsis</i> mutant enhances the flexibility of the polymer. <b>2008</b> , 9, 1454-60	52
1239	Hemicelluloses: Major Sources, Properties and Applications. <b>2008</b> , 289-304	43
1238	Characterization of the secretome of suspension cultures of <i>Medicago</i> species reveals proteins important for defense and development. <b>2008</b> , 7, 4508-20	45
1237	Comparative biochemical and structural characterizations of fungal polygalacturonases. <b>2008</b> , 63, 1-19	87

1236	Investigation of enzymatic degradation of pectin polysaccharides under limiting conditions. <b>2008</b> , 73, 80-6	2
1235	Plant genetic engineering for biofuel production: towards affordable cellulosic ethanol. <b>2008</b> , 9, 433-43	411
1234	Effect of temperature and high pressure on the activity and mode of action of fungal pectin methyl esterase. <b>2006</b> , 22, 1313-20	24
1233	An experimental approach for removing caseins from bovine colostrum using anionic polysaccharides. <b>2008</b> , 61, 43-50	5
1232	A comparison of in vivo targeted gene expression during fungal colonization of DED-susceptible <i>Ulmus americana</i> . <b>2008</b> , 38, 104-112	14
1231	Pectin-like carbohydrates in the green alga <i>Micrasterias</i> characterized by cytochemical analysis and energy filtering TEM. <b>2008</b> , 231, 201-14	57
1230	Degradation of forage chicory by ruminal fibrolytic bacteria. <b>2008</b> , 105, 1286-97	13
1229	Calcium pectate chemistry causes growth to be stored in <i>Chara corallina</i> : a test of the pectate cycle. <b>2008</b> , 31, 1147-55	39
1228	Mixed-linkage (1-->3),(1-->4)-beta-D-glucan is not unique to the Poales and is an abundant component of <i>Equisetum arvense</i> cell walls. <b>2008</b> , 54, 510-21	133
1227	Sequential cell wall transformations in response to the induction of a pedicel abscission event in <i>Euphorbia pulcherrima</i> (poinsettia). <b>2008</b> , 54, 993-1003	35
1226	Pectin structure and biosynthesis. <b>2008</b> , 11, 266-77	1386
1225	Modified pectin-based carrier for gene delivery: cellular barriers in gene delivery course. <b>2008</b> , 130, 183-91	64
1224	Inactivation of polygalacturonase and pectate lyase produced by pH tolerant fungus <i>Fusarium moniliforme</i> NCIM 1276 in a liquid medium and in the host tissue. <b>2008</b> , 163, 51-62	10
1223	Long-sized oligogalacturonides inhibit, whereas spermidine enhances, xylogenesis in tobacco leaf explants. <b>2008</b> , 142, 518-524	2
1222	Chemistry and Molecular Organization of Plant Cell Walls. 61-93	45
1221	Assessment of cell wall porosity in <i>Arabidopsis thaliana</i> by NMR spectroscopy. <b>2008</b> , 42, 83-92	64
1220	Strangers in the matrix: plant cell walls and pathogen susceptibility. <b>2008</b> , 13, 610-7	155
1219	Isolation of de-exined pollen and cytological studies of the pollen intines of <i>Pinus bungeana</i> Zucc. Ex Endl. and <i>Picea wilsonii</i> Mast. <b>2008</b> , 203, 332-340	20

1218	Enzymatically-tailored pectins differentially influence the morphology, adhesion, cell cycle progression and survival of fibroblasts. <b>2008</b> , 1780, 995-1003	26
1217	Global switches and fine-tuning-ABA modulates plant pathogen defense. <b>2008</b> , 21, 709-19	313
1216	Cell Wall Polysaccharide Synthesis. 94-187	29
1215	Structural biology of pectin degradation by Enterobacteriaceae. <b>2008</b> , 72, 301-16, table of contents	106
1214	Functional analysis of the cellulose synthase-like genes CSLD1, CSLD2, and CSLD4 in tip-growing Arabidopsis cells. <b>2008</b> , 148, 1238-53	110
1213	Genome-scale genotype-phenotype matching of two Lactococcus lactis isolates from plants identifies mechanisms of adaptation to the plant niche. <b>2008</b> , 74, 424-36	96
1212	Hydrogenomics of the extremely thermophilic bacterium Caldicellulosiruptor saccharolyticus. <b>2008</b> , 74, 6720-9	132
1211	Stamen abscission zone transcriptome profiling reveals new candidates for abscission control: enhanced retention of floral organs in transgenic plants overexpressing Arabidopsis ZINC FINGER PROTEIN2. <b>2008</b> , 146, 1305-21	152
1210	The Distribution of un-esterified and Methyl-Esterified Pectic Polysaccharides in Pinus Radiata. <b>2008</b> , 29, 115-127	8
1209	The glycerophosphoryl diester phosphodiesterase-like proteins SHV3 and its homologs play important roles in cell wall organization. <b>2008</b> , 49, 1522-35	68
1208	Transgenic expression of a fungal endo-polygalacturonase increases plant resistance to pathogens and reduces auxin sensitivity. <b>2008</b> , 146, 669-81	93
1207	Conformation, dynamics and ion-binding properties of single-chain polyuronates: a molecular dynamics study. <b>2008</b> , 34, 421-446	29
1206	Polysaccharides as carriers of bioactive agents for medical applications. <b>2008</b> , 3-53	11
1205	Food-Related Carbohydrate Ligands for Galectins. 235-270	
1204	Egg box conformation of oligogalacturonides: the time-dependent stabilization of the elicitor-active conformation increases its biological activity. <b>2008</b> , 18, 473-82	86
1203	The Arabidopsis MUM2 gene encodes a beta-galactosidase required for the production of seed coat mucilage with correct hydration properties. <b>2007</b> , 19, 4007-21	119
1202	Xylem embolism alleviated by ion-mediated increase in hydraulic conductivity of functional xylem: insights from field measurements. <b>2008</b> , 28, 1505-12	43
1201	The modified flavonol glycosylation profile in the Arabidopsis rol1 mutants results in alterations in plant growth and cell shape formation. <b>2008</b> , 20, 1470-81	80

1200	Jasmonate-induced transcriptional changes suggest a negative interference with the ripening syndrome in peach fruit. <b>2008</b> , 59, 563-73	84
1199	Intervessel pit structure and histochemistry of two mangrove species as revealed by cellular UV microspectrophotometry and electron microscopy: intraspecific variation and functional significance. <b>2008</b> , 14, 387-97	15
1198	Galactinol is a signaling component of the induced systemic resistance caused by <i>Pseudomonas chlororaphis</i> O6 root colonization. <b>2008</b> , 21, 1643-53	99
1197	Functional characterization of a gene family encoding Polygalacturonases in <i>Phytophthora parasitica</i> . <b>2008</b> , 21, 480-9	27
1196	The expression of a bean PGIP in transgenic wheat confers increased resistance to the fungal pathogen <i>Bipolaris sorokiniana</i> . <b>2008</b> , 21, 171-7	69
1195	Comparison of Pectins from the Alcohol-insoluble Residue of Japanese Pepper ( <i>Zanthoxylum piperitum</i> DC.) Fruit, a Major By-product of Antioxidant Extraction. <b>2008</b> , 14, 18-24	1
1194	. <b>2008</b> ,	20
1193	ARABIDOPSIS DEHISCENCE ZONE POLYGALACTURONASE1 (ADPG1), ADPG2, and QUARTET2 are Polygalacturonases required for cell separation during reproductive development in Arabidopsis. <b>2009</b> , 21, 216-33	260
1192	Industrially Important Carbohydrate Degrading Enzymes from Yeasts: Pectinases, Chitinases, and $\alpha$ ,1,3-Glucanases. <b>2009</b> , 673-691	1
1191	Cell wall biosynthesis and the molecular mechanism of plant enlargement. <b>2009</b> , 36, 383-394	79
1190	AtBXL1 encodes a bifunctional beta-D-xylosidase/alpha-L-arabinofuranosidase required for pectic arabinan modification in Arabidopsis mucilage secretory cells. <b>2009</b> , 150, 1219-34	103
1189	Arabidopsis thaliana T-DNA mutants implicate GAUT genes in the biosynthesis of pectin and xylan in cell walls and seed testa. <b>2009</b> , 2, 1000-14	99
1188	Arabinogalactan endo-1,4-galactosidase: a putative plant cell wall-degrading enzyme of plant-parasitic nematodes. <b>2009</b> , 11, 739-747	28
1187	Exploring the ultrastructural localization and biosynthesis of beta(1,4)-galactan in <i>Pinus radiata</i> compression wood. <b>2009</b> , 150, 573-83	31
1186	Enzymes for the valorisation of fruit- and vegetable-based co-products. <b>2009</b> , 257-285	5
1185	The organization pattern of root border-like cells of Arabidopsis is dependent on cell wall homogalacturonan. <b>2009</b> , 150, 1411-21	77
1184	Thermal Stabilization of <i>Erwinia chrysanthemi</i> pectin methylesterase a for application in a sugar beet pulp biorefinery. <b>2009</b> , 75, 7343-9	12
1183	Monolith enzymatic microreactor at the frontier of glycomics toward a new route for the production of bioactive oligosaccharides. <b>2009</b> , 60, 97-105	33

1182	Development and evaluation of monoclonal antibodies as probes to assess the differences between two tomato pectin methylesterase isoenzymes. <b>2009</b> , 349, 18-27	11
1181	Interactions between cauliflower and Rhizoctonia anastomosis groups with different levels of aggressiveness. <b>2009</b> , 9, 95	20
1180	Pectins in Processed Fruits and Vegetables: Part II Structure-Function Relationships. <b>2009</b> , 8, 86-104	270
1179	Characteristics of enzymatically-deesterified pectin gels produced in the presence of monovalent ionic salts. <b>2009</b> , 23, 1926-1929	20
1178	Effect of sulfation on the physicochemical and biological properties of citrus pectins. <b>2009</b> , 23, 1980-1983	25
1177	Environmental conditions affect pectin solubilization in cherry tomato fruits grown in two experimental Mediterranean greenhouses. <b>2009</b> , 67, 320-327	11
1176	Metronidazole loaded pectin microspheres for colon targeting. <b>2009</b> , 98, 4229-36	54
1175	Release and characterization of single side chains of white cabbage pectin and their complement-fixing activity. <b>2009</b> , 53, 780-9	22
1174	Activity of an atypical Arabidopsis thaliana pectin methylesterase. <b>2009</b> , 229, 311-21	21
1173	Structural characterisation of the pectic polysaccharide rhamnogalacturonan II using an acidic fingerprinting methodology. <b>2009</b> , 230, 947-57	25
1172	Overexpression of a cytosol-localized rhamnose biosynthesis protein encoded by Arabidopsis RHM1 gene increases rhamnose content in cell wall. <b>2009</b> , 47, 86-93	24
1171	Inhibition of LPS-induced proinflammatory responses of J774.2 macrophages by immobilized enzymatically tailored pectins. <b>2009</b> , 5, 2618-22	7
1170	Structural characterization of cell wall polysaccharides from two plant species endemic to central Africa, Fleurya aestuans and Phragmenthera capitata. <b>2009</b> , 75, 104-109	14
1169	An extended set of monoclonal antibodies to pectic homogalacturonan. <b>2009</b> , 344, 1858-62	293
1168	The structure, function, and biosynthesis of plant cell wall pectic polysaccharides. <b>2009</b> , 344, 1879-900	1017
1167	Developmental consequences of the tumorous shoot development1 mutation, a novel allele of the cellulose-synthesizing KORRIGAN1 gene. <b>2009</b> , 71, 641-55	18
1166	Boron alleviates aluminum toxicity in pea (Pisum sativum). <b>2009</b> , 314, 87-98	46
1165	Pectin, a versatile polysaccharide present in plant cell walls. <b>2009</b> , 20, 263-275	647

1164	Simultaneous in vivo truncation of pectic side chains. <b>2009</b> , 18, 961-9	20
1163	D-galacturonic acid catabolism in microorganisms and its biotechnological relevance. <b>2009</b> , 82, 597-604	107
1162	High-throughput screening of <i>Erwinia chrysanthemi</i> pectin methylesterase variants using carbohydrate microarrays. <b>2009</b> , 9, 1861-8	12
1161	The N-terminal pro region mediates retention of unprocessed type-I PME in the Golgi apparatus. <b>2009</b> , 58, 361-75	87
1160	Developmental complexity of arabinan polysaccharides and their processing in plant cell walls. <b>2009</b> , 59, 413-25	111
1159	Pectin activation of MAP kinase and gene expression is WAK2 dependent. <b>2009</b> , 60, 974-82	135
1158	Rheological and high gelling properties of mango ( <i>Mangifera indica</i> ) and ambarella ( <i>Spondias cytherea</i> ) peel pectins. <b>2009</b> , 44, 1809-1817	15
1157	A Pectinase-deficient <i>Ralstonia solanacearum</i> Strain Induces Reduced and Delayed Structural Defences in Tomato Xylem. <b>2009</b> , 157, 228-234	16
1156	Gelation of high methoxy pectin by acidification with d-glucono- $\delta$ -lactone (GDL) at room temperature. <b>2009</b> , 75, 269-281	13
1155	Chemical evidence for intrinsic 'Si' within Equisetum cell walls. <i>Phytochemistry</i> , <b>2009</b> , 70, 2089-95	4 40
1154	Oligo and polyuronic acids interactions with hypervalent chromium. <b>2009</b> , 28, 2719-2729	12
1153	Effect of high-pressure/high-temperature processing on chemical pectin conversions in relation to fruit and vegetable texture. <b>2009</b> , 115, 207-213	73
1152	Mass spectrometry for pectin structure analysis. <b>2009</b> , 344, 1798-807	44
1151	Gelation of high-methoxy pectin by enzymic de-esterification in the presence of calcium ions: a preliminary evaluation. <b>2009</b> , 344, 1818-23	28
1150	Fingerprinting complex pectins by chromatographic separation combined with ELISA detection. <b>2009</b> , 344, 1808-17	13
1149	Quantification of blockiness in pectins-A comparative study using vibrational spectroscopy and chemometrics. <b>2009</b> , 344, 1833-41	24
1148	[Current information about pectin substances]. <b>2009</b> , 35, 293-310	105
1147	Assessment of the Production of Oligomeric Compounds from Sugar Beet Pulp. <b>2009</b> , 48, 4681-4687	49

1146	Size exclusion chromatography to gain insight into the complex formation of carrot pectin methylesterase and its inhibitor from kiwi fruit as influenced by thermal and high-pressure processing. <b>2009</b> , 57, 11218-25	7
1145	Plant cell walls: Protecting the barrier from degradation by microbial enzymes. <b>2009</b> , 20, 1064-73	90
1144	Oligosaccharides from land plants and algae: production and applications in therapeutics and biotechnology. <b>2009</b> , 12, 261-73	126
1143	Signaling and Cell Walls. <b>2009</b> , 173-193	3
1142	Polymeric plant-derived excipients in drug delivery. <b>2009</b> , 14, 2602-20	184
1141	Recognition of galactan components of pectin by galectin-3. <b>2009</b> , 23, 415-24	124
1140	Carbohydrates. 485-508	
1139	Oligosaccharide Signalling Molecules. <b>2009</b> , 349-359	3
1138	Nutritional Quality of Fruits and Vegetables. <b>2009</b> , 57-106	37
1137	Pectinolytic Enzymes. <b>2009</b> , 383-396	6
1136	Structure analysis of an acidic polysaccharide isolated from green tea. <b>2009</b> , 23, 678-87	22
1135	Biotechnology for Agro-Industrial Residues Utilisation. <b>2009</b> ,	86
1134	Signaling in Plants. <b>2009</b> ,	1
1133	Cell-wall Polysaccharides of Potatoes. <b>2009</b> , 63-81	7
1132	Homogalacturonan methyl-esterification and plant development. <b>2009</b> , 2, 851-60	287
1131	The ThPG1 endopolygalacturonase is required for the trichoderma harzianum-plant beneficial interaction. <b>2009</b> , 22, 1021-31	130
1130	Acidic polysaccharides from Psidium cattleianum (Araçá) <b>2009</b> , 52, 259-264	11
1129	The carbohydrate-binding domain on galectin-1 is more extensive for a complex glycan than for simple saccharides: implications for galectin-glycan interactions at the cell surface. <b>2009</b> , 421, 211-21	46

1128	Mal Secco Disease Caused by <i>Phoma tracheiphila</i> : A Potential Threat to Lemon Production Worldwide. <b>2009</b> , 93, 852-867	34
1127	Use of Edible Coatings for Fresh-Cut Fruits and Vegetables. <b>2010</b> , 285-311	2
1126	Functional characterization of pectin methylesterase inhibitor (PMEI) in wheat. <b>2010</b> , 85, 97-106	44
1125	Distinct defenses induced in wheat against powdery mildew by acetylated and nonacetylated oligogalacturonides. <b>2010</b> , 100, 1352-63	36
1124	The antitumor properties of nonstarch polysaccharides: Carrageenans, alginates, and pectins. <b>2010</b> , 36, 401-412	12
1123	An overview on the application of ultrasound in extraction, separation and purification of plant polysaccharides. <b>2010</b> , 8, 243-257	38
1122	Chemical evaluation of <i>Fallopia</i> species leaves and antioxidant properties of their non-cellulosic polysaccharides. <b>2010</b> , 64,	18
1121	Plant Immunity Induced by Oligogalacturonides Alters Root Growth in a Process Involving Flavonoid Accumulation in <i>Arabidopsis thaliana</i> . <b>2010</b> , 29, 441-454	13
1120	Synthesis, characterization, and in vitro and in vivo evaluation of a novel pectin-adriamycin conjugate. <b>2010</b> , 18, 1599-609	16
1119	Structural features of pectic polysaccharide from <i>Angelica sinensis</i> (Oliv.) Diels. <b>2010</b> , 80, 544-550	40
1118	Structural characterization of the uncommon polysaccharides obtained from <i>Peltigera canina</i> photobiont <i>Nostoc muscorum</i> . <b>2010</b> , 81, 29-34	19
1117	Branched arabinan obtained from sugar beet pulp by quaternization under acidic conditions. <b>2010</b> , 82, 815-821	10
1116	Physical characterisation of the rhamnogalacturonan and homogalacturonan fractions of sugar beet ( <i>Beta vulgaris</i> ) pectin. <b>2010</b> , 82, 1161-1167	79
1115	Conformational properties of glucose-based disaccharides investigated using molecular dynamics simulations with local elevation umbrella sampling. <b>2010</b> , 345, 1781-801	111
1114	Pectin methylesterase and its proteinaceous inhibitor: a review. <b>2010</b> , 345, 2583-95	193
1113	Monoclonal antibodies to rhamnogalacturonan I backbone. <b>2010</b> , 231, 1373-83	94
1112	Sensitivity of stem and petiole hydraulic conductance of deciduous trees to xylem sap ion concentration. <b>2010</b> , 54, 299-307	22
1111	Turning polysaccharides into hydrophobic materials: a critical review. Part 2. Hemicelluloses, chitin/chitosan, starch, pectin and alginates. <b>2010</b> , 17, 1045-1065	118



1110	Cellular approach to understand bitter pit development in apple fruit. <b>2010</b> , 57, 6-13	74
1109	Analysis of promoter activity of members of the PECTATE LYASE-LIKE (PLL) gene family in cell separation in Arabidopsis. <b>2010</b> , 10, 152	54
1108	Thermal analysis of $\beta$ -lactoglobulin complexes with pectins or carrageenan for production of stable biopolymer particles. <b>2010</b> , 24, 239-248	102
1107	Effect of gellan, alone and in combination with high-methoxy pectin, on the structure and stability of doogh, a yogurt-based Iranian drink. <b>2010</b> , 24, 744-754	62
1106	Inhibition by pectic oligosaccharides of the invasion of undifferentiated and differentiated Caco-2 cells by <i>Campylobacter jejuni</i> . <b>2010</b> , 137, 181-5	47
1105	Functional Biopolymer Particles: Design, Fabrication, and Applications. <b>2010</b> , 9, 374-397	188
1104	Characterization of a pectic polysaccharide from the leaves of <i>Diospyros kaki</i> and its modulating activity on lymphocyte proliferation. <b>2010</b> , 93, 649-56	16
1103	The effect of different storage temperatures on the physical properties of pectin solutions and gels. <b>2010</b> , 95, 2670-2673	16
1102	Plant pectin methylesterase and its inhibitor from kiwi fruit: Interaction analysis by surface plasmon resonance. <b>2010</b> , 121, 207-214	19
1101	Isolation and characterisation of pectic substances from murta ( <i>Ugni molinae</i> Turcz) fruits. <b>2010</b> , 123, 669-678	66
1100	Extraction of pectins with different degrees of esterification from mulberry branch bark. <b>2010</b> , 101, 3268-73	128
1099	Significant enhancement of oleanolic acid accumulation by biotic elicitors in cell suspension cultures of <i>Calendula officinalis</i> L.. <b>2010</b> , 46, 14-20	78
1098	Air plasma or UV-irradiation applied to surface modification of pectin/poly(vinyl alcohol) blends. <b>2010</b> , 257, 325-331	33
1097	Kinetic assessment on the autohydrolysis of pectin-rich by-products. <b>2010</b> , 162, 480-486	27
1096	Rheological behavior of a pectic fraction from the pulp of cupuassu ( <i>Theobroma grandiflorum</i> ). <b>2010</b> , 79, 312-317	18
1095	Rhamnogalacturonan I domains from ginseng pectin. <b>2010</b> , 79, 811-817	70
1094	Determination of galacturonic acid from pomelo pectin in term of galactose by HPAEC with fluorescence detection. <b>2010</b> , 81, 461-465	35
1093	Kinetics and mechanism of disproportionation of $Mn(VI)O_4^{2-}$ induced by decomposition of intramanganato-polygalacturonate methyl ester coordination polymer precursor: Medium-substituent effects on reactivity. <b>2010</b> , 82, 880-886	4

1092	Branched arabino-oligosaccharides isolated from sugar beet arabinan. <b>2010</b> , 345, 1180-9	84
1091	Partial depolymerization of pectin by a photochemical reaction. <b>2010</b> , 345, 1205-10	29
1090	Expression profiling and cross-species RNA interference (RNAi) of desiccation-induced transcripts in the anhydrobiotic nematode <i>Aphelenchus avenae</i> . <b>2010</b> , 11, 6	32
1089	Antiproliferative and proapoptotic actions of okra pectin on B16F10 melanoma cells. <b>2010</b> , 24, 982-9	51
1088	The mechanics behind plant development. <b>2010</b> , 185, 369-85	144
1087	<i>Arabidopsis</i> exocyst subunits SEC8 and EXO70A1 and exocyst interactor ROH1 are involved in the localized deposition of seed coat pectin. <b>2010</b> , 188, 615-25	93
1086	A role for pectin de-methylesterification in a developmentally regulated growth acceleration in dark-grown <i>Arabidopsis</i> hypocotyls. <b>2010</b> , 188, 726-39	119
1085	From sunlight to phytomass: on the potential efficiency of converting solar radiation to phyto-energy. <b>2010</b> , 188, 939-59	119
1084	Cobtorin target analysis reveals that pectin functions in the deposition of cellulose microfibrils in parallel with cortical microtubules. <b>2010</b> , 64, 657-67	59
1083	Heterogeneity in the chemistry, structure and function of plant cell walls. <b>2010</b> , 6, 724-32	398
1082	Characterization of the dry bean polygalacturonase-inhibiting protein (PGIP) gene family during <i>Sclerotinia sclerotiorum</i> (Sclerotiniaceae) infection. <b>2010</b> , 9, 994-1004	13
1081	The TOR pathway modulates the structure of cell walls in <i>Arabidopsis</i> . <b>2010</b> , 22, 1898-908	85
1080	A domain swap approach reveals a role of the plant wall-associated kinase 1 (WAK1) as a receptor of oligogalacturonides. <b>2010</b> , 107, 9452-7	470
1079	Comparative proteomics indicates that biosynthesis of pectic precursors is important for cotton fiber and <i>Arabidopsis</i> root hair elongation. <b>2010</b> , 9, 2019-33	133
1078	The signal network of ascorbate homeostasis. <b>2010</b> , 5, 570-2	1
1077	Cell wall-degrading enzymes enlarge the pore size of intervessel pit membranes in healthy and <i>Xylella fastidiosa</i> -infected grapevines. <b>2010</b> , 152, 1748-59	77
1076	How have plant cell walls evolved?. <b>2010</b> , 153, 366-72	99
1075	Engineering the cell wall by reducing de-methyl-esterified homogalacturonan improves saccharification of plant tissues for bioconversion. <b>2010</b> , 107, 616-21	167

1074	A comprehensive toolkit of plant cell wall glycan-directed monoclonal antibodies. <b>2010</b> , 153, 514-25	290
1073	Chitosan oligosaccharides modulate the supramolecular conformation and the biological activity of oligogalacturonides in Arabidopsis. <b>2010</b> , 20, 775-86	32
1072	Identification of an L-rhamnose synthetic pathway in two nucleocytoplasmic large DNA viruses. <b>2010</b> , 84, 8829-38	38
1071	A novel pectin material: extraction, characterization and gelling properties. <b>2010</b> , 11, 3686-95	67
1070	Plant cell walls: the skeleton of the plant world. <b>2010</b> , 37, 357	134
1069	The potential physiological implications of polygalacturonic acid-mediated production of superoxide. <b>2010</b> , 5, 1525-9	6
1068	PEPR2 is a second receptor for the Pep1 and Pep2 peptides and contributes to defense responses in Arabidopsis. <b>2010</b> , 22, 508-22	344
1067	Necrotroph attacks on plants: wanton destruction or covert extortion?. <b>2010</b> , 8, e0136	142
1066	Polysaccharide drug delivery systems based on pectin and chitosan. <b>2010</b> , 27, 257-84	137
1065	Interaction of alginate single-chain polyguluronate segments with mono- and divalent metal cations: a comparative molecular dynamics study. <b>2010</b> , 36, 778-795	24
1064	Abscisic acid deficiency causes changes in cuticle permeability and pectin composition that influence tomato resistance to Botrytis cinerea. <b>2010</b> , 154, 847-60	109
1063	Influence of boron on carrot cell wall structure and its resistance to fracture. <b>2010</b> , 58, 9181-9	9
1062	Structural and mechanistic classification of uronic acid-containing polysaccharide lyases. <b>2010</b> , 20, 1547-73	165
1061	Biosynthesis of pectin. <b>2010</b> , 153, 384-95	370
1060	Structural characterization of an arabinogalactan from Platycodon grandiflorum roots and antiangiogenic activity of its sulfated derivative. <b>2010</b> , 11, 2558-66	71
1059	Synthesis and solution-phase conformation of the RG-I fragment of the plant polysaccharide pectin reveals a modification-modulated assembly mechanism. <b>2010</b> , 132, 7238-9	24
1058	Chemical structure and immunoinhibitory activity of a pectic polysaccharide containing glucuronic acid from the leaves of Diospyros kaki. <b>2010</b> , 46, 465-70	20
1057	Hydrogen peroxide mediates the expression of ascorbate-related genes in response to methanol stimulation in Oncidium. <b>2010</b> , 167, 400-7	11

1056	Fine-tuning the properties of pectin-calcium gels by control of pectin fine structure, gel composition and environmental conditions. <b>2010</b> , 21, 219-228	154
1055	A pectin-methylesterase-inhibitor-based molecular probe for in situ detection of plant pectin methylesterase activity. <b>2010</b> , 58, 5449-56	12
1054	Enzymatic modification of a model homogalacturonan with the thermally tolerant pectin methylesterase from Citrus: 1. Nanostructural characterization, enzyme mode of action, and effect of pH. <b>2011</b> , 59, 2717-24	37
1053	Rhamnogalacturonan-I: A Structurally Puzzling and Functionally Versatile Polysaccharide from Plant Cell Walls and Mucilages. <b>2011</b> , 51, 391-413	102
1052	Callose deposition: a multifaceted plant defense response. <b>2011</b> , 24, 183-93	437
1051	The Plant Plasma Membrane. <b>2011</b> ,	8
1050	Viscoelastic properties of woody hemp core. <b>2011</b> , 65,	19
1049	Natural glycans and glycoconjugates as immunomodulating agents. <b>2011</b> , 28, 937-52	37
1048	Anti-homogalacturonan antibodies: A way to explore the effect of processing on pectin in fruits and vegetables?. <b>2011</b> , 44, 225-234	39
1047	Development of an immunological toolbox to detect endogenous and exogenous pectin methylesterase in plant-based food products. <b>2011</b> , 44, 931-939	3
1046	Towards a better understanding of the pectin structure-function relationship in broccoli during processing: Part I Macroscopic and molecular analyses. <b>2011</b> , 44, 1604-1612	40
1045	Towards a better understanding of the pectin structure-function relationship in broccoli during processing: Part II Analyses with anti-pectin antibodies. <b>2011</b> , 44, 2896-2906	34
1044	Viscometric study of pectin. Effect of temperature on the hydrodynamic properties. <b>2011</b> , 48, 286-91	33
1043	Warriors at the gate that never sleep: non-host resistance in plants. <b>2011</b> , 168, 2141-52	48
1042	Synthesis of apiose-containing oligosaccharide fragments of the plant cell wall: fragments of rhamnogalacturonan-II side chains A and B, and apiogalacturonan. <b>2011</b> , 9, 6670-84	14
1041	Biotechnology in Textiles An Opportunity of Saving Water. <b>2011</b> ,	
1040	Biosynthesis of food constituents: Saccharides. 2. Polysaccharides &ndash; a review. <b>2011</b> , 23, 173-183	5
1039	Modified citrus pectin reduces galectin-3 expression and disease severity in experimental acute kidney injury. <b>2011</b> , 6, e18683	105

1038	Molecular analysis of a family of Arabidopsis genes related to galacturonosyltransferases. <b>2011</b> , 155, 1791-805	48
1037	- Introduction. <b>2011</b> , 14-25	2
1036	The charophycean green algae provide insights into the early origins of plant cell walls. <b>2011</b> , 68, 201-11	172
1035	A polygalacturonase-inhibiting protein with a role in pea defence against the cyst nematode <i>Heterodera goettingiana</i> . <b>2011</b> , 12, 275-87	14
1034	Do quantitative vessel and pit characters account for ion-mediated changes in the hydraulic conductance of angiosperm xylem?. <b>2011</b> , 189, 218-28	60
1033	ABA signalling modulates the detection of the LM6 arabinan cell wall epitope at the surface of <i>Arabidopsis thaliana</i> seedling root apices. <b>2011</b> , 190, 618-26	18
1032	Identification of pectin methylesterase 3 as a basic pectin methylesterase isoform involved in adventitious rooting in <i>Arabidopsis thaliana</i> . <b>2011</b> , 192, 114-126	54
1031	Engineering plant resistance by constructing chimeric receptors that recognize damage-associated molecular patterns (DAMPs). <b>2011</b> , 585, 1521-8	69
1030	Suppressive effect of pectic polysaccharides from <i>Cucurbita pepo</i> L. var. <i>Styriaca</i> on citric acid-induced cough reflex in guinea pigs. <b>2011</b> , 82, 357-64	25
1029	Using AFM and force spectroscopy to determine pectin structure and (bio) functionality. <b>2011</b> , 25, 230-237	61
1028	Influence of calcium on pectin methylesterase behaviour in the presence of medium methylated pectins. <b>2011</b> , 86, 1657-1664	37
1027	A homogalacturonan from the radix of <i>Platycodon grandiflorum</i> and the anti-angiogenesis activity of poly-/oligogalacturonic acids derived therefrom. <b>2011</b> , 346, 1930-6	23
1026	Complexation of amidated pectin with poly(itaconic acid) as a polycarboxylic polymer model compound. <b>2011</b> , 346, 2463-8	14
1025	Oligogalacturonide-auxin antagonism does not require posttranscriptional gene silencing or stabilization of auxin response repressors in <i>Arabidopsis</i> . <b>2011</b> , 157, 1163-74	51
1024	Isolation of pectin-enriched products from red beet ( <i>Beta vulgaris</i> L. var. <i>conditiva</i> ) wastes: composition and functional properties. <b>2011</b> , 17, 517-27	15
1023	Pectin matrix as oral drug delivery vehicle for colon cancer treatment. <b>2011</b> , 12, 201-14	136
1022	Evolution and diversity of plant cell walls: from algae to flowering plants. <b>2011</b> , 62, 567-90	455
1021	Expression of a yeast polygalacturonase gene in <i>Arabidopsis thaliana</i> . <b>2011</b> , 55, 349-352	3

1020	Localisation pattern of homogalacturonan and arabinogalactan proteins in developing ovules of the gymnosperm plant <i>Larix decidua</i> Mill. <b>2011</b> , 24, 75-87	26
1019	Ginseng root water-extracted pectic polysaccharides originate from secretory cavities. <b>2011</b> , 234, 487-99	23
1018	Pectin localization in the Mediterranean orchid <i>Limodorum abortivum</i> reveals modulation of the plant interface in response to different mycorrhizal fungi. <b>2011</b> , 21, 97-104	16
1017	Roles of arabinogalactan proteins in cotyledon formation and cell wall deposition during embryo development of <i>Arabidopsis</i> . <b>2011</b> , 248, 551-63	21
1016	Fungal enzyme sets for plant polysaccharide degradation. <b>2011</b> , 91, 1477-92	398
1015	Chemical characterization of pectin from green tea ( <i>Camellia sinensis</i> ). <b>2011</b> , 83, 1232-1239	34
1014	Pectic polysaccharides from mature orange ( <i>Citrus sinensis</i> ) fruit albedo cell walls: Sequential extraction and chemical characterization. <b>2011</b> , 84, 484-494	44
1013	Pectic substances: From simple pectic polysaccharides to complex pectins – A new hypothetical model. <b>2011</b> , 86, 373-385	211
1012	The changes in pectin metabolism in flax infected with <i>Fusarium</i> . <b>2011</b> , 49, 862-72	22
1011	An Expressed Sequence Tag Analysis for the Fast-Growing Shoots of <i>Bambusa edulis</i> Murno. <b>2011</b> , 54, 402-408	4
1010	HC-Pro silencing suppressor significantly alters the gene expression profile in tobacco leaves and flowers. <b>2011</b> , 11, 68	54
1009	Pectin-derived oligosaccharides increase color and anthocyanin content in Flame Seedless grapes. <b>2011</b> , 91, 1928-30	13
1008	Dietary fibre and fibre-rich by-products of food processing: Characterisation, technological functionality and commercial applications: A review. <b>2011</b> , 124, 411-421	892
1007	Non-starch polysaccharides and their role in fish nutrition – A review. <b>2011</b> , 127, 1409-1426	228
1006	Isolation and characterization of model homogalacturonans of tailored methylesterification patterns. <b>2011</b> , 86, 1236-1243	27
1005	Helium/oxygen atmospheric pressure plasma jet treatment for hydrophilicity improvement of grey cotton knitted fabric. <b>2011</b> , 257, 7113-7118	36
1004	Demethylation of oligogalacturonides by FaPE1 in the fruits of the wild strawberry <i>Fragaria vesca</i> triggers metabolic and transcriptional changes associated with defence and development of the fruit. <b>2011</b> , 62, 2855-73	43
1003	More than just a vulnerable pipeline: xylem physiology in the light of ion-mediated regulation of plant water transport. <b>2011</b> , 62, 4701-18	117

1002	QUASIMODO 3 (QUA3) is a putative homogalacturonan methyltransferase regulating cell wall biosynthesis in Arabidopsis suspension-cultured cells. <b>2011</b> , 62, 5063-78	40
1001	The walls have ears: the role of plant CrRLK1Ls in sensing and transducing extracellular signals. <b>2011</b> , 62, 1581-91	114
1000	The Plasma Membrane and the Cell Wall. <b>2011</b> , 57-85	1
999	Global landscape of a co-expressed gene network in barley and its application to gene discovery in Triticeae crops. <b>2011</b> , 52, 785-803	55
998	Arabidopsis MPK3 and MPK6 play different roles in basal and oligogalacturonide- or flagellin-induced resistance against Botrytis cinerea. <b>2011</b> , 157, 804-14	176
997	The Arabidopsis transcription factor LUH/MUM1 is required for extrusion of seed coat mucilage. <b>2011</b> , 156, 491-502	56
996	Compositional Variation in the Polysaccharides of the Pseudobulb of Oncidium Gower Ramsey During Different Stages of Inflorescence Development. <b>2011</b> , 85-100	
995	Down-regulation of UDP-glucuronic acid biosynthesis leads to swollen plant cell walls and severe developmental defects associated with changes in pectic polysaccharides. <b>2011</b> , 286, 39982-92	83
994	Pectin Rhamnogalacturonan II: On the Small Stem with Four Branches in the Primary Cell Walls of Plants. <b>2011</b> , 2011, 1-11	24
993	Cellulose synthases and synthesis in Arabidopsis. <b>2011</b> , 4, 199-211	226
992	Polygalacturonase-inhibitor proteins in pearl millet: possible involvement in resistance against downy mildew. <b>2012</b> , 44, 415-23	16
991	The genomes of the fungal plant pathogens Cladosporium fulvum and Dothistroma septosporum reveal adaptation to different hosts and lifestyles but also signatures of common ancestry. <b>2012</b> , 8, e1003088	189
990	Acetyltransferase-mediated deacetylation of pectin impairs cell elongation, pollen germination, and plant reproduction. <b>2012</b> , 24, 50-65	103
989	Signaling role of oligogalacturonides derived during cell wall degradation. <b>2012</b> , 7, 1447-9	19
988	Pectate chemistry links cell expansion to wall deposition in Chara corallina. <b>2012</b> , 7, 1490-2	18
987	The hierarchical structure and mechanics of plant materials. <b>2012</b> , 9, 2749-66	639
986	Action of gibberellins on growth and metabolism of Arabidopsis plants associated with high concentration of carbon dioxide. <b>2012</b> , 160, 1781-94	33
985	Calcium deprivation disrupts enlargement of Chara corallina cells: further evidence for the calcium pectate cycle. <b>2012</b> , 63, 3953-8	34

984	Pectina: da matéria-prima ao produto final. <b>2012</b> , 22, 149-157	30
983	Structural basis for carbohydrate-binding specificity--a comparative assessment of two engineered carbohydrate-binding modules. <b>2012</b> , 22, 948-61	24
982	Tagaturonate-fructuronate epimerase UxaE, a novel enzyme in the hexuronate catabolic network in <i>Thermotoga maritima</i> . <b>2012</b> , 14, 2920-34	33
981	Enzymatic production of pectic oligosaccharides from polygalacturonic acid with commercial pectinase preparations. <b>2012</b> , 90, 588-596	58
980	Treatment of chenevotte, a co-product of industrial hemp fiber, by water or hydrochloric acid: impact on polymer mobility in the lignified cell walls. <b>2012</b> , 58, 493-504	4
979	Prediction and Process Optimization of Bioscouring of Organic Cotton Fabrics through Specific Mixed Enzymatic System using Artificial Neural Network (ANN). <b>2012</b> , 9, 1-22	4
978	Graft union formation and cell-to-cell communication via plasmodesmata in compatible and incompatible stem unions of <i>Prunus</i> spp.. <b>2012</b> , 143, 144-150	58
977	Pectin ─An emerging new bioactive food polysaccharide. <b>2012</b> , 24, 64-73	262
976	Demethylesterification of the primary wall by PECTIN METHYLESTERASE35 provides mechanical support to the <i>Arabidopsis</i> stem. <b>2012</b> , 24, 2624-34	123
975	Ligands of RLKs and RLPs Involved in Defense and Symbiosis. <b>2012</b> , 173-194	1
974	Natural elicitors, effectors and modulators of plant responses. <b>2012</b> , 29, 1288-303	92
973	Effects of exogenous auxin and ethylene on the <i>Arabidopsis</i> root proteome. <i>Phytochemistry</i> , <b>2012</b> , 84, 18-23	4 11
972	Degradation of different pectins by fungi: correlations and contrasts between the pectinolytic enzyme sets identified in genomes and the growth on pectins of different origin. <b>2012</b> , 13, 321	69
971	The cytological changes of tobacco zygote and proembryo cells induced by beta-glucosyl Yariv reagent suggest the involvement of arabinogalactan proteins in cell division and cell plate formation. <b>2012</b> , 12, 126	22
970	Oligogalacturonides: novel signaling molecules in <i>Rhizobium</i> -legume communications. <b>2012</b> , 25, 1387-95	15
969	Structural characteristics of pumpkin pectin extracted by microwave heating. <b>2012</b> , 77, C1169-73	26
968	Structural elucidation of rhamnogalacturonans from flaxseed hulls. <b>2012</b> , 362, 47-55	52
967	Recalcitrance of Lignocellulosic Biomass to Anaerobic Digestion. <b>2012</b> , 27-54	9



966	Bathochromic and stabilising effects of sugar beet pectin and an isolated pectic fraction on anthocyanins exhibiting pyrogallol and catechol moieties. <b>2012</b> , 135, 3010-9	35
965	Innovative enzymatic approach to resolve homogalacturonans based on their methylesterification pattern. <b>2012</b> , 13, 1615-24	40
964	The FRIABLE1 gene product affects cell adhesion in Arabidopsis. <b>2012</b> , 7, e42914	34
963	Mass spectrometry for characterizing plant cell wall polysaccharides. <b>2012</b> , 3, 45	34
962	Golgi-mediated synthesis and secretion of matrix polysaccharides of the primary cell wall of higher plants. <b>2012</b> , 3, 79	85
961	Dynamical patterning modules in plant development and evolution. <b>2012</b> , 56, 661-74	28
960	Plant Cell Wall Polymers: Function, Structure and Biological Activity of Their Derivatives. <b>2012</b> ,	34
959	Sugars and plant innate immunity. <b>2012</b> , 63, 3989-98	217
958	Growth control and cell wall signaling in plants. <b>2012</b> , 63, 381-407	401
957	Oligogalacturonides inhibit growth and induce changes in S6K phosphorylation in maize ( <i>Zea mays</i> L. var. ChalqueB). <b>2012</b> , 67, 151-159	10
956	Production, Purification of Exo-Polygalacturonase from Soil Isolate <i>Paecilomyces variotii</i> NFCCI 1769 and Its Application. <b>2012</b> , 52, 240-6	19
955	An alkaline-active and alkali-stable pectate lyase from <i>Streptomyces</i> sp. 'S27 with potential in textile industry. <b>2012</b> , 39, 909-15	16
954	Analysis of Herba Asari polysaccharides and their immunological activity. <b>2012</b> , 87, 551-556	10
953	Occurrence of cellobiose residues directly linked to galacturonic acid in pectic polysaccharides. <b>2012</b> , 87, 620-626	42
952	Structural details of pectic galactan from the secondary cell walls of flax ( <i>Linum usitatissimum</i> L.) phloem fibres. <b>2012</b> , 87, 853-861	48
951	A copolymer analysis approach to estimate the neutral sugar distribution of sugar beet pectin using size exclusion chromatography. <b>2012</b> , 87, 1139-1143	14
950	Structure elucidation of an immunoenhancing pectic polysaccharide isolated from aqueous extract of pods of green bean ( <i>Phaseolus vulgaris</i> L.). <b>2012</b> , 87, 2169-2175	42
949	Extraction of pectin from navel orange peel assisted by ultra-high pressure, microwave or traditional heating: A comparison. <b>2012</b> , 88, 441-448	165

- 948 Further analysis of the structure and immunological activity of an RG-I type pectin from *Panax ginseng*. **2012**, 89, 519-25 61
- 947 Structural characterisation of the polysaccharides from endemic Mongolian desert plants and their effect on the intestinal absorption of ovalbumin. **2012**, 356, 265-72 12
- 946 Coating of a lignocellulosic aggregate with pectin/polyethylenimin mixtures: Effects on flax shive and cement-shive composite properties. **2012**, 34, 223-230 23
- 945 Large-scale extraction of rhamnogalacturonan I from industrial potato waste. **2012**, 131, 1207-1216 34
- 944 Purification and characterization of a papaya (*Carica papaya* L.) pectin methylesterase isolated from a commercial papain preparation. **2012**, 133, 366-72 17
- 943 Structure of pectic polysaccharides isolated from onion *Allium cepa* L. using a simulated gastric medium and their effect on intestinal absorption. **2012**, 134, 1813-22 34
- 942 Effect of debranching on the rheological properties of Ca<sup>2+</sup>pectin gels. **2012**, 26, 44-53 42
- 941 Biocatalytic cross-linking of pectic polysaccharides for designed food functionality: Structures, mechanisms, and reactions. **2012**, 1, 207-219 9
- 940 Alteration of gene expression profile in maize infected with a double-stranded RNA fijivirus associated with symptom development. **2012**, 13, 251-62 37
- 939 An eco-friendly technology for polysaccharide production from logging and sawing waste. **2012**, 82, 955-962 3
- 938 Synthesis and anticoagulant activity of pectin sulfates. **2012**, 124, 2171-2178 19
- 937 An explorative study on the cell wall polysaccharides in the pulp and peel of dragon fruits (*Hylocereus* spp.). **2013**, 237, 341-351 16
- 936 Cellular boron allocation and pectin composition in two citrus rootstock seedlings differing in boron-deficiency response. **2013**, 370, 555-565 35
- 935 Introduction to the Major Classes of Bioactives Present in Fruit. **2013**, 1-18 3
- 934 Fibre in Fruit. **2013**, 19-33 1
- 933  $\beta$ Arabinofuranosylation using 5-O-(2-quinolinecarbonyl) substituted ethyl thioglycoside donors. **2013**, 15, 3974-7 66
- 932 Spatio-temporal distribution and methyl-esterification of pectic epitopes provide evidence of developmental regulation of pectins during somatic embryogenesis in *Arabidopsis thaliana*. **2013**, 57, 410-416 19
- 931 Apical F-actin-regulated exocytic targeting of NtPPME1 is essential for construction and rigidity of the pollen tube cell wall. **2013**, 76, 367-79 39

930	Determination of degree of methylation of food pectins by chromatography. <b>2013</b> , 93, 2463-9	7
929	Composition, properties and health benefits of indigestible carbohydrate polymers as dietary fiber: a review. <b>2013</b> , 61, 1-6	338
928	Fruits and Vegetables. <b>2013</b> , 49-126	9
927	Genome-wide identification of binding sites for NAC and YABBY transcription factors and co-regulated genes during soybean seedling development by ChIP-Seq and RNA-Seq. <b>2013</b> , 14, 477	43
926	Fibres from flax overproducing $\beta$ 1,3-glucanase show increased accumulation of pectin and phenolics and thus higher antioxidant capacity. <b>2013</b> , 13, 10	22
925	Synthesis of L-hexoses and their related biomolecules. <b>2013</b> , 49, 3275-87	32
924	Cloning and characterization of a putative UDP-rhamnose synthase 1 from <i>Populus euramericana</i> Guinier. <b>2013</b> , 56, 7-12	7
923	Spatial structure of plant cell wall polysaccharides and its functional significance. <b>2013</b> , 78, 836-53	25
922	Synthesis of N-( $\beta$ -D-glycuronopyranosyl)alkanamides and 1-( $\beta$ -D-glycuronopyranosyl)-4-phenyl-[1,2,3]-triazoles as N-glycoprotein linkage region analogs: examination of the effect of C5 substituent on the N-glycosidic torsion ( $\Phi$ ) based on X-ray crystallography. <b>2013</b> , 380, 1-8	5
921	Polygalacturonases from <i>Moniliophthora perniciosa</i> are regulated by fermentable carbon sources and possible post-translational modifications. <b>2013</b> , 60, 110-21	7
920	Postharvest UV-C irradiation inhibits the production of ethylene and the activity of cell wall-degrading enzymes during softening of tomato ( <i>Lycopersicon esculentum</i> L.) fruit. <b>2013</b> , 86, 337-345	113
919	Synthesis of oligosaccharide fragments of the rhamnogalacturonan of <i>Nerium indicum</i> . <b>2013</b> , 377, 63-74	12
918	Isomerisation of carrot $\beta$ carotene in presence of oil during thermal and combined thermal/high pressure processing. <b>2013</b> , 138, 1515-20	13
917	Ramie [ <i>Boehmeria nivea</i> (L.) Gaud.] as a potential new fibre crop for the Mediterranean region: Growth, crop yield and fibre quality in a long-term field experiment in Central Italy. <b>2013</b> , 51, 138-144	30
916	Acid Pre-treatment Technologies and SEM Analysis of Treated Grass Biomass in Biofuel Processing. <b>2013</b> , 97-118	3
915	Genome-wide characterization of the Pectate Lyase-like (PLL) genes in <i>Brassica rapa</i> . <b>2013</b> , 288, 601-14	12
914	Simple method for refining arabinan polysaccharides by alcohol extraction of the prune, <i>Prunus domestica</i> L. <b>2013</b> , 77, 2137-9	3
913	Antioxidant activity potential of Virginia (flue-cured) tobacco flower polysaccharide fractions obtained by ultrasound-assisted extraction. <b>2013</b> , 77, 2100-4	5

912	Characterisation of 3-aminoquinoline-derivatised isomeric oligogalacturonic acid by travelling-wave ion mobility mass spectrometry. <b>2013</b> , 27, 2279-85	4
911	Enhancement of the citrus immune system provides effective resistance against <i>Alternaria</i> brown spot disease. <b>2013</b> , 170, 146-54	32
910	Galectin-3 mediates aldosterone-induced vascular fibrosis. <b>2013</b> , 33, 67-75	255
909	Structure elucidation and immunological activity of a novel pectic polysaccharide from the stems of <i>Avicennia marina</i> . <b>2013</b> , 236, 243-248	15
908	Cellular localization and levels of pectins and arabinogalactan proteins in olive ( <i>Olea europaea</i> L.) pistil tissues during development: implications for pollen-pistil interaction. <b>2013</b> , 237, 305-19	30
907	Colon-specific delivery of 5-fluorouracil from zinc pectinate pellets through in situ intracapsular ethylcellulose-pectin plug formation. <b>2013</b> , 102, 604-16	29
906	Purification, characterization and immunomodulating activity of a pectic polysaccharide isolated from Korean mulberry fruit Oddi ( <i>Morus alba</i> L.). <b>2013</b> , 17, 858-66	98
905	Extraction and structural characterisation of rhamnogalacturonan I-type pectic polysaccharides from potato cell wall. <b>2013</b> , 139, 617-23	77
904	Galectin 3-β-galactobiose interactions. <b>2013</b> , 92, 529-33	13
903	Structural analysis of a pectic polysaccharide from boat-fruited <i>sterculia</i> seeds. <b>2013</b> , 56, 76-82	29
902	The constitutive production of pectinase by the CT1 mutant of <i>Penicillium occitanis</i> is modulated by pH. <b>2013</b> , 169, 215-27	9
901	Structural studies of the pectic polysaccharide from Siberian fir ( <i>Abies sibirica</i> Ledeb.). <b>2013</b> , 92, 1817-26	35
900	An efficient ligand- and copper-free Sonogashira reaction catalyzed by palladium nanoparticles supported on pectin. <b>2013</b> , 37, 9-13	26
899	A green approach for the synthesis of palladium nanoparticles supported on pectin: Application as a catalyst for solvent-free Mizoroki-Heck reaction. <b>2013</b> , 372, 160-166	66
898	Lignocellulose-Decomposing Bacteria and Their Enzyme Systems. <b>2013</b> , 215-266	23
897	Evolving views of pectin biosynthesis. <b>2013</b> , 64, 747-79	327
896	Degradation of complex carbohydrate: immobilization of pectinase from <i>Bacillus licheniformis</i> KIBGE-IB21 using calcium alginate as a support. <b>2013</b> , 139, 1081-6	107
895	Biopolymers from Plants. <b>2013</b> , 37-86	2

894	Influence of low methoxyl pectin gel textures and in vitro release of rutin from calcium pectinate beads. <b>2013</b> , 97, 335-42	28
893	Functional characterization of the galactan utilization system of <i>Geobacillus stearothermophilus</i> . <b>2013</b> , 280, 950-64	26
892	A systematic comparison of embryogenic and non-embryogenic cells of banana ( <i>Musa</i> spp. AAA): Ultrastructural, biochemical and cell wall component analyses. <b>2013</b> , 159, 178-185	6
891	The Role of Fungal Enzymes in Global Biofuel Production Technologies. <b>2013</b> , 121-143	3
890	The bioactivity of modified pectin fragments. <b>2013</b> , 1, 21-37	61
889	A <i>Fusarium graminearum</i> xylanase expressed during wheat infection is a necrotizing factor but is not essential for virulence. <b>2013</b> , 64, 1-10	49
888	Proteomics profiling reveals novel proteins and functions of the plant stigma exudate. <b>2013</b> , 64, 5695-705	32
887	Impact of cabbage pectin-protein complex on microbial $\beta$ -glucuronidase activity. <b>2013</b> , 61, 3054-8	4
886	Belowground neighbor perception in <i>Arabidopsis thaliana</i> studied by transcriptome analysis: roots of <i>Hieracium pilosella</i> cause biotic stress. <b>2013</b> , 4, 296	29
885	Towards a carbon-negative sustainable bio-based economy. <b>2013</b> , 4, 174	88
884	Roles of pectin in biomass yield and processing for biofuels. <b>2013</b> , 4, 67	85
883	Early local differentiation of the cell wall matrix defines the contact sites in lobed mesophyll cells of <i>Zea mays</i> . <b>2013</b> , 112, 1067-81	19
882	The range of dietary fibre ingredients and a comparison of their technical functionality. <b>2013</b> , 96-119	20
881	Comparative genomic and transcriptomic analyses reveal habitat differentiation and different transcriptional responses during pectin metabolism in <i>Alishewanella</i> species. <b>2013</b> , 79, 6351-61	10
880	Pollen Tubes With More Viscous Cell Walls Oscillate at Lower Frequencies. <b>2013</b> , 8, 25-34	11
879	Multi-scale spatial heterogeneity of pectic rhamnogalacturonan I (RG-I) structural features in tobacco seed endosperm cell walls. <b>2013</b> , 75, 1018-27	31
878	New acylated oligosaccharides from <i>Pistacia integerrima</i> . <b>2013</b> , 27, 2027-32	7
877	Involvement of the glutamate receptor <i>AtGLR3.3</i> in plant defense signaling and resistance to <i>Hyaloperonospora arabidopsidis</i> . <b>2013</b> , 76, 466-80	71

876	Galacturonosyltransferase 4 silencing alters pectin composition and carbon partitioning in tomato. <b>2013</b> , 64, 2449-66	23
875	Pectinases Produced by Microorganisms. <b>2013</b> ,	1
874	Experimental design applied to the optimization and partial characterization of pectin-methyl-esterase from a newly isolated <i>Penicillium brasilianum</i> . <b>2013</b> , 12, 5886-5896	1
873	Ecofriendly Approach to Improve Pectinolytic Reaction and Process Optimization of Bioscouring of Organic Cotton Textiles. <b>2013</b> , 8, 155892501300800	6
872	Increase in cellulose accumulation and improvement of saccharification by overexpression of arabinofuranosidase in rice. <b>2013</b> , 8, e78269	42
871	Anti-cancer activities of pH- or heat-modified pectin. <b>2013</b> , 4, 128	98
870	Pathogenicity of and plant immunity to soft rot pectobacteria. <b>2013</b> , 4, 191	80
869	Variation in the degree of pectin methylesterification during the development of <i>Baccharis dracunculifolia</i> kidney-shaped gall. <b>2014</b> , 9, e94588	21
868	The role of polysaccharides on the grape must ultrafiltration performance. <b>2014</b> , 29, 16-27	2
867	Plant Polygalacturonases Involved in Cell Elongation and Separation-The Same but Different?. <b>2014</b> , 3, 613-23	17
866	. <b>2014</b> ,	14
865	Molecular characterization of a thermophilic endo-polygalacturonase from <i>Thielavia arenaria</i> XZ7 with high catalytic efficiency and application potential in the food and feed industries. <b>2014</b> , 62, 12686-94	15
864	The Biosynthesis and Function of Polysaccharide Components of the Plant Cell Wall. <b>2014</b> , 1-34	1
863	Comparative analysis of the <i>Geobacillus</i> hemicellulose utilization locus reveals a highly variable target for improved hemicellulolysis. <b>2014</b> , 15, 836	28
862	Bioinformatic characterisation of genes encoding cell wall degrading enzymes in the <i>Phytophthora parasitica</i> genome. <b>2014</b> , 15, 785	57
861	A comprehensive transcriptome analysis of silique development and dehiscence in <i>Arabidopsis</i> and <i>Brassica</i> integrating genotypic, interspecies and developmental comparisons. <b>2014</b> , 5, 302-20	16
860	Evaluation of the Nanostructure of Pectin, Hemicellulose and Cellulose in the Cell Walls of Pears of Different Texture and Firmness. <b>2014</b> , 7, 3525-3535	67
859	Interaction of a dietary fiber (pectin) with gastrointestinal components (bile salts, calcium, and lipase): a calorimetry, electrophoresis, and turbidity study. <b>2014</b> , 62, 12620-30	56

858	Functional diversity of carbohydrate-active enzymes enabling a bacterium to ferment plant biomass. <b>2014</b> , 10, e1004773	45
857	Characterization of two homogalacturonan pectins with immunomodulatory activity from green tea. <b>2014</b> , 15, 9963-78	39
856	Uncovering plant-pathogen crosstalk through apoplastic proteomic studies. <b>2014</b> , 5, 249	86
855	Genotype, development and tissue-derived variation of cell-wall properties in the lignocellulosic energy crop Miscanthus. <b>2014</b> , 114, 1265-77	47
854	Escherichia coli common pilus (ECP) targets arabinosyl residues in plant cell walls to mediate adhesion to fresh produce plants. <b>2014</b> , 289, 34349-65	20
853	Oral calcium pectinate-insulin nanoparticles: influences of alginate, sodium chloride and Tween 80 on their blood glucose lowering performance. <b>2014</b> , 66, 646-57	9
852	A Review on the Relationships between Processing, Food Structure, and Rheological Properties of Plant-Tissue-Based Food Suspensions. <b>2014</b> , 13, 241-260	61
851	Characterization of citrus pectin samples extracted under different conditions: influence of acid type and pH of extraction. <b>2014</b> , 114, 1319-26	110
850	Aerobic synthesis of biocompatible copper nanoparticles: promising antibacterial agent and catalyst for nitroaromatic reduction and C-N cross coupling reaction. <b>2014</b> , 4, 15003-15006	32
849	Synthesis of all eight L-glycopyranosyl donors using C-H activation. <b>2014</b> , 53, 13889-93	24
848	Studies on the physico-chemical characteristics of collagen-pectin composites. <b>2014</b> , 4, 63840-63849	10
847	Does biopolymers composition in seeds contribute to the flax resistance against the Fusarium infection?. <b>2014</b> , 30, 992-1004	7
846	Physicochemical property of starch-pectin conjugates with resistance to enzymatic activity. <b>2014</b> , 94, 1505-12	3
845	Recovery and fine structure variability of RGII sub-domains in wine (Vitis vinifera Merlot). <b>2014</b> , 114, 1327-37	20
844	Identification and functional characterization of the distinct plant pectin esterases PAE8 and PAE9 and their deletion mutants. <b>2014</b> , 240, 1123-38	40
843	Production and Bioactivity of Pectic Oligosaccharides from Fruit and Vegetable Biomass. <b>2014</b> , 76-87	10
842	8 Degradation and Modification of Plant Biomass by Fungi. <b>2014</b> , 175-208	16
841	PAMP Signaling in Plant Innate Immunity. <b>2014</b> , 17-161	1

840	Pectic polysaccharides: structure and properties. <b>2014</b> , 63, 1901-1924	18
839	Structure of a Rhamnogalacturonan Fragment from Apple Pectin: Implications for Pectin Architecture. <b>2014</b> , 2014, 1-6	12
838	Emulsion stabilizing properties of pectins extracted by high hydrostatic pressure, high-speed shearing homogenization and traditional thermal methods: A comparative study. <b>2014</b> , 35, 217-225	66
837	Neutral sugar side chains of pectins limit interactions with procyanidins. <b>2014</b> , 99, 527-36	56
836	Pectin-modifying enzymes and pectin-derived materials: applications and impacts. <b>2014</b> , 98, 519-32	76
835	Patterns of cell elongation in the determination of the final shape in galls of <i>Baccharopelma dracunculifoliae</i> (Psyllidae) on <i>Baccharis dracunculifolia</i> DC (Asteraceae). <b>2014</b> , 251, 747-53	19
834	Fungal Genomics. <b>2014</b> ,	0
833	Production of rhamnolipid surfactant and its application in bioscouring of cotton fabric. <b>2014</b> , 391, 97-105	33
832	Structural characteristics of water-soluble polysaccharides from <i>Heracleum sosnowskyi</i> Manden. <b>2014</b> , 102, 521-8	28
831	Microbial BioEnergy: Hydrogen Production. <b>2014</b> ,	6
830	Various-sourced pectin and polyethylene oxide electrospun fibers. <b>2014</b> , 107, 110-8	31
829	Hot-water extracts from the inner bark of Norway spruce with immunomodulating activities. <b>2014</b> , 101, 699-704	36
828	Antioxidant activity of penta-oligogalacturonide, isolated from haw pectin, suppresses triglyceride synthesis in mice fed with a high-fat diet. <b>2014</b> , 145, 335-41	41
827	Properties of lysozyme/low methoxyl (LM) pectin complexes for antimicrobial edible food packaging. <b>2014</b> , 131, 18-25	77
826	Conjugates of Polygluronic and Polymannuronic Acids with 4-Aminoantipyrine. Determination Using $1\text{H}/^{13}\text{C}$ HSQC Spectra of Triad Units and Their Distribution in the Polysaccharide Chain. <b>2014</b> , 50, 220-224	
825	Pectic arabinan side chains are essential for pollen cell wall integrity during pollen development. <b>2014</b> , 12, 492-502	22
824	Floral colleters in Pleurothallidinae (Epidendroideae: Orchidaceae). <b>2014</b> , 101, 587-97	23
823	Recent development of chitosan-based polyelectrolyte complexes with natural polysaccharides for drug delivery. <b>2014</b> , 64, 353-67	514



822	Cloning, expression of <i>Aspergillus niger</i> JL-15 endo-polygalacturonase A gene in <i>Pichia pastoris</i> and oligo-galacturonates production. <b>2014</b> , 94, 53-9	15
821	Jasmonate-dependent modifications of the pectin matrix during potato development function as a defense mechanism targeted by <i>Dickeya dadantii</i> virulence factors. <b>2014</b> , 77, 418-29	17
820	Immobilization of pectin degrading enzyme from <i>Bacillus licheniformis</i> KIBGE IB-21 using agar-agar as a support. <b>2014</b> , 102, 622-6	67
819	Effects of ultrasound and/or heating on the extraction of pectin from grapefruit peel. <b>2014</b> , 126, 72-81	145
818	Sugar Signaling in Plant Growth and Development. <b>2014</b> , 93-116	4
817	Pectic Polysaccharides and Their Functional Properties. <b>2014</b> , 1-18	1
816	A $\beta$ -D-Galactosidase from <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> Bl-04 gives insight into sub-specificities of $\beta$ -galactoside catabolism within <i>Bifidobacterium</i> . <b>2014</b> , 94, 1024	26
815	Wheat Bran and Cadmium in Human Health. <b>2014</b> , 241-260	5
814	Plant cell wall-degrading enzymes and their secretion in plant-pathogenic fungi. <b>2014</b> , 52, 427-51	352
813	Homogalacturonan-modifying enzymes: structure, expression, and roles in plants. <b>2014</b> , 65, 5125-60	164
812	Horizontal gene transfer and functional diversification of plant cell wall degrading polygalacturonases: Key events in the evolution of herbivory in beetles. <b>2014</b> , 52, 33-50	80
811	Extraction and characterization of pectic polysaccharides from easy- and hard-to-cook common beans ( <i>Phaseolus vulgaris</i> ). <b>2014</b> , 64, 314-322	37
810	Mucoadhesive polymers in the design of nano-drug delivery systems for administration by non-parenteral routes: A review. <b>2014</b> , 39, 2030-2075	318
809	Structural studies of arabinan-rich pectic polysaccharides from <i>Abies sibirica</i> L. Biological activity of pectins of <i>A. sibirica</i> . <b>2014</b> , 113, 515-24	41
808	Evidence for land plant cell wall biosynthetic mechanisms in charophyte green algae. <b>2014</b> , 114, 1217-36	55
807	Morphometric and phytochemical characterization of chaura fruits ( <i>Gaultheria pumila</i> ): a native Chilean berry with commercial potential. <b>2014</b> , 47, 26	7
806	Production and characterization of in planta transiently produced polygalacturanase from <i>Aspergillus niger</i> and its fusions with hydrophobin or ELP tags. <b>2014</b> , 14, 59	18
805	Effects of chloride, thiocyanate and sulphate salts on $\beta$ -lactoglobulin-pectin associative complexes. <b>2014</b> , 49, 2391-2398	18

804	Simple and validated quantitative $^1\text{H}$ NMR method for the determination of methylation, acetylation, and feruloylation degree of pectin. <b>2014</b> , 62, 9081-7	50
803	Are the carboxyl groups of pectin polymers the only metal-binding sites in plant cell walls?. <b>2014</b> , 381, 25-34	22
802	Distinct substrate specificities of three glycoside hydrolase family 42 $\beta$ -galactosidases from <i>Bifidobacterium longum</i> subsp. <i>infantis</i> ATCC 15697. <b>2014</b> , 24, 208-16	31
801	Quantitative and structure analysis of pectin in tobacco by $^{13}\text{C}$ CP/MAS NMR spectroscopy. <b>2014</b> , 6, 6407-6413	18
800	Nutritional Quality of Fruits and Vegetables. <b>2014</b> , 69-122	17
799	Transforming large molecular weight pectin and chitosan into oral protein drug nanoparticulate carrier. <b>2014</b> , 84, 45-52	24
798	Understanding the molecular mechanism of anthocyanin binding to pectin. <b>2014</b> , 30, 8516-27	83
797	Isolation and structural characterisation of papaya peel pectin. <b>2014</b> , 55, 215-221	79
796	Cotton proteomics for deciphering the mechanism of environment stress response and fiber development. <b>2014</b> , 105, 74-84	25
795	Thermal and high pressure high temperature processes result in distinctly different pectin non-enzymatic conversions. <b>2014</b> , 39, 251-263	59
794	Novel composite films based on amidated pectin for cationic dye adsorption. <b>2014</b> , 116, 620-6	25
793	The endo-arabinanase BcAra1 is a novel host-specific virulence factor of the necrotic fungal phytopathogen <i>Botrytis cinerea</i> . <b>2014</b> , 27, 781-92	30
792	Transcriptome and exoproteome analysis of utilization of plant-derived biomass by <i>Myceliophthora thermophila</i> . <b>2014</b> , 72, 10-20	62
791	Plant Cell Wall and Chitin Degradation. <b>2014</b> , 396-413	4
790	Chicory Fructans in Nutrition and the Formulation of Foods Dedicated to Blood Glucose Disorder Management. <b>2014</b> , 278-319	
789	Dietary Fiber and Its Polyphenol Cotravelers in Healthy Eating: Seeking the Key Component in Apple Fruit. <b>2014</b> , 31-44	1
788	Mechanical Particle Fabrication Methods. <b>2014</b> , 150-175	1
787	Synthesis of All Eight L-Glycopyranosyl Donors Using $\text{C}^2\text{H}$ Activation. <b>2014</b> , 126, 14109-14113	3

786	Apyrase suppression raises extracellular ATP levels and induces gene expression and cell wall changes characteristic of stress responses. <b>2014</b> , 164, 2054-67	46
785	Seasonal changes in chlorine and methoxyl content of leaves of deciduous trees and their impact on release of chloromethane and methanol at elevated temperatures. <b>2015</b> , 12, 426	9
784	CGR2 and CGR3 have critical overlapping roles in pectin methylesterification and plant growth in <i>Arabidopsis thaliana</i> . <b>2015</b> , 82, 208-20	34
783	The Emulsifying and Emulsion-Stabilizing Properties of Pectin: A Review. <b>2015</b> , 14, 705-718	163
782	In vitro and in vivo effects of polysaccharides isolated from Korean persimmon vinegar on intestinal immunity. <b>2015</b> , 58, 867-876	10
781	Viscoelastic properties and textural characterisation of high methoxyl pectin of hawthorn ( <i>Crataegus pubescens</i> ) in a gelling system. <b>2015</b> , 50, 1484-1493	9
780	Ethylene production in <i>Botrytis cinerea</i> - and oligogalacturonide-induced immunity requires calcium-dependent protein kinases. <b>2015</b> , 84, 1073-86	58
779	Synthesis and Applications of Pectin-based Nanomaterials. <b>2015</b> , 12, 103-109	16
778	In vitro Binding Capacity of Wheat and Barley for Mn, Zn, Cu and Fe. <b>2015</b> , 9, 56-60	2
777	Diversity in $\beta$ galactosidase Specificities within <i>Bifidobacterium</i> : Towards an Understanding of $\beta$ Galactoside Metabolism in the Gut Niche. <b>2015</b> , 27, E9-E12	1
776	Establishing a Role for Bacterial Cellulose in Environmental Interactions: Lessons Learned from Diverse Biofilm-Producing Proteobacteria. <b>2015</b> , 6, 1282	63
775	Role of pectinolytic enzymes identified in <i>Clostridium thermocellum</i> cellulosome. <b>2015</b> , 10, e0116787	21
774	Natural Pectin Polysaccharides as Edible Coatings. <b>2015</b> , 5, 865-886	107
773	Isolation, Structural Characterization, and Valorization of Pectic Substances from Algerian Argan Tree Leaves ( <i>Argania spinosa</i> (L.) Skeels). <b>2015</b> , 2015, 1-7	1
772	A new versatile microarray-based method for high throughput screening of carbohydrate-active enzymes. <b>2015</b> , 290, 9020-36	42
771	Identification of ecotype-specific marker genes for categorization of beer-spoiling <i>Lactobacillus brevis</i> . <b>2015</b> , 51, 130-8	11
770	Microscopic evidence for Ca(2+) mediated pectin-pectin interactions in carrot-based suspensions. <b>2015</b> , 188, 126-36	13
769	Effect of storage conditions on pectic polysaccharides in common beans ( <i>Phaseolus vulgaris</i> ) in relation to the hard-to-cook defect. <b>2015</b> , 76, 105-113	35

768	Influence factors and gene expression patterns during MeJa-induced gummosis in peach. <b>2015</b> , 182, 49-61	12
767	Hexanoic acid provides long-lasting protection in Fortune mandarin against <i>Alternaria alternata</i> . <b>2015</b> , 91, 38-45	9
766	Structural and chemical characteristics of pectins, arabinogalactans, and arabinogalactan proteins from conifers. <b>2015</b> , 64, 1302-1318	13
765	Emission Timetable and Quantitative Patterns of Wound-Induced Volatiles Across Different Leaf Damage Treatments in Aspen ( <i>Populus Tremula</i> ). <b>2015</b> , 41, 1105-17	38
764	Functional diversity of rhamnogalacturonans I. <b>2015</b> , 64, 1014-1023	13
763	Interplays between the cell wall and phytohormones in interaction between plants and necrotrophic pathogens. <i>Phytochemistry</i> , <b>2015</b> , 112, 63-71	4 56
762	Antifungal activity of various essential oils against <i>Rhizoctonia solani</i> and <i>Macrophomina phaseolina</i> as major bean pathogens. <b>2015</b> , 118, 704-17	33
761	Effect of degradation methods on the structural properties of citrus pectin. <b>2015</b> , 61, 630-637	58
760	Characterization of natural low-methoxyl pectin from sunflower head extracted by sodium citrate and purified by ultrafiltration. <b>2015</b> , 180, 98-105	40
759	Biofunctionalized pectin hydrogels as 3D cellular microenvironments. <b>2015</b> , 3, 2096-2108	58
758	HIGHLY METHYL ESTERIFIED SEEDS is a pectin methyl esterase involved in embryo development. <b>2015</b> , 167, 725-37	37
757	The impact of rhamnogalacturonan-I side chain monosaccharides on the rheological properties of citrus pectin. <b>2015</b> , 47, 130-139	62
756	Pectin homogalacturonans: Nanostructural characterization of methylesterified domains. <b>2015</b> , 47, 184-190	19
755	Immunomodulatory properties of Trehala manna decoction and its isolated carbohydrate macromolecules. <b>2015</b> , 162, 121-6	20
754	Structural characterization of a rhamnogalacturonan I-arabinan-type I arabinogalactan macromolecule from starfruit ( <i>Averrhoa carambola</i> L.). <b>2015</b> , 121, 224-30	26
753	Spatial and temporal localization of homogalacturonans in <i>Hyacinthus orientalis</i> L. ovule cells before and after fertilization. <b>2015</b> , 34, 97-109	9
752	Extraction of pectin from passion fruit peel using moderate electric field and conventional heating extraction methods. <b>2015</b> , 29, 201-208	86
751	Polysaccharide nanoparticles for protein and Peptide delivery: exploring less-known materials. <b>2015</b> , 98, 223-61	32

750	Ulvans induce resistance against plant pathogenic fungi independently of their sulfation degree. <b>2015</b> , 133, 384-90	28
749	Tissue-specific rhamnogalacturonan I forms the gel with hyperelastic properties. <b>2015</b> , 80, 915-24	13
748	Cloning and Genomic Organization of a Rhamnogalacturonase Gene from Locally Isolated Strain of <i>Aspergillus niger</i> . <b>2015</b> , 176, 2314-27	2
747	Mango Peel as Source of Antioxidants and Pectin: Microwave Assisted Extraction. <b>2015</b> , 6, 1095-1102	25
746	An update on polygalacturonase-inhibiting protein (PGIP), a leucine-rich repeat protein that protects crop plants against pathogens. <b>2015</b> , 6, 146	84
745	Structural and biochemical insights into nucleotide-rhamnose synthase/epimerase-reductase from <i>Arabidopsis thaliana</i> . <b>2015</b> , 1854, 1476-86	10
744	Tuning of pectin methylesterification: consequences for cell wall biomechanics and development. <b>2015</b> , 242, 791-811	128
743	Plant oligosaccharides - outsiders among elicitors?. <b>2015</b> , 80, 881-900	9
742	Quantitative Analysis of Pectin in Drug Product by Size Exclusion Chromatography with Indirect Photometric Detection. <b>2015</b> , 38, 1254-1258	1
741	Cloning and expression analysis of two putative papaya genes encoding polygalacturonase-inhibiting proteins. <b>2015</b> , 104, 48-56	7
740	Pectin-interactions and in vitro bioaccessibility of calcium and iron in particulated tomato-based suspensions. <b>2015</b> , 49, 164-175	20
739	Synthesis of L-Hexoses. <b>2015</b> , 115, 3615-76	49
738	In situ prebiotics for weaning piglets: in vitro production and fermentation of potato galacto-rhamnogalacturonan. <b>2015</b> , 81, 1668-78	14
737	Comparing substrate specificity of two UDP-sugar pyrophosphorylases and efficient one-pot enzymatic synthesis of UDP-GlcA and UDP-GalA. <b>2015</b> , 411, 1-5	18
736	Structural, thermal, and anti-inflammatory properties of a novel pectic polysaccharide from alfalfa ( <i>Medicago sativa</i> L.) stem. <b>2015</b> , 63, 3219-28	81
735	How endogenous plant cell-wall degradation mechanisms can help achieve higher efficiency in saccharification of biomass. <b>2015</b> , 66, 4133-43	38
734	Plant immunity triggered by engineered in vivo release of oligogalacturonides, damage-associated molecular patterns. <b>2015</b> , 112, 5533-8	111
733	The Deconstruction of Pectic Rhamnogalacturonan I Unmasks the Occurrence of a Novel Arabinogalactan Oligosaccharide Epitope. <b>2015</b> , 56, 2181-96	24

732	Modifications of cell wall pectin in tomato cell suspension in response to cadmium and zinc. <b>2015</b> , 37, 1	26
731	Depiction of carbohydrate-active enzyme diversity in <i>Caldicellulosiruptor</i> sp. F32 at the genome level reveals insights into distinct polysaccharide degradation features. <b>2015</b> , 11, 3164-73	15
730	Pectic Polysaccharides and Their Functional Properties. <b>2015</b> , 1729-1749	11
729	Plant Cell Wall Polysaccharides: Structure and Biosynthesis. <b>2015</b> , 3-54	9
728	Differentiation of the seed coat and composition of the mucilage of <i>Lepidium perfoliatum</i> L.: a desert annual with typical myxospermy. <b>2015</b> , 47, 775-87	17
727	A review of bioactive plant polysaccharides: Biological activities, functionalization, and biomedical applications. <b>2015</b> , 5, 31-61	357
726	Pectin-based pellets for crayfish aquaculture: structural and functional characteristics and effects on redclaw <i>Cherax quadricarinatus</i> performances. <b>2015</b> , 21, 814-823	7
725	A lower content of de-methylesterified homogalacturonan improves enzymatic cell separation and isolation of mesophyll protoplasts in <i>Arabidopsis</i> . <i>Phytochemistry</i> , <b>2015</b> , 112, 188-94	4 17
724	GmPGIP3 enhanced resistance to both take-all and common root rot diseases in transgenic wheat. <b>2015</b> , 15, 375-81	15
723	A green method for the synthesis of gelatin/pectin stabilized palladium nano-particles as efficient heterogeneous catalyst for solvent-free Mizoroki-Bleck reaction. <b>2015</b> , 398, 241-247	39
722	Physicochemical properties of complex rhamnogalacturonan I from gelatinous cell walls of flax fibers. <b>2015</b> , 117, 853-861	22
721	Structural analysis of galactoarabinan from duckweed. <b>2015</b> , 117, 807-812	3
720	Investigating the function of an arabinan utilization locus isolated from a termite gut community. <b>2015</b> , 81, 31-9	14
719	The self-assembled network and physiological degradation of pectins in carrot cell walls. <b>2015</b> , 43, 41-50	78
718	Time of harvest affects the yield of soluble polysaccharides extracted enzymatically from potato pulp. <b>2015</b> , 93, 77-83	5
717	Pectin modifications: a review. <b>2015</b> , 55, 1684-98	141
716	Biotransformation of catechin and extraction of active polysaccharide from green tea leaves via simultaneous treatment with tannase and pectinase. <b>2015</b> , 95, 2337-44	23
715	The effect of high pressure homogenization on pectin: Importance of pectin source and pH. <b>2015</b> , 43, 189-198	58

714	A novel elicitor protein from <i>Phytophthora parasitica</i> induces plant basal immunity and systemic acquired resistance. <b>2015</b> , 16, 123-36	37
713	Rheological properties of natural low-methoxyl pectin extracted from sunflower head. <b>2015</b> , 44, 122-128	62
712	Identification of Biomarkers for Resistance to <i>f. sp.</i> Infection and Studies in Cultivar Puttabale through Proteomic Approach. <b>2016</b> , 4,	1
711	Pectinas de plantas medicinais: características estruturais e atividades imunomoduladoras. <b>2016</b> , 18, 201-214	2
710	Expression and validation of PvPGIP genes for resistance to white mold ( <i>Sclerotinia sclerotiorum</i> ) in common beans ( <i>Phaseolus vulgaris</i> L.). <b>2016</b> , 15,	2
709	Use of Pectin to Formulate Antimicrobial Packaging. <b>2016</b> , 675-680	1
708	Biopolymers as wound healing materials. <b>2016</b> , 261-287	18
707	The Pollen Coat Proteome: At the Cutting Edge of Plant Reproduction. <b>2016</b> , 4,	18
706	Immunolocalization of pectic polysaccharides during abscission in pea seeds ( <i>Pisum sativum</i> L.) and in abscission less def pea mutant seeds. <b>2016</b> , 9, 427	7
705	Genome Anatomy of <i>Pyrenochaeta unguis-hominis</i> UM 256, a Multidrug Resistant Strain Isolated from Skin Scraping. <b>2016</b> , 11, e0162095	5
704	Preparation, Characterization and Activity of a Peptide-Cellulosic Aerogel Protease Sensor from Cotton. <b>2016</b> , 16,	31
703	Cellular and Pectin Dynamics during Abscission Zone Development and Ripe Fruit Abscission of the Monocot Oil Palm. <b>2016</b> , 7, 540	20
702	Enzyme-Less Growth in <i>Chara</i> and Terrestrial Plants. <b>2016</b> , 7, 866	22
701	Comparative Transcriptome Analysis between Broccoli () and Wild Cabbage ( <i>Guss.</i> ) in Response to during Different Infection Stages. <b>2016</b> , 7, 1929	39
700	The stripe rust fungal effector PEC6 suppresses pattern-triggered immunity in a host species-independent manner and interacts with adenosine kinases. <b>2016</b> ,	38
699	Low or No Inhibitory Potency of the Canonical Galectin Carbohydrate-binding Site by Pectins and Galactomannans. <b>2016</b> , 291, 13318-34	37
698	Pathogen-induced conditioning of the primary xylem vessels - a prerequisite for the formation of bacterial emboli by <i>Pectobacterium atrosepticum</i> . <b>2016</b> , 18, 609-17	10
697	DAMPs, MAMPs, and NAMPs in plant innate immunity. <b>2016</b> , 16, 232	166

696	Arabinogalactan proteins and pectin distribution during female gametogenesis in <i>Quercus suber</i> L. <b>2016</b> , 117, 949-61	15
695	Enzymatic-assisted extraction and modification of lignocellulosic plant polysaccharides for packaging applications. <b>2016</b> , 133, n/a-n/a	4
694	Combined Effect of High-Pressure and Conventional Heating on Pectin Extraction from Passion Fruit Peel. <b>2016</b> , 9, 1021-1030	14
693	Common ragweed ( <i>Ambrosia artemisiifolia</i> L.): allergenicity and molecular characterization of pollen after plant exposure to elevated NO <sub>2</sub> . <b>2016</b> , 39, 147-64	60
692	Physicochemical characterization of pectin grafted with exogenous phenols. <b>2016</b> , 60, 486-493	28
691	Comparative Transcriptome Analysis between Low- and High-Cadmium-Accumulating Genotypes of Pakchoi ( <i>Brassica chinensis</i> L.) in Response to Cadmium Stress. <b>2016</b> , 50, 6485-94	129
690	Structural and immunological feature of rhamnogalacturonan I-rich polysaccharide from Korean persimmon vinegar. <b>2016</b> , 89, 319-27	14
689	Plant and Necrotrophic Fungal Pathogen Interaction: Mechanism and Mode of Action. <b>2016</b> , 29-53	5
688	A facile method to prepare fluorescent carbon dots and their application in selective colorimetric sensing of silver ion through the formation of silver nanoparticles. <b>2016</b> , 177, 228-234	26
687	Cell Wall Polysaccharides of Potato. <b>2016</b> , 33-56	5
686	Detection of Inulin, a Prebiotic Polysaccharide, in Maple Syrup. <b>2016</b> , 64, 7142-7	15
685	Plasma Chemistry as a Tool for Eco-Friendly Processing of Cotton Textile. <b>2016</b> , 137-167	1
684	VqDUF642, a gene isolated from the Chinese grape <i>Vitis quinquangularis</i> , is involved in berry development and pathogen resistance. <b>2016</b> , 244, 1075-1094	13
683	Preparation of pectin/silver nanoparticles composite films with UV-light barrier and properties. <b>2016</b> , 92, 842-849	91
682	Spatio-temporal diversification of the cell wall matrix materials in the developing stomatal complexes of <i>Zea mays</i> . <b>2016</b> , 244, 1125-1143	12
681	Plant Glycomics. <b>2016</b> , 445-476	2
680	QM/MM studies on the calcium-assisted elimination mechanism of pectate lyase from <i>Bacillus subtilis</i> . <b>2016</b> , 84, 1606-1615	4
679	Rice putative methyltransferase gene <i>OstSD2</i> is required for root development involving pectin modification. <b>2016</b> , 67, 5349-5362	10



678	Salivary Gland Secretions of Phytophagous Arthropods. <b>2016</b> , 601-623	
677	The impact of aminopyrene trisulfonate (APTS) label in acceptor glycan substrates for profiling plant pectin $\beta$ galactosyltransferase activities. <b>2016</b> , 433, 97-105	6
676	Arabinan. <b>2016</b> , 91-107	1
675	Chemical Composition and Properties of Wood. <b>2016</b> , 49-106	11
674	Extraction and characterization of three polysaccharides extracted from <i>Opuntia ficus indica</i> cladodes. <b>2016</b> , 92, 441-450	79
673	Galectin-3 in Renal Pathology: More Than Just an Innocent Bystander. <b>2016</b> , 43, 305-17	47
672	<i>Peltaster fructicola</i> genome reveals evolution from an invasive phytopathogen to an ectophytic parasite. <b>2016</b> , 6, 22926	13
671	Comprehensive analysis of the polygalacturonase and pectin methylesterase genes in <i>Brassica rapa</i> shed light on their different evolutionary patterns. <b>2016</b> , 6, 25107	19
670	Films and Coatings from Starch and Gums. <b>2016</b> , 125-142	
669	DEFECTIVE KERNEL1 (DEK1) Regulates Cell Walls in the Leaf Epidermis. <b>2016</b> , 172, 2204-2218	18
668	Interactions between aroma compounds and food matrix. <b>2016</b> , 208-234	3
667	Ontogeny and distribution of cell-wall glycans during aerenchyma formation in roots of <i>Pistia stratiotes</i> (Araceae). <b>2016</b> , 180, 401-412	4
666	Genetic modification of plant cell walls to enhance biomass yield and biofuel production in bioenergy crops. <b>2016</b> , 34, 997-1017	131
665	Isolation and structure elucidation of pectic polysaccharide from rose hip fruits ( <i>Rosa canina</i> L.). <b>2016</b> , 151, 803-811	33
664	Multiple approaches to assess pectin binding to galectin-3. <b>2016</b> , 91, 994-1001	34
663	Complex coacervation for the development of composite edible films based on LM pectin and sodium caseinate. <b>2016</b> , 151, 947-956	50
662	Tannic acid alleviates bulk and nanoparticle Nd <sub>2</sub> O <sub>3</sub> toxicity in pumpkin: a physiological and molecular response. <b>2016</b> , 10, 1243-53	27
661	An Acid-Adapted Endo- $\beta$ ,5-L-arabinanase for Pectin Releasing. <b>2016</b> , 180, 900-916	5

660	Integration of galacturonic acid extraction with alkaline protein extraction from green tea leaf residue. <b>2016</b> , 89, 95-102	11
659	Evaluation of the significance of cell wall polymers in flax infected with a pathogenic strain of <i>Fusarium oxysporum</i> . <b>2016</b> , 16, 75	20
658	Characterization of pectin from grapefruit peel: A comparison of ultrasound-assisted and conventional heating extractions. <b>2016</b> , 61, 730-739	249
657	Improving yield and composition of protein concentrates from green tea residue in an agri-food supply chain: Effect of pre-treatment. <b>2016</b> , 100, 92-101	16
656	High-throughput microarray mapping of cell wall polymers in roots and tubers during the viscosity-reducing process. <b>2016</b> , 63, 178-89	2
655	Process-Structure-Function Relations of Pectin in Food. <b>2016</b> , 56, 1021-42	78
654	Glycomics: revealing the dynamic ecology and evolution of sugar molecules. <b>2016</b> , 135, 90-100	26
653	Pectic oligosaccharides hydrolyzed from orange peel by fungal multi-enzyme complexes and their prebiotic and antibacterial potentials. <b>2016</b> , 69, 203-210	61
652	Controlled methyl-esterification of pectin catalyzed by cation exchange resin. <b>2016</b> , 137, 650-656	5
651	Citrus pectin as a template for synthesis of colorful aluminates. <b>2016</b> , 125, 124-131	11
650	Immobilization of flavan-3-ols onto sensor chips to study their interactions with proteins and pectins by SPR. <b>2016</b> , 371, 512-518	11
649	Xylans Provide the Structural Driving Force for Mucilage Adhesion to the Arabidopsis Seed Coat. <b>2016</b> , 171, 165-78	61
648	GRP-3 and KAPP, encoding interactors of WAK1, negatively affect defense responses induced by oligogalacturonides and local response to wounding. <b>2016</b> , 67, 1715-29	47
647	Environmental and Microbial Relationships. <b>2016</b> ,	6
646	6 Degradation of Plant Cell Wall Polymers by Fungi. <b>2016</b> , 127-148	1
645	Modified citrus pectin stops progression of liver fibrosis by inhibiting galectin-3 and inducing apoptosis of stellate cells. <b>2016</b> , 94, 554-62	32
644	Modification of potato cell wall pectin by the introduction of rhamnogalacturonan lyase and $\beta$ -galactosidase transgenes and their side effects. <b>2016</b> , 144, 9-16	10
643	Mechanistic insight into common bean pectic polysaccharide changes during storage, soaking and thermal treatment in relation to the hard-to-cook defect. <b>2016</b> , 81, 39-49	45

642	Identification of the bioactive components from pH-modified citrus pectin and their inhibitory effects on galectin-3 function. <b>2016</b> , 58, 113-119	41
641	A New Member of Family 11 Polysaccharide Lyase, Rhamnogalacturonan Lyase (CtRGLf) from <i>Clostridium thermocellum</i> . <b>2016</b> , 58, 232-40	12
640	PME58 plays a role in pectin distribution during seed coat mucilage extrusion through homogalacturonan modification. <b>2016</b> , 67, 2177-90	29
639	An improved microtiter plate assay to monitor the oxidative burst in monocot and dicot plant cell suspension cultures. <b>2016</b> , 12, 5	10
638	Papaya peel valorization for production of acidic pectin methylesterase by <i>Aspergillus tubingensis</i> and its application for fruit juice clarification. <b>2016</b> , 6, 58-67	18
637	Deliberate processing of carrot purées entails tailored serum pectin structures. <b>2016</b> , 33, 515-523	12
636	Hydrogel control of water uptake by pectins during in vitro pollen hydration of <i>Eucalyptus globulus</i> . <b>2016</b> , 103, 437-51	17
635	How the rice weevil breaks down the pectin network: Enzymatic synergism and sub-functionalization. <b>2016</b> , 71, 72-82	28
634	Partial structural characterization of pectin cell wall from <i>Argania spinosa</i> leaves. <b>2016</b> , 2, e00076	8
633	Relating the mechanics of the primary plant cell wall to morphogenesis. <b>2016</b> , 67, 449-61	129
632	Modified pectic polysaccharide from turmeric ( <i>Curcuma longa</i> ): A potent dietary component against gastric ulcer. <b>2016</b> , 138, 143-55	32
631	Structural characteristics of pectic polysaccharides and arabinogalactan proteins from <i>Heracleum sosnowskyi</i> Manden. <b>2016</b> , 136, 1358-69	38
630	Hitting the Wall: Plant Cell Walls During <i>Botrytis cinerea</i> Infections. <b>2016</b> , 361-386	9
629	<i>Botrytis</i> [The Fungus, the Pathogen and its Management in Agricultural Systems]. <b>2016</b> ,	70
628	Conventional and Microwave-Assisted Extraction of Mucilage from <i>Opuntia ficus-indica</i> Cladodes: Physico-Chemical and Rheological Properties. <b>2016</b> , 9, 481-492	22
627	Substituted galacturonan from starfruit: Chemical structure and antinociceptive and anti-inflammatory effects. <b>2016</b> , 84, 295-300	12
626	Structure identification of a polysaccharide purified from <i>Lycium barbarum</i> fruit. <b>2016</b> , 82, 696-701	74
625	Carbohydrates produced in batch cultures of the surf zone diatom <i>Asterionellopsis glacialis sensu lato</i> : Influence in vertical migration of the microalga and in bacterial abundance. <b>2016</b> , 474, 126-132	6

624	Impact of pectin properties on lipid digestion under simulated gastrointestinal conditions: Comparison of citrus and banana passion fruit ( <i>Passiflora tripartita</i> var. <i>mollissima</i> ) pectins. <b>2016</b> , 52, 329-342	78
623	Determining Substrate Specificities of $\alpha$ ,4-Endogalactanases Using Plant Arabinogalactan Oligosaccharides Synthesized by Automated Glycan Assembly. <b>2017</b> , 82, 1842-1850	14
622	Short oligogalacturonides induce pathogen resistance-associated gene expression in <i>Arabidopsis thaliana</i> . <b>2017</b> , 17, 19	43
621	Transgenic modification of potato pectic polysaccharides also affects type and level of cell wall xyloglucan. <b>2017</b> , 97, 3240-3248	3
620	Enhancement the thermo-regulating property of cellulosic fabric using encapsulated paraffins in modified pectin. <b>2017</b> , 165, 421-428	26
619	Structural, morphological, ionic conductivity, and thermal properties of pectin-based polymer electrolytes. <b>2017</b> , 643, 266-273	14
618	Efficient Expression of an Acidic Endo-polygalacturonase from <i>Aspergillus niger</i> and Its Application in Juice Production. <b>2017</b> , 65, 2730-2736	10
617	Pectins functionalized biomaterials; a new viable approach for biomedical applications: A review. <b>2017</b> , 101, 254-272	148
616	An Improved Kinetic Assay for the Characterization of Metal-Dependent Pectate Lyases. <b>2017</b> , 1588, 37-44	
615	Effect of methyl jasmonic acid on peach fruit ripening progress. <b>2017</b> , 220, 206-213	18
614	Using complexation for the microencapsulation of nisin in biopolymer matrices by spray-drying. <b>2017</b> , 236, 32-40	24
613	A Rice Gene Is Required for Plant Growth and Leaf Senescence. <b>2017</b> , 174, 1151-1166	46
612	A pectic polysaccharide from peach palm fruits ( <i>Bactris gasipaes</i> ) and its fermentation profile by the human gut microbiota in vitro. <b>2017</b> , 9, 1-6	18
611	Evaluation of pectin nanostructure by atomic force microscopy in blanched carrot. <b>2017</b> , 84, 658-667	23
610	Insights into the early stage of <i>Pinus nigra</i> Arn. somatic embryogenesis using discovery proteomics. <b>2017</b> , 169, 99-111	18
609	Plant Biotechnology: Recent Advancements and Developments. <b>2017</b> ,	4
608	Husk Tomato ( <i>Physalis ixocarpa</i> Brot.) Waste as a Promising Source of Pectin: Extraction and Physicochemical Characterization. <b>2017</b> , 82, 1594-1601	21
607	Boron-bridged RG-II and calcium are required to maintain the pectin network of the <i>Arabidopsis</i> seed mucilage ultrastructure. <b>2017</b> , 94, 267-280	12

606	A polygalacturonase localized in the Golgi apparatus in <i>Pisum sativum</i> . <b>2017</b> , 162, 193-201	3
605	Molecular Cloning, Expression and Characterization of Pectin Methylesterase (CtPME) from <i>Clostridium thermocellum</i> . <b>2017</b> , 59, 128-140	13
604	Biofunctionalized Plants as Diverse Biomaterials for Human Cell Culture. <b>2017</b> , 6, 1601225	46
603	The production of galacturonic acid enriched fractions and their functionality. <b>2017</b> , 68, 23-30	10
602	Unravelling the nanostructure of strawberry fruit pectins by endo-polygalacturonase digestion and atomic force microscopy. <b>2017</b> , 224, 270-279	29
601	Mathematical model of Ca <sup>2+</sup> concentration, pH, pectin concentration and soluble solids (sucrose) on the gelation of low methoxyl pectin. <b>2017</b> , 66, 37-48	52
600	Tyramine-modified pectins via periodate oxidation for soybean hull peroxidase induced hydrogel formation and immobilization. <b>2017</b> , 101, 2281-2290	9
599	Extraction of pectin from the peels of pomelo by high-speed shearing homogenization and its characteristics. <b>2017</b> , 79, 640-646	40
598	Immunocytochemical detection of rhamnogalacturonan II on forming cell plates in cultured tobacco cells. <b>2017</b> , 81, 899-905	4
597	Plant Constituents. <b>2017</b> , 61-80	16
596	Transcriptome portrait of cellulose-enriched flax fibres at advanced stage of specialization. <b>2017</b> , 93, 431-449	32
595	Discovery of $\beta$ -arabinopyranosidases from human gut microbiome expands the diversity within glycoside hydrolase family 42. <b>2017</b> , 292, 21092-21101	6
594	Comparative genomic and plasmid analysis of beer-spoiling and non-beer-spoiling <i>Lactobacillus brevis</i> isolates. <b>2017</b> , 63, 970-983	7
593	Increased galectin-3 levels are associated with abdominal aortic aneurysm progression and inhibition of galectin-3 decreases elastase-induced AAA development. <b>2017</b> , 131, 2707-2719	18
592	Input of different kinds of soluble pectin to cation binding properties of roots cell walls. <b>2017</b> , 120, 194-201	9
591	Carbohydrates. <b>2017</b> , 41-57	
590	Developmental changes in phenolic compounds, antioxidant capacity and enzymes activity in skin of <i>El-Bayadi</i> table grapes. <b>2017</b> , 224, 219-225	3
589	<i>Tilia tomentosa</i> pectins exhibit dual mode of action on phagocytes as $\beta$ -glucuronic acid monomers are abundant in their rhamnogalacturonans I. <b>2017</b> , 175, 178-191	34

588	Preparation-related structural diversity and medical potential in the treatment of diabetes mellitus with ginseng pectins. <b>2017</b> , 1401, 75-89	20
587	Structural elucidation of a pectin-type polysaccharide from <i>Hovenia dulcis</i> peduncles and its proliferative activity on RAW264.7 cells. <b>2017</b> , 104, 1246-1253	26
586	Chemical Synthesis of Oligosaccharides Related to the Cell Walls of Plants and Algae. <b>2017</b> , 117, 11337-11405	48
585	Biopolymeric Nanoparticles. <b>2017</b> , 293-324	1
584	Biomass Conversion. <b>2017</b> , 285-419	4
583	Ripening-induced chemical modifications of papaya pectin inhibit cancer cell proliferation. <b>2017</b> , 7, 16564	33
582	Cell wall changes during the formation of aerenchyma in sugarcane roots. <b>2017</b> , 120, 693-708	17
581	Analytical Methods for Pectin Methylsterase Activity Determination: a Review. <b>2017</b> , 10, 3634-3646	7
580	A pectic polysaccharide from <i>Ligusticum chuanxiong</i> promotes intestine antioxidant defense in aged mice. <b>2017</b> , 174, 915-922	40
579	Improvement of activity, thermo-stability and fruit juice clarification characteristics of fungal exo-polygalacturonase. <b>2017</b> , 95, 974-984	69
578	Low temperature caused modifications in the arrangement of cell wall pectins due to changes of osmotic potential of cells of maize leaves ( <i>Zea mays</i> L.). <b>2017</b> , 254, 713-724	34
577	Seasonal dynamics of polysaccharides in Norway spruce ( <i>Picea abies</i> ). <b>2017</b> , 157, 686-694	7
576	Arabinogalactan Proteins From Baobab and Acacia Seeds Influence Innate Immunity of Human Keratinocytes In Vitro. <b>2017</b> , 232, 2558-2568	5
575	Influence of pH, pectin and Ca concentration on gelation properties of low-methoxyl pectin extracted from <i>Cyclea barbata</i> Miers. <b>2017</b> , 11, 16-23	22
574	Advances in the pectin production process using novel extraction techniques: A review. <b>2017</b> , 62, 239-250	200
573	Agro-Industrial Residues and Microbial Enzymes. <b>2017</b> , 475-511	18
572	Pectin at the oil-water interface: Relationship of molecular composition and structure to functionality. <b>2017</b> , 68, 211-218	98
571	Biological roles of glycans. <b>2017</b> , 27, 3-49	1039

570	In situ stabilization of Pd(0) nanoparticles into a mixture of natural carbohydrate beads: A novel and highly efficient heterogeneous catalyst system for Heck coupling reactions. <b>2017</b> , 31, e3588	8
569	Proton-conducting biopolymer electrolytes based on pectin doped with NH <sub>4</sub> X (X=Cl, Br). <b>2017</b> , 23, 2799-2808	27
568	Immobilization of recombinant pectate lyase from <i>Clostridium thermocellum</i> ATCC-27405 on magnetic nanoparticles for bioscouring of cotton fabric. <b>2017</b> , 33, 236-244	13
567	Properties of high-methoxyl pectin extracted from Fuji Apple pomace in China. <b>2017</b> , 40, e12497	22
566	Structural elucidation of anti-metastatic rhamnogalacturonan II from the pectinase digest of citrus peels ( <i>Citrus unshiu</i> ). <b>2017</b> , 94, 161-169	29
565	Effect of Plasticizer Type on Tensile Property and In Vitro Indomethacin Release of Thin Films Based on Low-Methoxyl Pectin. <b>2017</b> , 9,	43
564	Molecular Basis of Resistance to <i>Fusarium</i> Ear Rot in Maize. <b>2017</b> , 8, 1774	57
563	Boron Deficiency in Trifoliolate Orange Induces Changes in Pectin Composition and Architecture of Components in Root Cell Walls. <b>2017</b> , 8, 1882	41
562	Photoperiodic Regulation of Growth-Dormancy Cycling through Induction of Multiple Bud-Shoot Barriers Preventing Water Transport into the Winter Buds of Norway Spruce. <b>2017</b> , 8, 2109	12
561	The influence of nanofillers on physical/chemical properties of polysaccharide-based film intended for food packaging. <b>2017</b> , 637-697	14
560	Purification and Partial Structural Characterization of a Complement Fixating Polysaccharide from Rhizomes of <i>Ligusticum chuanxiong</i> . <b>2017</b> , 22,	19
559	The Role of OmpR in the Expression of Genes of the KdgR Regulon Involved in the Uptake and Depolymerization of Oligogalacturonides in. <b>2017</b> , 7, 366	3
558	Gut Fermentation of Dietary Fibres: Physico-Chemistry of Plant Cell Walls and Implications for Health. <b>2017</b> , 18,	97
557	Adding biological function to nonbiological nanoparticles. <b>2017</b> , 497-534	1
556	<i>Neosartorya glabra</i> polygalacturonase produced from fruit peels as inducers has the potential for application in passion fruit and apple juices. <b>2017</b> , 20,	5
555	Structural analysis of an innate immunostimulant from broccoli, <i>Brassica oleracea</i> var. <i>italica</i> . <b>2017</b> , 11, 230-237	3
554	Evaluation and application of prebiotic and probiotic ingredients for development of ready to drink tea beverage. <b>2018</b> , 55, 1525-1534	15
553	The Necrotrophic Fungus <i>Macrophomina phaseolina</i> Promotes Charcoal Rot Susceptibility in Grain Sorghum Through Induced Host Cell-Wall-Degrading Enzymes. <b>2018</b> , 108, 948-956	12

552	A major natural genetic variation associated with root system architecture and plasticity improves waterlogging tolerance and yield in soybean. <b>2018</b> , 41, 2169-2182	31
551	Characteristics and immune-enhancing activity of pectic polysaccharides from sweet cherry ( <i>Prunus avium</i> ). <b>2018</b> , 254, 47-54	52
550	The effect of pectins on survival of probiotic <i>Lactobacillus</i> spp. in gastrointestinal juices is related to their structure and physical properties. <b>2018</b> , 74, 11-20	31
549	Statistical optimization of immobilization of yeast cells on corncob for pectinase production. <b>2018</b> , 14, 450-456	27
548	Optimization of preparation conditions for calcium pectinate with response surface methodology and its application for cell encapsulation. <b>2018</b> , 115, 29-34	4
547	Carboxymethylation of pectin: Optimization, characterization and in-vitro drug release studies. <b>2018</b> , 194, 311-318	18
546	A label-free cellulose SERS biosensor chip with improvement of nanoparticle-enhanced LSPR effects for early diagnosis of subarachnoid hemorrhage-induced complications. <b>2018</b> , 111, 59-65	43
545	Overexpression of OsPGIP2 confers <i>Sclerotinia sclerotiorum</i> resistance in <i>Brassica napus</i> through increased activation of defense mechanisms. <b>2018</b> , 69, 3141-3155	29
544	Identification of chitosan oligosaccharides binding proteins from the plasma membrane of wheat leaf cell. <b>2018</b> , 111, 1083-1090	22
543	Novel pectinase from <i>Piriformospora indica</i> , optimization of growth parameters and enzyme production in submerged culture condition. <b>2018</b> , 43, 289-295	2
542	β-Arabinofuranosylation Conducted by 5-O-(2-pyridinecarbonyl)-L-arabinofuranosyl Trichloroacetimidate. <b>2018</b> , 460, 1-7	5
541	Molecular mechanisms of immunomodulatory activity by polysaccharide isolated from the peels of <i>Citrus unshiu</i> . <b>2018</b> , 112, 576-583	23
540	Lignocellulosic Composite Materials. <b>2018</b> ,	5
539	Retting Process as a Pretreatment of Natural Fibers for the Development of Polymer Composites. <b>2018</b> , 97-135	24
538	Mechanism underlying rapid responses to boron deprivation in <i>Arabidopsis</i> roots. <b>2018</b> , 64, 106-115	8
537	ARA1 regulates not only l-arabinose but also d-galactose catabolism in <i>Trichoderma reesei</i> . <b>2018</b> , 592, 60-70	18
536	Plant cell wall-mediated immunity: cell wall changes trigger disease resistance responses. <b>2018</b> , 93, 614-636	181
535	Preliminary characterization and anti-hyperglycemic activity of a pectic polysaccharide from okra ( <i>Abelmoschus esculentus</i> (L.) Moench). <b>2018</b> , 41, 19-24	51



534	Polysaccharide structure and immunological relationships of RG-I pectin from the bee pollen of <i>Nelumbo nucifera</i> . <b>2018</b> , 111, 660-666	21
533	Biochemistry of complex glycan depolymerisation by the human gut microbiota. <b>2018</b> , 42, 146-164	100
532	Rheological properties of deesterified pectin with different methoxylation degree. <b>2018</b> , 23, 91-99	19
531	Extension of the GROMOS 56a6 Force Field for Charged, Protonated, and Esterified Uronates. <b>2018</b> , 122, 3696-3710	14
530	Characterization of the complexing agents Influence on bioscouring cotton fabrics by FT-IR and TG/DTG/DTA analysis. <b>2018</b> , 132, 1489-1498	3
529	<i>Dickeya dadantii</i> pectic enzymes necessary for virulence are also responsible for activation of the <i>Arabidopsis thaliana</i> innate immune system. <b>2018</b> , 19, 313-327	14
528	Metabolism of the plant hormone jasmonate: a sentinel for tissue damage and master regulator of stress response. <b>2018</b> , 17, 51-80	53
527	UDP-arabinopyranose mutase gene expressions are required for the biosynthesis of the arabinose side chain of both pectin and arabinoxyloglucan, and normal leaf expansion in <i>Nicotiana tabacum</i> . <b>2018</b> , 131, 307-317	6
526	Immunocytochemical demonstration of cell wall components related to tissue compartments in the globoid galls induced by <i>Clinodiplosis</i> sp. (Cecidomyiidae) on <i>Croton floribundus</i> Spreng. (Euphorbiaceae). <b>2018</b> , 96, 9-18	8
525	Extraction, structure, and emulsifying properties of pectin from potato pulp. <b>2018</b> , 244, 197-205	126
524	Preparing rhamnogalacturonan II domains from seven plant pectins using <i>Penicillium oxalicum</i> degradation and their structural comparison. <b>2018</b> , 180, 209-215	16
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	Cytological aspects during the stretching of collapsed cells in the root aerenchyma of <i>Potamogeton polygonus</i> Cham. & Schltdl. (Potamogetonaceae). <b>2018</b> , 239, 151-158	3
521	Extraction and characterization of RG-I enriched pectic polysaccharides from mandarin citrus peel. <b>2018</b> , 79, 579-586	72
520	Branched Pectic Galactan in Phloem-Sieve-Element Cell Walls: Implications for Cell Mechanics. <b>2018</b> , 176, 1547-1558	39
519	Unravelling the structure of serum pectin originating from thermally and mechanically processed carrot-based suspensions. <b>2018</b> , 77, 482-493	13
518	Pectin and cellulose cell wall composition enables different strategies to leaf water uptake in plants from tropical fog mountain. <b>2018</b> , 122, 57-64	27
517	Chemical modification of citrus pectin: Structural, physical and rheological implications. <b>2018</b> , 109, 784-792	41

516	Polysaccharides from pectinase digests of green tea enhances host immune defence through toll-like receptor 4. <b>2018</b> , 29, 870-885	0
515	FORMULATION AND IN VITRO EVALUATION OF GASTRORETENTIVE FLOATING BEADS OF AMOXICILLIN USING PECTIN FROM BANANA PEEL (MUSA BALBISIANA ABB). <b>2018</b> , 11, 72	2
514	The Role of Polymer Cross-Linking in Intercellular Adhesion. <b>2018</b> , 183-204	
513	Cell Wall Structure, Biosynthesis and Assembly. <b>2018</b> , 8-39	2
512	Plant Cell Wall Biosynthesis: Making the Bricks. <b>2018</b> , 183-222	3
511	Approaches to Chemical Synthesis of Pectic Oligosaccharides. <b>2018</b> , 65-92	
510	Molecules in Context: Probes for Cell Wall Analysis. <b>2018</b> , 92-110	
509	The Cell Wall: A Sensory Panel for Signal Transduction. <b>2018</b> , 176-203	1
508	Enzymatic Modification of Plant Cell Wall Polysaccharides. <b>2018</b> , 367-387	1
507	Polarity and Cell Walls. <b>2018</b> , 72-121	
506	Enzymatic treatment of flax for use in composites. <b>2018</b> , 20, e00294	25
505	Pectin Methylsterases: Cell Wall Remodeling Proteins Are Required for Plant Response to Heat Stress. <b>2018</b> , 9, 1612	68
504	Genome-Wide Identification and Characterization of Pectin Methylsterase Inhibitor Genes in. <b>2018</b> , 19,	4
503	Cell Wall Epitopes and Endoploidy as Reporters of Embryogenic Potential in Callus Culture. <b>2018</b> , 19,	3
502	Carrier Based Oral Nano Drug Delivery Framework: A Review. <b>2018</b> , 3, 75-85	7
501	Physicochemical and functional properties of Cucurbita maxima pumpkin pectin and commercial citrus and apple pectins: A comparative evaluation. <b>2018</b> , 13, e0204261	35
500	Access to new anticoagulant by sulfation of pectin-like polysaccharides isolated from Opuntia ficus indica cladodes. <b>2018</b> , 120, 1794-1800	9
499	Novel approaches for biotechnological production and application of L-arabinose. <b>2018</b> , 37, 251-284	12

498	The Three Members of the Arabidopsis Glycosyltransferase Family 92 are Functional $\beta$ ,4-Galactan Synthases. <b>2018</b> , 59, 2624-2636	16
497	Isolation and Characterization of Pectic Polysaccharide Fraction from In Vitro Suspension Culture of <i>Fumaria officinalis</i> L.. <b>2018</b> , 2018, 1-13	15
496	Influence of Pectin Structural Properties on Interactions with Divalent Cations and Its Associated Functionalities. <b>2018</b> , 17, 1576-1594	55
495	A Profusion of Molecular Scissors for Pectins: Classification, Expression, and Functions of Plant Polygalacturonases. <b>2018</b> , 9, 1208	32
494	Genome-wide identification and expression analyses of the pectate lyase (PEL) gene family in cotton ( <i>Gossypium hirsutum</i> L.). <b>2018</b> , 19, 661	20
493	Functional analysis of tomato rhamnogalacturonan lyase gene Solyc11g011300 during fruit development and ripening. <b>2018</b> , 231, 31-40	10
492	Ammonium mitigates Cd toxicity in rice ( <i>Oryza sativa</i> ) via putrescine-dependent alterations of cell wall composition. <b>2018</b> , 132, 189-201	16
491	In vitro regeneration of two <i>Populus</i> hybrid clones. The role of pectin domains in cell processes underlying shoot organogenesis induction. <b>2018</b> , 62, 763-774	3
490	Mechanisms of organic acids and boron induced tolerance of aluminum toxicity: A review. <b>2018</b> , 165, 25-35	40
489	Boron deprivation induced inhibition of root elongation is provoked by oxidative damage, root injuries and changes in cell wall structure. <b>2018</b> , 156, 74-85	14
488	Structural variation among leaves in <i>Aechmea distichantha</i> Lem. (Bromeliaceae) rosettes, considering apical and basal differences. <b>2018</b> , 248, 76-86	2
487	Systematic fractionation and immunoenhancement of water-soluble polysaccharides isolated from fruit of <i>Morus alba</i> L. <b>2018</b> , 116, 1056-1063	12
486	Active pectin fragments of high in vitro antiproliferation activities toward human colon adenocarcinoma cells: Rhamnogalacturonan II. <b>2018</b> , 83, 239-245	13
485	Functional Biopolymers in Food Manufacturing. <b>2018</b> , 157-189	3
484	Effect of the degree of esterification and blockiness on the complex coacervation of pea protein isolate and commercial pectic polysaccharides. <b>2018</b> , 264, 180-188	29
483	Genome-wide identification of the pectate lyase-like (PLL) gene family and functional analysis of two PLL genes in rice. <b>2018</b> , 293, 1317-1331	11
482	Difference research of pectins extracted from tobacco waste by heat reflux extraction and microwave-assisted extraction. <b>2018</b> , 15, 359-363	14
481	Elicitors and defense gene induction in plants with altered lignin compositions. <b>2018</b> , 219, 1235-1251	34

480	A new monoclonal antibody against rhamnogalacturonan II and its application to immunocytochemical detection of rhamnogalacturonan II in Arabidopsis roots. <b>2018</b> , 82, 1780-1789	8
479	Foliar application of zinc sulphate and zinc EDTA to wheat leaves: differences in mobility, distribution, and speciation. <b>2018</b> , 69, 4469-4481	56
478	Oligosaccharides successfully thwart hijacking of the salicylic acid pathway by Phytophthora infestans in potato leaves. <b>2018</b> , 67, 1901-1911	7
477	Integration of ultrasonic treatment in biorefinery of tea residue: protein structural characteristics and functionality, and the generation of by-products. <b>2018</b> , 12, 2695-2707	7
476	The Composition and Structure of Plant Primary Cell Walls. <b>2018</b> , 1-54	19
475	Sugar Beet Pulp as a Source of Valuable Biotechnological Products. <b>2018</b> , 359-392	10
474	Perspectives on Structural, Physiological, Cellular, and Molecular Responses to Desiccation in Resurrection Plants. <b>2018</b> , 2018, 9464592	11
473	Distinct Substrate Specificities and Electron-Donating Systems of Fungal Lytic Polysaccharide Monoxygenases. <b>2018</b> , 9, 1080	70
472	Polymeric materials for targeted delivery of bioactive agents and drugs. <b>2018</b> , 249-266	
471	The Role of Auxin in Cell Wall Expansion. <b>2018</b> , 19,	133
470	Mechanism of Salt-Induced Self-Compatibility Dissected by Comparative Proteomic Analysis in L. <b>2018</b> , 19,	5
469	Synthesis of Two Tetrasaccharide Pentenyl Glycosides Related to the Pectic Rhamnogalacturonan I Polysaccharide. <b>2018</b> , 23,	2
468	Pectin and Pectin-Based Composite Materials: Beyond Food Texture. <b>2018</b> , 23,	156
467	Linear relationships between shoot magnesium and calcium concentrations among angiosperm species are associated with cell wall chemistry. <b>2018</b> , 122, 221-226	20
466	Carbohydrate Esterases: An Overview. <b>2018</b> , 1835, 39-68	4
465	Structural characterization and anti-A549 lung cancer cells bioactivity of a polysaccharide from Houttuynia cordata. <b>2018</b> , 120, 288-296	26
464	Genome-Wide Identification, Molecular Evolution, and Expression Profiling Analysis of Pectin Methylesterase Inhibitor Genes in ssp.. <b>2018</b> , 19,	9
463	The hemicellulose-degrading enzyme system of the thermophilic bacterium : comparative characterisation and addition of new hemicellulolytic glycoside hydrolases. <b>2018</b> , 11, 229	25

462	Functional analysis of a tomato ( <i>Solanum lycopersicum</i> L.) rhamnogalacturonan lyase promoter. <b>2018</b> , 229, 175-184	3
461	TBL10 is required for O-acetylation of pectic rhamnogalacturonan-I in <i>Arabidopsis thaliana</i> . <b>2018</b> , 96, 772-785	20
460	Structure-Related Gelling of Pectins and Linking with Other Natural Compounds: A Review. <b>2018</b> , 10,	122
459	Characterization of cell wall polysaccharides from <i>Sicana odorifera</i> fruit and structural analysis of a galactan-rich fraction pectins as side chains. <b>2018</b> , 197, 395-402	18
458	Cell Wall Disassembly. <b>2018</b> , 264-324	6
457	Involvement of Three CsRHM Genes from <i>Camellia sinensis</i> in UDP-Rhamnose Biosynthesis. <b>2018</b> , 66, 7139-7149	7
456	Cytological differentiation and cell wall involvement in the growth mechanisms of articulated laticifers in <i>Tabernaemontana catharinensis</i> A.DC. (Apocynaceae). <b>2019</b> , 256, 131-146	6
455	Comparative Transcriptome Analysis of Waterlogging-Sensitive and Tolerant Zombi Pea () Reveals Energy Conservation and Root Plasticity Controlling Waterlogging Tolerance. <b>2019</b> , 8,	12
454	Untargeted Metabolomics Based on GC-MS and Chemometrics: A New Tool for the Early Diagnosis of Strawberry Anthracnose Caused by. <b>2019</b> , 103, 2541-2547	10
453	Structural elucidation of an anti-metastatic polysaccharide from the peels of Korean citrus Hallabong. <b>2019</b> , 225, 115222	10
452	Trends in the Manufacture of Coatings in the Postharvest Conservation of Fruits and Vegetables. <b>2019</b> , 355-375	1
451	Interactions of Anthocyanins with Pectin and Pectin Fragments in Model Solutions. <b>2019</b> , 67, 9344-9353	19
450	BcPME37c is involved in pollen intine formation in <i>Brassica campestris</i> . <b>2019</b> , 517, 63-68	7
449	Signaling pathway and structural features of macrophage-activating pectic polysaccharide from Korean citrus, Cheongkyool peels. <b>2019</b> , 137, 657-665	13
448	Glycan utilisation system in <i>Bacteroides</i> and <i>Bifidobacteria</i> and their roles in gut stability and health. <b>2019</b> , 103, 7287-7315	23
447	Critical Review of Plant Cell Wall Matrix Polysaccharide Glycosyltransferase Activities Verified by Heterologous Protein Expression. <b>2019</b> , 10, 915	36
446	Pectin recovery and characterization from lemon juice waste streams. <b>2019</b> , 99, 6191-6198	12
445	Properties of biobased packaging material. <b>2019</b> , 25-111	1

444	Rhamnogalacturonan I galactosyltransferase: Detection of enzyme activity and its hyperactivation. <b>2019</b> , 142, 173-178	2
443	Plant Fucosyltransferases and the Emerging Biological Importance of Fucosylated Plant Structures. <b>2019</b> , 38, 327-338	3
442	Properties and Applications of Gelatin, Pectin, and Carrageenan Gels. <b>2019</b> , 117-140	7
441	Development of Parasitic Organs of a Stem Holoparasitic Plant in Genus. <b>2019</b> , 10, 1435	14
440	Bioactive polysaccharides from natural sources: A review on the antitumor and immunomodulating activities. <b>2019</b> , 22, 101425	37
439	Galling insects as phenotype manipulators of cell wall composition during the development of galls induced on leaves of <i>Aspidosperma tomentosum</i> (Apocynaceae). <b>2019</b> , 127, 226-233	4
438	Structural characterization and hypolipidemic activities of purified stigma maydis polysaccharides. <b>2019</b> , 7, 2674-2683	12
437	Oligogalacturonide production upon - interaction. <b>2019</b> , 116, 19743-19752	42
436	Bioactive Molecules in Plant Defense. <b>2019</b> ,	2
435	Advances in Studies Using Vegetable Wastes to Obtain Pectic Substances: A Review. <b>2019</b> , 27, 549-560	11
434	Pectinases: Production and Applications for Fruit Juice Beverages. <b>2019</b> , 235-273	14
433	Analysis of pectin from <i>Panax ginseng</i> flower buds and their binding activities to galectin-3. <b>2019</b> , 128, 459-467	31
432	Advancements in the Understanding of Pectin Methyltransferase Enzymes and Their Inhibitors for Use in Food Science Applications. <b>2019</b> , 202-208	
431	Responsive coatings from naturally occurring pectin polysaccharides. <b>2019</b> , 176, 387-393	8
430	Pectin Methyltransferases Modulate Plant Homogalacturonan Status in Defenses against the Aphid. <b>2019</b> , 31, 1913-1929	18
429	Polysaccharide-based amorphous solid dispersions (ASDs) for improving solubility and bioavailability of drugs. <b>2019</b> , 271-317	1
428	Hydrogen peroxide alleviates P starvation in rice by facilitating P remobilization from the root cell wall. <b>2019</b> , 240, 153003	1
427	Discovery of an RmlC/D fusion protein in the microalga and its implications for NDP-β-rhamnose biosynthesis in microalgae. <b>2019</b> , 294, 9172-9185	8

426	An alkali-extracted polysaccharide from <i>Zizyphus jujuba</i> cv. Muzao: Structural characterizations and antioxidant activities. <b>2019</b> , 136, 607-615	31
425	FORCE-ing the shape. <b>2019</b> , 52, 1-6	3
424	Physico-Chemical Properties of Sugar Beet Pectin-Sodium Caseinate Conjugates via Different Interaction Mechanisms. <b>2019</b> , 8,	6
423	New steps in mucilage biosynthesis revealed by analysis of the transcriptome of the UDP-rhamnose/UDP-galactose transporter 2 mutant. <b>2019</b> , 70, 5071-5088	6
422	Structural analysis and biological activity of cell wall polysaccharides extracted from <i>Panax ginseng</i> marc. <b>2019</b> , 135, 29-37	11
421	Carbon Dioxide Improves Phosphorus Nutrition by Facilitating the Remobilization of Phosphorus From the Shoot Cell Wall in Rice (). <b>2019</b> , 10, 665	5
420	Pectin-Rich Amendment Enhances Soybean Growth Promotion and Nodulation Mediated by Strains. <b>2019</b> , 8,	16
419	Genetic Modification of Biomass to Alter Lignin Content and Structure. <b>2019</b> , 58, 16190-16203	7
418	Functions and mechanisms: polygalacturonases from plant pathogenic fungi as pathogenicity and virulence factors. <b>2019</b> , 85, 243-250	2
417	Remodelling of cell wall composition during leaf development in <i>Lavoisiera mucorifera</i> (Melastomataceae). <b>2019</b> , 67, 140	1
416	Distributions of Silica and Biopolymer Structural Components in the Spore Elater of , an Ancient Silicifying Plant. <b>2019</b> , 10, 210	2
415	Progress in pectin based hydrogels for water purification: Trends and challenges. <b>2019</b> , 238, 210-223	73
414	Extraction, isolation and structural characterization of a novel polysaccharide from <i>Cyclocarya paliurus</i> . <b>2019</b> , 132, 864-870	18
413	Immobilization of enological pectinase in calcium alginate hydrogels: A potential biocatalyst for winemaking. <b>2019</b> , 18, 101091	25
412	Reactive mechanism and the applications of bioactive prebiotics for human health: Review. <b>2019</b> , 159, 128-137	48
411	Solubility Difference between Pectic Fractions from Creeping Fig Seeds. <b>2019</b> , 11,	3
410	Biomodification of Flax Fibrous Materials for Increase of Sorption to Organic Compounds. <b>2019</b> , 2019, 1-11	6
409	Genomic insights from <i>Monoglobus pectinilyticus</i> : a pectin-degrading specialist bacterium in the human colon. <b>2019</b> , 13, 1437-1456	25

408	Naturally-derived biopolymers: Potential platforms for enzyme immobilization. <b>2019</b> , 130, 462-482	163
407	Green Production and Biotechnological Applications of Cell Wall Lytic Enzymes. <b>2019</b> , 9, 5012	10
406	Physiological and molecular aspects of pod shattering resistance in crops. <b>2019</b> , 55, 87-92	4
405	Preparation and Characterization of Electrospun Pectin-Based Films and Their Application in Sustainable Aroma Barrier Multilayer Packaging. <b>2019</b> , 9, 5136	16
404	PECTIN ACETYLESTERASE9 Affects the Transcriptome and Metabolome and Delays Aphid Feeding. <b>2019</b> , 181, 1704-1720	9
403	The Use of Chitosan, Alginate, and Pectin in the Biomedical and Food Sector-Biocompatibility, Bioadhesiveness, and Biodegradability. <b>2019</b> , 11,	164
402	Plant cell wall degradation in insects: Recent progress on endogenous enzymes revealed by multi-omics technologies. <b>2019</b> , 97-136	10
401	Division of labor in honey bee gut microbiota for plant polysaccharide digestion. <b>2019</b> , 116, 25909-25916	80
400	Arabidopsis Seed Mucilage: A Specialised Extracellular Matrix that Demonstrates the Structure-Function Versatility of Cell Wall Polysaccharides. <b>2019</b> , 1085-1116	13
399	Expression of antioxidant-related genes in flavedo of cold-stored grapefruit ( <i>Citrus paradisi</i> Macfad cv. Rio Red) treated with pectic oligosaccharides. <b>2019</b> , 243, 274-280	9
398	Galectin-3 binds selectively to the terminal, non-reducing end of $\beta(1\rightarrow4)$ -galactans, with overall affinity increasing with chain length. <b>2019</b> , 29, 74-84	7
397	Influence of enzymatic and acidic demethoxylation on structure formation in sugar containing citrus pectin gels. <b>2019</b> , 89, 207-215	14
396	Flax rhamnogalacturonan lyases: phylogeny, differential expression and modeling of protein structure. <b>2019</b> , 167, 173-187	6
395	MB2003 Competes Effectively for Soluble Sugars Released by B316 during Growth on Xylan or Pectin. <b>2019</b> , 85,	15
394	Nonthermal plasma: A promising green technology to improve environmental performance of textile industries. <b>2019</b> , 199-249	8
393	Pectin Removal and Clarification of Juices. <b>2019</b> , 155-194	3
392	Pectin acetylerase PAE5 is associated with the virulence of plant pathogenic oomycete <i>Peronophythora litchii</i> . <b>2019</b> , 106, 16-22	18
391	Biochemical Reconstruction of a Metabolic Pathway from a Marine Bacterium Reveals Its Mechanism of Pectin Depolymerization. <b>2019</b> , 85,	14



390	Pectin in Foods. <b>2019</b> , 208-213	
389	Immunomodulatory effect of natural and modified Citrus pectin on cytokine levels in the spleen of BALB/c mice. <b>2019</b> , 121, 1-5	28
388	Pectic polysaccharides from hawthorn: Physicochemical and partial structural characterization. <b>2019</b> , 90, 146-153	23
387	Bio-Nanocomposites for Food Packaging Applications. <b>2020</b> , 29-41	2
386	Apple pomace from variety Blanca de Asturias as a sustainable source of pectin: Composition, rheological, and thermal properties. <b>2020</b> , 117, 108641	25
385	Physicochemical properties of pectin from Malus domestica 'Elcienil' apple pomace as affected by non-conventional extraction techniques. <b>2020</b> , 100, 105383	42
384	Rethinking the impact of RG-I mainly from fruits and vegetables on dietary health. <b>2020</b> , 60, 2938-2960	36
383	RG-I galactan side-chains are involved in the regulation of the water-binding capacity of potato cell walls. <b>2020</b> , 227, 115353	12
382	Binding kinetics of blueberry pectin-anthocyanins and stabilization by non-covalent interactions. <b>2020</b> , 99, 105354	20
381	Chemical composition of cell walls in velamentous roots of epiphytic Orchidaceae. <b>2020</b> , 257, 103-118	6
380	Role of rheology on the formation of Nanofibers from pectin and polyethylene oxide blends. <b>2020</b> , 137, 48294	8
379	Improving viscosity and gelling properties of leaf pectin by comparing five pectin extraction methods using green tea leaf as a model material. <b>2020</b> , 98, 105246	21
378	Guided dietary fibre intake as a means of directing short-chain fatty acid production by the gut microbiota. <b>2020</b> , 50, 434-455	13
377	Structural, rheological and functional properties of galactose-rich pectic polysaccharide fraction from leek. <b>2020</b> , 229, 115549	18
376	Overexpression of a pectin methylesterase gene PtoPME35 from Populus tomentosa influences stomatal function and drought tolerance in Arabidopsis thaliana. <b>2020</b> , 523, 416-422	2
375	The GATA transcription factor GNC plays an important role in photosynthesis and growth in poplar. <b>2020</b> , 71, 1969-1984	31
374	Influence of cell wall polymers and their modifying enzymes during plant-aphid interactions. <b>2020</b> , 71, 3854-3864	13
373	Pectin extracted from persimmon peel: A physicochemical characterization and emulsifying properties evaluation. <b>2020</b> , 101, 105561	37

372	Assembly of tomato fruit cuticles: a cross-talk between the cutin polyester and cell wall polysaccharides. <b>2020</b> , 226, 809-822	28
371	Drought Disrupts Auxin Localization in Abscission Zone and Modifies Cell Wall Structure Leading to Flower Separation in Yellow Lupine. <b>2020</b> , 21,	2
370	Fructuronate-tagaturonate epimerase UxaE from <i>Cohnella laeviribosi</i> has a versatile TIM-barrel scaffold suitable for a sugar metabolizing biocatalyst. <b>2020</b> , 163, 1369-1374	1
369	Emerging trends in pectin extraction and its anti-microbial functionalization using natural bioactives for application in food packaging. <b>2020</b> , 105, 223-237	27
368	Protein Phosphatase Mediated Responses in Plant Host-Pathogen Interactions. <b>2020</b> , 289-330	1
367	Pectin Structure. <b>2020</b> , 17-36	6
366	Post-Synthetic Reduction of Pectin Methylesterification Causes Morphological Abnormalities and Alterations to Stress Response in. <b>2020</b> , 9,	3
365	Functional analysis of PpRHM1 and PpRHM2 involved in UDP-l-rhamnose biosynthesis in <i>Prunus persica</i> . <b>2020</b> , 155, 658-666	3
364	Biorefinery Approach for Aerogels. <b>2020</b> , 12,	11
363	The Role of Wall-Associated Kinases (WAKs) in Cell Expansion and Stress Responses. <b>2020</b> , 9,	4
362	Transformations and functional role of starch during potato crisp making: A review. <b>2020</b> , 85, 4118-4129	3
361	Polysaccharides catabolism by the human gut bacterium -: advances and perspectives. <b>2021</b> , 61, 3569-3588	13
360	Transcriptome Profiling-Based Analysis of Carbohydrate-Active Enzymes in Involved in Plant Biomass Degradation. <b>2020</b> , 8, 564527	2
359	Biodegradable superabsorbent with potential biomedical application as drug delivery system of Pectin-g-P(AN-co-AM)/chicken eggshell bio-composite. <b>2020</b> , 78, 6337	
358	Differential localization of cell wall polymers across generations in the placenta of <i>Marchantia polymorpha</i> . <b>2020</b> , 133, 911-924	2
357	Principal component analysis facilitated fast and noninvasive Raman spectroscopic imaging of plant cell wall pectin distribution and interaction with enzymatic hydrolysis. <b>2020</b> , 51, 2458-2467	3
356	Characterization of two extracellular arabinanases in <i>Lactobacillus crispatus</i> . <b>2020</b> , 104, 10091-10103	2
355	Demystifying thickener classes food additives through molecular gastronomy. <b>2020</b> , 22, 100262	4

354	Identification of two compounds able to improve flax resistance towards <i>Fusarium oxysporum</i> infection. <b>2020</b> , 301, 110690	2
353	Possible effects of leaf tissue characteristics of oilseed rape <i>Brassica napus</i> on probing and feeding behaviors of cabbage aphids <i>Brevicoryne brassicae</i> . <b>2020</b> , 14, 733-744	2
352	Interactions between cell wall polysaccharides and polyphenols: Effect of molecular internal structure. <b>2020</b> , 19, 3574-3617	47
351	The Effect of Different Extraction Conditions on the Physical Properties, Conformation and Branching of Pectins Extracted from <i>Cucumis melo Inodorus</i> . <b>2020</b> , 1, 3-20	2
350	Arabinoxylan-Oligosaccharides Act as Damage Associated Molecular Patterns in Plants Regulating Disease Resistance. <b>2020</b> , 11, 1210	19
349	Noble Metal Nanoparticles in Pectin Matrix. Preparation, Film Formation, Property Analysis, and Application in Electrocatalysis. <b>2020</b> , 5, 23909-23918	4
348	Use of Ionic Liquids and Deep Eutectic Solvents in Polysaccharides Dissolution and Extraction Processes towards Sustainable Biomass Valorization. <b>2020</b> , 25,	38
347	Dietary fiber components, microstructure, and texture of date fruits ( <i>Phoenix dactylifera</i> , L.). <b>2020</b> , 10, 21767	12
346	Plant Xyloglucan Xyloglucosyl Transferases and the Cell Wall Structure: Subtle but Significant. <b>2020</b> , 25,	9
345	Pulsed electric field and mild thermal processing affect the cooking behaviour of carrot tissues ( <i>Daucus carota</i> ) and the degree of methylesterification of carrot pectin. <b>2020</b> , 66, 102483	11
344	Effect of codon optimization and promoter choice on recombinant endo-polygalacturonase production in <i>Pichia pastoris</i> . <b>2020</b> , 139, 109589	8
343	Pectin modifications in raw fruits alter texture of plant cell dispersions. <b>2020</b> , 107, 105962	10
342	Rice Putative Methyltransferase Gene Is Required for Pistil Development Involving Pectin Modification. <b>2020</b> , 11, 475	8
341	Fabrication of Pd NPs on pectin-modified FeO NPs: A magnetically retrievable nanocatalyst for efficient C-C and C-N cross coupling reactions and an investigation of its cardiovascular protective effects. <b>2020</b> , 160, 1252-1262	33
340	Cell wall O-acetyl and methyl esterification patterns of leaves reflected in atmospheric emission signatures of acetic acid and methanol. <b>2020</b> , 15, e0227591	4
339	The Role of Mechanoperception in Plant Cell Wall Integrity Maintenance. <b>2020</b> , 9,	24
338	Three highly acidic Equisetum XTHs differ from hetero-trans- $\beta$ -glucanase in donor substrate specificity and are predominantly xyloglucan homo-transglucosylases. <b>2020</b> , 251, 153210	7
337	Pectins as a universal medicine. <b>2020</b> , 146, 104676	28

336	Extraction and Characterization of Pectins From Peels of Criolla Oranges ( <i>Citrus sinensis</i> ): Experimental Reviews. <b>2020</b> ,	4
335	Structure-activity relationship of Citrus segment membrane RG-I pectin against Galectin-3: The galactan is not the only important factor. <b>2020</b> , 245, 116526	20
334	Extraction and Purification of Pectin from Agro-Industrial Wastes. <b>2020</b> ,	3
333	Biological mechanisms of cadmium accumulation in edible Amaranth ( <i>Amaranthus mangostanus</i> L.) cultivars promoted by salinity: A transcriptome analysis. <b>2020</b> , 262, 114304	9
332	Identification and characterization of pectin related gene NbGAE6 through virus-induced gene silencing in <i>Nicotiana benthamiana</i> . <b>2020</b> , 741, 144522	1
331	Response Regulator 6 (ARR6) Modulates Plant Cell-Wall Composition and Disease Resistance. <b>2020</b> , 33, 767-780	20
330	Plant Cell Walls: Impact on Nutrient Bioaccessibility and Digestibility. <b>2020</b> , 9,	42
329	Ageing, dehulling and cooking of Bambara groundnuts: consequences for mineral retention and in vitro bioaccessibility. <b>2020</b> , 11, 2509-2521	16
328	Cell Wall Composition and Ultrastructural Immunolocalization of Pectin and Arabinogalactan Protein during <i>Olea europaea</i> L. Fruit Abscission. <b>2020</b> , 61, 814-825	3
327	Interfacial properties of ultrahigh methoxylated pectin. <b>2020</b> , 152, 403-410	5
326	ARABIDOPSIS DEHISCENCE ZONE POLYGALACTURONASE 1 (ADPG1) releases latent defense signals in stems with reduced lignin content. <b>2020</b> , 117, 3281-3290	29
325	Natural Variation in Lignin and Pectin Biosynthesis-Related Genes in Switchgrass ( <i>Panicum virgatum</i> L.) and Association of SNP Variants with Dry Matter Traits. <b>2020</b> , 13, 79-99	0
324	Evo-physio: on stress responses and the earliest land plants. <b>2020</b> , 71, 3254-3269	45
323	The mutation of a PECTATE LYASE-LIKE gene is responsible for the Yellow Margin phenotype in potato. <b>2020</b> , 133, 1123-1131	3
322	Casein and pectin: Structures, interactions, and applications. <b>2020</b> , 97, 391-403	101
321	Role of Pectin in Food Processing and Food Packaging. <b>2020</b> ,	17
320	Mechanical stimulation in <i>Brachypodium distachyon</i> : Implications for fitness, productivity, and cell wall properties. <b>2020</b> , 43, 1314-1330	8
319	Industrial Use of Cell Wall Degrading Enzymes: The Fine Line Between Production Strategy and Economic Feasibility. <b>2020</b> , 8, 356	16

318	Transcriptome analysis revealed cadmium accumulation mechanisms in hyperaccumulator <i>Siegesbeckia orientalis</i> L. <b>2020</b> , 27, 18853-18865	7
317	Carbohydrates-Key Players in Tobacco Aroma Formation and Quality Determination. <b>2020</b> , 25,	11
316	Recent progresses in the application of cellulose, starch, alginate, gum, pectin, chitin and chitosan based (nano)catalysts in sustainable and selective oxidation reactions: A review. <b>2020</b> , 241, 116353	86
315	Enzymes in Degradation of the Lignocellulosic Wastes. <b>2020</b> ,	2
314	Relations between digestibility and structures of pumpkin starches and pectins. <b>2020</b> , 106, 105894	18
313	Boron supply alleviates cadmium toxicity in rice ( <i>Oryza sativa</i> L.) by enhancing cadmium adsorption on cell wall and triggering antioxidant defense system in roots. <b>2021</b> , 266, 128938	26
312	Biodegradable Electrospayed Pectin Films: An Alternative to Valorize Coffee Mucilage. <b>2021</b> , 12, 2477-2494	9
311	<i>Penicillium oxalicum</i> secretomic analysis identify plant cell wall degrading enzymes important for fruit juice extraction. <b>2021</b> , 58, 1764-1775	0
310	Salt-tolerant broomcorn millet ( <i>Panicum miliaceum</i> L.) resists salt stress via modulation of cell wall biosynthesis and Na <sup>+</sup> balance. <b>2021</b> , 32, 518-532	7
309	Oligosaccharide is a promising natural preservative for improving postharvest preservation of fruit: A review. <b>2021</b> , 341, 128178	12
308	Molecular engineering to improve lignocellulosic biomass based applications using filamentous fungi. <b>2021</b> , 114, 73-109	5
307	Effects of high hydrostatic pressure on the binding capacity, interaction, and antioxidant activity of the binding products of cyanidin-3-glucoside and blueberry pectin. <b>2021</b> , 344, 128731	12
306	Characterization of fruit quality traits for organic acids content and profile in a large peach germplasm collection. <b>2021</b> , 278, 109865	9
305	Different Facets of Lignocellulosic Biomass Including Pectin and Its Perspectives. <b>2021</b> , 12, 4805-4823	12
304	A review of bast fibres and their composites: Part 4 ~ organisms and enzyme processes. <b>2021</b> , 140, 106149	9
303	The relationship between fluoride accumulation in tea plant and changes in leaf cell wall structure and composition under different fluoride conditions. <b>2021</b> , 270, 116283	2
302	Thermal inactivation of pectin methylesterase from different potato cultivars ( <i>Solanum tuberosum</i> L.). <b>2021</b> , 138, 110600	3
301	Production of low molecular weight pectins via electron beam irradiation and their potential prebiotic functionality. <b>2021</b> , 113, 106551	10

300	Extraction and characterization of high methoxyl pectin from <i>Citrus maxima</i> peels using different organic acids. <b>2021</b> , 15, 1541-1546	4
299	Biopolymers and nanostructured materials to develop pectinases-based immobilized nano-biocatalytic systems for biotechnological applications. <b>2021</b> , 140, 109979	18
298	Fate of polyphenols in forward osmosis. <b>2021</b> , 621, 118993	5
297	Role of pectin in the current trends towards low-glycaemic food consumption. <b>2021</b> , 140, 109851	15
296	Starch, cellulose, pectin, gum, alginate, chitin and chitosan derived (nano)materials for sustainable water treatment: A review. <b>2021</b> , 251, 116986	174
295	Synthesis of Uronic Acid Containing Oligosaccharides. <b>2021</b> , 200-227	1
294	Pectin-based nanomaterials in drug delivery applications. <b>2021</b> , 87-117	0
293	Eco-friendly Microbial Biopolymers: Recent Development, Biodegradation, and Applications. <b>2021</b> , 547-577	
292	A Pipeline towards the Biochemical Characterization of the GT14 Family. <b>2021</b> , 22,	2
291	Composition of plant biomass and its impact on pretreatment. <b>2021</b> , 71-85	1
290	FUT4 and FUT6 Are Arabinofuranose-Specific Fucosyltransferases. <b>2021</b> , 12, 589518	1
289	Characterization of tissue-specific differences in cell wall pectic polysaccharides of carrot root. <b>2021</b> , 45, e15331	
288	Impact of <i>Meloidogyne incognita</i> (nematode) infection on root tissues and cell wall composition of okra ( <i>Abelmoschus esculentus</i> L. Moench, Malvaceae). <b>2021</b> , 258, 979-990	1
287	Structural Alteration of Rice Pectin Affects Cell Wall Mechanical Strength and Pathogenicity of the Rice Blast Fungus Under Weak Light Conditions. <b>2021</b> , 62, 641-649	3
286	A Highly Efficient Biocatalytic Conversion of Renewable Pectic Polysaccharide Biomass into Bioactive Oligogalacturonides. <b>2021</b> , 1, 338-346	1
285	Fast Identification of Food Thickeners by Nontargeted NMR-Spectroscopy. <b>2021</b> , 69, 3761-3775	0
284	Aggregation and weak gel formation by pectic polysaccharide homogalacturonan. <b>2021</b> , 256, 117566	6
283	<i>Arabidopsis AtPME2</i> has a pH-dependent processivity and control cell wall mechanical properties.	1

282	Rare Sugars: Recent Advances and Their Potential Role in Sustainable Crop Protection. <b>2021</b> , 26,	11
281	Development of an Affordable, Sustainable and Efficacious Plant-Based Immunomodulatory Food Ingredient Based on Bell Pepper or Carrot RG-I Pectic Polysaccharides. <b>2021</b> , 13,	5
280	The transcriptional landscape of <i>Arabidopsis thaliana</i> pattern-triggered immunity. <b>2021</b> , 7, 579-586	35
279	The Calix Tube and Floral Nectar Tissue in <i>Passiflora L.</i> : What Can they Tell us about the Flower Structure Evolution?. 1	
278	Exploring interactions between pectins and procyanidins: Structure-function relationships. <b>2021</b> , 113, 106498	8
277	Extraction of Pectin from Satsuma Mandarin Orange Peels by Combining Pressurized Carbon Dioxide and Deionized Water: a Green Chemistry Method. <b>2021</b> , 14, 1341-1348	2
276	Chemical composition of cell wall changes during developmental stages of galls on <i>Matayba guianensis</i> (Sapindaceae): perspectives obtained by immunocytochemistry analysis. <b>2021</b> , 108, 16	0
275	Mutation of an <i>Arabidopsis</i> Golgi membrane protein ELMO1 reduces cell adhesion. <b>2021</b> , 148,	1
274	Citrus Pomace Biomass as a Source of Pectin and Lignocellulose Fibers: From Waste to Upgraded Biocomposites for Mulching Applications. <b>2021</b> , 13,	10
273	Characterization, prebiotic and immune-enhancing activities of rhamnogalacturonan-I-rich polysaccharide fraction from molokhia leaves. <b>2021</b> , 175, 443-450	7
272	Rhamnogalacturonan II: Chemical Synthesis of a Substructure Including $\beta$ ,3-Linked Kdo*. <b>2021</b> , 27, 7099-7102	0
271	Impact of Huanglongbing (HLB) on grapefruit pectin yield and quality during grapefruit maturation. <b>2021</b> , 113, 106553	2
270	Book review. <b>2021</b> , 25, 100244	0
269	Structural study of a pectic polysaccharide fraction isolated from "mountain tea" ( <i>Sideritis scardica</i> Griseb.). <b>2021</b> , 260, 117798	12
268	Perception and first defense responses against pv. in <i>L.</i> : identification of Wall-Associated Kinase receptors. <b>2021</b> ,	2
267	Nanoencapsulation of anthocyanins from blackberry ( <i>Rubus spp.</i> ) through pectin and lysozyme self-assembling. <b>2021</b> , 114, 106563	7
266	Applications of Polysaccharides in Controlled Release Drug Delivery System. <b>2021</b> , 607-656	0
265	Preparation and Applications of Polysaccharide-Based Composites. <b>2021</b> , 543-572	1

264	Unraveling a Lignocellulose-Decomposing Bacterial Consortium from Soil Associated with Dry Sugarcane Straw by Genomic-Centered Metagenomics. <b>2021</b> , 9,	6
263	Continuous and pulsed ultrasound pectin extraction from navel orange peels. <b>2021</b> , 73, 105480	10
262	Comparison of Analytical Methods for Determining Methylesterification and Acetylation of Pectin. <b>2021</b> , 11, 4461	1
261	Applications of Polysaccharides in Nutrition and Medicine. <b>2021</b> , 657-682	
260	Characterization of the pectin methylesterase inhibitor gene family in Rosaceae and role of PbrPMEI23/39/41 in methylesterified pectin distribution in pear pollen tube. <b>2021</b> , 253, 118	3
259	Structural Characterization of Pectic Polysaccharides in the Cell Wall of Stevens Variety Cranberry Using Highly Specific Pectin-Hydrolyzing Enzymes. <b>2021</b> , 13,	0
258	A review of the immunomodulatory activities of polysaccharides isolated from species.. <b>2022</b> , 46, 23-32	3
257	Enzymatically produced pectic-oligosaccharides from fruit waste of Citrus reticulata (mandarin) peels display cytotoxicity against colon cancer cells. <b>2021</b> , 15, 100740	1
256	Production of pectic-oligosaccharides from pomelo peel pectin by oxidative degradation with hydrogen peroxide. <b>2021</b> , 348, 129078	8
255	Pectic polysaccharides from Radix Sophorae Tonkinensis exhibit significant antioxidant effects. <b>2021</b> , 262, 117925	5
254	Building a Flower: The Influence of Cell Wall Composition on Flower Development and Reproduction. <b>2021</b> , 12,	1
253	Biodegradable packaging materials. 1	6
252	Apple puree's texture is independent from fruit firmness. <b>2021</b> , 145, 111324	3
251	A simple procedure to obtain a medium-size oligogalacturonic acids fraction from orange peel and apple pomace wastes. <b>2021</b> , 346, 128909	3
250	Effect of pulsed electric field and mild thermal processing on texture-related pectin properties to better understand carrot (Daucus carota) texture changes during subsequent cooking. <b>2021</b> , 70, 102700	7
249	Aggregative and structural properties of wheat gluten induced by pectin. <b>2021</b> , 100, 103247	5
248	Structural characteristics of three pectins isolated from white kidney bean. <b>2021</b> , 182, 2151-2161	2
247	Characterization of Citrus Pectin Oligosaccharides and Their Microbial Metabolites as Modulators of Immunometabolism on Macrophages. <b>2021</b> , 69, 8403-8414	1



246	Anti-inflammatory activity of citrus pectin on chicken monocytes' immune response. <b>2021</b> , 237, 110269	1
245	Naturally Occurring Polyelectrolytes and Their Use for the Development of Complex-Based Mucoadhesive Drug Delivery Systems: An Overview. <b>2021</b> , 13,	5
244	Extraction, Characterization, and Applications of Pectins from Plant By-Products. <b>2021</b> , 11, 6596	11
243	Effects of interactions between polygalacturonase and pesticide residues during enzymatic hydrolysis on the yield of apple juice. <b>2021</b> , 147, 111562	3
242	Rice Putative Pectin Methyltransferase Gene OsPMT10 is Required for Maintaining the Cell Wall Properties of Pistil Transmitting Tissues via Pectin Modification. <b>2021</b> ,	3
241	Recent Advances in Extraction, Techno-functional Properties, Food and Therapeutic Applications as Well as Safety Aspects of Natural and Modified Stabilizers. 1-44	2
240	The Whimsical History of Proposed Motors for Diatom Motility. <b>2021</b> , 335-420	2
239	The placenta of : transfer cell wall polymers compared across the three bryophyte groups.. <b>2021</b> , 13,	1
238	AtENO2 functions in the development of male gametophytes in Arabidopsis thaliana. <b>2021</b> , 263, 153417	1
237	Natural capsule in food plants: Cell wall porosity controls starch digestion and fermentation. <b>2021</b> , 117, 106657	12
236	Cell wall associated immunity in plants. <b>2021</b> , 1, 1	1
235	Evolution of pectin synthesis relevant galacturonosyltransferase gene family and its expression during cotton fiber development. <b>2021</b> , 4,	1
234	A novel photoelectrochemical system to disrupt microalgae for maximizing lipid-extraction efficiency. <b>2021</b> , 420, 130517	6
233	Oligosaccharins as Elicitors of Defense Responses in Wheat. <b>2021</b> , 13,	5
232	miR775 integrates light, sucrose and auxin associated pathways to regulate root growth in Arabidopsis thaliana. <b>2021</b> , 313, 111073	1
231	Elucidation of the microstructure of an immuno-stimulatory polysaccharide purified from Korean red ginseng using sequential hydrolysis. <b>2021</b> , 186, 13-22	1
230	Tomato Prosystemin is much more than a simple Systemin precursor.	
229	Pulsed electric field combined with microwave-assisted extraction of pectin polysaccharide from jackfruit waste. <b>2021</b> , 102844	10

228	Two galacturonosyltransferases function in plant growth, stomatal development, and dynamics. <b>2021</b> , 187, 2820-2836	1
227	Hemicellulose-remodelling transglycanase activities from charophytes: towards the evolution of the land-plant cell wall. <b>2021</b> , 108, 7-28	2
226	Supplemental calcium improves freezing tolerance of spinach ( <i>Spinacia oleracea</i> L.) by mitigating membrane and photosynthetic damage, and bolstering anti-oxidant and cell-wall status. <b>2021</b> , 288, 110212	0
225	A method for quantitative characterization of incomplete degradation products of polygalacturonic acid. <b>2021</b> , 188, 343-349	0
224	A pectin methyltransferase modulates polysaccharide dynamics and interactions in Arabidopsis primary cell walls: Evidence from solid-state NMR. <b>2021</b> , 270, 118370	4
223	Amplification, sequencing and characterization of pectin methyl esterase inhibitor 51 gene in L.f. <b>2021</b> , 28, 5451-5460	
222	Delineating the inherent functional descriptors and biofunctionalities of pectic polysaccharides. <b>2021</b> , 269, 118319	9
221	Boron application mitigates Cd toxicity in leaves of rice by subcellular distribution, cell wall adsorption and antioxidant system. <b>2021</b> , 222, 112540	4
220	Physiological and Proteomic Analyses Reveal Effects of Putrescine-Alleviated Aluminum Toxicity in Rice Roots. <b>2021</b> , 28, 579-593	2
219	Pectin degradation accounts for apple tissue fragmentation during thermomechanical-mediated puree production. <b>2021</b> , 120, 106885	0
218	Pomelo pectin and fiber: Some perspectives and applications in food industry. <b>2021</b> , 120, 106981	3
217	Red pomelo peel pectin based edible composite films: Effect of pectin incorporation on mechanical, structural, morphological and thermal properties of composite films. <b>2022</b> , 123, 107135	10
216	Pectin from butternut squash ( <i>Cucurbita moschata</i> ) □The effect of enzyme-assisted extractions on fiber characteristics and properties. <b>2022</b> , 123, 107201	2
215	Environmental applications of biopolymer-based (nano)materials. <b>2021</b> , 517-572	1
214	Multiscale structural and rheological features of colloidal low-methoxyl pectin solutions and calcium-induced sol-gel transition. <b>2021</b> , 23, 19269-19279	2
213	Recent progress in and prospects for supercapacitor materials based on metal oxide or hydroxide/biomass-derived carbon composites.	4
212	Dried Pears: Phytochemicals and Potential Health Effects. 325-356	1
211	Impact of Cell-wall Structure and Composition on Plant Freezing Tolerance. 607-642	1

210	Enzymatic Modification of Plant Cell Wall Polysaccharides. 367-387	2
209	Approaches to Chemical Synthesis of Pectic Oligosaccharides. 65-92	4
208	Inositol and plant cell wall polysaccharide biogenesis. <b>2006</b> , 39, 21-45	23
207	Improvement of fibre and composites for new markets. <b>2007</b> , 155-180	5
206	Biomass Conversion. <b>2012</b> , 1249-1322	3
205	Antioxidant, Antimicrobial, Analgesic, Anti-inflammatory and Antipyretic Effects of Bioactive Compounds from Passiflora Species. <b>2019</b> , 243-274	0
204	Role of Plant Bioactives in Sustainable Agriculture. <b>2020</b> , 591-605	1
203	Plant Cell Wall Polysaccharides: Structure and Biosynthesis. <b>2014</b> , 1-47	4
202	Pectin Cell Biology: Complexity in Context. <b>2003</b> , 147-157	1
201	Development of a Valencia Orange Pectin Methyltransferase for Generating Novel Pectin Products. <b>2003</b> , 345-361	7
200	Differences in the Methyl Ester Distribution of Pectins. <b>2003</b> , 75-90	2
199	The Extremely Thermophilic Genus Caldicellulosiruptor: Physiological and Genomic Characteristics for Complex Carbohydrate Conversion to Molecular Hydrogen. <b>2014</b> , 177-195	5
198	Recent Advances in Biodegradable Films, Coatings and Their Applications. <b>2017</b> , 271-296	1
197	Chapter 2:Natural Polymer Resources: Isolation, Separation and Characterization. <b>2011</b> , 15-47	1
196	Impairment of leaf hydraulics in young plants of Citrus aurantium (sour orange) infected by Phoma tracheiphila. <b>2007</b> , 34, 720-729	9
195	ERF4 and MYB52 transcription factors play antagonistic roles in regulating homogalacturonan de-methyltransferase activity in Arabidopsis seed coat mucilage. <b>2021</b> , 33, 381-403	7
194	The transcriptional landscape of Arabidopsis thaliana pattern-triggered immunity.	2
193	Arabidopsis root responses to salinity depend on pectin modification and cell wall sensing.	2

192	Highly clade-specific biosynthesis of rhamnose: present in all plants and in only 42% of prokaryotes. Only Pseudomonas uses both D- and L-rhamnose.	1
191	Cellulases, Hemicellulases, and Pectinases. 596-610	1
190	Thermal reactivity of hemicellulose and cellulose in cedar and beech wood cell walls. <b>2020</b> , 66,	12
189	The pectin lyases in Arabidopsis thaliana: evolution, selection and expression profiles. <b>2012</b> , 7, e46944	54
188	Simulation of force spectroscopy experiments on galacturonic acid oligomers. <b>2014</b> , 9, e107896	14
187	How Does Alkali Aid Protein Extraction in Green Tea Leaf Residue: A Basis for Integrated Biorefinery of Leaves. <b>2015</b> , 10, e0133046	13
186	The Grapevine VvPME1 Gene Encodes a Novel Functional Pectin Methyl Esterase Inhibitor Associated to Grape Berry Development. <b>2015</b> , 10, e0133810	23
185	Activity of endo-polygalacturonases in mirid bugs (Heteroptera: Miridae) and their inhibition by plant cell wall proteins (PGIPs). <b>2006</b> , 103, 515-522	36
184	The architecture of Phaseolus vulgaris root is altered when a defense response is elicited by an oligogalacturonide. <b>2006</b> , 18, 351-355	5
183	Profiling of Nondigestible Carbohydrate Products in a Complete Set of Alien Monosomic Addition Lines Explains Genetic Controls of Its Metabolisms in Allium cepa. <b>2009</b> , 134, 521-528	2
182	Therapeutic Strategies to Protect the Central Nervous System against Shiga Toxin from Enterohemorrhagic. <b>2021</b> , 19, 24-44	3
181	The effects of (Chinese hawthorn) on metabolic syndrome: A review. <b>2019</b> , 22, 460-468	19
180	A Novel Pectic Polysaccharide of Jujube Pomace: Structural Analysis and Intracellular Antioxidant Activities. <b>2020</b> , 9,	11
179	Inhibitory Effects of Pectic Polysaccharide Isolated from Leaves on Tumor Cell Angiogenesis via VEGF and MMP-9 Regulation. <b>2020</b> , 13,	3
178	Cloning and Tissue Expression of Important Enzyme Gene UGlCAE in Ramie Pectin Biosynthesis. <b>2009</b> , 34, 1938-1945	1
177	Healing and preventive effects of low-esterified pectin on liver injury induced by carbon tetrachloride in rats. <b>2004</b> , 4, 28-36	7
176	Characterization of Anti-Complementary Polysaccharides Isolated from Fruit Wine Using Korean Pears. <b>2011</b> , 40, 63-69	3
175	Convenient Method for Selective Isolation of Immuno-Stimulating Polysaccharides from Persimmon Leaves. <b>2016</b> , 45, 52-60	1

174	Biochemical and Molecular Characterization of Cell Wall Degrading Enzyme, Pectin Methylesterase Versus Banana Ripening: An Overview. <b>2016</b> , 9, 1-23	11
173	Host Defense Mechanisms During Fungal Pathogenesis and how these are Overcome in Susceptible Plants: A Review. <b>2017</b> , 13, 82-102	12
172	Modified Pectin Compounds Exert Different Effects on Ehrlich Ascites Tumor Cells and Lewis Lung Carcinoma and on Efficiency of Cyclophosphamide in Mice. <b>2007</b> , 7, 383-389	4
171	Diversity in $\beta$ -galactosidase Specificities within Bifidobacterium: Towards an Understanding of $\beta$ -Galactoside Metabolism in the Gut Niche (Jpn. Ed.). <b>2015</b> , 27, J9-J12	1
170	Systemic Activation of Defensive Enzymes and Protection in Tobacco Plantlets against $\beta$ -Phytophthora nicotianae Induced by Oligosaccharins. <b>2014</b> , 05, 3354-3363	1
169	Rapid Isolation Method for Preparation of Immuno-Stimulating Rhamnogalacturonans in Citrus Peels. <b>2015</b> , 47, 286-292	6
168	Progresses in chitin, chitosan, starch, cellulose, pectin, alginate, gelatin and gum based (nano)catalysts for the Heck coupling reactions: A review. <b>2021</b> , 192, 771-819	9
167	Pectic polysaccharides extracted from sesame seed hull: Physicochemical and functional properties. <b>2021</b> , 192, 1075-1083	3
166	Cell-Wall Polysaccharides. <b>2006</b> , 129-166	
165	Copper binding capacity and physicochemical properties of pectins with different degrees of esterification. Approach to standardization of pectin preparations. <b>2007</b> , 7, 171-181	
164	Cell Wall Degradation and Fortification. <b>2007</b> ,	
163	Perception and Transduction of Pathogen Signals in Plants. <b>2007</b> ,	
162	Soybean Components Affect Physicochemical Properties of Soymilk, Coagulation Reactivity and Tofu Texture. <b>2010</b> , 255-276	3
161	Effect of Enzymatic Reactions on Texture of Fruits and Vegetables. <b>2010</b> , 71-122	
160	Fungal Degradation of Plant Bacterial Strategies for Plant. <b>2011</b> ,	
159	Biopolymers. <b>2012</b> , 17-68	
158	Immuno-stimulating Activities of Mannose-rich Polysaccharides Isolated from Korean Black Raspberry Wine. <b>2012</b> , 44, 343-349	2
157	Biologia de Sistemas de Pectinases do Fungo Moniliophthora perniciosa. <b>2013</b> , 11, 27-30	

- 156 Avalia da Capacidade de Extra de Pectina da Casca do MaracujAmarelo (*Passiflora edulis* f. *flavicarpa*) em Mesa Agitadora e Ultrassom Associada □AB de ido Crico. 1
- 155 Chemical Properties and Immuno-Stimulating Activities of Crude Polysaccharides from Enzyme Digests of Tea Leaves. **2015**, 44, 664-672
- 154 Sustainable Polymers: A Perspective to the Future. **2016**, 29-46
- 153 THE DEVELOPMENT OF CRYOGENIC METHOD OF DEEP TREATMENT OF INULIN-CONTAINING VEGETABLES (TOPINAMBOUR) AND OBTAINING OF PREBIOTICS IN THE NANOPOWDERS FORM. **2016**, 3, 36-43 2
- 152 Polysaccharide-Based Nanoparticles as Drug Delivery Systems. **2016**, 641-682 0
- 151 Chapter 4 Cell-Wall Polysaccharides: Structural, Chemical, and Analytical Aspects. **2016**, 147-192
- 150 Pre- and Probiotics: Using Functional Foods in the Fight Against Microbial Resistance to Antibiotics. **2019**, 397-425
- 149 Plant-Microbe Interaction: Gene-to-Metabolite Network. **2019**, 75-100 2
- 148 Electric Signaling and Long-Distance Communication in Plants. **2019**, 509-535 0
- 147 Producing of apple pectin with citric acid. **2019**, 2019,
- 146 The cell-wall-localised BETA-XYLOSIDASE 4 contributes to immunity of Arabidopsis against Botrytis cinerea.
- 145 Cell wall O-acetyl and methyl esterification patterns of leaves reflected in atmospheric emission signatures of acetic acid and methanol.
- 144 Metabolomics Analysis Reveals Major Differential Metabolites and Metabolic Alterations in Tea Plant Leaves (*Camellia sinensis* L.) Under Different Fluorine Conditions. **2021**, 40, 798-810 1
- 143 Investigation on Structural Prediction of Pectate Lyase Enzymes from Different Microbes and Comparative Docking Studies with Pectin: The Economical Waste from Food Industry. 1-12 1
- 142 The Combined Effects of Precision-Controlled Temperature and Relative Humidity on Artificial Ripening and Quality of Date Fruit. **2021**, 10, 1
- 141 Emerging trends on the role of recombinant pectinolytic enzymes in industries- an overview. **2021**, 38, 102200 1
- 140 Degumming methods for bast fibers□ mini review. **2021**, 174, 114158 2
- 139 Early development of epiphytic roots: perspectives based on the composition of the velamen cell wall. **2020**, 34, 633-644 0

- 138 Chemistry of herbal biomolecules. **2022**, 63-79
- 137 Nutritional Physiology. **2020**, 395-424
- 136 Pectinase in Degradation of Lignocellulosic Wastes. **2020**, 71-103
- 135 Chemical Composition and Biosynthesis of Dietary Fiber Components. **2020**, 15-43 0
- 134 Rhamnogalacturonan I-rich polysaccharide isolated from fermented persimmon fruit increases macrophage-stimulatory activity by activating MAPK and NF- $\kappa$ B signaling. **2021**, 0
- 133 Cadmium adsorption in leaf cell walls prevents redistribution to silique in *Arabidopsis thaliana* ecotypes Jm-1 and Kyo-0. **2021**, 104690 0
- 132 Pectins from various sources inhibit galectin-3-related cardiac fibrosis. **2021**, 70, 103321 0
- 131 Alginate with citrus pectin and pterostilbene as healthy food packaging with antioxidant property. **2021**, 2
- 130 Structure and functionality of Rhamnogalacturonan I in the cell wall and in solution: A review.. **2022**, 278, 118909 5
- 129 Chemical characterization of sapwood and heartwood of *Fraxinus angustifolia* growing in Algeria. 1-11 0
- 128 Membrane Vesicles of as an Effective Protein Secretion System. **2021**, 22, 1
- 127 Purification, chemical analysis and inhibitory effects on galectin-3 of enzymatic pH-modified citrus pectin. **2021**, 12, 100169 0
- 126 Pre-Anthesis Cytokinin Applications Increase Table Grape Berry Firmness by Modulating Cell Wall Polysaccharides.. **2021**, 10, 2
- 125 Involvement of the Complex Polysaccharide Structure of Pectin in Regulation of Biological Functions. **2021**, 9, 221-232 0
- 124 of Host Resistance to Hemibiotrophs and. **2021**, 233-348
- 123 Structural characterization and in vitro anti-inflammatory estimation of an unusual pectin linked by rhamnogalacturonan I and xylogalacturonan from lotus plumule. **2021**, 194, 100-109 2
- 122 Composition and Chemical Structure of Hemicelluloses and Polysaccharides with Capability of Gel Formation. **2022**, 111-137
- 121 Mitigation effects of high methoxyl pectin on acrylamide formation in the Maillard model system.. **2022**, 378, 132095 2

120	Influence of silicon on polymerization process during lignin synthesis. Implications for cell wall properties.. <b>2021</b> , 198, 168-168	0
119	Effect of dietary fiber addition on the content and in vitro bioaccessibility of antioxidants in red raspberry puree.. <b>2021</b> , 375, 131897	2
118	Spatiotemporal Distribution of Homogalacturonans and Hemicelluloses in the Placentas, Ovules and Female Gametophytes of during Pollination.. <b>2022</b> , 11,	1
117	Tomato Prosystemin Is Much More than a Simple Systemin Precursor.. <b>2022</b> , 11,	0
116	Remodeling of Cell Wall Components in Root Nodules and Flower Abscission Zone under Drought in Yellow Lupine.. <b>2022</b> , 23,	0
115	Dietary Fiber in Plant Cell Walls The Healthy Carbohydrates.	1
114	Biochemical Characterization of Two Rhamnogalacturonan Lyases From ATCC 8483 With Preference for RG-I Substrates.. <b>2021</b> , 12, 799875	1
113	The Phaseolus vulgaris L. Yellow Bean Collection: genetic diversity and characterization for cooking time. <b>2022</b> , 69, 1627	0
112	Pectin from leaves of birch (Betula pendula Roth.): Results of NMR experiments and hypothesis of the RG-I structure.. <b>2022</b> , 284, 119186	1
111	Selenate regulates the activity of cell wall enzymes to influence cell wall component concentration and thereby affects the uptake and translocation of Cd in the roots of Brassica rapa L.. <b>2022</b> , 153156	0
110	Structure, physicochemical characterisation and properties of pectic polysaccharide from Premma puberula pamp.. <b>2022</b> , 107550	0
109	Effects of enzymatic treatment on the physicochemical properties and antioxidant activity of hawthorn pectin. <b>2022</b> , 30, 103225	3
108	Changes in Homogalacturonan Metabolism in Banana Peel during Fruit Development and Ripening.. <b>2021</b> , 23,	0
107	Functional Classification and Characterization of the Fungal Glycoside Hydrolase 28 Protein Family.. <b>2022</b> , 8,	0
106	Effects of polygalacturonase overexpression on pectin distribution in the elongation zones of roots under aluminium stress.. <b>2022</b> , 14, plac003	0
105	NMR-based identification of thickeners in membrane-filtered food premixtures.	
104	Characterisation of dragon fruit peel pectin extracted with natural deep eutectic solvent and sequential microwave-ultrasound-assisted approach.	0
103	Bioprospecting of microbial enzymes: current trends in industry and healthcare.. <b>2022</b> , 106, 1813	2



102	Cell-wall pectins in the roots of Apiaceae plants: adaptations to Cd stress. <b>2022</b> , 44, 1	1
101	Immobilization, biochemical, thermodynamic, and fruit juice clarification properties of lignocellulosic biomass-derived exo-polygalacturonase from <i>Penicillium paxilli</i> . 1	0
100	Homogalacturonan from squash: Characterization and tau-binding pattern of a sulfated derivative.. <b>2022</b> , 285, 119250	1
99	Green Husk of Walnuts ( <i>Juglans regia</i> L.) from Southern Italy as a Valuable Source for the Recovery of Glucans and Pectins. <b>2021</b> , 7, 305	1
98	<i>Oryza sativa</i> PECTIN DEFECTIVE TAPETUM1 affects anther development through a pectin-mediated signaling pathway in rice.. <b>2022</b> ,	
97	Cell wall-localized BETA-XYLOSIDASE4 contributes to immunity of <i>Arabidopsis</i> against <i>Botrytis cinerea</i> .. <b>2022</b> ,	0
96	Image_1.JPEG. <b>2020</b> ,	
95	Image_2.JPEG. <b>2020</b> ,	
94	Image_3.JPEG. <b>2020</b> ,	
93	Image_4.JPEG. <b>2020</b> ,	
92	Table_1.DOCX. <b>2020</b> ,	
91	Table_2.XLSX. <b>2020</b> ,	
90	Table_3.XLSX. <b>2020</b> ,	
89	Table_4.XLSX. <b>2020</b> ,	
88	Table_5.DOCX. <b>2020</b> ,	
87	Table_1.DOCX. <b>2018</b> ,	
86	Table_1.DOCX. <b>2019</b> ,	
85	Table_1.DOCX. <b>2019</b> ,	

84 DataSheet\_1.pdf. **2020**,

83 DataSheet\_2.pdf. **2020**,

82 DataSheet\_3.pdf. **2020**,

81 DataSheet\_4.pdf. **2020**,

80 Image\_1.tiff. **2020**,

79 Image\_2.tiff. **2020**,

78 Image\_3.tiff. **2020**,

77 Data\_Sheet\_1.PDF. **2020**,

76 Data\_Sheet\_2.PDF. **2020**,

75 Table\_1.DOCX. **2019**,

74 Dietary fiber in the prevention of obesity and obesity-related chronic diseases: From epidemiological evidence to potential molecular mechanisms.. **2022**, 1-16 2

73 and Are the Core Members of the Pectate Lyase Gene Family Involved in Peach Fruit Ripening and Softening.. **2022**, 13, 844055 2

72 Stereoselective Synthesis of a Tetrasaccharide Fragment from Rhamnogalacturonan II Side Chain A. 1

71 CORK1, a LRR-Malectin Receptor Kinase for Celooligomer Perception in Arabidopsis thaliana. 1

70 Water soluble extract of radish greens ameliorates high fat diet-induced obesity in mice and inhibits adipogenesis in preadipocytes. 0

69 Investigation of Thermal Conductivity and Sound Absorption Properties of Rice Straw Fiber/Polylactic Acid Biocomposite Material. 1-14 0

68 Synthesis of Four Orthogonally Protected Rare l-Hexose Thioglycosides from d-Mannose by C-5 and C-4 Epimerization. **2022**, 27, 3422 1

67 Fermentation of Vanilla Beans Enzymatic Hydrolysates after Aromatic Compounds Extraction. 77-89

66	Cell-wall microdomain remodeling controls crucial developmental processes. <b>2022,</b>	0
65	Extraction of Pectin from Satsuma Mandarin Peel: A Comparison of High Hydrostatic Pressure and Conventional Extractions in Different Acids. <b>2022, 27, 3747</b>	2
64	Effect of drying methods on the characterisation of pectin extracted from dried hawthorn fruit.	
63	Cell wall integrity regulation across plant species. <b>2022, 109, 483-504</b>	4
62	Recent trends in extraction, purification, and antioxidant activity evaluation of plant leave-extracted polysaccharides.	0
61	Review: Tertiary cell wall of plant fibers as a source of inspiration in material design. <b>2022, 119849</b>	1
60	Biodegradable Waste Streams. <b>2022, 69-153</b>	
59	A novel multiplex lateral flow assay for rapid assessment of pectin structural/functional properties. <b>2022, 107988</b>	0
58	SLMBP3 Knockout/down in Tomato: Normal-Sized Fruit with Increased Dry Matter Content through Non-Liquefied Locular Tissue by Altered Cell Wall Formation.	0
57	Analysis of Tissue-Specific Defense Responses to <i>Sclerotinia sclerotiorum</i> in <i>Brassica napus</i> . <b>2022, 11, 2001</b>	0
56	The regulation of the cell wall by glycosylphosphatidylinositol-anchored proteins in <i>Arabidopsis</i> . 10,	0
55	Signal Transduction in Non-climacteric Fruit Ripening.	0
54	Ethylene as a Multitasking Regulator of Abscission Processes. <b>2022, 49-81</b>	
53	The Impact of Cell Wall Feruloylation on Plant Growth, Responses to Environmental Stress, Plant Pathogens and Cell Wall Degradability. <b>2022, 12, 1847</b>	0
52	An integrated biorefinery process for mandarin peel waste elimination. <b>2022, 371, 133594</b>	1
51	Integrated transcriptomic and metabolomic analysis reveal mechanisms of disease resistance in apples induced by <i>Wickerhamomyces anomalus</i> . <b>2022, 173, 105005</b>	0
50	Upstream processes of citrus fruit waste biorefinery for complete valorization. <b>2022, 362, 127776</b>	1
49	PhRHMs play important roles in leaf and flower development and anthocyanin synthesis in <i>petunia</i> . <b>2022, 174,</b>	0

48	CORK1, A LRR-Malectin Receptor Kinase, Is Required for Celooligomer-Induced Responses in <i>Arabidopsis thaliana</i> . <b>2022</b> , 11, 2960	1
47	Polysaccharides from pinhõ seeds of <i>Araucaria angustifolia</i> : Extraction, isolation and structural characterization. <b>2023</b> , 115, 104888	0
46	Polysaccharide-based polyelectrolyte complex systems in drug delivery. <b>2023</b> , 177-210	0
45	A mini-review on the plant sources and methods for extraction of rhamnogalacturonan I. <b>2023</b> , 403, 134378	0
44	Structural characterization and anti-oxidation activity evaluation of pectin from <i>Lonicera japonica</i> Thunb.. 9,	0
43	Polymeric Compounds of Lingonberry Waste: Characterization of Antioxidant and Hypolipidemic Polysaccharides and Polyphenol-Polysaccharide Conjugates from <i>Vaccinium vitis-idaea</i> Press Cake. <b>2022</b> , 11, 2801	4
42	Plant Polysaccharide Array for Studying Carbohydrate-Binding Proteins. <b>2022</b> , 87, 890-902	0
41	The contributions of sporophytic tapetum to pollen formation. <b>2022</b> , 1, 1-13	0
40	Recent Innovations in the Strategies for the Functionalization of Chitosan, Pectin, Alginate, Hyaluronic Acid, Dextran and Inulin Biomaterials for Anticancer Applications-A Review.	0
39	A Comprehensive Review on Biopolymer Mediated Nanomaterial Composites and Their Applications in Electrochemical Sensors. 1-24	0
38	Phospholipase C6 Regulates HydroxyprolineO-arabinosyltransferase-mediated Pollen Tube Growth in <i>Arabidopsis</i> .	0
37	Pectin: A Bioactive Food Polysaccharide with Cancer Preventive Potential. <b>2022</b> , 27, 7405	0
36	Polysaccharides of <i>Salsola passerina</i> : Extraction, Structural Characterization and Antioxidant Activity. <b>2022</b> , 23, 13175	1
35	Influence of ethanol precipitation and ultrafiltration on the viscosity and gelling properties of alkaline-extracted pectin from tea residue.	0
34	Pectin-amino acid derivatives as highly efficient green inhibitors for the corrosion of N80 steel in CO <sub>2</sub> -saturated formation water. <b>2022</b> , 189, 115866	2
33	Characterisation of arabinogalactan endo $\alpha$ ,4 galactanases from <i>Globodera rostochiensis</i> , <i>Globodera pallida</i> and <i>Rotylenchulus reniformis</i> . <b>2023</b> , 123, 101930	0
32	Biostimulation can prime elicitor induced resistance of grapevine leaves to downy mildew. 13,	0
31	The structural, dynamical and biochemical characterizations of <i>Verticillium dahliae</i> pectate lyase, VdPelB, highlight its specificities.	0

- 30 Differential roles of SNAC4 and SNAC9 in ABA-mediated softening during tomato fruit ripening. **2023**, 310, 111685 ○
- 29 A thermotolerant and pH stable rhamnogalacturonan acylesterase (CtPae12B), a family 12 carbohydrate esterase from *Clostridium thermocellum* with broad substrate specificity. **2022**, ○
- 28 Mechanistic Understanding of the Effects of Pectin on In Vivo Starch Digestion: A Review. **2022**, 14, 5107 1
- 27 Sustainable and Flexible Energy Storage Devices: A Review. 1
- 26 Alginates Combined with Natural Polymers as Valuable Drug Delivery Platforms. **2023**, 21, 11 ○
- 25 Transcriptional alterations induced by *Nacobbus aberrans* in interaction with chili CM-334 and *Phytophthora capsici*. **2022**, 101942 ○
- 24 The specificity of pectate lyase VdPelB from *Verticilium dahliae* is highlighted by structural, dynamical and biochemical characterizations. **2023**, 123137 ○
- 23 Structural Insight into a Metal-Dependent Mutase Revealing an Arginine Residue-Covalently Mediated Interconversion between Nucleotide-Based Pyranose and Furanose. 1597-1603 ○
- 22 RGI-Type Pectic Polysaccharides Modulate Gut Microbiota in a Molecular Weight-Dependent Manner In Vitro. ○
- 21 Stellate Trichomes in *Dionaea muscipula* Ellis (Venus Flytrap) Traps, Structure and Functions. **2023**, 24, 553 ○
- 20 Plant polysaccharides in pharmaceutical tablets. **2023**, 83-102 ○
- 19 Plant polysaccharides-based multiple-units for oral drug delivery. **2023**, 171-193 ○
- 18 Nanoencapsulated anthocyanins: A new technological approach to increase physical-chemical stability and bioaccessibility. **2023**, 139, 108516 ○
- 17 Mechanisms of *Phaeocystis globosa* blooms in the Beibu Gulf revealed by metatranscriptome analysis. **2023**, 124, 102407 ○
- 16 Low-temperature plasma modification, structural characterization and anti-diabetic activity of an apricot pectic polysaccharide. **2023**, 240, 124301 ○
- 15 Structural characteristics and gel properties of pectin from citrus physiological premature fruit drop. **2023**, 309, 120682 ○
- 14 Cation-responsive food polysaccharides and their usage in food and pharmaceutical products for improved quality of life. **2023**, 141, 108675 ○
- 13 GAUT10 is required for *Arabidopsis* root cell differentiation and elongation. ○

12	Immunocytochemical Analysis of Bifid Trichomes in <i>Aldrovanda vesiculosa</i> L. Traps. <b>2023</b> , 24, 3358	1
11	Ca <sup>2+</sup> -Responsive Glyco-insulin. <b>2023</b> , 34, 518-528	0
10	Enigmatic Apiogalacturonans [What Do We Know About This Group of Pectic Polysaccharides?. 1-30	0
9	Aggregates[Formation in Higher Plants][Cell Culture: The Role of Cell Wall Components. <b>2022</b> , 12, S182-S194	0
8	Cell Wall Integrity Signaling in Fruit Ripening. <b>2023</b> , 24, 4054	1
7	Managing spot blotch disease in wheat: Conventional to molecular aspects. 14,	0
6	RG-I Domain Matters to the In Vitro Fermentation Characteristics of Pectic Polysaccharides Recycled from Citrus Canning Processing Water. <b>2023</b> , 12, 943	0
5	Key Stages of Flax Bast Fiber Development Through the Prism of Transcriptomics. <b>2023</b> , 149-198	0
4	A ginseng-derived rhamnogalacturonan I (RG-I) pectin promotes longevity via TOR signalling in <i>Caenorhabditis elegans</i> . <b>2023</b> , 312, 120818	0
3	Wood Chemistry. <b>2023</b> , 179-279	0
2	Signals and Their Perception for Remodelling, Adjustment and Repair of the Plant Cell Wall. <b>2023</b> , 24, 7417	0
1	Microbial extracellular polymeric substances alleviate cadmium toxicity in rice ( <i>Oryza sativa</i> L.) by regulating cadmium uptake, subcellular distribution and triggering the expression of stress-related genes. <b>2023</b> , 257, 114958	0