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## Polymer blends and composites from renewable resources

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1498	Blends and Composites Based on Cellulose and Natural Polymers. <b>2009</b> , 129-161	4
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1496	Combustion and Thermal Properties of Polylactide with an Effective Phosphate-Containing Flame-Retardant Oligomer. <b>2009</b> , 205-223	1
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1486	Effect of surface esterification with octenyl succinic anhydride on hydrophilicity of corn starch films. <b>2009</b> , 114, 940-947	23
1485	Poly(hydroxybutyrate-co-hydroxyvalerate)/titanium dioxide nanocomposites: A degradation study. <b>2009</b> , 114, 3118-3124	35
1484	Thermomechanical and optical properties of biodegradable poly(L-lactide)/silica nanocomposites by melt compounding. <b>2009</b> , 114, 3379-3388	80
1483	Preparation and properties of polyurethane/benzyl amylose semi-interpenetrating networks. <b>2009</b> , 116, NA-NA	
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1481	Adhesive technology and sustainability. <b>2009</b> , 29, 248-252	35
1480	Crystallization kinetics of poly(hydroxybutyrate-co-hydroxyvalerate) and poly(dicyclohexylitaconate) PHBV/PDCHI blends: thermal properties and hydrolytic degradation. <b>2009</b> , 44, 1844-1850	22
1479	Single polymer composites: a review. <b>2009</b> , 44, 6213-6222	123

1478	Effect of Matrix-Particle Interfacial Adhesion on the Mechanical Properties of Poly(lactic acid)/Wood-Flour Micro-Composites. <b>2009</b> , 17, 83-94		131
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1475	Structure and properties of starch nanocrystal-reinforced soy protein plastics. <b>2009</b> , 30, 474-480		116
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1473	Preparation and characterization of ibuprofen-loaded microspheres consisting of poly(3-hydroxybutyrate) and methoxy poly (ethylene glycol)-b-poly (D,L-lactide) blends or poly(3-hydroxybutyrate) and gelatin composites for controlled drug release. <b>2009</b> , 29, 588-593		38
1472	Reconstruction of a hidden topography by single AFM force-distance curves. <b>2009</b> , 603, 2363-2369		11
1471	Combustion properties and thermal degradation behavior of polylactide with an effective intumescent flame retardant. <b>2009</b> , 94, 291-296		185
1470	Renewable resource-based composites of recycled natural fibers and maleated polylactide bioplastic: Characterization and biodegradability. <b>2009</b> , 94, 1076-1084		111
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1468	Thermal properties of poly(ethylene succinate) nanocomposite. <b>2009</b> , 50, 4635-4643		39
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1466	Biodegradable composites based on lignocellulosic fibers—An overview. <i>Progress in Polymer Science</i> , <b>2009</b> , 34, 982-1021	29.6	887
1465	Polymorphism and isomorphism in biodegradable polyesters. <i>Progress in Polymer Science</i> , <b>2009</b> , 34, 605-640	29.6	454
1464	Thermal processing of starch-based polymers. <i>Progress in Polymer Science</i> , <b>2009</b> , 34, 1348-1368	29.6	538
1463	Structure and properties of starch/ $\epsilon$ -zirconium phosphate nanocomposite films. <b>2009</b> , 77, 358-364		53
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1461	Phase inversion in polylactide/soybean oil blends compatibilized by poly(isoprene-b-lactide) block copolymers. <b>2009</b> , 1, 2390-9		40

1460	Modification of the wheat gluten network by Kraft lignin addition. <b>2009</b> , 57, 8526-33	21
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1444	Dynamic Mechanical Behavior and Thermal Characterization of Biofilms Based on Starch Modified by Fungi Isolates. <b>2010</b> , 18, 430-436	8
1443	Comparison of Polylactic Acid/Kenaf and Polylactic Acid/Rise Husk Composites: The Influence of the Natural Fibers on the Mechanical, Thermal and Biodegradability Properties. <b>2010</b> , 18, 422-429	202

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1428	Influence of some crosslinking agents on thermal and mechanical properties of electron beam irradiated polylactide. <b>2010</b> , 79, 1052-1057	48
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1394	Fabrication and characterization of melt-blended polylactide-chitin composites and their foams. <b>2011</b> , 47, 283-300	48
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1373	Synthesis and characterization of a novel multiblock copolyester containing poly(ethylene succinate) and poly(butylene succinate). <b>2011</b> , 130, 943-949	43
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1371	New strategies in the preparation of exfoliated thermoplastic starch/montmorillonite nanocomposites. <b>2011</b> , 34, 1502-1508	74

1370	Study of the properties of biocomposites. Part I. Cassava starch-green coir fibers from Brazil. <b>2011</b> , 86, 1712-1722	92
1369	Structure and properties of starch/PVA/nano-SiO <sub>2</sub> hybrid films. <b>2011</b> , 86, 1784-1789	53
1368	Tunable hierarchical porosity from self-assembled chitin-silica nano-composites. <b>2011</b> , 21, 16997	34
1367	Properties and morphology of poly(vinyl alcohol) blends with sago pith bio-filler as biodegradable composites. <b>2011</b> , 17, 184-189	16
1366	A composite polyelectrolytic matrix for controlled oral drug delivery. <b>2011</b> , 12, 227-38	24
1365	Studies on Ambient Cured Biobased Mn(II), Co(II) and Cu(II) Containing Metallopolyesteramides. <b>2011</b> , 21, 646-654	13
1364	Effect of Orientation on the Morphology and Mechanical Properties of PLA/Starch Composite Filaments. <b>2011</b> , 19, 329-334	11
1363	Biodegradable Polymers- A Review on Recent Trends and Emerging Perspectives. <b>2011</b> , 19, 637-676	431
1362	Study on the structure and properties of nanocomposites based on high-density polyethylene/starch blends. <b>2011</b> , 18, 1955-1969	29
1361	Poly(3-hydroxybutyrate)-chitosan: a new biodegradable composition for prolonged delivery of biologically active substances. <b>2011</b> , 45, 51-55	11
1360	Thermal and microstructural characterization of compatibilized polystyrene/natural fillers composites. <b>2011</b> , 103, 95-101	11
1359	Physicochemical properties of biodegradable polyvinyl alcohol-agar films from the red algae <i>Hydropuntia cornea</i> . <b>2011</b> , 13, 793-800	23
1358	Polyester/natural fiber biocomposites: preparation, characterization, and biodegradability. <b>2011</b> , 67, 1605-1619	19
1357	Bio-based blends of starch and poly(butylene succinate) with improved miscibility, mechanical properties, and reduced water absorption. <b>2011</b> , 83, 762-768	107
1356	Poly(butylene succinate)-based biocomposites filled with polysaccharide nanocrystals: Structure and properties. <b>2011</b> , 32, 472-482	77
1355	Purification and characterization of poly(L-lactic acid) depolymerase from <i>Pseudomonas</i> sp. strain DS04-T. <b>2011</b> , 51, 454-459	16
1354	Examination of starch preprocess drying and water absorption of injection-molded starch-filled poly(lactic acid) products. <b>2011</b> , 51, 843-850	18
1353	Study of the thermal stabilization mechanism of biodegradable poly(L-lactide)/silica nanocomposites. <b>2011</b> , 60, 202-210	58

1352	Recent advances in clay/polymer nanocomposites. <b>2011</b> , 23, 5229-36		223
1351	Preparation and characterization of maleated thermoplastic starch-based nanocomposites. <b>2011</b> , 122, 639-647		20
1350	Decomposition rate control of PLLA plate by heat treatment. <b>2011</b> , 119, 2031-2038		3
1349	Enhancing compatibilizer function by controlled distribution in hydrophobic polylactic acid/hydrophilic starch blends. <b>2011</b> , 119, 2189-2195		32
1348	Comparison of sorbitol and glycerol as plasticizers for thermoplastic starch in TPS/PLA blends. <b>2011</b> , 119, 2439-2448		121
1347	Thermal and mechanical properties of anhydride-cured epoxy resins with different contents of biobased epoxidized soybean oil. <b>2011</b> , 120, 789-798		114
1346	Phosphorus-containing soybean-oil copolymers: Cross-metathesis of fatty acid derivatives as an alternative to phosphorus-containing reactive flame retardants. <b>2011</b> , 122, 1649-1658		29
1345	Efficient synthesis of hydroxyl functioned polyesters from natural polyols and sebacic acid. <b>2011</b> , 22, 635-638		10
1344	Preparation and characterization of blends made of poly(L-lactic acid) and Cyclodextrin: Improvement of the blend properties by using a masterbatch. <b>2011</b> , 86, 1022-1030		22
1343	Thermoplastic starch/silica/polyvinyl alcohol composites by reactive extrusion. <b>2011</b> , 84, 343-350		37
1342	Flame retardant biocomposites: Synergism between phosphinate and nanometric metal oxides. <b>2011</b> , 47, 1390-1401		106
1341	Chemical modification of starch by reactive extrusion. <i>Progress in Polymer Science</i> , <b>2011</b> , 36, 218-237	29.6	167
1340	Current research on the blends of natural and synthetic polymers as new biomaterials: Review. <i>Progress in Polymer Science</i> , <b>2011</b> , 36, 1254-1276	29.6	632
1339	Intermolecular interactions and crystallization behaviors of biodegradable polymer blends between poly (3-hydroxybutyrate) and cellulose acetate butyrate studied by DSC, FT-IR, and WAXD. <b>2011</b> , 52, 461-471		47
1338	Influence of Dicumyl Peroxide Content on Thermal and Mechanical Properties of Polylactide. <b>2011</b> , 26, 580-586		30
1337	Nanocomposites Based on Starch and Fibers of Natural Origin. <b>2011</b> , 471-509		1
1336	Study on the Properties of Poly(lactic acid)/Starch/Chitosan Blended Materials. <b>2011</b> , 391-392, 530-534		
1335	The Thermal and Rheological Properties of Starch Plasticized in Glycerol-Water Mixture. <b>2011</b> , 343-344, 38-42		1

1334	Interface engineering through matrix modification in natural fibre composites. <b>2011</b> , 43-81	2
1333	Novel biodegradable composites and foams of polylactide and chitin. <b>2011</b> ,	
1332	Conductivity and dielectric behaviour studies of starch/PEO+x wt-%NH <sub>4</sub> NO <sub>3</sub> polymer electrolyte. <b>2011</b> , 15, s82-s85	41
1331	Agronomic Potential of Biopolymer Films. <b>2011</b> , 277-299	8
1330	Mechanical and water absorption properties of poly(vinyl alcohol)/sago pith waste biocomposites. <b>2011</b> , 45, 1201-1207	9
1329	Comparison of rice husk-filled polyethylene composite and natural wood under weathering effects. <b>2011</b> , 45, 1403-1410	28
1328	Non-linear behaviour of PLA based flax composites. <b>2012</b> , 41, 49-60	15
1327	Locust bean gum: Exploring its potential for biopharmaceutical applications. <b>2012</b> , 4, 175-85	86
1326	Biodegradation of a blended starch/natural rubber foam biopolymer and rubber gloves by <i>Streptomyces coelicolor</i> CH13. <b>2012</b> , 15,	3
1325	1 Cellulose and potential reinforcement. 1-42	4
1324	Do fiber-reinforced polymer composites provide environmentally benign alternatives? A life-cycle-assessment-based study. <b>2012</b> , 37, 374-382	102
1323	Bioengineered natural textile fibres. <b>2012</b> , 291-313	
1322	Biobased Polymeric Materials Prepared from Cotton Byproducts. <b>2012</b> , 47-62	0
1321	Morphology and Mechanical Properties of Compatibilized Bio-sourced PA/Plasticized Starch Grafted PP Ternary Polymer Blends. <b>2012</b> , 27, 452-460	1
1320	Study on the Properties of Poly(lactic Acid) and Thermal Plastic Starch Blended Materials Plasticized by PEG 200. <b>2012</b> , 550-553, 813-817	0
1319	Influence of the simultaneous addition of bentonite and cellulose fibers on the mechanical and barrier properties of starch composite-films. <b>2012</b> , 18, 35-45	25
1318	Recent Processing Methods for Preparing Starch-based Bioproducts. <b>2012</b> , 37-83	1
1317	Properties of Compatibilized SAN/NR Blends. <b>2012</b> , 488-489, 62-66	

1316	Mechanical, thermal and morphological properties of poly(lactic acid)/epoxidized palm olein blend. <b>2012</b> , 17, 11729-47	134
1315	Toughening of Polylactic Acid Modified with Reactive Silicones. <b>2012</b> , 69, 179-183	
1314	Films and Coatings Produced from Biopolymers and Composites. <b>2012</b> , 145-216	2
1313	Biomaterials combined with cell therapy for treatment of spinal cord injury. <b>2012</b> , 7, 207-24	50
1312	Protein-based composite materials. <b>2012</b> , 15, 208-215	204
1311	Upstream process optimization of polyhydroxybutyrate (PHB) by <i>Alcaligenes latus</i> using two-stage batch and fed-batch fermentation strategies. <b>2012</b> , 35, 1591-602	20
1310	Investigation on the effect of nanosilica towards corn starch/lithium perchlorate-based polymer electrolytes. <b>2012</b> , 16, 3165-3170	35
1309	Role of Crosslinker on the Biodegradation Behavior of Starch/Polyvinylalcohol Blend Films. <b>2012</b> , 20, 749-759	27
1308	Melt Strength and Rheological Properties of Biodegradable Poly(Lactic Acid) Modified via Alkyl Radical-Based Reactive Extrusion Processes. <b>2012</b> , 20, 741-747	45
1307	A Biobased Blend of Cellulose Diacetate with Starch. <b>2012</b> , 20, 1103-1111	4
1306	Effects of hydroxyvalerate contents in thermal degradation kinetic of cellulose acetate propionate/poly(3-hydroxyalkanoates) blends. <b>2012</b> , 109, 1353-1364	5
1305	Chemically modified expanded starch grafted Ni-acetylacetonate/TBAB: An effective reusable catalytic combination for the cycloaddition of carbon dioxide to epoxides. <b>2012</b> , 198, 204-208	11
1304	Efficient mesoporous silica-titania catalysts from colloidal self-assembly. <b>2012</b> , 48, 10648-50	35
1303	Miniaturized platform with on-chip strain sensors for compression testing of arrayed materials. <b>2012</b> , 12, 4178-84	14
1302	Transesterification-Induced Evolution of Structure and Morphology in Poly(trimethylene terephthalate)/Poly(butylenes succinate) Blends. <b>2012</b> , 51, 2361-2376	4
1301	Polycaprolactone-Based Green Renewable Eco-composites Made from Rice Straw Fiber: Characterization and Assessment of Mechanical and Thermal Properties. <b>2012</b> , 51, 3329-3337	28
1300	Facile fabrication of transparent cellulose films with high water repellency and gas barrier properties. <b>2012</b> , 19, 1913-1921	35
1299	Preparation of lignin/silica hybrids and its application in intumescent flame-retardant poly(lactic acid) system. <b>2012</b> , 24, 738-746	56

1298	Effect of UV radiation on some semi-interpenetrating polymer networks based on polyurethane and epoxy resin. <b>2012</b> , 97, 1261-1269	36
1297	Study of morphology and crystal growth behaviour of nanoclay-containing biodegradable polymer blend thin films using atomic force microscopy. <b>2012</b> , 53, 2705-2716	24
1296	Effect of dissolved CO <sub>2</sub> on the crystallization behavior of linear and branched PLA. <b>2012</b> , 53, 3341-3353	119
1295	Properties of a novel type of starch found in the double mutant "sweet wheat". <b>2012</b> , 89, 1250-60	9
1294	Compatible blends of thermoplastic starch and hydrolyzed ethylene-vinyl acetate copolymers. <b>2012</b> , 90, 34-40	30
1293	Poly lactide-based renewable composites from natural products residues by encapsulated film bag: characterization and biodegradability. <b>2012</b> , 90, 583-91	15
1292	Synthesis of graft copolymer (CgOH-g-AGA): physicochemical properties, characterization and application. <b>2012</b> , 90, 901-7	4
1291	Effect of gelatinization and additives on morphology and thermal behavior of corn starch/PVA blend films. <b>2012</b> , 90, 1595-600	96
1290	New crosslinkers for electrospun chitosan fibre mats. I. Chemical analysis. <b>2012</b> , 9, 2551-62	48
1289	Rheology and biodegradation of polylactide/silica nanocomposites. <b>2012</b> , 33, 1719-1727	67
1288	Preparation and properties of biocomposites composed of sorbitol-based epoxy resin, pyrogallol, vanillin calixarene, and wood flour. <b>2012</b> , 33, 1840-1847	23
1287	Probe mobility dynamics, crystal structure, and isotope exchange in PHBV and SPEU blend compositions. <b>2012</b> , 446, 176-179	10
1286	Antibacterial activity of silver bionanocomposites synthesized by chemical reduction route. <b>2012</b> , 6, 101	40
1285	Physical-mechanical properties of agar/κ-carrageenan blend film and derived clay nanocomposite film. <b>2012</b> , 77, N66-73	107
1284	Spherulitic Growth Rate of Blends of Polyhydroxybutyrate (PHB) with Oligomeric Atactic PHB-diol. <b>2012</b> , 51, 567-579	9
1283	Preparation, characterisation and viability of encapsulated <i>Trichoderma harzianum</i> UPM40 in alginate-montmorillonite clay. <b>2012</b> , 29, 205-10	31
1282	Fully biodegradable and biorenewable ternary blends from polylactide, poly(3-hydroxybutyrate-co-hydroxyvalerate) and poly(butylene succinate) with balanced properties. <b>2012</b> , 4, 3091-101	214
1281	Blends of Linear and Long-Chain Branched Poly(l-lactide)s with High Melt Strength and Fast Crystallization Rate. <b>2012</b> , 51, 10088-10099	68



1280	Green Biocomposites based on cellulose diacetate and regenerated cellulose microfibers: Effect of plasticizer content on morphology and mechanical properties. <b>2012</b> , 43, 2256-2268	19
1279	Thermal degradation characteristics of flame retardant polylactide using TG-IR. <b>2012</b> , 97, 2143-2147	52
1278	Synthesis and characterizations of poly(ethylene-co-vinylalcohol)-grafted-poly(3-hydroxybutyrate-co-hydroxyvalerate) copolymers. <b>2012</b> , 53, 4585-4594	12
1277	Recent advances in biopolymers and biopolymer-based nanocomposites for food packaging materials. <b>2012</b> , 52, 426-42	291
1276	Functional Properties of Extruded Nanocomposites Based on Cassava Starch, Polyvinyl Alcohol and Montmorillonite. <b>2012</b> , 319, 235-239	4
1275	Polymer Polymer Composites. <b>2012</b> , 1	
1274	Simultaneous Synchrotron SAXS/WAXD Study of Composition Fluctuations, Cold-Crystallization, and Melting in Biodegradable Polymer Blends of Cellulose Acetate Butyrate and Poly(3-hydroxybutyrate). <b>2012</b> , 45, 2783-2795	20
1273	Synthesis of Orientationally Isomeric Cyclic Stereoblock Polylactides with Head-to-Head and Head-to-Tail Linkages of the Enantiomeric Segments. <b>2012</b> , 1, 902-906	63
1272	Effects of Hydrogen Bond Intermolecular Interactions on the Crystal Spherulite of Poly(3-hydroxybutyrate) and Cellulose Acetate Butyrate Blends: Studied by FT-IR and FT-NIR Imaging Spectroscopy. <b>2012</b> , 45, 2738-2748	45
1271	Segmenting Supply Chain Risk Using E/CTRM Systems: Unifying Theory of Commodity Hedging and Arbitrage. <b>2012</b> ,	
1270	Effect of modified clays on the structure and functional properties of biofilms produced with zein. <b>2012</b> , 32, 314-322	7
1269	Synthesis and Characterization of Polyglycolic Acid via Sequential Melt-Solid Ring-Opening Polymerization of Glycolide. <b>2012</b> , 69, 60-70	5
1268	Vanillin-Based Polymers Part II: Synthesis of Schiff Base Polymers of Divanillin and Their Chelation with Metal Ions. <b>2012</b> , 2012, 1-5	29
1267	Characterization and antibacterial activity of chitosan-based composites with polyester. <b>2012</b> , 23, 463-469	6
1266	Modification of lignin and its application as char agent in intumescent flame-retardant poly(lactic acid). <b>2012</b> , 52, 2620-2626	114
1265	Synthesis and characterization of hydrophobically modified starch by ring opening polymerization using imidazole as catalyst. <b>2012</b> , 64, 613-620	12
1264	Structure and Morphology of New Bio-Based Thermoplastic Polyurethanes Obtained From Dimeric Fatty Acids. <b>2012</b> , 297, 777-784	51
1263	Self-healing of covalently cross-linked polymers by reshuffling thiuram disulfide moieties in air under visible light. <b>2012</b> , 24, 3975-80	489

1262	Mechanical, thermal, and biodegradation studies of polystyrene/epithalated starch blends using epoxy functionalized compatibilizer. <b>2012</b> , 125, 313-326	4
1261	Properties and structures of polylactide filled with poly( $\epsilon$ -caprolactone)-coated calcium carbonate. <b>2012</b> , 125, 952-958	17
1260	Comparative study about preparation of poly(lactide)/Organophilic montmorillonites nanocomposites through melt blending or ring opening polymerization methods. <b>2012</b> , 125, E413	12
1259	Compatibility study in natural rubber and maize starch blends. <b>2012</b> , 125, 959-967	12
1258	Preparation and characterization of double-layered microencapsulated red phosphorus and its flame retardance in poly(lactic acid). <b>2012</b> , 125, 3014-3022	21
1257	Effect of zinc borate on the fire and thermal degradation behaviors of a poly(3-hydroxybutyrate-co-4-hydroxybutyrate)-containing intumescent flame retardant. <b>2012</b> , 125, 3946-3955 <sup>9</sup>	9
1256	Characteristics of biodegradable polylactide/gelatinized starch films: Effects of starch, plasticizer, and compatibilizer. <b>2012</b> , 126, E162-E172	28
1255	Morphological evolution of curau fibers under acid hydrolysis. <b>2012</b> , 19, 1199-1207	18
1254	Performance of PTT fabric treated with CNTs/SiO <sub>2</sub> /thiazole dye hybrid materials. <b>2012</b> , 13, 481-488	2
1253	Preparation of ductile PLA materials by modification with trimethyl hexamethylene diisocyanate. <b>2012</b> , 69, 313-322	17
1252	Effect of lignocellulosic filler type and content on the behavior of polycaprolactone based eco-composites for packaging applications. <b>2012</b> , 87, 411-421	110
1251	Properties of baked foams based on cassava starch, sugarcane bagasse fibers and montmorillonite. <b>2012</b> , 87, 1302-1310	74
1250	Crystallization behavior and hydrophobic properties of biodegradable ethyl cellulose-g-poly(3-hydroxybutyrate-co-3-hydroxyvalerate): The influence of the side-chain length and grafting density. <b>2012</b> , 87, 2447-2454	31
1249	Cassava starch/kaolinite composite film. Effect of clay content and clay modification on film properties. <b>2012</b> , 88, 213-222	83
1248	Post-crosslinking modification of thermoplastic starch/PVA blend films by using sodium hexametaphosphate. <b>2012</b> , 89, 473-7	46
1247	Composites of thermoplastic starch and nanoclays produced by extrusion and thermopressing. <b>2012</b> , 89, 504-10	70
1246	Synthesis and characterization of polyurethane treated waste milled light bulbs composites. <b>2012</b> , 43, 1439-1444	20
1245	Preparation and characterisation of composites from starch and sugar cane fibre. <b>2012</b> , 40, 45-54	56

1244	Effect of cultivation parameters on the production of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) and poly(3-hydroxybutyrate-4-hydroxybutyrate-3-hydroxyvalerate) by <i>Cupriavidus necator</i> using waste glycerol. <b>2012</b> , 111, 391-7		122
1243	Morphology and mechanical properties of PA12/plasticized starch blends prepared by high-shear extrusion. <b>2012</b> , 133, 913-923		23
1242	Synthesis of EVA-g-PLA copolymers using transesterification reactions. <b>2012</b> , 134, 103-110		31
1241	The effects of gamma-irradiation on the structure, thermal resistance and mechanical properties of the PLA/EVOH blends. <b>2012</b> , 274, 139-144		21
1240	Modeling the kinetics of water transport and hydroexpansion in a lignocellulose-reinforced bacterial copolyester. <b>2012</b> , 53, 2152-2161		40
1239	Rheology to understand and optimize processability, structures and properties of starch polymeric materials. <i>Progress in Polymer Science</i> , <b>2012</b> , 37, 595-623	29.6	184
1238	Development of self-reinforced polymer composites. <i>Progress in Polymer Science</i> , <b>2012</b> , 37, 767-780	29.6	148
1237	An approach for the enhancement of the mechanical properties and film coating efficiency of shellac by the formation of composite films based on shellac and gelatin. <b>2012</b> , 108, 94-102		71
1236	Microstructure and properties of glycerol plasticized soy protein plastics containing castor oil. <b>2012</b> , 109, 496-500		35
1235	Laser induced surface modification of polylactide. <b>2012</b> , 212, 1700-1704		46
1234	Biodegradable Composites Reinforced with Kenaf Fibers: Thermal, Mechanical, and Morphological Issues. <b>2013</b> , 32, E313-E322		31
1233	Study of biodegradable polylactide/poly(butylene carbonate) blend. <b>2013</b> , 127, 471-477		37
1232	Dynamic mechanical and thermal properties of the composites of thermoplastic starch and lanthanum hydroxide nanoparticles. <b>2013</b> , 127, 699-709		5
1231	Effect of kraft lignin on protein aggregation, functional, and rheological properties of fish protein-based material. <b>2013</b> , 127, 1703-1710		18
1230	Polyolefins/Poly(3-hydroxybutyrate-co-hydroxyvalerate) blends compatibilization: Morphology, rheological, and mechanical properties. <b>2013</b> , 127, 1148-1156		16
1229	Plasticized and nanofilled poly(lactic acid)-based cast films: Effect of plasticizer and organoclay on processability and final properties. <b>2013</b> , 127, 4947-4956		28
1228	The effect of different organic modified montmorillonites (OMMTs) on the thermal properties and flammability of PLA/MCAPP/lignin systems. <b>2013</b> , 127, 4967-4973		56
1227	Fabrication of a novel polyethylene/starch blend through mediation of a high-energy ball milling process: Mechanical properties and formation mechanism. <b>2013</b> , 128, 145-152		5

1226	Enhancement of pro-degradant performance in polyethylene/starch blends as a function of distribution. <b>2013</b> , 128, 591-596	8
1225	Effect of Fiber Surface Treatments on Thermo-Mechanical Behavior of Poly(Lactic Acid)/Phormium Tenax Composites. <b>2013</b> , 21, 881-891	18
1224	Effect of Gamma Radiation on the Properties of Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate)/Poly( $\epsilon$ -Caprolactone) Blends. <b>2013</b> , 21, 789-794	10
1223	Effect of Poly(Vinyl Acetate) on Mechanical Properties and Characteristics of Poly(Lactic Acid)/Natural Rubber Blends. <b>2013</b> , 21, 450-460	36
1222	Greatly enhanced mechanical properties and heat distortion resistance of poly(L-lactic acid) upon compositing with functionalized reduced graphene oxide. <b>2013</b> , 1, 9028	32
1221	Recycling of bioplastics, their blends and biocomposites: A review. <b>2013</b> , 49, 2839-2858	254
1220	Isolation and characterisation of starch/polyvinyl alcohol degrading fungi from aerobic compost environment. <b>2013</b> , 82, 9-12	9
1219	New evidences of accelerating degradation of polyethylene by starch. <b>2013</b> , 130, 2282-2287	12
1218	Synthesis, characterization and assessment of poly(urethane-co-pyrrole)s derived from castor oil as anticorrosion coatings for stainless steel. <b>2013</b> , 76, 1454-1464	18
1217	Incorporation of poly(glycidylmethacrylate) grafted bacterial cellulose nanowhiskers in poly(lactic acid) nanocomposites: Improved barrier and mechanical properties. <b>2013</b> , 49, 2062-2072	56
1216	Electrospinning of PCL/PVP blends for tissue engineering scaffolds. <b>2013</b> , 24, 1425-42	89
1215	The properties of antimicrobial films derived from poly(lactic acid)/starch/chitosan blended matrix. <b>2013</b> , 98, 959-66	58
1214	Composition optimization of polyvinyl alcohol/rice starch/silk fibroin-blended films for improving its eco-friendly packaging properties. <b>2013</b> , 129, 2614-2620	21
1213	Preparation and characterization of polyhydroxyalkanoates macroporous scaffold through enzyme-mediated modifications. <b>2013</b> , 170, 690-709	17
1212	Molecular properties of octenyl succinic esters of mechanically activated Indica rice starch. <b>2013</b> , 65, 453-460	14
1211	Effect of Additive on Crystallization and Mechanical Properties of Polymer Blends of Poly(Lactic Acid) and Poly[(Butylene Succinate)-co-Adipate]. <b>2013</b> , 34, 563-571	7
1210	Bio-based thermosetting bismaleimide resins using eugenol, bieugenol and eugenol novolac. <b>2013</b> , 73, 1086-1095	59
1209	The chemomechanical properties of microbial polyhydroxyalkanoates. <i>Progress in Polymer Science</i> , <b>2013</b> , 38, 536-583	29.6 269

1208	Bacterial Cellulose. <b>2013</b> , 339-366	1
1207	Miscibility of natural polyhydroxyalkanoate blend with controllable material properties. <b>2013</b> , 129, 2004-2016	6
1206	PHA bioplastics, biochemicals, and energy from crops. <b>2013</b> , 11, 233-52	86
1205	Changes in the structural parameters and molecular dynamics of polyhydroxybutyrate-chitosan mixed compositions under external influences. <b>2013</b> , 7, 225-231	10
1204	Integrated Biorefinery for Sustainable Production of Fuels, Chemicals, and Polymers. <b>2013</b> , 1-26	9
1203	Effects of thermal treatment on the microstructure and thermal and mechanical properties of poly(lactic acid) fibers. <b>2013</b> , 53, 976-981	16
1202	Novel electric conductive polylactide/carbon nanotubes foams prepared by supercritical CO <sub>2</sub> . <b>2013</b> , 23, 395-401	18
1201	Preparation and characterization of hollow glass microsphere reinforced poly(butylene succinate) composites. <b>2013</b> , 46, 902-909	59
1200	Surface modification of coconut shell powder filled polylactic acid biocomposites. <b>2013</b> , 26, 809-819	47
1199	Bio-based thermosetting resins composed of cardanol novolac and bismaleimide. <b>2013</b> , 45, 758-765	21
1198	Effect of prior photodegradation on the biodegradation of polypropylene/poly(3-hydroxybutyrate) blends. <b>2013</b> , 53, 2109-2122	14
1197	Effects of molten poly(d,l-lactide) on nonisothermal crystallization in stereocomplex of poly(l-lactide) with poly(d-lactide). <b>2013</b> , 573, 193-199	28
1196	Synthesis and Stereocomplex Formation of Star-Shaped Stereoblock Polylactides Consisting of Poly(l-lactide) and Poly(d-lactide) Arms. <b>2013</b> , 46, 8509-8518	90
1195	Design and Modeling of Mechanical Systems. <b>2013</b> ,	3
1194	Polypropylene-based composites reinforced by toluene diisocyanate modified wood. <b>2013</b> , 47, 3451-3464	9
1193	Novel toughening mechanism for polylactic acid (PLA)/starch blends with layer-like microstructure via pressure-induced flow (PIF) processing. <b>2013</b> , 98, 238-241	41
1192	Blends of biorenewable polyamide-11 and polyamide-6,10. <b>2013</b> , 54, 6961-6970	32
1191	Comparative study on the blends of PBS/thermoplastic starch prepared from waxy and normal corn starches. <b>2013</b> , 65, 831-839	41

1190	s-Triazine Ring-Modified Waterborne Alkyd: Synthesis, Characterization, Antibacterial, and Electrochemical Corrosion Studies. <b>2013</b> , 1, 1246-1257	59
1189	Molecular Dynamic Evaluation of starch-PLA blends nanocomposite with organoclay by proton NMR relaxometry. <b>2013</b> , 32, 1181-1185	18
1188	Effect of Triacetin on Tensile Properties of Oil Palm Empty Fruit Bunch Fiber-Reinforced Polylactic Acid Composites. <b>2013</b> , 52, 400-406	9
1187	Study on the thermal degradation behavior and flame-retardant property of polylactide/PEDPP blends. <b>2013</b> , 24, 576-583	9
1186	Performance evaluation and chemical recyclability of a polyethylene/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) blend for sustainable packaging. <b>2013</b> , 3, 24378	36
1185	Progress in bio-based plastics and plasticizing modifications. <b>2013</b> , 1, 13379	450
1184	Adsorption of cadmium (II) and copper (II) ions from aqueous solution using chitosan composite. <b>2013</b> , 34, 233-240	22
1183	Starch: Major Sources, Properties and Applications as Thermoplastic Materials. <b>2013</b> , 129-152	6
1182	Stereocomplexation of low molecular weight poly(L-lactic acid) and high molecular weight poly(D-lactic acid), radiation crosslinking PLLA/PDLA stereocomplexes and their characterization. <b>2013</b> , 83, 105-110	13
1181	Biorefinery valorization of autohydrolysis wheat straw hemicellulose to be applied in a polymer-blend film. <b>2013</b> , 92, 2154-62	88
1180	Thermal analysis of new glycopolymers derived from monosaccharides. <b>2013</b> , 111, 789-797	7
1179	Life cycle assessment of single use thermoform boxes made from polystyrene (PS), polylactic acid, (PLA), and PLA/starch: cradle to consumer gate. <b>2013</b> , 18, 401-417	53
1178	A new method for the continuous production of single dosed controlled release matrix systems based on hot-melt extruded starch: analysis of relevant process parameters and implementation of an in-process control. <b>2013</b> , 84, 156-71	18
1177	Effect of ethylene-co-vinyl acetate-glycidylmethacrylate and cellulose microfibrils on the thermal, rheological and biodegradation properties of poly(lactic acid) based systems. <b>2013</b> , 98, 2742-2751	36
1176	Poly(Lactic Acid)/Polycaprolactone Blends Compatibilized with Block Copolymer. <b>2013</b> , 34, 542-548	66
1175	Effect of plasticization on the conductivity and dielectric properties of starch-chitosan blend biopolymer electrolytes infused with NH <sub>4</sub> Br. <b>2013</b> , T157, 014051	20
1174	Employing a novel bioelastomer to toughen polylactide. <b>2013</b> , 54, 2450-2458	76
1173	In-melt transesterification of poly(lactic acid) and poly(ethylene-co-vinylalcohol). <b>2013</b> , 140, 559-569	5

1172	Effect of the lignin type on the morphology and thermal properties of the xanthan/lignin hydrogels. <b>2013</b> , 54, 230-7	43
1171	Improved dispersion of grafted starch granules leads to lower water resistance for starch-g-PLA/PLA composites. <b>2013</b> , 86, 149-156	25
1170	On the heterogeneous composition of bacterial polyhydroxyalkanoate terpolymers. <b>2013</b> , 147, 434-441	8
1169	Conductivity relaxation in Ag <sup>+</sup> ion conducting PEO/PMMA/PEG polymer blends. <b>2013</b> , 19, 301-307	23
1168	Starch Based Blends, Composites and Nanocomposites. <b>2013</b> , 121-154	6
1167	Chitosan polymer as support to IgG immobilization for piezoelectric applications. <b>2013</b> , 274, 33-38	5
1166	Intermolecular interactions between natural polysaccharides and silk fibroin protein. <b>2013</b> , 93, 561-73	60
1165	"Smart" Materials Based on Cellulose: A Review of the Preparations, Properties, and Applications. <b>2013</b> , 6, 738-781	336
1164	Extruded films of blended chitosan, low density polyethylene and ethylene acrylic acid. <b>2013</b> , 91, 666-74	54
1163	Microcellular foam processing of biodegradable polymers [Review]. <b>2013</b> , 14, 679-690	24
1162	Biobased thermosetting resins composed of terpene and bismaleimide. <b>2013</b> , 129, 301-309	19
1161	Poly(Ethylene Glycol) as a Compatibilizer for Poly(Lactic Acid)/Thermoplastic Starch Blends. <b>2013</b> , 21, 151-159	54
1160	Biodegradable polyesters from renewable resources. <b>2013</b> , 4, 143-70	46
1159	Chitosan-based nanomaterials: a state-of-the-art review. <b>2013</b> , 59, 46-58	581
1158	Reactive Extrusion. <b>2013</b> , 339-371	1
1157	Fully Green Elastomer Composites. <b>2013</b> , 155-181	1
1156	Advances in Elastomers: Their Composites and Nanocomposites: State of Art, New Challenges and Opportunities. <b>2013</b> , 1-9	4
1155	Bionanocomposites for Natural Food Packing. <b>2013</b> , 265-299	4

1154	Experimental and Numerical Study of Polypropylene Composite Reinforced with Jute Fibers. <b>2013</b> , 509-516		
1153	Transparent, flexible, and high-strength regenerated cellulose/saponite nanocomposite films with high gas barrier properties. <b>2013</b> , 130, 3168-3174		11
1152	Improvement in toughness and crystallization of poly(L-lactic acid) by melt blending with ethylene/methyl acrylate/glycidyl methacrylate terpolymer. <b>2013</b> , 53, 2498-2508		29
1151	Importance of the structure of paper support in gas transfer properties of protein-coated paper. <b>2013</b> , 130, 2848-2858		2
1150	Comparative evaluation on fatty acid and Matricaria recutita essential oil incorporated into casein-based film. <b>2013</b> , 56, 69-75		35
1149	Thermal and mechanical properties of injection molded recycled high density polyethylene blends with virgin isotactic polypropylene. <b>2013</b> , 46, 435-441		37
1148	Elaboration and properties of plasticised chitosan-based exfoliated nano-biocomposites. <b>2013</b> , 54, 3654-3662		42
1147	Application of bioplastics for food packaging. <b>2013</b> , 32, 128-141		357
1146	Bio-Based Epoxy Resin/Clay Nanocomposites. <b>2013</b> , 189-209		5
1145	Influence of Keratin on Polylactic Acid/Chitosan Composite Properties. Behavior upon Accelerated Weathering. <b>2013</b> , 52, 9822-9833		43
1144	Poly lactide (PLA)-based nanocomposites. <i>Progress in Polymer Science</i> , <b>2013</b> , 38, 1504-1542	29.6	801
1143	Synthesis and self-assembly of amphiphilic polymers based on polyoxazoline and vegetable oil derivatives. <b>2013</b> , 4, 1445-1458		21
1142	Starch-based nano-biocomposites. <i>Progress in Polymer Science</i> , <b>2013</b> , 38, 1590-1628	29.6	376
1141	Interphase Modification and Compatibilization of Rubber Based Blends. <b>2013</b> , 263-281		2
1140	Preparation and properties of Starch-g-PLA/poly(vinyl alcohol) composite film. <b>2013</b> , 96, 384-8		45
1139	Fully bio-based poly(L-lactide)-b-poly(ricinoleic acid)-b-poly(L-lactide) triblock copolyesters: investigation of solid-state morphology and thermo-mechanical properties. <b>2013</b> , 4, 3357		45
1138	Stability enhancement of shellac by formation of composite film: Effect of gelatin and plasticizers. <b>2013</b> , 116, 572-580		40
1137	Thermal, mechanical and rheological properties of polylactide toughened by expoxidized natural rubber. <b>2013</b> , 45, 198-205		124



1136	A new microbial polysaccharide membrane for ethanol dehydration by pervaporation. <b>2013</b> , 425-426, 227-234	17
1135	Thermoplastic starch/poly(lactic acid) sheets coated with cross-linked chitosan. <b>2013</b> , 32, 94-98	46
1134	Biodegradation behavior of P(3HB,4HB)/PLA blends in real soil environments. <b>2013</b> , 32, 60-70	78
1133	Structure and physical properties of zein/pluronic f127 composite films. <b>2013</b> , 61, 1309-18	29
1132	A contemporary review on [p]olymer stereocomplexes and its biomedical application. <b>2013</b> , 5,	49
1131	Biological Effects and Extraction Processes Used to Obtain Marine Chitosan. <b>2013</b> , 193-217	3
1130	Natural Fiber and Plastic Composites. <b>2013</b> , 237-285	
1129	Thermoplastic starch and poly([epsilon]caprolactone) blends: morphology and mechanical properties as a function of relative humidity. <b>2013</b> , 20, 1	22
1128	Composite polymer-bioceramic scaffolds with drug delivery capability for bone tissue engineering. <b>2013</b> , 10, 1353-65	83
1127	Foaming behaviour and cell structure of poly(lactic acid) after various modifications. <b>2013</b> , 62, 759-765	25
1126	Thermal Properties of Poly(lactic Acid). <b>2013</b> , 109-141	3
1125	Thermal and mechanical properties of sorbitol-based epoxy resin cured with quercetin and the biocomposites with wood flour. <b>2013</b> , 128, 2753-2758	21
1124	Polyhydroxyalkanoates: The Natural Polymers Produced by Bacterial Fermentation. <b>2013</b> , 397-421	14
1123	Chopped basalt fibres: A new perspective in reinforcing poly(lactic acid) to produce injection moulded engineering composites from renewable and natural resources. <b>2013</b> , 7, 107-119	54
1122	Recent Development of Flax Fibres and Their Reinforced Composites Based on Different Polymeric Matrices. <b>2013</b> , 6, 5171-5198	146
1121	Effect of Volume Plasticizers on the Thermal Performance of Tacca leontopetaloides Starch Biopolymer. <b>2013</b> , 594-595, 882-886	4
1120	Morphology and Mechanical Properties of Natural Rubber-PCL Core-Shell/PLA Composites. <b>2013</b> , 747, 745-748	1
1119	Nonlinear behavior of PLA and lignin-based flax composites subjected to tensile loading. <b>2013</b> , 26, 476-496	31

1118	Preparation and Characterization of Biodegradable Cellulose Acetate-Starch Membrane. <b>2013</b> , 52, 387-392	33
1117	Miscibility in crystalline/amorphous blends of poly(3-hydroxybutyrate)/DGEBA. <b>2013</b> , 51, 680-686	9
1116	Bionanocomposites of Cassava Starch and Synthetic Clay. <b>2013</b> , 32, 483-501	5
1115	Preparation of Biodegradable Polymer Blended of Poly(L-Lactic Acid)/Cellulose Acetate Films in the Solvent Mixture. <b>2013</b> , 664, 702-706	3
1114	Kinetic and Nanomechanical Study of Poly (3-hydroxybutyrate)-Epoxidized Natural Rubber-Organomodified Montmorillonite Nanohybrids. <b>2013</b> , 844, 229-234	1
1113	Improving Melt Strength of Polylactic Acid. <b>2013</b> , 28, 64-71	21
1112	Effect of Benzoic Acid on the Crystallization Behavior of Poly(3-Hydroxybutyrate). <b>2013</b> , 52, 1521-1530	0
1111	Properties of coconut shell powder-filled polylactic acid ecomposites: Effect of maleic acid. <b>2013</b> , 53, 1109-1116	51
1110	- Polysaccharides from Seaweeds: Modification and Potential Application in Drug Delivery. <b>2013</b> , 626-655	
1109	Curing and thermal behaviors of inorganic/organic hybrid polyarylacetylene resins with polyhedral oligomeric octa(propargylaminophenyl)silsesquioxane. <b>2013</b> , 128, 4361-4367	2
1108	Thermoplastic Starch-based Composites Reinforced with Rape Fibers: Water Uptake and Thermomechanical Properties. <b>2013</b> , 8,	13
1107	Biocomposites: Influence of Matrix Nature and Additives on the Properties and Biodegradation Behaviour. <b>2013</b> ,	7
1106	Poly(lactic acid) filled with cassava starch-g-soybean oil maleate. <b>2013</b> , 2013, 860487	6
1105	Grand challenges in polymer chemistry: energy, environment, health. <b>2013</b> , 1, 31	9
1104	Preparation of Higher Molecular Weight Poly (L-lactic Acid) by Chain Extension. <b>2013</b> , 2013, 1-6	14
1103	. <b>2013</b> ,	23
1102	Biopolymer-based thermoplastic mixture for producing solid biodegradable shaped bodies and its photo degradation stability. <b>2013</b> , 50, 012068	
1101	Nanoparticles from renewable polymers. <b>2014</b> , 2, 49	64

1100	Microwave-Assisted Modification of Cellulose as a Compatibilizer for Pla and Mcc Biocomposite Film: Effects of Side Chain Length and Content on Mechanical and Thermal Properties. <b>2014</b> , 22, 613-624	6
1099	Applications of Polymer Blends. <b>2014</b> , 1433-1458	5
1098	Advanced Nano-biocomposites Based on Starch. <b>2014</b> , 1-75	12
1097	Thermal and mechanical properties of poly(lactic acid) modified by poly(ethylene glycol) acrylate through reactive blending. <b>2014</b> , 71, 3305-3321	25
1096	Flame-retardant and Anti-dripping Properties of Intumescent Flame-retardant Polylactide with Different Synergists. <b>2014</b> , 53, 387-394	14
1095	Pathways to Biodegradable Flame Retardant Polymer (Nano)Composites. <b>2014</b> , 709-773	7
1094	Preparation of biopolymer films by aqueous tape casting processing. <b>2014</b> , 30, 435-448	1
1093	Properties of poly(ethylene glycol)-grafted poly(lactic acid) plasticized with poly(ethylene glycol). <b>2014</b> , 22, 1312-1319	18
1092	Rheology and morphology of polyester/thermoplastic flour blends. <b>2014</b> , 131, n/a-n/a	5
1091	Synthesis of rosin acid starch catalyzed by lipase. <b>2014</b> , 2014, 647068	10
1090	Cellulose Acetate Blends - Effect of Plasticizers on Properties and Biodegradability. <b>2014</b> , 2, 35-41	21
1089	Physical and Mechanical Properties of Polymer Composite Materials Based on Olive Husk Flour. <b>2014</b> , 2, 249-257	2
1088	Rheological behaviour, filmability and mechanical properties of biodegradable polymer films. <b>2014</b> ,	4
1087	In Situ Polymerization of Bionanocomposites. <b>2014</b> , 69-88	1
1086	Dynamic Mechanical Thermal Analysis of Polymer Blends. <b>2014</b> , 365-392	1
1085	Effects of Formulation, Structure, and Processing on Biodegradation of Starches. <b>2014</b> , 357-378	4
1084	Studies on chain extension of a novel bio-based engineering elastomer using 4,4-diphenyl methane diisocyanate as a chain extender. <b>2014</b> , 131, n/a-n/a	3
1083	Homogeneous poly(L-lactic acid)/chitosan blended films. <b>2014</b> , 25, 1492-1500	4

1082	A review of poly(lactic acid)-based materials for antimicrobial packaging. <b>2014</b> , 79, R1477-90	161
1081	Cellulose acetate butyrate/poly(caprolactone triol) blends: Miscibility, mechanical properties, and in vivo inflammatory response. <b>2014</b> , 29, 654-61	9
1080	Miscible blends of polylactide and poly(methyl methacrylate): Morphology, structure, and thermal behavior. <b>2014</b> , 52, 1168-1177	33
1079	Polymer Blends: Introduction. <b>2014</b> , 3-170	4
1078	Electrospun CF-PHA Nanocomposites: Effect of Surface Modifications of Carbon Fibers. <b>2014</b> , 63, 262-267	6
1077	Lipidic polyols using thiol-ene/yne strategy for crosslinked polyurethanes. <b>2014</b> , 52, 1597-1606	18
1076	Morphology and properties of renewable poly(3-hydroxybutyrate-co-3-hydroxyvalerate) blends with thermoplastic polyurethane. <b>2014</b> , 54, 1113-1119	12
1075	Effects of melt annealing on the miscibility and crystallization of poly(butylene succinate)/poly(ethylene succinate) blends. <b>2014</b> , 46, 405-411	8
1074	Mechanical properties and delivery of drug/probiotics from starch and non-starch based novel bigels: A comparative study. <b>2014</b> , 66, 865-879	23
1073	Bacterial Cellulose and its Use in Renewable Composites. <b>2014</b> , 89-130	3
1072	Cellulose-Based Liquid Crystalline Composite Systems. <b>2014</b> , 215-235	2
1071	Cellulose-Based Starch Composites: Structure and Properties. <b>2014</b> , 125-145	1
1070	Interfacial Adhesion in Natural Fiber-Reinforced Polymer Composites. <b>2014</b> , 17-39	4
1069	Advanced synthetic and hybrid polymer biomaterials derived from inorganic and mixed organic/inorganic sources. <b>2014</b> , 100-120	
1068	Comparison of different processing methods to prepare poly(lactid acid)/Hydroxylapatite composites. <b>2014</b> , 54, 1804-1810	40
1067	Effect of LiCF <sub>3</sub> SO <sub>3</sub> on L-Chitosan/PMMA Blend Polymer Electrolytes. <b>2014</b> , 603, 66-72	2
1066	Spinning Angora Rabbit Wool-Like Porous Fibers from a Non-Equilibrated Gelatin/Water/2-Propanol Mixture. <b>2014</b> , 24, 1831-1839	10
1065	Processing of Plasticized Starch-Based Materials: State of the Art and Perspectives. <b>2014</b> , 257-289	12

1064	Recycled Cigarette Filter as Reinforcing Filler for Natural Rubber. <b>2014</b> , 705, 39-43		2
1063	Reactive Compatibilization. <b>2014</b> , 517-675		4
1062	Peripheral nerve conduits: technology update. <b>2014</b> , 7, 405-24		96
1061	Development of novel polysaccharide derived hybrid microcellular biocomposite and evaluation of cytotoxicity. <b>2014</b> , 48, 3303-3311		
1060	Polyhydroxyalkanoate (PHA): Review of synthesis, characteristics, processing and potential applications in packaging. <b>2014</b> , 8, 791-808		521
1059	Selected Properties and Shrinkage Compensating Effect by Injection Moulding of Origin and Recycled Thermoplastic Composites with Polypropylene (PP) Matrix, Talcum and Glass Fiber. <b>2014</b> , 1001, 187-193		4
1058	The Effects of Fiber Content in Plasticized Polyvinyl Alcohol (PVA) - Sweet Potato Peel Blends. <b>2014</b> , 699, 131-135		1
1057	Maintaining Structural Stability of Poly(lactic acid): Effects of Multifunctional Epoxy based Reactive Oligomers. <b>2014</b> , 6, 1232-1250		28
1056	Poly(lactic acid)/corn cob eco-composites: Effect of new organic coupling agent. <b>2014</b> , 27, 1667-1678		29
1055	The chemomechanical properties of microbial polyhydroxyalkanoates. <i>Progress in Polymer Science</i> , <b>2014</b> , 39, 397-442	29.6	135
1054	Flame retarded poly(lactic acid) using POSS-modified cellulose. 2. Effects of intumescent flame retardant formulations on polymer degradation and composite physical properties. <b>2014</b> , 106, 54-62		58
1053	Novel poly(3-hydroxybutyrate) nanocomposites containing WS2 inorganic nanotubes with improved thermal, mechanical and tribological properties. <b>2014</b> , 147, 273-284		31
1052	Investigation of injection moulded poly(lactic acid) reinforced with long basalt fibres. <b>2014</b> , 64, 99-106		41
1051	Kinetics of thermal degradation applied to biocomposites with TPS, PCL and sisal fibers by non-isothermal procedures. <b>2014</b> , 115, 153-160		34
1050	Influence of additives on recycled polymer blends. <b>2014</b> , 115, 811-821		8
1049	Stearyl methacrylate-grafted-chitosan nanoparticle as a nanofiller for PLA: Radiation-induced grafting and characterization. <b>2014</b> , 94, 205-210		18
1048	Characteristics of starch-based biodegradable composites reinforced with date palm and flax fibers. <b>2014</b> , 101, 11-9		139
1047	Effect of gamma ray on poly(lactic acid)/poly(vinyl acetate-co-vinyl alcohol) blends as biodegradable food packaging films. <b>2014</b> , 96, 12-18		15

1046	Film forming microbial biopolymers for commercial applications--a review. <b>2014</b> , 34, 338-57	66
1045	Thermal-oxidative degradation of high-amylose corn starch. <b>2014</b> , 115, 659-665	26
1044	Melt Compounded Blends of Short and Medium Chain-Length Poly-3-hydroxyalkanoates. <b>2014</b> , 22, 236-243	21
1043	Thermo-reversible Diels-Alder polymerization of difurfurylidene diglycerol and bismaleimide. <b>2014</b> , 76, 49-56	13
1042	Effect of organoclay on blends of individually plasticized thermoplastic starch and polypropylene. <b>2014</b> , 52, 38-45	23
1041	The influence of crude glycerin and nitrogen concentrations on the production of PHA by <i>Cupriavidus necator</i> using a response surface methodology and its characterizations. <b>2014</b> , 52, 338-346	37
1040	Preparation and Characterization of High-Melt-Strength Polylactide with Long-Chain Branched Structure through $\gamma$ -Radiation-Induced Chemical Reactions. <b>2014</b> , 53, 1150-1159	58
1039	Biobased thermosetting resins composed of L-lysine methyl ester and bismaleimide. <b>2014</b> , 131, n/a-n/a	7
1038	Utilization of Bioplastics for Food Packaging Industry. <b>2014</b> , 369-390	9
1037	Sophorolipid-induced dimpling and increased porosity in solvent-cast short-chain polyhydroxyalkanoate films: Impact on thermomechanical properties. <b>2014</b> , 131, n/a-n/a	9
1036	Miscibility, thermal properties and polymorphism of stereocomplexation of high-molecular-weight polylactide/poly(D,L-lactide) blends. <b>2014</b> , 580, 53-62	24
1035	Nanocomposites Based on Matrices Extracted from Vegetable Oils and Bacterial Cellulose. <b>2014</b> , 63-78	1
1034	Toward an infinitely reusable, recyclable, and renewable industrial ecosystem. <b>2014</b> , 66, 392-406	24
1033	Gluten Biopolymer and Nanoclay-Derived Structures in Wheat Gluten-Urea-Clay Composites: Relation to Barrier and Mechanical Properties. <b>2014</b> , 2, 1439-1445	27
1032	Fibrous protein-based hydrogels for cell encapsulation. <b>2014</b> , 35, 6727-38	103
1031	Long-chain aliphatic polyesters from plant oils for injection molding, film extrusion and electrospinning. <b>2014</b> , 16, 2008	67
1030	Chemical modification of lignins: Towards biobased polymers. <i>Progress in Polymer Science</i> , <b>2014</b> , 39, 1266-1290	1140
1029	Mechanical and thermal performance of distillers grains filled poly(butylene succinate) composites. <b>2014</b> , 57, 195-200	23

1028	Nanocomposites with superparamagnetic behavior based on a vegetable oil and magnetite nanoparticles. <b>2014</b> , 53, 90-99	43
1027	Bioplastics for Food Packaging. <b>2014</b> , 353-368	16
1026	Biodegradability of PP/HMSPP and natural and synthetic polymers blends in function of gamma irradiation degradation. <b>2014</b> , 94, 249-252	6
1025	Advanced synthetic polymer biomaterials derived from organic sources. <b>2014</b> , 71-99	6
1024	Application of Nano- and Microencapsulated Materials to Food Packaging. <b>2014</b> , 301-323	3
1023	Lightweight Materials from Biofibers and Biopolymers. <b>2014</b> , 1-20	2
1022	Controlled degradation of biocomposites ENR/PCL containing natural antioxidants. <b>2014</b> , 17, 1128-1135	5
1021	Simultaneous the thermodynamics favorable compatibility and morphology to achieve excellent comprehensive mechanics in PLA/OBC blend. <b>2014</b> , 55, 6409-6417	49
1020	Effect of Poly(l-lactide-co-ε-caprolactone) Macromonomer Composition on the Properties of Hot-Melt Adhesives with High Biomass Contents. <b>2014</b> , 53, 17376-17385	6
1019	In Situ Optical Analysis of Structural Changes in Polylactic Acid (PLA) during the Gas Dissolution Process. <b>2014</b> , 353, 131-136	
1018	In situ graft copolymerization of L-lactide onto cellulose and the direct melt spinning. <b>2014</b> , 4, 34584-34590	9
1017	Hydrophobicity, flame retardancy and antibacterial properties of cotton fabrics functionalised with MgO/methyl silicate nanocomposites. <b>2014</b> , 4, 32161	43
1016	Studies on crystallization kinetics of bimodal long chain branched polylactides. <b>2014</b> , 16, 2452	42
1015	Conductive polymers/zeolite (nano-)composites: under-exploited materials. <b>2014</b> , 4, 33935-33954	40
1014	Stereoblock-like Brush Copolymers Consisting of Poly(l-lactide) and Poly(d-lactide) Side Chains along Poly(norbornene) Backbone: Synthesis, Stereocomplex Formation, and Structure-Property Relationship. <b>2014</b> , 47, 7118-7128	42
1013	A smart artificial glutathione peroxidase with temperature responsive activity constructed by host-guest interaction and self-assembly. <b>2014</b> , 4, 25040-25050	7
1012	Chitin nanocrystals and nanofibers as nano-sized fillers into thermoplastic starch-based biocomposites processed by melt-mixing. <b>2014</b> , 256, 356-364	113
1011	Supertoughened renewable PLA reactive multiphase blends system: phase morphology and performance. <b>2014</b> , 6, 12436-48	165

1010	Epoxidized natural rubber toughened polylactic acid/talc composites: Mechanical, thermal, and morphological properties. <b>2014</b> , 48, 769-781	28
1009	Hybrid green nanocomposites of poly(lactic acid) reinforced with banana fibre and nanoclay. <b>2014</b> , 33, 1717-1732	22
1008	Super-tough poly(L-lactide)/crosslinked polyurethane blends with tunable impact toughness. <b>2014</b> , 4, 12857-12866	72
1007	Wheat gluten/chitosan blends: A new biobased material. <b>2014</b> , 60, 186-197	19
1006	Anticancer activity of starch/poly[N-(2-hydroxypropyl)methacrylamide]: biomaterial film to treat skin cancer. <b>2014</b> , 70, 116-23	6
1005	ENR/PCL Polymer biocomposites from renewable resources. <b>2014</b> , 17, 944-951	11
1004	The use of hot-melt extruded corn starch matrices as drug carrier systems: A thermophysical characterization. <b>2014</b> , 66, 923-933	2
1003	Crosslinked bicontinuous biobased PLA/NR blends via dynamic vulcanization using different curing systems. <b>2014</b> , 113, 438-45	46
1002	Crystallization and thermal properties of biodegradable polyurethanes based on poly[(R)-3-hydroxybutyrate] and their composites with chitin whiskers. <b>2014</b> , 131, n/a-n/a	14
1001	Morphology and Thermal Properties of Renewable Resource-Based Polymer Blend Nanocomposites Influenced by a Reactive Compatibilizer. <b>2014</b> , 2, 377-386	42
1000	A preliminary study on the development and characterisation of enzymatically grafted P(3HB)-ethyl cellulose based novel composites. <b>2014</b> , 21, 3613-3621	30
999	Structural stability of photodegradable poly(l-lactic acid)/PE/TiO <sub>2</sub> nanocomposites through TiO <sub>2</sub> nanospheres and TiO <sub>2</sub> nanotubes incorporation. <b>2014</b> , 71, 1205-1217	11
998	Proton mobility and copper coordination in polysaccharide- and gelatin-based bioblends and polyblends. <b>2014</b> , 21, 2247-2259	3
997	Mechanical Recycling of Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate)/Polylactide Based Blends. <b>2014</b> , 22, 449-459	28
996	Accelerating the degradation of polyolefins through additives and blending. <b>2014</b> , 131, n/a-n/a	21
995	Polybutylene succinate adipate/starch blends: a morphological study for the design of controlled release films. <b>2014</b> , 108, 272-80	28
994	Morphology and properties tuning of PLA/cellulose nanocrystals bio-nanocomposites by means of reactive functionalization and blending with PVAc. <b>2014</b> , 55, 3720-3728	143
993	Formation of nanosized islands of dialkyl ketooester bonds for efficient hydrophobization of a cellulose film surface. <b>2014</b> , 30, 8109-18	14



992	Supertough polylactide materials prepared through in situ reactive blending with PEG-based diacrylate monomer. <b>2014</b> , 6, 13552-63	117
991	Protein-based materials: from sources to innovative sustainable materials for biomedical applications. <b>2014</b> , 2, 3715-3740	109
990	Characterization of poly(2-vinylpyridine)-block-poly(methyl methacrylate) copolymers and blends of their homopolymers by liquid chromatography at critical conditions. <b>2014</b> , 406, 6311-7	11
989	Effect of nanosilver on the photodegradation of poly(lactic acid). <b>2014</b> , 131, n/a-n/a	19
988	Evaluation of three traditional Chinese medicine (TCM) starches and potential application in health product industry. <b>2014</b> , 40, 196-202	15
987	Improved barrier properties of poly(lactic acid) with randomly dispersed graphene oxide nanosheets. <b>2014</b> , 464, 110-118	141
986	Montmorillonite-levan nanocomposites with improved thermal and mechanical properties. <b>2014</b> , 101, 565-73	50
985	Crystallization of hard segment domains with the presence of butane for microcellular thermoplastic polyurethane foams. <b>2014</b> , 55, 651-662	74
984	Novel semi-IPN based on crosslinked carboxymethyl starch and clay for the in vitro release of theophylline. <b>2014</b> , 67, 238-45	19
983	Interactions between carboxymethyl konjac glucomannan and soy protein isolate in blended films. <b>2014</b> , 101, 136-45	76
982	Preparation of Biobased Monofunctional Compatibilizer from Cardanol To Fabricate Polylactide/Starch Blends with Superior Tensile Properties. <b>2014</b> , 53, 10653-10659	26
981	Characteristics of starch-based films plasticised by glycerol and by the ionic liquid 1-ethyl-3-methylimidazolium acetate: a comparative study. <b>2014</b> , 111, 841-8	53
980	Photopolymerization of keratin-based thiol-ene coatings. <b>2014</b> , 77, 1104-1110	6
979	Investigation of Carbon Nanotubes Mixing Methods and Functionalizations for Electrically Conductive Polymer Composites. <b>2014</b> ,	0
978	Effect of nano-SiO <sub>2</sub> on the properties of novel oxidized starch. <b>2014</b> , 3, 11-18	
977	Enhancing the mechanical and thermal properties of polyacrylonitrile through blending with tea polyphenol. <b>2014</b> , 131, n/a-n/a	3
976	Improved thermal and mechanical properties of poly(butylene succinate) by polymer blending with a thermotropic liquid crystalline polyester. <b>2014</b> , 131, n/a-n/a	8
975	Polyhydroxybutyrate-Chitosan Mixed Compositions Under External Influences—Changes in the Structural Parameters and Molecular Dynamics. <b>2014</b> , 119-130	

974	Cellulose/acrylic acid copolymer blends for films and coating applications. <b>2014</b> , 131, n/a-n/a	3
973	Characterization of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) biosynthesized by mixed microbial consortia fed fermented dairy manure. <b>2014</b> , 131, n/a-n/a	32
972	Improvement in impact strength of modified cardanol-bonded cellulose thermoplastic resin by adding modified silicones. <b>2014</b> , 131, n/a-n/a	6
971	Instantaneous stereocomplex driven self-assembly of enantiomeric poly(vinyl alcohol)-graft-oligo(lactide) copolymers in DMSO and thin film formation thereof. <b>2015</b> , 79, 195-204	5
970	The Effect of Natural Rubber and Plasticizer Addition on the Mechanical Properties of Tacca leontopetaloides Starch Based Polymer. <b>2015</b> , 1113, 127-134	
969	Heat resistance of new biobased polymeric materials, focusing on starch, cellulose, PLA, and PHA. <b>2015</b> , 132, n/a-n/a	44
968	Recent advances and migration issues in biodegradable polymers from renewable sources for food packaging. <b>2015</b> , 132, n/a-n/a	77
967	Electrospun Nanostructures as Biodegradable Composite Materials for Biomedical Applications. <b>2015</b> , 49-72	
966	Chemical modifications of poly(3-hydroxyalkanoates). <b>2015</b> , 4, 176-188	1
965	Preparation and characterization of reactive blends of poly(lactic acid), poly(ethylene-co-vinyl alcohol), and poly(ethylene-co-glycidyl methacrylate). <b>2015</b> ,	4
964	Structure, Chemistry and Pharmaceutical Applications of Biodegradable Polymers. <b>2015</b> , 517-540	3
963	Effect of compatibilization on the properties of in situ microfibrillar composites based on polylactic acid and polypropylene. <b>2015</b> ,	1
962	Peroxide induced cross-linking by reactive melt processing of two biopolyesters: Poly(3-hydroxybutyrate) and poly(l-lactic acid) to improve their melting processability. <b>2015</b> , 132, n/a-n/a	43
961	Biopolymer-Nanocomposites with Silica, Alumino-Silicate and Graphene: Structural Characterization and Properties. <b>2015</b> , 354, 221-229	1
960	Synthetic preparations, thermal properties and crystallization characterization of PLLA-PPG block copolymers/clay nanocomposites. <b>2015</b> , 26, 1226-1240	
959	Natural polyphenol tannic acid reinforced poly(3-hydroxybutyrate-co-3-hydroxyvalerate) composite films with enhanced tensile strength and fracture toughness. <b>2015</b> , 36, 2303-2308	10
958	Biodegradable polymer blends: miscibility, physicochemical properties and biological response of scaffolds. <b>2015</b> , 64, 1289-1302	20
957	Free radical polymerization of caffeine-containing methacrylate monomers. <b>2015</b> , 53, 2829-2837	3

956	Preparation of Surface-Modified Silica Particles from Rice Husk Ash and Its Composites with Degradable Polylactic Acid. <b>2015</b> , 354, 48-54	5
955	Poly(ethylene glycol) methyl ether methacrylate-graft-chitosan nanoparticles as a biobased nanofiller for a poly(lactic acid) blend: Radiation-induced grafting and performance studies. <b>2015</b> , 132, n/a-n/a	10
954	Study on flax fiber toughened poly (lactic acid) composites. <b>2015</b> , 132, n/a-n/a	11
953	Porous polylactic acid-silica hybrids: preparation, characterization, and study of mesenchymal stem cell osteogenic differentiation. <b>2015</b> , 15, 262-74	5
952	Free-radical terpolymerization of n-butyl acrylate/butyl methacrylate/d-limonene. <b>2015</b> , 132, n/a-n/a	7
951	. <b>2015</b> ,	1
950	Melt Characteristics of Poly-Lactide (PLA) Natural Fibre Composites. <b>2015</b> , 157-166	
949	Thermal Studies of the Starch and Polyvinyl Alcohol based Film and its Nano Composites. <b>2015</b> , 01,	2
948	Polysulfone/Cellulose Acetate Butyrate Environmentally Friendly Blend to minimize the Impact of UV Radiation. <b>2015</b> , 05,	3
947	POLYHYDROXYALKANOATES (PHAs) FOR TISSUE ENGINEERING APPLICATIONS: BIOTRANSFORMATION OF PALM OIL MILL EFFLUENT (POME) TO VALUE-ADDED POLYMERS. <b>2015</b> , 78,	5
946	Preparation and Characterization of Poly(lactic Acid)-based Composite Reinforced with Oil Palm Empty Fruit Bunch Fiber and Nanosilica. <b>2015</b> , 11,	22
945	Biobased additive plasticizing Polylactic acid (PLA). <b>2015</b> , 25, 581-590	71
944	Mechanical performance of starch-based biocomposites. <b>2015</b> , 53-92	2
943	Recycling of Waste Streams of the Biotechnological Poly(hydroxyalkanoate) Production by <i>Haloferax mediterranea</i> Whey. <b>2015</b> , 2015, 1-8	62
942	Processing, performance, and applications of plant and animal protein-based blends and their biocomposites. <b>2015</b> , 201-235	5
941	Biodegradation evaluation of bacterial cellulose, vegetable cellulose and poly (3-hydroxybutyrate) in soil. <b>2015</b> , 25, 154-160	21
940	Effect of Fiber Orientation on Mechanical Properties of Kenaf-Reinforced Polymer Composite. <b>2015</b> , 10,	27
939	Water Absorption and Thermomechanical Characterization of Extruded Starch/Poly(lactic acid)/Agave Bagasse Fiber Bioplastic Composites. <b>2015</b> , 2015, 1-7	16

938	Physical and Thermal Characterization of Alkali Treated Rice Husk Reinforced Polypropylene Composites. <b>2015</b> , 2015, 1-7	10
937	. <b>2015</b> ,	8
936	Biodegradability of Blended Polymers: A Comparison of Various Properties. <b>2015</b> , 45, 1801-1825	32
935	Ring-opening polymerization of <i>rac</i> -lactide and $\epsilon$ -methyltrimethylene carbonate catalyzed by magnesium and zinc complexes derived from binaphthyl-based iminophenolate ligands. <b>2015</b> , 44, 12420-31	28
934	Cork polymer biocomposites: Mechanical, structural and thermal properties. <b>2015</b> , 82, 282-289	40
933	Percutaneous Penetration Enhancers Chemical Methods in Penetration Enhancement. <b>2015</b> ,	5
932	A facile method to determine pore size distribution in porous scaffold by using image processing. <b>2015</b> , 76, 37-45	47
931	Electrical Properties of Starch/PEO Blend Polymer Electrolytes. <b>2015</b> , 754-755, 29-33	2
930	Stereocomplex formation in stereoblock copolymer networks composed of 4-armed star-shaped lactide oligomers and a 2-armed $\epsilon$ -caprolactone oligomer. <b>2015</b> , 6, 4123-4132	8
929	Effect of polypropylene, ethylene vinyl acetate and polyamide-6 on properties of recycled polypropylene/empty fruit bunch composites. <b>2015</b> , 16, 2359-2367	4
928	Mechanical and Thermal Behavior of Blends of Poly(hydroxybutyrate-co-hydroxyvalerate) with Ethylene Vinyl Acetate Copolymer. <b>2015</b> , 54, 1225-1232	11
927	Dip- and spin-assisted stereocomplexation-driven LbL self-assembly involving homochiral PVA-g-OLLA and PVA-g-ODLA copolymers. <b>2015</b> , 5, 107370-107377	3
926	Mechanical, thermal and rheological properties of hollow glass microsphere filled thermoplastic polyurethane composites blended by normal vane extruder. <b>2015</b> , 44, 306-313	19
925	Starch based polyurethanes: A critical review updating recent literature. <b>2015</b> , 134, 784-98	101
924	Blends of shellac as nanofiber formulations for wound healing. <b>2015</b> , 30, 472-489	9
923	Effect of a supercritical fluid on starch-based polymer processed with ionic liquid. <b>2015</b> , 63, 237-246	9
922	Formation of liquid crystals and behavior of LCST upon addition of xanthan gum (XG) to hydroxypropyl cellulose (HPC) solutions. <b>2015</b> , 22, 53-61	6
921	Role of chitin nanocrystals and nanofibers on physical, mechanical and functional properties in thermoplastic starch films. <b>2015</b> , 46, 93-102	102

920	Thermophysical properties and biodegradation behavior of green composites made from polyhydroxybutyrate and potato peel waste fermentation residue. <b>2015</b> , 69, 91-103	107
919	Improved wettability and adhesion of polylactic acid/chitosan coating for bio-based multilayer film development. <b>2015</b> , 332, 488-493	32
918	Modified biopolymer-dextrin based crosslinked hydrogels: application in controlled drug delivery. <b>2015</b> , 5, 25014-25050	98
917	Amaranth protein films reinforced with maize starch nanocrystals. <b>2015</b> , 47, 146-157	74
916	Effect of Corn Hominy and Polyvinyl Alcohol on Mechanical Properties of Cassava Starch-Baked Foam. <b>2015</b> , 54, 282-289	6
915	Cellulose Nanofiber-Protein Composite. <b>2015</b> , 449-464	1
914	Ion-induced effective control of morphologies of soy protein biocomposites. <b>2015</b> , 50, 2691-2699	3
913	The Effect of Filler Content and UltraPlast TP01 of Nypa Fruticans Fiber-Filled Polylactic Acid/Recycled Low Density Polyethylene Biocomposites on Tensile Properties and Morphology. <b>2015</b> , 54, 253-258	
912	Polylactic acid/polycaprolactone nanocomposite: Influence of montmorillonite and impact modifier on mechanical, thermal, and morphological properties. <b>2015</b> , 47, 69-87	26
911	Robust and biodegradable elastomers based on corn starch and polydimethylsiloxane (PDMS). <b>2015</b> , 7, 3742-53	75
910	Characteristics of protein-based biopolymer and its application. <b>2015</b> , 55, 485-498	88
909	Characteristics of starch-based films with different amylose contents plasticised by 1-ethyl-3-methylimidazolium acetate. <b>2015</b> , 122, 160-8	39
908	Recycling PLA to multifunctional oligomeric compatibilizers for PLA/starch composites. <b>2015</b> , 64, 126-137	35
907	Strength of cellulosic fiber/starch acetate composites with variable fiber and plasticizer content. <b>2015</b> , 49, 1007-1017	9
906	Physical properties and prebiotic activity of maize starch-based functional films. <b>2015</b> , 67, 124-131	15
905	Synthesis by extrusion: continuous, large-scale preparation of MOFs using little or no solvent. <b>2015</b> , 6, 1645-1649	267
904	Development of a novel regenerated cellulose composite material. <b>2015</b> , 121, 382-7	14
903	Assessment of miscibility, crystallization behaviors, and toughening mechanism of polylactide/acrylate copolymer blends. <b>2015</b> , 55, 386-396	33

902	Development of dense films from Melia azedarach polysaccharides. <b>2015</b> , 132, n/a-n/a	2
901	Study of the effect of nanosized carbon black on flammability and mechanical properties of poly(butylene succinate). <b>2015</b> , 26, 128-135	17
900	Bio-based polymers, supercritical fluids and tissue engineering. <b>2015</b> , 50, 826-838	63
899	The influence of $\gamma$ radiation on the properties of elastomers based on ethylene propylene diene terpolymer and chlorosulfonated polyethylene rubber. <b>2015</b> , 28, 1361-1372	2
898	Effects of o-Methoxy Groups on the Properties and Thermal Stability of Renewable High-Temperature Cyanate Ester Resins. <b>2015</b> , 48, 3173-3179	70
897	Effects of various nanomaterials on the properties of starch/poly(vinyl alcohol) composite films formed by blow extrusion process. <b>2015</b> , 24, 687-696	15
896	Morphology and phase transition of waxy cornstarch in solvents of 1-allyl-3-methylimidazolium chloride/water. <b>2015</b> , 78, 304-12	15
895	Morphology, miscibility and continuity development in poly(lactic acid)/poly(butylene adipate-co-terephthalate) blends. <b>2015</b> , 68, 202-212	109
894	Collagen based polyurethanes: A review of recent advances and perspective. <b>2015</b> , 80, 366-74	44
893	Polyester-based (bio)degradable polymers as environmentally friendly materials for sustainable development. <b>2014</b> , 16, 564-96	153
892	Preparation of graphene oxide/bio-based elastomer nanocomposites through polymer design and interface tailoring. <b>2015</b> , 6, 6140-6151	28
891	NMR relaxometry evaluation of nanostructured starch-PLA blends. <b>2015</b> , 45, 161-167	13
890	Solvent-free ring opening polymerization of $\epsilon$ -caprolactone and electrical properties of polycaprolactone blended BiFeO <sub>3</sub> nanocomposites. <b>2015</b> , 5, 43897-43905	9
889	Influence of glass microspheres on selected properties of polylactide composites. <b>2015</b> , 76, 13-19	15
888	Structure and properties of quaternary fulvic acid intercalated saponite/poly(lactic acid) nanocomposites. <b>2015</b> , 109-110, 136-142	25
887	Understanding the structural disorganization of starch in water-ionic liquid solutions. <b>2015</b> , 17, 13860-71	62
886	Physicochemical properties of green nanocrystalline cellulose isolated from recycled newspaper. <b>2015</b> , 5, 29842-29849	100
885	Active bilayer films of thermoplastic starch and polycaprolactone obtained by compression molding. <b>2015</b> , 127, 282-90	52

884	Synergistic effect of graphene and an ionic liquid containing phosphonium on the thermal stability and flame retardancy of polylactide. <b>2015</b> , 5, 27814-27822	44
883	Effect of fiber treatment on thermal properties and crystallization of sisal fiber reinforced polylactide composites. <b>2015</b> , 34, 718-730	22
882	Study on flame-retardant and UV-protection properties of cotton fabric functionalized with pyrolyzed CNT nanocomposite. <b>2015</b> , 5, 49062-49069	49
881	Compatibilization strategies in poly(lactic acid)-based blends. <b>2015</b> , 5, 32546-32565	174
880	Cellular structure and mechanical properties of starch-based foamed blocks reinforced with natural fibers and produced by microwave heating. <b>2015</b> , 66, 194-205	39
879	Valorization of waste jute fibers in developing low-density polyethylene /poly lactic acid bio-based composites. <b>2015</b> , 34, 649-661	9
878	Photoinduced topological transformation of cyclized polylactides for switching the properties of homocrystals and stereocomplexes. <b>2015</b> , 6, 3591-3600	42
877	Biodegradable Starch/Copolyesters Film Reinforced with Silica Nanoparticles: Preparation and Characterization. <b>2015</b> , 687-693	
876	Medical Applications for Biomaterials in Bolivia. <b>2015</b> ,	1
875	Polylactide/Poly(ε-hydroxytetradecanoic acid) Reactive Blending: A Green Renewable Approach to Improving Polylactide Properties. <b>2015</b> , 16, 1818-26	44
874	PLLA/ABS Blends Compatibilized by Reactive Comb Polymers: Double Tg Depression and Significantly Improved Toughness. <b>2015</b> , 3, 2542-2550	72
873	A Co-blended Locust Bean Gum and Polymethacrylate-NaCMC Matrix to Achieve Zero-Order Release via Hydro-Erosive Modulation. <b>2015</b> , 16, 1377-89	11
872	Design and preparation of natural layered silicate/bio-based elastomer nanocomposites with improved dispersion and interfacial interaction. <b>2015</b> , 79, 1-11	26
871	Synthesis and Characterization of Acrylated Epoxidized Flaxseed Oil for Biopolymeric Applications. <b>2015</b> , 30, 331-336	2
870	Wood polymer composites. <b>2015</b> , 195-249	12
869	Flow and foam properties of extruded maize flour and its biopolymer blends expanded by microwave. <b>2015</b> , 76, 567-575	10
868	New Solvent System for the Fabrication of Polyvinyl Alcohol /Gelatin Nanofibers via Electrospinning. <b>2015</b> , 1125, 406-410	4
867	Recent Development of Chitosan Nanocomposites with Multiple Potential Uses. <b>2015</b> , 497-531	2

866	Biocomposites of Alfa fibers dispersed in the Mater-Bi type bioplastic: Morphology, mechanical and thermal properties. <b>2015</b> , 78, 371-379	58
865	Improved thermal stability of polylactic acid (PLA) composite film via PLA- $\beta$ -cyclodextrin-inclusion complex systems. <b>2015</b> , 81, 591-8	21
864	Agro-industrial residue from starch extraction of <i>Pachyrhizus ahipa</i> as filler of thermoplastic corn starch films. <b>2015</b> , 134, 324-32	26
863	Polysaccharides from Bioagro-Waste for New Biomolecules. <b>2015</b> , 603-637	2
862	Interfacial improvements in biocomposites based on poly(3-hydroxybutyrate) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) bioplastics reinforced and grafted with $\beta$ -cellulose fibers. <b>2015</b> , 17, 4800-4814	80
861	Commercial potential and competitiveness of natural fiber composites. <b>2015</b> , 1-15	11
860	Comparison of Starch Fiber Filled-Polyvinyl Alcohol and Native Starch Filled-Polyvinyl Alcohol under Tensile Analysis. <b>2015</b> , 1113, 19-22	1
859	(Bio)degradation studies of degradable polymer composites with jute in different environments. <b>2015</b> , 16, 1362-1369	17
858	High moisture strength of cassava starch/polyvinyl alcohol-compatible blends for the packaging and agricultural sectors. <b>2015</b> , 22, 1	36
857	Studies on mechanical, thermal, and morphological characteristics of biocomposites from biodegradable polymer blends and natural fibers. <b>2015</b> , 93-140	15
856	Carbon nanotube reinforced polylactide/basalt fiber composites containing aluminium hypophosphite: thermal degradation, flame retardancy and mechanical properties. <b>2015</b> , 5, 105869-105879	36
855	Chain extended poly(3-hydroxybutyrate) with improved rheological properties and thermal stability, through reactive modification in the melt state. <b>2015</b> , 121, 222-229	23
854	Development of high-throughput chemiluminescence imaging instrument for parallel evaluation of polymer lifetime. <b>2015</b> , 121, 340-347	14
853	Cassava starch/kaolinite composite films. Thermal and mechanical properties related to filler-matrix interactions. <b>2015</b> , 36, 184-191	5
852	Recent Developments in Biocomposites Reinforced with Natural Biofillers from Food Waste. <b>2015</b> , 54, 87-99	16
851	Thermoplastic starch films and thermoplastic starch/polycaprolactone blends with oxygen-scavenging properties: Influence of water content. <b>2015</b> , 72, 192-199	52
850	Starch/polylactide sustainable composites: Interface tailoring with graphene oxide. <b>2015</b> , 69, 247-254	25
849	Sustainable use of cassava ( <i>Manihot esculenta</i> ) roots as raw material for biocomposites development. <b>2015</b> , 65, 79-89	56



848	PLA architectures: the role of branching. <b>2015</b> , 6, 850-867	93
847	Isolation of cellulose nanocrystals from onion skin and their utilization for the preparation of agar-based bio-nanocomposites films. <b>2015</b> , 22, 407-420	96
846	Influence of interphase properties on the effective behaviour of a starch-hemp composite. <b>2015</b> , 65, 1053-1063	14
845	Synthesis and characterization of a novel graft copolymer of partially carboxymethylated guar gum and N-vinylformamide. <b>2015</b> , 115, 776-84	12
844	Cellulose nanocrystal driven crystallization of poly(d,l-lactide) and improvement of the thermomechanical properties. <b>2015</b> , 132, n/a-n/a	36
843	Effective dispersion and crosslinking in PVA/cellulose fiber biocomposites via solid-state mechanochemistry. <b>2015</b> , 72, 855-61	31
842	Blending. <b>2015</b> , 117-185	5
841	Effect of unmodified rice straw on the properties of rice straw/polycaprolactone composites. <b>2015</b> , 41, 6371-6384	4
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839	Mineralisation of natural rubber (poly cis 1-4 isoprene) by co-cultured bacterial strains isolated from rubber plantation area. <b>2016</b> , 4, 1	1
838	Bioactive nanofiber dressings for wound healing. <b>2016</b> , 451-481	4
837	Starch-Based Biopolymer Reinforced with High Yield Fibers from Sugarcane Bagasse as a Technical and Environmentally Friendly Alternative to High Density Polyethylene. <b>2016</b> , 11,	11
836	Degradable Nursery Containers Made of Rice Husk and Cornstarch Composites. <b>2016</b> , 12,	2
835	Thermal Crosslinking of Maltodextrin and Citric Acid. Methodology to Control the Polycondensation Reaction under Processing Conditions. <b>2016</b> , 24, 643-654	18
834	. <b>2016</b> ,	16
833	Determination of the Mechanical Properties of Rubber by FT-NIR. <b>2016</b> , 2016, 1-7	7
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822	Compatibilization of cellulose acetate/poly(3-hydroxybutyrate) blends by grafting copolymer. <b>2016</b> , 56, 689-696	3
821	Super-toughened poly(l-lactic acid) fabricated via reactive blending and interfacial compatibilization. <b>2016</b> , 65, 1187-1194	15
820	Solid-state polymerization and characterization of a copolyamide based on adipic acid, 1,4-butanediamine, and 2,5-furandicarboxylic acid. <b>2016</b> , 133, n/a-n/a	24
819	Biodegradable Blends with Potential Use in Packaging: A Comparison of PLA/Chitosan and PLA/Cellulose Acetate Films. <b>2016</b> , 24, 363-371	45
818	Poly(lactic acid) blends in biomedical applications. <b>2016</b> , 107, 47-59	259
817	Enhanced properties of poly(lactic acid) with silica nanoparticles. <b>2016</b> , 27, 1156-1163	33
816	Lipid-derived monomer and corresponding bio-based nanocomposites. <b>2016</b> , 65, 653-660	9
815	Film blowing of PHBV blends and PHBV-based multilayers for the production of biodegradable packages. <b>2016</b> , 133, n/a-n/a	32
814	Biodegradable composites of poly(butylene succinate-co-butylene adipate) reinforced by poly(lactic acid) fibers. <b>2016</b> , 133,	3
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812	Chitin Nanofibers as Reinforcing and Antimicrobial Agents in Carboxymethyl Cellulose Films: Influence of Partial Deacetylation. <b>2016</b> , 4, 4385-4395	90
811	Modification of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) properties by reactive blending with a monoterpene derivative. <b>2016</b> , 133, n/a-n/a	10
810	Introducing all-polyamide composite coated fabrics: A method to produce fully recyclable single-polymer composite coated fabrics. <b>2016</b> , 133, n/a-n/a	7
809	Improvement of the mechanical behavior of bioplastic poly(lactic acid)/polyamide blends by reactive compatibilization. <b>2016</b> , 133,	34
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803	Polymeric Quaternary Ammonium-Containing Coatings with Potential Dual Contact-Based and Release-Based Antimicrobial Activity. <b>2016</b> , 8, 35593-35605	42
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801	Development of Polymeric Biocomposites: Particulate Incorporation, Interphase Generation and Evaluation by Nanoindentation. <b>2016</b> , 337-378	
800	Crystallization, Morphological, and Mechanical Response of Poly(Lactic Acid)/Lignin-Based Biodegradable Composites. <b>2016</b> , 55, 475-485	29
799	Water-dispersive PLA-based materials: from reactive melt processing to properties. <b>2016</b> , 27, 61-65	1
798	Preparation and characterization of acidified chitosan immobilized in epoxidized natural rubber. <b>2016</b> , 53, 1-6	16
797	Cellulose nano-biocomposites from high oleic sunflower oil-derived thermosets. <b>2016</b> , 79, 109-120	8
796	Synergistic effect of compatibilizer and sepiolite on the morphology of poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/poly(butylene succinate) blends. <b>2016</b> , 53, 19-28	21
795	The miscibility of collagen/hyaluronic acid/chitosan blends investigated in dilute solutions and solids. <b>2016</b> , 220, 726-730	42

- 794 Synthesis and structure design of new bio-based elastomers via Thiol-ene-Click Reactions. **2016**, 67, 554-560 6
- 793 The self-assembly of copolymers with one hydrophobic and one polyelectrolyte block in aqueous media: a dissipative particle dynamics study. **2016**, 18, 16127-36 32
- 792 New transparent poly(L-lactide acid) films as high-performance bio-based nanocomposites. **2016**, 6, 23949-23985
- 791 Biodegradable poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/thermoplastic polyurethane blends with improved mechanical and barrier performance. **2016**, 132, 52-61 22
- 790 PLA composites: From production to properties. **2016**, 107, 17-46 449
- 789 Soft-matrices based on silk fibroin and alginate for tissue engineering. **2016**, 93, 1420-1431 26
- 788 Formulations of polymeric biodegradable low-cost foam by melt extrusion to deliver plant growth-promoting bacteria in agricultural systems. **2016**, 100, 7323-38 12
- 787 In Situ Nanofibrillar Networks Composed of Densely Oriented Polylactide Crystals as Efficient Reinforcement and Promising Barrier Wall for Fully Biodegradable Poly(butylene succinate) Composite Films. **2016**, 4, 2887-2897 30
- 786 Polyhydroxyalkanoates: opening doors for a sustainable future. **2016**, 8, e265-e265 286
- 785 Characteristics of thermoplastic sugar palm Starch/Agar blend: Thermal, tensile, and physical properties. **2016**, 89, 575-81 73
- 784 Sustainable Composites from Biodegradable Polyester Modified with Camelina Meal: Synergistic Effects of Multicomponents on Ductility Enhancement. **2016**, 4, 3228-3234 13
- 783 Preparation of Cross-Linked High Amylose Corn-Starch and Its Effects on Self-Reinforced Starch Films. **2016**, 12, 673-680 4
- 782 Covalent and Non-covalent Modification of Graphene Oxide Through Polymer Grafting. **2016**, 287-351 1
- 781 Self-curing furan-based elastic thermosets derived from citric acid. **2016**, 18, 6320-6328 16
- 780 ESOA modified unsaturated polyester hybrid networks: A new perspective. **2016**, 133, 8
- 779 Synthesis, characterization and thermal, hydrolytic and oxidative degradation study of biobased (BisFuranic-Pyridinic) copolyesters. **2016**, 133, 283-292 5
- 778 Characterization of polylactide/poly(ethylene glycol) blends via direct pyrolysis mass spectrometry. **2016**, 122, 315-322 7
- 777 Effect of Water and [Emim][OAc] as Plasticizer on Gelatinization of Starch. **2016**, 148, 524-529 16

776	Photoinduced Metal-Free Atom Transfer Radical Polymerization of Biomass-Based Monomers. <b>2016</b> , 49, 7709-7717	46
775	Silk nanocrystals stabilized melt extruded poly (lactic acid) nanocomposite films: Effect of recycling on thermal degradation kinetics and optimization studies. <b>2016</b> , 643, 41-52	28
774	Four Different Regioisomeric Polycarbonates Derived from One Natural Product, d-Glucose. <b>2016</b> , 49, 7857-7867	23
773	Systems for Drug Delivery. <b>2016</b> ,	3
772	Mechanical characteristics and thermal behaviours of polylactide blend films: influence of nucleating agent and poly(butylenes adipate-co-terephthalate). <b>2016</b> , 45, 333-345	8
771	New biosourced UV curable coatings based on isosorbide. <b>2016</b> , 99, 393-399	13
770	Biodegradable polymer composites based on synthetic and natural polymers of various classes. <b>2016</b> , 58, 62-73	29
769	Development of a novel cellulose/duck feather composite fibre regenerated in ionic liquid. <b>2016</b> , 153, 115-123	11
768	Creep behaviour of injection-moulded basalt fibre reinforced poly(lactic acid) composites. <b>2016</b> , 35, 1600-1610 <sub>17</sub>	
767	Highly Efficient "Composite Barrier Wall" Consisting of Concentrated Graphene Oxide Nanosheets and Impermeable Crystalline Structure for Poly(lactic acid) Nanocomposite Films. <b>2016</b> , 55, 9544-9554	9
766	Starch-Based "Green" Composites. <b>2016</b> , 199-298	1
765	Heat-Induced Polycondensation Reaction with Self-Generated Blowing Agent Forming Aromatic Thermosetting Copolyester Foams. <b>2016</b> , 49, 6489-6496	20
764	New Insights on the Chemical Modification of Lignin: Acetylation versus Silylation. <b>2016</b> , 4, 5212-5222	59
763	Fatty Acid-Based Waterborne Coatings. <b>2016</b> , 161-182	
762	Innovative Gliadin/Glutenin and Modified Potato Starch Green Composites: Chemistry, Structure, and Functionality Induced by Processing. <b>2016</b> , 4, 6332-6343	16
761	Amorphous Polymer Blends: Recent Developments. <b>2016</b> , 101-112	
760	Novel Smart Chitosan-Grafted Alginate Microcapsules pH-Sensitive Hydrogel for Oral Protein Delivery: Release and Bio-Evaluation Studies. <b>2016</b> , 409-440	
759	Towards Biobased Aromatic Polymers from Lignins. <b>2016</b> , 385-436	4

758	RETRACTED ARTICLE: Towards understanding polyhydroxyalkanoates and their use. <b>2016</b> , 23, 1	20
757	Evolution of Cobalt Catalysis for Catalytic Construction of Si-H -Containing Semi-Penetrating Networks: Updated Application in Nanosilver-Catalyzed Alkynylation of Paraformaldehyde. <b>2016</b> , 1, 4034-4043 <sup>5</sup>	
756	Cationic surface modification of cellulose nanocrystals: Toward tailoring dispersion and interface in carboxymethyl cellulose films. <b>2016</b> , 107, 200-210	60
755	Polymer Inorganic Nanocomposites: A Sustainable Antimicrobial Agents. <b>2016</b> , 265-289	0
754	Agricultural Applications of Biodegradable Films. <b>2016</b> , 549-584	
753	Advanced Application of Natural Polysaccharides. <b>2016</b> , 147-170	
752	Shape-morphing composites with designed micro-architectures. <b>2016</b> , 6, 27933	56
751	Cellulose as an adhesion agent for the synthesis of lignin aerogel with strong mechanical performance, Sound-absorption and thermal Insulation. <b>2016</b> , 6, 32383	49
750	Control of biodegradability of triple-mixed aliphatic polyester films with calcined calcium oxide fine powder. <b>2016</b> , 56, 180-184	5
749	Natural Self-grown Fashion From Bacterial Cellulose: A Paradigm Shift Design Approach In Fashion Creation. <b>2016</b> , 19, 837-855	21
748	Structure-property relationships in ternary polymer blends with core-shell inclusions: revisiting the critical role of the viscosity ratio. <b>2016</b> , 23, 1	9
747	A THEIC-based polyphosphate melamine intumescent flame retardant and its flame retardancy properties for polylactide. <b>2016</b> , 122, 24-34	30
746	Biocomposites Composed of Bio-Based Epoxy Resins, Bio-Based Polyphenols and Lignocellulosic Fibers. <b>2016</b> , 131-180	0
745	Epoxidized natural rubber toughened poly(lactic acid)/halloysite nanocomposites with high activation energy of water diffusion. <b>2016</b> , 133, n/a-n/a	21
744	One-pot synthesis of biodegradable and linear poly(ester amide)s based on renewable resources. <b>2016</b> , 133, n/a-n/a	4
743	Experimental investigation of mechanical and microstructural properties of cemented paste backfill containing maple-wood filler. <b>2016</b> , 121, 222-228	64
742	From starch to polylactide and nano-graphene oxide: fully starch derived high performance composites. <b>2016</b> , 6, 54336-54345	32
741	Physical and mechanical properties of PLA, and their functions in widespread applications - A comprehensive review. <b>2016</b> , 107, 367-392	1194

740	Lignin and soy oil-derived polymeric biocomposites by grafting from RAFT polymerization. <b>2016</b> , 18, 4974-4981	54
739	Non-planar ring contained polyester modifying polylactide to pursue high toughness. <b>2016</b> , 128, 41-48	20
738	Biodegradable Polymer-Based Ternary Blends for Adsorption of Heavy Metal From Simulated Industrial Wastewater. <b>2016</b> , 46, 1664-1674	1
737	Protein adsorption through Chitosan-Alginate membranes for potential applications. <b>2016</b> , 10, 26	11
736	Structure, properties and rheological behavior of thermoplastic poly(lactic acid)/quaternary fulvic acid-intercalated saponite nanocomposites. <b>2016</b> , 73, 1015-1035	11
735	Evaluation and comparison of mid-infrared, Raman and near-infrared spectroscopies for characterization and determination of the compositions in fully biodegradable poly(lactic acid)/poly(propylene carbonate)/poly(butylene adipate-co-terephthalate) blends combined with thermogravimetry. <b>2016</b> , 53, 251-261	12
734	Starch/polyethylene nanocomposites: Mechanical, thermal, and biodegradability characteristics. <b>2016</b> , 37, 1384-1395	4
733	Potato starch-reinforced poly(vinyl alcohol) and poly(lactic acid) composites for biomedical applications. <b>2016</b> , 29, 1536-1553	11
732	Thermal Conductivity, Heat Capacity, and Elastic Constants of Water-Soluble Polymers and Polymer Blends. <b>2016</b> , 49, 972-978	156
731	Producing Pyridines via Thermocatalytic Conversion and Ammonization of Waste Polylactic Acid over Zeolites. <b>2016</b> , 4, 1115-1122	18
730	An Ultraviolet-Induced Reactive Extrusion To Control Chain Scission and Long-Chain Branching Reactions of Polylactide. <b>2016</b> , 55, 597-605	34
729	Structure and properties of hybrid PLA nanocomposites with inorganic nanofillers and cellulose fibers. <b>2016</b> , 82, 34-41	64
728	Use of thiol-ene click chemistry to modify mechanical and thermal properties of polyhydroxyalkanoates (PHAs). <b>2016</b> , 83, 358-65	24
727	Lignosulfonate as reinforcement in polyvinyl alcohol film: Mechanical properties and interaction analysis. <b>2016</b> , 83, 209-15	36
726	Spectroscopy: Introducing the advantages and application areas in polymer nanocomposites. <b>2016</b> , 1-14	1
725	Antimicrobial PLA/TPS/gelatin sheets with enzymatically crosslinked surface containing silver nanoparticles. <b>2016</b> , 133, n/a-n/a	6
724	Magnetism and structure of nanocomposites made from magnetite and vegetable oil based polymeric matrices. <b>2016</b> , 175, 81-91	9
723	Development and characterization of sugar palm starch and poly(lactic acid) bilayer films. <b>2016</b> , 146, 36-45	112

722	Copolymer of natural fibre reinforced polyester urethane: effect on physico-chemical properties through modification to interfacial adhesion. <b>2016</b> , 36, 189-197	
721	Thermally recyclable polylactic acid/cellulose nanocrystal films through reactive extrusion process. <b>2016</b> , 87, 268-282	90
720	Effect of pretreatment on the enzymatic synthesis of rosin acid starch. <b>2016</b> , 40, 2856-2862	4
719	NanoSrTiO <sub>3</sub> -filled PEOB(VdF-HFP)ClO <sub>4</sub> electrolytes with improved electrical and thermal properties. <b>2016</b> , 122, 1	8
718	Non-isothermal crystallization kinetics of sucrose palmitate reinforced poly(lactic acid) bionanocomposites. <b>2016</b> , 73, 21-38	9
717	Efficient continuous synthesis of high purity deep eutectic solvents by twin screw extrusion. <b>2016</b> , 52, 4215-8	76
716	Tough and Sustainable Graft Block Copolymer Thermoplastics. <b>2016</b> , 5, 407-412	77
715	Decomposition mechanism of polyesters based on 2,5-furandicarboxylic acid and aliphatic diols with medium and long chain methylene groups. <b>2016</b> , 132, 127-136	33
714	Processing and Characterization of Natural Polymers. <b>2016</b> , 19-61	4
713	Formulation of benzoxaborole drugs in PLLA: from materials preparation to in vitro release kinetics and cellular assays. <b>2016</b> , 4, 257-272	16
712	Numerical study of mechanical behaviour of a polypropylene reinforced with Alfa fibres. <b>2016</b> , 50, 2883-2893	6
711	Processing and Characterizations of Nanofiller-Modulated poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Composites. <b>2016</b> , 55, 663-671	3
710	Continuous production of controlled release dosage forms based on hot-melt extruded gum arabic: Formulation development, in vitro characterization and evaluation of potential application fields. <b>2016</b> , 497, 36-53	6
709	Increased functional properties and thermal stability of flexible cellulose nanocrystal/ZnO films. <b>2016</b> , 136, 250-8	66
708	Studies on methylcellulose/pectin/montmorillonite nanocomposite films and their application possibilities. <b>2016</b> , 136, 1218-27	68
707	Influence of Processing Conditions on Morphological, Thermal and Degradative Behavior of Nanocomposites Based on Plasticized Poly(3-hydroxybutyrate) and Organo-Modified Clay. <b>2016</b> , 24, 12-22	12
706	Recent developments and future prospects on bio-based polyesters derived from renewable resources: A review. <b>2016</b> , 82, 1028-40	138
705	Vegetal fiber-based biocomposites: Which stakes for food packaging applications?. <b>2016</b> , 133, n/a-n/a	43



704	Mechanical and thermal properties of conventional and microcellular injection molded poly (lactic acid)/poly (ε-caprolactone) blends. <b>2016</b> , 53, 59-67	29
703	Progress of Polymers from Renewable Resources: Furans, Vegetable Oils, and Polysaccharides. <b>2016</b> , 116, 1637-69	495
702	Graphene-modified poly(lactic acid) for packaging: Material formulation, processing and performance. <b>2016</b> , 133, n/a-n/a	12
701	Preparation of microcellular poly(lactic acid) composites foams with improved flame retardancy. <b>2017</b> , 53, 45-63	14
700	Effect of Alkalization on Mechanical and Moisture Absorption Properties of Azadirachta indica (Neem Tree) Fiber Reinforced Green Composites. <b>2017</b> , 70, 187-199	39
699	Effect of natural weather aging on the properties of poly(vinyl alcohol)/starch/graphene nanocomposite. <b>2017</b> , 69, 1600005	6
698	Structural evolution of uniaxial tensile-deformed injection molded poly(ε-caprolactone)/hydroxyapatite composites. <b>2017</b> , 38, 1771-1782	3
697	Characteristics of starch-based films produced using glycerol and 1-butyl-3-methylimidazolium chloride as combined plasticizers. <b>2017</b> , 69, 1600161	10
696	Preparation and characterization of polymer nanocomposites based on PVDF/PVC doped with graphene nanoparticles. <b>2017</b> , 7, 636-640	39
695	Sorting natural fibres: A way to better understand the role of fibre size polydispersity on the mechanical properties of biocomposites. <b>2017</b> , 95, 12-21	23
694	Biodegradable polycaprolactone-based composites reinforced with ramie and borassus fibres. <b>2017</b> , 167, 20-29	31
693	Influence of chitosan concentration on mechanical and barrier properties of corn starch/chitosan films. <b>2017</b> , 105, 1636-1643	178
692	Constructing Ultraporous Covalent Organic Frameworks in Seconds via an Organic Terracotta Process. <b>2017</b> , 139, 1856-1862	255
691	Surface lignin removal on coir fibers by plasma treatment for improved adhesion in thermoplastic starch composites. <b>2017</b> , 165, 429-436	67
690	Physico-mechanical properties of poly(lactic acid) biocomposites reinforced with cow dung. <b>2017</b> , 4, 025302	4
689	One-pot synthesis of crosslinked silicone-containing macromolecular charring agent and its synergistic flame retardant poly(l-lactic acid) with ammonium polyphosphate. <b>2017</b> , 28, 1409-1417	15
688	Developing a green and sustainable process for enhanced PHB production by Azohydromonas australica. <b>2017</b> , 10, 122-129	11
687	Synthesis, Characterization of Fulvic Acid-Poly(Methylmethacrylate) Graft Copolymers Based on Surface-Initiated Atom Transfer Radical Polymerization and its Effect on Performance of Poly(Lactic Acid). <b>2017</b> , 56, 1801-1812	7

686	Effects of Hydrophobic Modifications and Phase Transitions of Polyvinylamine Hydrogel Films on Reversible CO <sub>2</sub> Capture Behavior: Comparison between Copolymer Films and Blend Films for Temperature-Responsive CO <sub>2</sub> Absorption. <b>2017</b> , 218, 1600570	12
685	Water resistance and thermal properties of polyvinyl alcohol-starch fiber blend film. <b>2017</b> ,	13
684	Making a Supertough Flame-Retardant Polylactide Composite through Reactive Blending with Ethylene-Acrylic Ester-Glycidyl Methacrylate Terpolymer and Addition of Aluminum Hypophosphite. <b>2017</b> , 2, 1886-1895	21
683	A mini review on hydrogels classification and recent developments in miscellaneous applications. <b>2017</b> , 79, 958-971	230
682	Conformations and Intermolecular Interactions in Cellulose/Silk Fibroin Blend Films: A Solid-State NMR Perspective. <b>2017</b> , 121, 6108-6116	38
681	Preparation and characterization of starch-based composite films reinforced by corn and wheat hulls. <b>2017</b> , 134, 45159	34
680	Fabrication and Evaluation of Polycaprolactone/Poly(hydroxybutyrate) or Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate) Dual-Leached Porous Scaffolds for Bone Tissue Engineering Applications. <b>2017</b> , 302, 1600289	19
679	Bio-based poly(butylene succinate- co -hexamethylene succinate) copolyesters with tunable thermal and mechanical properties. <b>2017</b> , 86, 162-172	27
678	PAA-g-PLA amphiphilic graft copolymer: synthesis, self-assembly, and drug loading ability. <b>2017</b> , 8, 4098-4107	10
677	Compatibility confirmation and refinement of thermal and mechanical properties of poly (lactic acid)/poly (ethylene- co -glycidyl methacrylate) blend reinforced by hexagonal boron nitride. <b>2017</b> , 117, 1-9	30
676	Mixing sequence driven controlled dispersion of graphene oxide in PC/PMMA blend nanocomposite and its effect on thermo-mechanical properties. <b>2017</b> , 17, 1158-1168	32
675	Bioplastics. <b>2017</b> , 1-37	9
674	Investigation of polyvinylchloride and cellulose acetate blend membranes for desalination. <b>2017</b> , 1146, 14-22	20
673	Incorporation of supramolecular polymer-functionalized graphene: Towards the development of bio-based high electrically conductive polymeric nanocomposites. <b>2017</b> , 148, 89-96	14
672	Hydrolytic degradation of polylactic acid (PLA) and its composites. <b>2017</b> , 79, 1346-1352	331
671	Cam-based sustainable triboelectric nanogenerators with a resolution-free 3D-printed system. <b>2017</b> , 38, 326-334	39
670	Woven Kenaf/Kevlar Hybrid Yarn as potential fiber reinforced for anti-ballistic composite material. <b>2017</b> , 18, 563-568	32
669	Effect of annealing on gas permeability and mechanical properties of polylactic acid/talc composite films. <b>2017</b> , 33, 361-383	9

668	Sustainable biocarbon from pyrolyzed perennial grasses and their effects on impact modified polypropylene biocomposites. <b>2017</b> , 118, 116-124	65
667	Starch Based Rubber Nanocomposites. <b>2017</b> , 199-216	
666	Enzymic degradation of hydroxyethyl cellulose and analysis of the substitution pattern along the polysaccharide chain. <b>2017</b> , 169, 92-100	24
665	Dissolution of Starch with Aqueous Ionic Liquid under Ambient Conditions. <b>2017</b> , 5, 3737-3741	41
664	Multifunctional PP-Based Nanocomposites Incorporated with Organoclays, Poly(MA-alt-1-Dodecene)-g-SiO <sub>2</sub> Nanoparticles and Bioengineering Polyesters in Melt by Reactive Extrusion. <b>2017</b> , 56, 647-666	3
663	Surface properties of chitosan composites with poly(N-vinylpyrrolidone) and montmorillonite. <b>2017</b> , 59, 215-222	7
662	Rubber Based Bionanocomposites. <b>2017</b> ,	2
661	Progress in Toughening Poly(Lactic Acid) with Renewable Polymers. <b>2017</b> , 57, 557-593	115
660	Lifetime prediction of biodegradable polymers. <i>Progress in Polymer Science</i> , <b>2017</b> , 71, 144-189	29.6 274
659	Biodegradable blends of urea plasticized thermoplastic starch (UTPS) and poly(ε-caprolactone) (PCL): Morphological, rheological, thermal and mechanical properties. <b>2017</b> , 167, 177-184	37
658	Super-tough Poly(lactide) Thermoplastic Vulcanizates Based on Modified Natural Rubber. <b>2017</b> , 5, 78-84	59
657	Development and characterization of nanosoy-reinforced dextran nanocomposite membranes. <b>2017</b> , 134,	2
656	Effect of Process Parameters on Grafting Ratio and Thermal Stability of Lactide-Grafted Sisal Fiber. <b>2017</b> , 14, 86-96	2
655	Reactively extruded eco-composites based on poly(lactic acid)/bisphenol A polycarbonate blends reinforced with regenerated cellulose microfibers. <b>2017</b> , 139, 127-137	21
654	Correlation between traditional techniques and TD-NMR to determine the morphology of PHB/PCL blends. <b>2017</b> , 58, 159-165	25
653	Shear degradation of corn starches with different amylose contents. <b>2017</b> , 66, 199-205	36
652	Layer by layer deposition of polyethylenimine and bio-based polyphosphate on ammonium polyphosphate: A novel hybrid for simultaneously improving the flame retardancy and toughness of polylactic acid. <b>2017</b> , 108, 361-371	49
651	Papain wound dressings obtained from poly(vinyl alcohol)/calcium alginate blends as new pharmaceutical dosage form: Preparation and preliminary evaluation. <b>2017</b> , 113, 11-23	35

650	Environmental impact assessment of six starch plastics focusing on wastewater-derived starch and additives. <b>2017</b> , 127, 246-255	42
649	Superior Blends Solid Polymer Electrolyte with Integrated Hierarchical Architectures for All-Solid-State Lithium-Ion Batteries. <b>2017</b> , 9, 36886-36896	78
648	Characterization of the Thermo-Physical Performance of Bone Particles Proposed for Polymer Composites Production. <b>2017</b> , 40, 343-347	2
647	Synthesis and Characterization of Polymeric Hydrogels for Drug Release Formulation and Its Comparative Study. <b>2017</b> , 245-254	
646	Eco-friendly films prepared from plantain flour/PCL blends under reactive extrusion conditions using zirconium octanoate as a catalyst. <b>2017</b> , 178, 260-269	38
645	Sugar-cane bagasse derived cellulose enhances performance of polylactide and polydioxanone electrospun scaffold for tissue engineering. <b>2017</b> , 178, 238-250	23
644	Effects of waviness on fiber-length distribution and interfacial shear strength of natural fibers reinforced composites. <b>2017</b> , 152, 129-138	26
643	Preparation and characterization of poly(acrylic acid)/corn starch blend for use as chemical sand-fixing materials. <b>2017</b> , 4, 075506	5
642	Progress in Hydroxyapatite/Starch Based Sustainable Biomaterials for Biomedical Bone Substitution Applications. <b>2017</b> , 5, 8491-8512	104
641	Preparation and Characterization of Biobased Thermoset Polymers from Renewable Resources and Their Use in Composites. <b>2017</b> , 425-457	1
640	Microbial biotechnology addressing the plastic waste disaster. <b>2017</b> , 10, 1232-1235	47
639	Composites and Nanocomposites Based on Polylactic Acid. <b>2017</b> , 327-360	1
638	Biodegradable Composites: Properties and Uses. <b>2017</b> , 215-250	
637	Poly (Lactic Acid) Biopolymer Composites and Nanocomposites for Biomedicals and Biopackaging Applications. <b>2017</b> , 135-169	4
636	A Study on Thermal Behaviour of Thermoplastic Starch Plasticized by [Emim] Ac and by [Emim] Cl. <b>2017</b> , 184, 567-572	9
635	Poly(lactic acid)/starch composites: Effect of microstructure and morphology of starch granules on performance. <b>2017</b> , 134, 45504	15
634	PLLA/PMMA blend in polymer nanoparticles: influence of processing methods. <b>2017</b> , 295, 1621-1633	6
633	Cytotoxicity and in vivo biosafety of the polylactide based bone composite materials. <b>2017</b> , 25, 648-655	2

632	The Use of Wheat Straw as an Agricultural Waste in Composites for Semi-Structural Applications. <b>2017</b> , 515-531	2
631	The UV aging properties of maleic anhydride esterified starch/polylactic acid composites. <b>2017</b> , 32, 971-977	5
630	Packaging Composite Materials from Renewable Resources. <b>2017</b> , 525-561	
629	Chitosan -Based Composite Materials: Fabrication and Characterization. <b>2017</b> , 103-136	1
628	Acrylated Epoxidized Flaxseed Oil Bio-Resin and Its Biocomposites. <b>2017</b> , 121-142	
627	Strategies to Improve the Functionality of Starch-Based Films. <b>2017</b> , 311-337	1
626	The Effect of Gamma Radiation on Biodegradability of Natural Fiber/PP-HMSPP Foams: A Study of Thermal Stability and Biodegradability. <b>2017</b> , 339-353	1
625	Size optimization and in vitro biocompatibility studies of chitosan nanoparticles. <b>2017</b> , 104, 1794-1806	60
624	Influence of initial fiber length on the mechanical and tribological properties of hemp fiber reinforced plants-derived polyamide 1010 biomass composites. <b>2017</b> ,	2
623	Synthesis of an amphiphilic graft copolymer bearing a hydrophilic poly(acrylate acid) backbone for drug delivery of methotrexate. <b>2017</b> , 7, 54562-54569	4
622	Humidity-Activated Shape Memory Effects on Thermoplastic Starch/EVA Blends and Their Compatibilized Nanocomposites. <b>2017</b> , 218, 1700388	16
621	Montmorillonite-alginate beads: Natural mineral and biopolymers based sorbent of paraquat herbicides. <b>2017</b> , 5, 5868-5875	42
620	Immiscible polymer blends compatibilized with reactive hybrid nanoparticles: Morphologies and properties. <b>2017</b> , 132, 353-361	35
619	One-pot oligoamides syntheses from L-lysine and L-tartaric acid. <b>2017</b> , 7, 12054-12062	8
618	Enhancement of Moisture Protective Properties and Stability of Pectin through Formation of a Composite Film: Effects of Shellac and Plasticizer. <b>2017</b> , 82, 2915-2925	11
617	Largely improved toughness of poly(lactic acid) by unique electrospun fiber network structure of thermoplastic polyurethane. <b>2017</b> , 64, 250-253	7
616	Study pultruded Jute fabric effect on the cementitious thin composites mechanical properties with low fiber volume fraction. <b>2017</b> , 56, 415-421	4
615	Degradation of polymer blends: A brief review. <b>2017</b> , 145, 79-92	104

614	Effects of Levan on the Biodegradability and Thermal Properties of Polybutylene Succinate. <b>2017</b> , 737, 294-298	1
613	Cancer drug delivery in the nano era: An overview and perspectives (Review). <b>2017</b> , 38, 611-624	195
612	Thermoplastic-based nanoblends: Preparation and characterizations. <b>2017</b> , 17-56	3
611	Effect of reactive functionalization on properties and degradability of poly(lactic acid)/poly(vinyl acetate) nanocomposites with cellulose nanocrystals. <b>2017</b> , 110, 1-9	32
610	Properties and performances of fabrics made from bio-based and degradable polylactide acid/poly(hydroxybutyrate- co-hydroxyvalerate) (PLA/PHBV) filament yarns. <b>2017</b> , 87, 2464-2474	12
609	Polymer blend of PLA/PHBV based bionanocomposites reinforced with nanocrystalline cellulose for potential application as packaging material. <b>2017</b> , 157, 1323-1332	66
608	Preparation of the chitosan/polyacrylonitrile semi-IPN hydrogel via glutaraldehyde vapors for the removal of Rhodamine B dye. <b>2017</b> , 74, 1535-1551	28
607	Blends and Alloys. <b>2017</b> , 155-184	4
606	Lamellar structure change of waxy corn starch during gelatinization by time-resolved synchrotron SAXS. <b>2017</b> , 62, 43-48	55
605	Thermoplastic Starch: A Possible Biodegradable Food Packaging Material. Review. <b>2017</b> , 40, e12447	118
604	Cassava starch-based nanocomposites reinforced with cellulose nanofibers extracted from sisal. <b>2017</b> , 134,	36
603	Effect of Octenyl Succinate Starch on Properties of Tapioca Thermoplastic Starch Blends. <b>2017</b> , 751, 290-295	3
602	Chitin- and Shell-Based Benzoxazines. <b>2017</b> , 499-521	2
601	IR Spectroscopy for the Analysis of Scattering Polymeric Materials*. <b>2017</b> , 84, 837-842	6
600	1. Cellulose and potential reinforcement. <b>2017</b> , 1-46	
599	Crystallization of ultrathin poly(3-hydroxybutyrate) films in blends with small amounts of poly(L-lactic acid): correlation between film thickness and molecular weight of poly(L-lactic acid). <b>2017</b> , 7, 52651-52660	1
598	The effects of screw rotation speed on viscosity, mooney scorch time and dieswell of hot-feed blending rubber-compound prepared by gs/w 250 extruder machine. <b>2017</b> , 204, 012021	1
597	Wood as bio-based building material. <b>2017</b> , 21-96	7

596	Biodegradable polymernanocomposites for packaging applications. <b>2017</b> , 329-363	6
595	Poly(lactic acid) Composites Containing Carbon-Based Nanomaterials: A Review. <b>2017</b> , 9,	84
594	Evaluation of Chitosan and Cellulosic Polymers as Binding Adsorbent Materials to Prevent Aflatoxin B1, Fumonisin B1, Ochratoxin, Trichothecene, Deoxynivalenol, and Zearalenone Mycotoxins Through an In Vitro Gastrointestinal Model for Poultry. <b>2017</b> , 9,	28
593	Industrial Bioprocesses and the Biorefinery Concept. <b>2017</b> , 3-27	6
592	Thermoplastic biopolymer matrices for biocomposites. <b>2017</b> , 81-123	4
591	Starch Thermal Processing. <b>2017</b> , 187-227	2
590	Bioplastics. <b>2017</b> , 631-652	16
589	Applications. <b>2017</b> , 105-212	
588	Synergistic Effect of EG and Cloisite 15A on the Thermomechanical Properties and Thermal Conductivity of EVA/PCL Blend. <b>2017</b> , 20, 109-118	6
587	Effect of Fungal Deterioration on Physical and Mechanical Properties of Hemp and Flax Natural Fiber Composites. <b>2017</b> , 10,	19
586	Algae-Derived Polyester Blends and Composites. <b>2017</b> , 459-497	
585	Cork biomass biocomposites: Lightweight and sustainable materials. <b>2017</b> , 365-385	4
584	Chitosan Immobilized Cotton Fibres for Antibacterial Textile Materials. <b>2017</b> , 8, 61-70	4
583	CHARACTERIZATION OF TAPIOCA STARCH PLASTICIZED BY 1-ETHYL-3-METHYLIMIDAZOLIUM ACETATE. <b>2017</b> , 79,	
582	Development of Clay-Based Films. <b>2018</b> , 18, 1020-1032	14
581	Influence of the admicelled poly(methyl methacrylate) on the compatibility and toughness of poly(lactic acid). <b>2018</b> , 33, 662-673	2
580	Synergistic effect between aluminum hypophosphite and a new intumescent flame retardant system in poly(lactic acid). <b>2018</b> , 135, 46359	22
579	The use of rye, oat and triticale straw as fillers of natural rubber composites. <b>2018</b> , 75, 4607-4626	14

578	Mechanochemistry and organic synthesis: from mystical to practical. <b>2018</b> , 20, 1435-1443	235
577	Thermally-activated shape memory effect on biodegradable nanocomposites based on PLA/PCL blend reinforced with hydroxyapatite. <b>2018</b> , 151, 36-51	45
576	Catalytic metal-based systems for controlled statistical copolymerisation of lactide with a lactone. <b>2018</b> , 9, 2517-2531	47
575	Molecular dynamics simulations of montmorillonite reinforcing amylose plasticized by Brazilian Cerrado oils: polymer-clay nanocomposite. <b>2018</b> , 8, 266-274	3
574	A study of mechanical and morphological properties of PLA based biocomposites prepared with EJO vegetable oil based plasticiser and kenaf fibres. <b>2018</b> , 5, 085314	12
573	Fabrication of reversible thermoresponsive thin films on wood surfaces with hydrophobic performance. <b>2018</b> , 119, 15-22	12
572	Morphology and thermal properties of clay based biocomposites. <b>2018</b> , 38, 785-793	2
571	Influence of ZrO <sub>2</sub> filler on physico-chemical properties of PVA/NaClO <sub>4</sub> polymer composite electrolytes. <b>2018</b> , 1, 518-529	6
570	Acoustic properties of biodegradable composite micro-perforated panel (BC-MPP) made from kenaf fibre and polylactic acid (PLA). <b>2018</b> , 138, 179-187	26
569	Effects of chain-extending stabilizer on bioplastic poly(lactic acid)/polyamide blends compatibilized by reactive extrusion. <b>2018</b> , 153, 118-129	16
568	Effect of the nano-fibrillation of bamboo pulp on the thermal, structural, mechanical and physical properties of nanocomposites based on starch/poly(vinyl alcohol) blend. <b>2018</b> , 25, 1823-1849	22
567	Mechanical and Thermal Oxidation Behavior of Poly(Lactic Acid)/Halloysite Nanotube Nanocomposites Containing N,N'-Ethylenebis(Stearamide) and SEBS-g-MA. <b>2018</b> , 26, 2973-2982	8
566	Effects of Compressed CO <sub>2</sub> and Cotton Fibers on the Crystallization and Foaming Behaviors of Polylactide. <b>2018</b> , 57, 2094-2104	25
565	Characterization of medium-chain-length polyhydroxyalkanoate biosynthesis by <i>Pseudomonas mosselii</i> TO7 using crude glycerol. <b>2018</b> , 82, 532-539	15
564	Studies on gamma irradiated rubber materials. <b>2018</b> , 294, 012002	
563	Covalent organic frameworks (COFs): perspectives of industrialization. <b>2018</b> , 20, 1613-1634	71
562	Tailoring the functional properties of polyurethane foam with dispersions of carbon nanofiber for power generator applications. <b>2018</b> , 449, 507-513	15
561	Simultaneously reinforce and toughen polypropylene by in-situ introducing polylactic acid microfibrils. <b>2018</b> , 29, 1469-1477	3



560	Rational design of sustainable polyurethanes from castor oil: towards simultaneous reinforcement and toughening. <b>2018</b> , 61, 993-1000	16
559	Bioplastics from vegetable waste via an eco-friendly water-based process. <b>2018</b> , 20, 894-902	62
558	Delamination of Mg-Al Layered Double Hydroxide on Starch: Change in Structural and Thermal Properties. <b>2018</b> , 57, 1585-1591	4
557	Functionalized chitosan mediated stereocomplexation of poly(lactic acid): Influence on crystallization, oxygen permeability, wettability and biocompatibility behavior. <b>2018</b> , 142, 196-208	17
556	Reinforcement of natural fiber yarns by cellulose nanomaterials: A multi-scale study. <b>2018</b> , 111, 471-481	20
555	Development and characterization of biodegradables packaging obtained from biopolymers mixture. <b>2018</b> , 55, 11-16	3
554	Structural and optical properties improvements of PVP/gelatin blends induced by neutron irradiation. <b>2018</b> , 146, 47-54	3
553	Tough aliphatic-aromatic copolyester and chicken egg white flexible biopolymer blend with bacteriostatic effects. <b>2018</b> , 15, 9-16	11
552	Natural polymers for disposable organic thin film transistors. <b>2018</b> , 54, 154-160	16
551	Biopolymer-Aerogele und -Schäume: Chemie, Eigenschaften und Anwendungen. <b>2018</b> , 130, 7704-7733	18
550	Biopolymer Aerogels and Foams: Chemistry, Properties, and Applications. <b>2018</b> , 57, 7580-7608	292
549	Biodegradable Polyester Thermogelling System as Emerging Materials for Therapeutic Applications. <b>2018</b> , 303, 1700656	10
548	Manufacturing, mechanical and flame retardant properties of poly(lactic acid) biocomposites based on calcium magnesium phytate and carbon nanotubes. <b>2018</b> , 110, 227-236	80
547	Design and preparation of rapid full bio-degradable plastic composites based on poly(butylene succinate). <b>2018</b> , 39, E609-E619	3
546	Synergistic role of Ag nanoparticles and Cu nanorods dispersed on graphene on membrane desalination and biofouling. <b>2018</b> , 65, 127-136	10
545	Phase morphology, fracture toughness and failure mechanisms in super-toughened PLA/PB-g-SAN/PMMA ternary blends: A quantitative analysis of crack resistance. <b>2018</b> , 67, 380-391	13
544	Bio-Based PLA/NR-PMMA/NR Ternary Thermoplastic Vulcanizates with Balanced Stiffness and Toughness: Soft-Hard-Core-Shell Continuous Rubber Phase, In Situ Compatibilization, and Properties. <b>2018</b> , 6, 6488-6496	76
543	Enhanced mechanical and thermal properties of poly (lactic acid)/bamboo fiber composites via surface modification. <b>2018</b> , 37, 841-852	18

542	Enzymatic degradation of poly-[(R)-3-hydroxybutyrate]: Mechanism, kinetics, consequences. <b>2018</b> , 112, 156-162	12
541	Unexpected brittleness: Does the major component in binary polymer blends always make sense?. <b>2018</b> , 142, 218-225	2
540	Mechanical, Thermal, Morphological, and Biodegradable Studies of Okra Cellulosic Fiber Reinforced Starch-Based Biocomposites. <b>2018</b> , 37, 104-112	16
539	Biodegradation properties of melt processed PBS/chitosan bio-nanocomposites with silica, silicate, and thermally reduced graphene. <b>2018</b> , 39, 386-397	6
538	Torque rheological properties of agro-waste-based polypropylene composites: Effect of filler content and green coupling agent. <b>2018</b> , 24, E30-E35	7
537	Multifunctional ternary composites of poly (vinyl alcohol)/cashew tree gum/pumice particles. <b>2018</b> , 39, 38-45	17
536	A review on present status and future challenges of starch based polymer films and their composites in food packaging applications. <b>2018</b> , 39, 2499-2522	86
535	Wear Behavior of Chitosan-Filled Polylactic Acid/Basalt Fiber Hybrid Composites. <b>2018</b> , 37, 898-905	7
534	Influence of Amphiphilic Plasticizer on Properties of Thermoplastic Starch Films. <b>2018</b> , 57, 17-27	10
533	Influence of Plasticizers on Mechanical and Thermal Properties of Methyl Cellulose-Based Edible Films. <b>2018</b> , 26, 291-300	4
532	Nitrate permeability of semi-permeable membranes prepared from binary blends of cellulose triacetate and chitosan. <b>2018</b> , 58, 192-197	2
531	Modification of starch by graft copolymerization. <b>2018</b> , 70, 1600351	47
530	A Review of Cellulose and Cellulose Blends for Preparation of Bio-derived and Conventional Membranes, Nanostructured Thin Films, and Composites. <b>2018</b> , 58, 102-163	50
529	A Review on Biodegradable Polymeric Materials Striving Towards the Attainment of Green Environment. <b>2018</b> , 26, 838-865	35
528	Biosynthesis, Microstructural Characterisations and Investigation of In-Vitro Mutagenic and Eco-Toxicological Response of a Novel Microbial Exopolysaccharide Based Biopolymer. <b>2018</b> , 26, 365-374	3
527	Development of Novel Biodegradable Polysaccharide-Based Composites and Investigation of Their Structure and Properties. <b>2018</b> , 26, 1727-1736	9
526	Production and evaluation the properties of laminated oat protein film and electrospun nylon. <b>2018</b> , 42, e13513	3
525	Effect of expandable graphite on thermal and flammability properties of poly(lactic acid)-starch/poly( $\epsilon$ -caprolactone) blend systems. <b>2018</b> , 58, 1619-1629	7

524	Effects of wheat gluten protein on the properties of starch based sustainable wood polymer nanocomposites. <b>2018</b> , 100, 137-145	14
523	Fabrication of Admicelled Natural Rubber by Polycaprolactone for Toughening Poly(lactic acid). <b>2018</b> , 26, 2268-2280	8
522	Synthesis and characterization of cassava starch with maleic acid derivatives by etherification reaction. <b>2018</b> , 180, 348-353	19
521	Polyhydroxyalkanoates: Properties and chemical modification approaches for their functionalization. <b>2018</b> , 34, 29-41	62
520	The properties of potato and cassava starch films combined with cellulose fibers and/or nanoclay. <b>2018</b> , 70, 1700115	12
519	Photo-producible and photo-degradable starch/TiO bionanocomposite as a food packaging material: Development and characterization. <b>2018</b> , 106, 661-669	39
518	Influence of filler loading and palm oil-based green coupling agent on torque rheological properties of polypropylene/cocoa pod husk composites. <b>2018</b> , 37, 2246-2252	8
517	Preparation and characterization of starch-based composite films reinforced by polysaccharide-based crystals. <b>2018</b> , 133, 122-128	73
516	Effects of environmental aging on physical properties of aromatic thermosetting copolyester matrix neat and nanocomposite foams. <b>2018</b> , 147, 49-56	13
515	Design of doum palm fibers biocomposites by Reactor/elongational flow MiXer: Evaluation of morphological, mechanical, and microstructural performances. <b>2018</b> , 39, E519-E530	1
514	Supertoughened Polylactide Binary Blend with High Heat Deflection Temperature Achieved by Thermal Annealing above the Glass Transition Temperature. <b>2018</b> , 6, 480-490	46
513	An in-depth study on crystallization kinetics of PET/PLA blends. <b>2018</b> , 27, 13-22	8
512	Polyoxymethylene/ethylene butylacrylate copolymer/ethylene-methyl acrylate-glycidyl methacrylate ternary blends. <b>2018</b> , 58, 1127-1134	57
511	Graft copolymerization of Soy Protein Isolate with Polylactide via Ring Opening Polymerization. <b>2018</b> , 410, 012011	8
510	Structure and Properties of Crumb Rubber Starch Composites. <b>2018</b> , 12, 1076-1081	4
509	Molecular dynamics studies of amylose plasticized with Brazilian Cerrado oils: part I. <b>2018</b> , 28, 266-274	1
508	Super heat deflection resistance stereocomplex crystallisation of PLA system achieved by selective laser sintering. <b>2018</b> , 13, 1604-1608	2
507	Feasibility Study of Chemical Treatments on Sorghum Fibres for Compatibility Enhancement in Polypropylene Composites. <b>2018</b> , 929, 70-77	2

506	Preparation and characterization of biopolymeric films with magnetic properties. <b>2018</b> , 670, 80-89	1
505	Effects of Surface Treatments on Tensile, Thermal and Fibre-matrix Bond Strength of Coir and Pineapple Leaf Fibres with Poly Lactic Acid. <b>2018</b> , 15, 1035-1046	52
504	Critical review on agrowaste cellulose applications for biopolymers. <b>2018</b> , 22, 185-216	41
503	Photoinduced Degradation of Polymer Films Using Polyglyoxylate-Polyester Blends and Copolymers. <b>2018</b> , 3, 18603-18612	6
502	Investigation of crystalline structure of plasticized poly (lactic acid)/Banana nanofibers composites. <b>2018</b> , 369, 012031	14
501	A study of mechanical and morphological properties of PLA based biocomposites prepared with EJO vegetable oil based plasticiser and kenaf fibres. <b>2018</b> , 368, 012011	5
500	PLA/EVA/Teak Wood Flour Biocomposites for Packaging Application: Evaluation of Mechanical Performance and Biodegradation Properties. <b>2018</b> , 2, 191-201	5
499	The colors of biotechnology: general overview and developments of white, green and blue areas. <b>2018</b> , 365,	24
498	Fabrication and characterization of composite cryobeads based on chitosan and starches-g-PAN as efficient and reusable biosorbents for removal of Cu, Ni, and Co ions. <b>2018</b> , 120, 1872-1883	50
497	Effects of Molecular Weight of Chitosan on the Biodegradability and Thermal Properties of Polybutylene Succinate/Chitosan Composites. <b>2018</b> , 775, 26-31	
496	Cross-Linked Hydrophobic Starch Granules in Blends with PLA. <b>2018</b> , 33, 89-95	
495	Assessment of localization and degradation of ZnO nano-particles in the PLA/PCL biocompatible blend through a comprehensive rheological characterization. <b>2018</b> , 158, 136-147	39
494	Ductility and Toughness Improvement of Injection-Molded Compostable Pieces of Polylactide by Melt Blending with Poly(Ecaprolactone) and Thermoplastic Starch. <b>2018</b> , 11,	27
493	Extrusion and Ionic Liquids: A Promising Combination To Develop High Performance Polymer Materials. <b>2018</b> , 189-208	
492	Preparation and Characterization of Thermoplastic Potato Starch/Halloysite Nano-Biocomposites: Effect of Plasticizer Nature and Nanoclay Content. <b>2018</b> , 10,	32
491	Development and characterization of biodegradable antimicrobial packaging films based on polycaprolactone, starch and pomegranate rind hybrids. <b>2018</b> , 18, 71-79	55
490	Quantitative Analysis of Relationship between Hansen Solubility Parameters and Properties of Alkali Lignin/Acrylonitrile-Butadiene-Styrene Blends. <b>2018</b> , 3, 9722-9728	2
489	Quaternized polysulfones-based blends: Surface properties and performance in life quality and environmental applications. <b>2018</b> , 71, 285-295	7

488	Blended Composites of Chitosan: Adsorption Profile for Mitigation of Toxic Pb (II) Ions from Water. <b>2018,</b>	2
487	Nonisothermal Melt Crystallization Kinetics of PHB/babassu Compounds. <b>2018, 21,</b>	2
486	Core-shell nanoparticles toughened polylactide with excellent transparency and stiffness-toughness balance. <b>2018, 164, 168-177</b>	20
485	Optimization of mechanical, thermal and hydrolytic degradation properties of Poly (lactic acid)/Poly (ethylene-co-glycidyl methacrylate)/Hexagonal boron nitride blend-composites through electron-beam irradiation. <b>2018, 428, 38-46</b>	5
484	Synthesis of anhydrous manganese hypophosphite microtubes for simultaneous flame retardant and mechanical enhancement on poly(lactic acid). <b>2018, 164, 44-50</b>	35
483	Influence of the composition and high shear stresses on the structure and properties of hybrid materials based on starch and synthetic copolymer. <b>2018, 196, 368-375</b>	10
482	Development and preparation of active starch films carrying tea polyphenol. <b>2018, 196, 162-167</b>	65
481	A starch-based stimuli-responsive magnetite nanohydrogel as de novo drug delivery system. <b>2018, 117, 418-426</b>	48
480	Highly-Toughened Polylactide- (PLA-) Based Ternary Blends with Significantly Enhanced Glass Transition and Melt Strength: Tailoring the Interfacial Interactions, Phase Morphology, and Performance. <b>2018, 51, 4298-4314</b>	60
479	PLA-PEG-PLA tri-block copolymers: Effective compatibilizers for promotion of the interfacial structure and mechanical properties of PLA/PBAT blends. <b>2018, 146, 179-187</b>	37
478	Controllable exfoliation of natural silk fibers into nanofibrils by protein denaturant deep eutectic solvent: nanofibrous strategy for multifunctional membranes. <b>2018, 20, 3625-3633</b>	72
477	Cellulose-Based Hydrogel for Industrial Applications. <b>2018, 1-41</b>	1
476	Reactive Extrusion. <b>2018, 449-496</b>	2
475	Specific Mechanical Energy and Thermal Degradation of Poly(lactic acid) and Poly(caprolactone)/Date Pits Composites. <b>2018, 2018, 1-10</b>	6
474	Structure and Property of Microinjection Molded Poly(lactic acid) with High Degree of Long Chain Branching. <b>2018, 57, 11312-11322</b>	12
473	Poly(3-Hydroxybutyrate--3-Hydroxyvalerate): Enhancement Strategies for Advanced Applications. <b>2018, 10,</b>	132
472	Preparation of Hemicellulose-based Hydrogel and its Application as an Adsorbent Towards Heavy Metal Ions. <b>2018, 13,</b>	12
471	Design of super-tough co-continuous PLA/NR/SiO <sub>2</sub> TPVs with balanced stiffness-toughness based on reinforced rubber and interfacial compatibilization. <b>2018, 165, 231-239</b>	72

470	Rheology, mechanical properties and thermal degradation kinetics of polypropylene (PP) and polylactic acid (PLA) blends. <b>2018</b> , 5, 085304	12
469	Effect of Babassu Natural Filler on PBAT/PHB Biodegradable Blends: An Investigation of Thermal, Mechanical, and Morphological Behavior. <b>2018</b> , 11,	16
468	Fibrous protein-based biomaterials (silk, keratin, elastin, and resilin proteins) for tissue regeneration and repair. <b>2018</b> , 175-204	22
467	Polylactic acid blends: The future of green, light and tough. <i>Progress in Polymer Science</i> , <b>2018</b> , 85, 83-127.6	257
466	Ion-Conductive and Thermal Properties of a Synergistic Poly(ethylene carbonate)/Poly(trimethylene carbonate) Blend Electrolyte. <b>2018</b> , 39, e1800146	15
465	Fabrication of PCL/PVP Electrospun Fibers loaded with Trans-anethole for Bone Regeneration in vitro. <b>2018</b> , 171, 698-706	26
464	Radiation Grafting of Biopolymers and Synthetic Polymers. <b>2018</b> , 205-250	1
463	Preparation of Polylactide Composite with Excellent Flame Retardance and Improved Mechanical Properties. <b>2018</b> , 36, 1385-1393	13
462	Use of sunflower seed fried oil as an ecofriendly plasticizer for starch and application of this thermoplastic starch as a filler for PLA. <b>2018</b> , 122, 545-552	26
461	Influence of microfibers length on PDLA/cellulose microfibers biocomposites crystallinity and properties. <b>2019</b> , 76, 1061-1079	6
460	Review on modification strategies of polyethylene/polypropylene immiscible thermoplastic polymer blends for enhancing their mechanical behavior. <b>2019</b> , 51, 291-336	58
459	The effects of PVAc on surface morphological and electrochemical performance of P(VdF-HFP)-based blend solid polymer electrolytes for lithium ion-battery applications. <b>2019</b> , 25, 2171-2181	14
458	Biodegradation of polyurethane-polyhydroxybutyrate elastomeric composite investigated from morphological and structural viewpoint. <b>2019</b> , 136, 46909	7
457	Plasticized jackfruit seed starch: a viable alternative for the partial replacement of petroleum-based polymer blends. <b>2019</b> , 76, 747-762	13
456	An insight on the process-property relationships of melt spun polylactic acid fibers. <b>2019</b> , 89, 4959-4966	2
455	Physical, thermal, morphological, and tensile properties of cornstarch-based films as affected by different plasticizers. <b>2019</b> , 22, 925-941	34
454	Hybrid Materials and Systems. <b>2019</b> , 133-159	
453	Graphene oxide embedded P(AAm)/PANI cryogel polymer composites for sensor application against pesticide, nitro compound, and organic dyes. <b>2019</b> , 56, 994-1003	1

452	The Biomass Allocation Feature of Pine-oak Mixed Forest on the Xiaolong Mountain in Gansu Province. <b>2019</b> , 237, 052057	
451	Effect of processing conditions on cell structure of starch-based foam. <b>2019</b> , 479, 012018	1
450	Structure-Property Relationships in Polyethylene-Based Composites Filled with Biochar Derived from Waste Coffee Grounds. <b>2019</b> , 11,	28
449	Comparative Study on the Behavior of Virgin and Recycled PolyolefinsCellulose Composites in Natural Environmental Conditions. <b>2019</b> , 3, 60	3
448	Modification of epoxidized natural rubber as a PLA toughening agent. <b>2019</b> , 136, 48267	12
447	Nanostructured Green Biopolymer Composites for Orthopedic Application. <b>2019</b> , 159-190	2
446	Poly lactide cellulose-based nanocomposites. <b>2019</b> , 137, 912-938	74
445	A novel core-shell nanofiber drug delivery system intended for the synergistic treatment of melanoma. <b>2019</b> , 137, 105002	27
444	Application of insoluble cross-linked starch particles as nucleation for foaming. <b>2019</b> , 479, 012011	
443	Polymers from Fossil and Renewable Resources. <b>2019</b> ,	4
442	Emerging technology nanotechnology. <b>2019</b> , 203-211	
441	PHA-Based Thermogel as a Controlled Zero-Order Chemotherapeutic Delivery System for the Effective Treatment of Melanoma.. <b>2019</b> , 2, 3591-3600	19
440	Thermal Properties of Poly(Lactic Acid). <b>2019</b> , 97-133	3
439	L. Miller (Palma Forrageira) as an Alternative Source of Cellulose for Production of Pharmaceutical Dosage Forms and Biomaterials: Extraction and Characterization. <b>2019</b> , 11,	9
438	Properties of biobased packaging material. <b>2019</b> , 25-111	1
437	Physicochemical properties of the electron beam irradiated bamboo powder and its bio-composites with PLA. <b>2019</b> , 175, 107098	25
436	Core-shell nanofibers of poly (ε-caprolactone) and Polyvinylpyrrolidone for drug delivery system. <b>2019</b> , 6, 115015	7
435	Influence of Two Different Nanofillers on the Crystallization Behavior and Dynamic Mechanical Properties of Biodegradable Poly(ethylene adipate). <b>2019</b> , 27, 2674-2681	7

434	Properties and Characterization of a PLA-Chitin-Starch Biodegradable Polymer Composite. <b>2019</b> , 11,	21
433	Biodegradable Polymers as Matrix for Biocomposites. <b>2019</b> , 467-481	
432	. <b>2019</b> ,	1
431	Optimum condition of conventional bleaching process for bleached shellac. <b>2019</b> , 42, e13291	4
430	. <b>2019</b> ,	5
429	Biopolymeric Material-based Blends: Preparation, Characterization, and Applications. <b>2019</b> , 57-76	
428	Biomonomers for Green Polymers: Introduction. <b>2019</b> , 1-24	1
427	Thermal Behavior of Binary and Ternary Blends Based on Poly (Styrene-co-Allyl Alcohol)/Cellulose Acetate Butyrate and an Organically Modified Bentonite. <b>2019</b> , 386, 1900006	
426	Multi-scale modeling and simulation of natural fiber reinforced composites (Bio-composites). <b>2019</b> , 1240, 012103	9
425	The Influence of Lignin Diversity on the Structural and Thermal Properties of Polymeric Microspheres Derived from Lignin, Styrene, and/or Divinylbenzene. <b>2019</b> , 12,	3
424	Preparation, microstructure and performance of poly (lactic acid)-Poly (butylene succinate-co-butylene adipate)-starch hybrid composites. <b>2019</b> , 177, 107384	11
423	Rheological, dynamic mechanical and transport properties of compatibilized starch/synthetic copolymer blends. <b>2019</b> , 120, 109209	9
422	Efficacy of cassava gel, Polyvinyl acetate and Hydroxyethyl cellulose as sizing agents for 30-cell paper egg tray. <b>2019</b> , 5, e00140	
421	Thermo-Mechanical Properties of PLA/Short Flax Fiber Biocomposites. <b>2019</b> , 9, 3797	36
420	Development of a Cassava Starch-Based Foam Incorporated with Grape Stalks Using an Experimental Design. <b>2019</b> , 27, 2853-2866	12
419	Study of the Interaction Between Oligomerised Recycled Poly(ethylene terephthalate) and Concrete Waste. <b>2019</b> , 27, 2915-2924	7
418	In situ reactive compatibilization of polylactic acid (PLA) and thermoplastic starch (TPS) blends; synthesis and evaluation of extrusion blown films thereof. <b>2019</b> , 141, 111748	48
417	Toward Sustainable PLA-Based Multilayer Complexes with Improved Barrier Properties. <b>2019</b> , 7, 3759-3771	33



416	Friction and wear properties of recycled natural fiber reinforced plant-derived polyamide 1010 biomass composites. <b>2019</b> ,	2
415	Effects of blending sequences and molecular structures of the compatibilizers on the morphology and properties of PLLA/ABS blends.. <b>2019</b> , 9, 2189-2198	9
414	The Microstructure of GNR and the Mechanical Properties of Biobased PLA/GNR Thermoplastic Vulcanizates with Excellent Toughness. <b>2019</b> , 12,	3
413	Morphological and mechanical properties of treated kenaf fiber/MMT clay reinforced PLA hybrid biocomposites. <b>2019</b> ,	11
412	Cellulose-starch Hybrid Films Plasticized by Aqueous ZnCl <sub>2</sub> Solution. <b>2019</b> , 20,	7
411	Synthesis and characterization of MgAl-DBS LDH/PLA composite by sonication-assisted masterbatch (SAM) melt mixing method.. <b>2019</b> , 9, 658-667	13
410	Microspheres of essential oil in polylactic acid and poly(methyl methacrylate) matrices and their blends. <b>2019</b> , 36, 305-316	6
409	Effect of CuO nanofiller on the spectroscopic properties, dielectric permittivity and dielectric modulus of CMC/PVP nanocomposites. <b>2019</b> , 8, 3596-3602	10
408	Composites and Nanocomposites. <b>2019</b> , 447-512	1
407	Composites and Nanocomposites. <b>2019</b> , 1-67	1
406	Development and characterizations of polylactic acid (PLA) and polyglycolide acid (PGA) monofilaments for acupoint catgut embedding therapy applications. <b>2019</b> , 110, 1580-1587	1
405	Comparative study on properties of starch films obtained from potato, corn and wheat using 1-ethyl-3-methylimidazolium acetate as plasticizer. <b>2019</b> , 135, 845-854	31
404	Fabrication and Characterization of E-Glass Fiber Reinforced Unsaturated Polyester Resin Based Composite Materials. <b>2019</b> , 24, 1-7	4
403	Impact of the natural filler babassu on the processing and properties of PBAT/PHB films. <b>2019</b> , 124, 105472	14
402	Starch and its derivatives for paper coatings: A review. <b>2019</b> , 135, 213-227	51
401	Bioremediation Technology for Plastic Waste. <b>2019</b> ,	10
400	Social Awareness of Plastic Waste Threat. <b>2019</b> , 85-91	
399	Preparation and characterization of starch-based composite films reinforced by apricot and walnut shells. <b>2019</b> , 136, 47978	12

- 398 Polyhydroxyalkanoate (PHA): applications in drug delivery and tissue engineering. **2019**, 16, 467-482 65
- 397 Towards High-performance Materials Based on Carbohydrate-Derived Polyamide Blends. **2019**, 11, 3
- 396 LDPE-based composites reinforced with surface modified cellulose fibres: 3D morphological and morphometrical analyses to understand the improved mechanical performance. **2019**, 117, 105-113 19
- 395 Super-Toughened Poly(lactic Acid) with Poly( $\epsilon$ -caprolactone) and Ethylene-Methyl Acrylate-Glycidyl Methacrylate by Reactive Melt Blending. **2019**, 11, 15
- 394 Production of acetonitrile via catalytic fast pyrolysis of biomass derived polylactic acid under ammonia atmosphere. **2019**, 140, 376-384 8
- 393 Synthesis and Applications of Biopolymer Composites. **2019**, 20, 55
- 392 A review on tensile and morphological properties of poly (lactic acid) (PLA)/ thermoplastic starch (TPS) blends. **2019**, 58, 1945-1964 26
- 391 Scanning electron microscopy (SEM) in food quality evaluation. **2019**, 743-761 7
- 390 Natural Thermoresponsive Rice Granules as Biocompatible Drug Carriers. **2019**, 4, 7911-7918 1
- 389 Development of Surface-Coated Polylactic Acid/Polyhydroxyalkanoate (PLA/PHA) Nanocomposites. **2019**, 11, 16
- 388 Improvement of Interfacial Interaction between Hydrophilic Starch Film and Hydrophobic Biodegradable Coating. **2019**, 7, 9506-9514 22
- 387 Preparation, characterization, and reaction kinetics of poly (lactic acid)/amidated graphene oxide nanocomposites based on reactive extrusion process. **2019**, 26, 1 13
- 386 Renewable and super-toughened poly (butylene succinate) with bio-based elastomers: Preparation, compatibility and performances. **2019**, 116, 438-444 7
- 385 Effect of addition of PP-g-MA on the tribological properties of hemp fiber reinforced plant-derived Polyamide1010 biomass composites. **2019**, 2 2
- 384 The effect of filler loading on tensile and morphological properties of polylactic acid (PLA)/ thermoplastic corn starch (TPCS)/ peanut shell powder (PSP) biocomposites. **2019**, 0
- 383 Thermal and Mechanical Properties of Biocomposites Made of Poly(3-hydroxybutyrate-3-hydroxyvalerate) and Potato Pulp Powder. **2019**, 11, 17
- 382 Polyhydroxybutyrate/hemp biocomposite: tuning performances by process and compatibilisation. **2019**, 7, 194-204 5
- 381 How water acting as both blowing agent and plasticizer affect on starch-based foam. **2019**, 134, 43-49 32

380	Thermal, Mechanical, Viscoelastic and Morphological Properties of Poly(lactic acid) based Biocomposites with Potato Pulp Powder Treated with Waxes. <b>2019</b> , 12,	18
379	Natural fiber reinforced biodegradable staples: Novel approach for efficient wound closure. <b>2019</b> , 126, 60-65	4
378	End-of-waste life: Inventory of alternative end-of-use recirculation routes of bio-based plastics in the European Union context. <b>2019</b> , 49, 1835-1892	22
377	Non-isothermal crystallization kinetics of poly(3-hydroxybutyrate)/EVA 80 blends enhanced by NH <sub>4</sub> Cl as a nucleating agent. <b>2019</b> , 137, 1657-1672	2
376	Thermal, Mechanical, and Rheological Properties of Biocomposites Made of Poly(lactic acid) and Potato Pulp Powder. <b>2019</b> , 20,	21
375	Enhanced strength, stiffness and elongation potential of paper by spray addition of polysaccharides. <b>2019</b> , 26, 3473-3487	4
374	Hygrothermal aging and structural damage of a jute/poly (lactic acid) (PLA) composite observed by X-ray tomography. <b>2019</b> , 173, 15-23	27
373	Gentle crosslinking to enhance interfacial interaction in thermoplastic polyurethane/poly(ethylene-co-1-octene)/multi-walled carbon nanotube composites for conductive improvement and piezoresistive stability. <b>2019</b> , 75, 142-150	10
372	Evaluation of Mechanical and Interfacial Properties of Bio-Composites Based on Poly(Lactic Acid) with Natural Cellulose Fibers. <b>2019</b> , 20,	46
371	Studies on Water Sorption Behaviour of Laminated Bamboo Polymer Composite. <b>2019</b> , 130, 01040	1
370	Study to improve the properties of polylactic acid by epoxidized crude rubber seed oil. <b>2019</b> , 57, 735-740	1
369	Bioplastic Properties of Sago-PVA Starch with Glycerol and Sorbitol Plasticizers. <b>2019</b> , 1351, 012102	5
368	Phase Morphology and Performance of Supertough PLA/EMA-GMA/ZrP Nanocomposites Prepared through Reactive Melt-Blending. <b>2019</b> , 4, 19046-19053	6
367	Synthesis and Characterization of Membranes from Cellulose Acetate Derivatives of Corn Husk. <b>2019</b> , 818, 56-61	0
366	Microstructure and Mechanical/Hydrophilic Features of Agar-Based Films Incorporated with Konjac Glucomannan. <b>2019</b> , 11,	13
365	Starch-based antimicrobial films functionalized by pomegranate peel. <b>2019</b> , 129, 1120-1126	83
364	Morphology, molecular interactions and HO diffusion in a poly(lactic-acid)/graphene composite: A vibrational spectroscopy study. <b>2019</b> , 218, 40-50	7
363	Silanized silica compatibilization of NBR/gelatin blends for the production of green rubber products. <b>2019</b> , 51, 457-472	1

362	Morphology, thermal, and crystallization properties of poly(butylene succinate)-grafted Nanocrystalline Cellulose by polymerization in situ. <b>2019</b> , 59, 928-934	7
361	A comparative study on the effect of different reactive compatibilizers on injection-molded pieces of bio-based high-density polyethylene/polylactide blends. <b>2019</b> , 136, 47396	17
360	Biodegradability of blends based on aliphatic polyester and thermoplastic starch. <b>2019</b> , 73, 1121-1134	10
359	Poly (lactic acid) blends: Processing, properties and applications. <b>2019</b> , 125, 307-360	272
358	Preparation and characterization of resorcinol-dialdehyde starch-formaldehyde copolycondensation resin adhesive. <b>2019</b> , 127, 12-17	12
357	Phenomenon of LCST-type phase behavior in SAN/PMMA systems and its effect on the PLLA/ABS blend compatibilized by PMMA-type polymers: Interface stabilization or micelle formation. <b>2019</b> , 163, 36-47	7
356	Application of Biodegradable Polymers in Food Packaging Industry: A Comprehensive Review. <b>2019</b> , 3, 77-96	139
355	Clean production of new functional coatings of magnetic nanoparticles from sustainable resources. <b>2019</b> , 210, 687-696	9
354	One-Step Extrusion to Minimize Thermal Decomposition for Processing PLA-Based Composites. <b>2019</b> , 27, 158-164	8
353	Preparation and characterization of thermoplastic starch composite reinforced by plasma-treated poly (hydroxybutyrate) PHB. <b>2019</b> , 123, 609-621	24
352	Suitability of starch extracted from fresh pasta by-product in biodegradable film production. <b>2019</b> , 38, 527-533	0
351	A review on versatile applications of blends and composites of CNC with natural and synthetic polymers with mathematical modeling. <b>2019</b> , 124, 591-626	33
350	Cellulose-Based Hydrogel for Industrial Applications. <b>2019</b> , 909-949	1
349	Sulindac imprinted mungbean starch/PVA biomaterial films as a transdermal drug delivery patch. <b>2019</b> , 208, 261-268	22
348	Processability and Degradability of PHA-Based Composites in Terrestrial Environments. <b>2019</b> , 20,	36
347	A facile strategy for preparing Gemini surfactant-modified montmorillonite and its effect on the morphology and mechanical properties of polyethylene/polystyrene. <b>2019</b> , 40, 3254-3263	2
346	Super Moisture-Absorbent Gels for All-Weather Atmospheric Water Harvesting. <b>2019</b> , 31, e1806446	144
345	Improving polyhydroxyalkanoate production from inexpensive carbon sources by genetic approaches: a review. <b>2019</b> , 13, 208-227	72

344	Characterization of biodegradable/non-compostable films made from cellulose acetate/corn starch blends processed under reactive extrusion conditions. <b>2019</b> , 89, 67-79	72
343	Chemical modification of cellulose nanocrystals and their application in thermoplastic starch (TPS) and poly(3-hydroxybutyrate) (P3HB) nanocomposites. <b>2019</b> , 30, 573-583	3
342	Numerical modeling of hybrid composite materials. <b>2019</b> , 57-101	10
341	Developing acrylated epoxidized soybean oil coating for improving moisture sensitivity and permeability of starch-based film. <b>2019</b> , 125, 370-375	30
340	Biodegradable geotextiles □An overview of existing and potential materials. <b>2019</b> , 47, 48-59	49
339	Optical and structural properties of polyvinyl alcohol loaded with different concentrations of lignosulfonate. <b>2019</b> , 25, 85-90	6
338	Preparation and characterization of poly(lactic acid)/poly(ethylene oxide) blend film: effects of poly(ethylene oxide) and poly(ethylene glycol) on the properties. <b>2019</b> , 68, 164-172	11
337	Mechanical profiles and topographical properties of films made from alkaline extracted arabinoxylans from wheat bran, maize bran, or dried distillers grain. <b>2019</b> , 86, 78-86	22
336	Recent advances in protein derived bionanocomposites for food packaging applications. <b>2020</b> , 60, 406-434	89
335	Tailor-Made Bioplastics for Environmentally Friendly Food Packaging: A Methodological Approach to a Challenging Problem. <b>2020</b> , 605-616	1
334	Effect of cellulose nanofibers from cassava pulp on physical properties of poly(lactic acid) biocomposites. <b>2020</b> , 33, 1094-1108	6
333	Introduction: Polymer blends, thermodynamics, miscibility, phase separation, and compatibilization. <b>2020</b> , 1-29	7
332	Polymer Blends and Composites From Renewable Resources. <b>2020</b> , 179-186	2
331	Blown films fabrication of poly lactic acid based biocomposites: Thermomechanical and migration studies. <b>2020</b> , 22, 100737	9
330	Thermal analysis of interpenetrating polymer networks through molecular dynamics simulations: a comparison with experiments. <b>2020</b> , 140, 1845-1857	4
329	Micro and nanoscale morphology characterization of compatibilized polymer blends by microscopy. <b>2020</b> , 299-330	3
328	Gelatinization dynamics of starch in dependence of its lamellar structure, crystalline polymorphs and amylose content. <b>2020</b> , 229, 115481	16
327	Structure evolution of bio-based PLA/ENR thermoplastic vulcanizates during dynamic vulcanization processing. <b>2020</b> , 82, 106324	8

326	Syntheses, structures and catalytic activity of tetranuclear Mg complexes in the ROP of cyclic esters under industrially relevant conditions. <b>2020</b> , 49, 375-387	9
325	Novel functional graphene and its thermodynamic interfacial localization in biphasic polyolefin systems for advanced lightweight applications. <b>2020</b> , 188, 107958	16
324	Synthesis and molecular characterization of chitosan/starch blends based polyurethanes. <b>2020</b> , 146, 243-252	9
323	Starch-based biodegradable materials: Challenges and opportunities. <b>2020</b> , 3, 8-18	124
322	Cellulose grafted aliphatic polyesters: Synthesis, characterization and biodegradation under controlled conditions in a laboratory test system. <b>2020</b> , 1205, 127582	2
321	The use of low cost, abundant, homopolymers for engineering degradable polymer blends: Compatibilization of poly(lactic acid)/styrenics using poly(methyl methacrylate). <b>2020</b> , 186, 122010	12
320	Biopolymers of sugarcane. <b>2020</b> , 229-254	5
319	Novel nanocomposite based on EVA/PHBV/[60]Fullerene with improved thermal properties. <b>2020</b> , 81, 106277	4
318	PLA/PA Bio-Blends: Induced Morphology by Extrusion. <b>2019</b> , 12,	5
317	Impact Strength and Water Uptake Behavior of Bleached Kraft Softwood-Reinforced PLA Composites as Alternative to PP-Based Materials. <b>2020</b> , 12,	4
316	Poly(propylene carbonate)/clay nanocomposites with enhanced mechanical property, thermal stability and oxygen barrier property. <b>2020</b> , 22, 100520	2
315	Structure and properties of thermomechanically processed silk peptide and nanoclay filled chitosan. <b>2020</b> , 6, 125-136	8
314	Synergistic effect of OZrP on the combustion properties and thermal degradation behavior of intumescent flame retardant polylactide. <b>2020</b> , 740, 012070	
313	Manufacture of hybrid pieces using recycled R-PET, polypropylene PP and cocoa pod husks ash CPHA, by pneumatic injection controlled with LabVIEW Software and Arduino Hardware. <b>2020</b> , 844, 012054	10
312	Green and efficient three-component synthesis of 4H-pyran catalysed by CuFeO@starch as a magnetically recyclable bionanocatalyst. <b>2020</b> , 7, 200385	16
311	Fundamental Study of Decellularization Method Using Cyclic Application of High Hydrostatic Pressure. <b>2020</b> , 11,	4
310	Biodegradable thermosets polymers as an alternative solution to pollution generated by plastics. <b>2020</b> , 1672, 012013	2
309	Optimizing the transport of cuttings with ecological drilling muds: application to directional well. <b>2020</b> , 42, 1	1

308	Toughness Enhancement in Polyactide Nanocomposites with Swallow-Tailed Graphene Oxide. <b>2020</b> , 62, 560-571	1
307	Glycogen-based bionanocomposites. <b>2020</b> , 259-266	1
306	An Innovative Method for the Recycling of Waste Carbohydrate-Based Flours. <b>2020</b> , 12,	5
305	Chemistry, Structures, and Advanced Applications of Nanocomposites from Biorenewable Resources. <b>2020</b> , 120, 9304-9362	256
304	Effects of Plasticizers and Clays on the Physical, Chemical, Mechanical, Thermal, and Morphological Properties of Potato Starch-Based Nanocomposite Films. <b>2020</b> , 5, 17543-17552	14
303	Miscibility Studies of Hyaluronic Acid and Poly(Vinyl Alcohol) Blends in Various Solvents. <b>2020</b> , 13,	3
302	Polyolefin Based Copolymers as Matrix Component in Coir Fiber Reinforced Composites. <b>2020</b> , 21, 2042-2054	
301	Synthesis and Biological Application of Polylactic Acid. <b>2020</b> , 25,	64
300	Applications of Cellulose Nanomaterials in Stimuli-Responsive Optics. <b>2020</b> , 68, 12940-12955	9
299	Sound Absorption of Microperforated Panel Made from Coconut Fiber and Polylactic Acid Composite. <b>2020</b> , 1-11	4
298	Polyethylene glycol grafted with carboxylated graphene oxide as a novel interface modifier for polylactic acid/graphene nanocomposites. <b>2020</b> , 7, 192154	5
297	Preparation and characterization of LDPE/TPS blend filled with calcium carbonate. <b>2020</b> , 957, 012015	
296	Improved under damped oscillator properties of polymer blends for electronic applications. <b>2020</b> , 1	1
295	Market analysis and commercially available cellulose and hydrogel-based composites for sustainability, clean environment, and human health. <b>2020</b> , 65-79	0
294	Biodegradable Polylactide-Poly(3-Hydroxybutyrate) Compositions Obtained via Blending under Shear Deformations and Electrospinning: Characterization and Environmental Application. <b>2020</b> , 12,	12
293	Mechanical and Thermal Properties of Self-Assembled Kaolin-Doped Starch-Based Environment-Friendly Nanocomposite Films. <b>2020</b> , 4, 38	3
292	Production of biodegradable PLGA foams processed with high pressure CO <sub>2</sub> . <b>2020</b> , 164, 104886	6
291	Sustainable synthesis and applications of polyhydroxyalkanoates (PHAs) from biomass. <b>2020</b> , 96, 174-193	40

290	Effect of wet-media milling on the physicochemical properties of tapioca starch and their relationship with the texture of myofibrillar protein gel. <b>2020</b> , 109, 106082	7
289	All-Cellulose Composites: A Review of Recent Studies on Structure, Properties and Applications. <b>2020</b> , 25,	34
288	Pharmaceutical and Biomedical Applications of Native and Modified Starch: A Review. <b>2020</b> , 72, 1900270	24
287	Cytotoxicity and Bioactivity of Dental Pulp-Capping Agents towards Human Tooth-Pulp Cells: A Systematic Review of In-Vitro Studies and Meta-Analysis of Randomized and Controlled Clinical Trials. <b>2020</b> , 13,	14
286	Robust Guanidine Metal Catalysts for the Ring-Opening Polymerization of Lactide under Industrially Relevant Conditions. <b>2020</b> , 85, 1044-1052	17
285	Mechanical and morphological characterization of basalt/Cissus quadrangularis hybrid fiber reinforced polylactic acid composites. <b>2020</b> , 234, 2895-2907	9
284	The Effect of Hydroxyapatite on the Electrical Properties of a Polylactide-Based Composite. <b>2020</b> ,	
283	Direct Synthesis of Polar Functionalized Polyethylene Thermoplastic Elastomer. <b>2020</b> , 53, 2539-2546	46
282	Relaxation dynamics of blends of PVDF and zwitterionic copolymer by dielectric relaxation spectroscopy. <b>2020</b> , 58, 1311-1324	1
281	Plant and bacterial nanocellulose: production, properties and applications in medicine, food, cosmetics, electronics and engineering. A review. <b>2020</b> , 18, 851-869	75
280	Super tough poly(lactic acid) blends: a comprehensive review.. <b>2020</b> , 10, 13316-13368	87
279	The case for biotech on Mars. <b>2020</b> , 38, 401-407	21
278	Bio-based packaging materials. <b>2020</b> , 279-309	6
277	Superhydrophobic Modification on Starch Film Using PDMS and Ball-Milled MMT Coating. <b>2020</b> , 8, 10423-10430	9
276	Effect of preparation method on the properties of polylactide/cellulose nanocrystal nanocomposites. <b>2020</b> , 41, 4170-4180	14
275	Study of Physicomechanical Properties of Composite Fibers Based on Polylactide and Modified Chitin Nanofibrils. <b>2020</b> , 62, 249-259	2
274	Biopolymer-based films and membranes as wound dressings. <b>2020</b> , 165-194	7
273	PBS-Based Green Copolymer as an Efficient Compatibilizer in Thermoplastic Inedible Wheat Flour/Poly(butylene succinate) Blends. <b>2020</b> , 21, 3254-3269	12



272	Facile Preparation of Porous Microfiber from Poly-3-(R)-Hydroxybutyrate and Its Application. <b>2019</b> , 13,	3
271	Experimental and theoretical evaluation of mechanical, thermal and morphological features of EVA-millable polyurethane blends. <b>2020</b> , 27, 1	10
270	Tailoring Multi-Level Structural and Practical Features of Gelatin Films by Varying Konjac Glucomannan Content and Drying Temperature. <b>2020</b> , 12,	2
269	Preparation, characterization and degradation study of novel sulfonated furanic poly(ester-amide)s. <b>2020</b> , 23, 16-24	3
268	Super-Toughened Heat-Resistant Poly(lactic acid) Alloys By Tailoring the Phase Morphology and the Crystallization Behaviors. <b>2020</b> , 58, 500-509	11
267	Silver nanoparticle embedded anionic crosslinked copolymer hydrogels: an efficient catalyst. <b>2020</b> , 27, 765-777	4
266	Characterization studies of biopolymeric matrix and cellulose fibres based composites related to functionalized fibre-matrix interface. <b>2020</b> , 29-93	22
265	Characterization of blended cellulose/biopolymer films prepared using ionic liquid. <b>2020</b> , 27, 5101-5119	9
264	The environmental attributes of wood fiber composites with bio-based or petroleum-based plastics. <b>2020</b> , 25, 1145-1159	13
263	Effect of composition and mechanoactivation on the properties of films based on starch and chitosans with high and low deacetylation. <b>2020</b> , 239, 116245	10
262	Poly(lactic Acid)-Biochar Biocomposites: Effect of Processing and Filler Content on Rheological, Thermal, and Mechanical Properties. <b>2020</b> , 12,	33
261	Solvent-Free Method Prepared a Sandwich-like Nanofibrous Membrane-Reinforced Polymer Electrolyte for High-Performance All-Solid-State Lithium Batteries. <b>2020</b> , 12, 21586-21595	24
260	Analysing Flammability Characteristics of Green Biocomposites: An Overview. <b>2021</b> , 57, 31-67	20
259	Optimization of biodegradable starch adhesives using response surface methodology. <b>2021</b> , 78, 3729-3749	1
258	Melt processing of nanocomposites of cellulose nanocrystals with biobased thermoplastic polyurethane. <b>2021</b> , 138, 50343	4
257	Physical and chemical properties of sustainable polymers and their blends. <b>2021</b> , 37-57	
256	Facile strategy to improve thermal conductivity of anisotropic poly(butylene succinate) phosphorus-containing ionomer films via compression molding. <b>2021</b> , 32, 1194-1204	1
255	Toughened bioepoxy blends and composites based on poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol) triblock copolymer and sisal fiber fabrics: A new approach. <b>2021</b> , 271, 121843	11

254	A ternary nanocomposite fibrous scaffold composed of poly( $\epsilon$ -caprolactone)/Gelatin/Gehlenite (Ca <sub>2</sub> Al <sub>2</sub> SiO <sub>7</sub> ): Physical, chemical, and biological properties in vitro. <b>2021</b> , 32, 582-598	5
253	Biodegradable Polymer Blends Based on Thermoplastic Starch. <b>2021</b> , 29, 492-508	14
252	Graphene oxide enhanced ionic liquid plasticisation of chitosan/alginate bionanocomposites. <b>2021</b> , 253, 117231	3
251	Highly-modified polylactide transparent blends with better heat-resistance, melt strength, toughness and stiffness balance due to the compatibilization and chain extender effects of methacrylate-co-glycidyl methacrylate copolymer. <b>2021</b> , 138, 50124	4
250	Behavior of epoxy resin filled with nano-SiO <sub>2</sub> treated with a Eugenol epoxy silane. <b>2021</b> , 138, 50138	17
249	Biopolymers and biocomposites from agricultural waste. <b>2021</b> , 279-295	0
248	Soy protein based biocomposites as ideal packaging materials. <b>2021</b> , 65-84	1
247	Co-assembly and multicomponent hydrogel formation upon mixing nucleobase-containing peptides. <b>2021</b> , 13, 10566-10578	4
246	Bioplastics from agricultural waste. <b>2021</b> , 141-169	5
245	Characterization of PLA/PBSeT Blends Prepared with Various Hexamethylene Diisocyanate Contents. <b>2021</b> , 14,	4
244	Starch-based nanomaterials in drug delivery applications. <b>2021</b> , 31-56	
243	Green Approaches to Prepare Polymeric Composites for Wastewater Treatment. <b>2021</b> , 531-570	0
242	Degradable composites: processes and applications. <b>2021</b> , 197-228	1
241	Polymer blend natural fiber based composites. <b>2021</b> , 215-239	1
240	Natural polyphenols applications. <b>2021</b> , 259-314	
239	Development and characterization of biodegradable starch-based fibre by wet extrusion. <b>2021</b> , 28, 2039-2051	2
238	Biodegradable composites based on biopolymers and natural bast fibres: A review. <b>2021</b> , 46, 1420-1428	5
237	Macro to nanoscale natural fiber composites for automotive components: Research, development, and application. <b>2021</b> , 51-105	2

236	Perspectives of polylactic acid from structure to applications. <b>2021</b> , 12, 60-74	1
235	Degradable Poly(vinyl alcohol)-Based Supramolecular Plastics with High Mechanical Strength in a Watery Environment. <b>2021</b> , 33, e2007371	22
234	The synthesis, characterization of opal-poly(methyl methacrylate) graft polymer based on ICAR-ATRP and its effect on performance of poly (lactic acid). <b>2021</b> , 60, 1051-1065	2
233	Preparation and characterization of PLA/PBAT/CNC blend nanocomposites. <b>2021</b> , 299, 987-998	17
232	Microplastics Originating from Polymer Blends: An Emerging Threat?. <b>2021</b> , 55, 4190-4193	4
231	High-strength potato starch/hectorite clay-based nanocomposite film: synthesis and characterization. <b>2021</b> , 30, 513-521	6
230	The Role of Biomaterials in Upper Digestive Tract Transoral Reconstruction. <b>2021</b> , 14,	0
229	Analysis of Melt Processing Systems. <b>2021</b> , 261-361	
228	Polymer blends and polymer composites for cardiovascular implants. <b>2021</b> , 146, 110249	18
227	Effect of metal-oxide nanoparticle presence and alginate cross-linking on cellulose nanocrystal-based aerogels. <b>2021</b> , 138, 50639	3
226	Technical and Environmental Viability of a Road Bicycle Pedal Part Made of a Fully Bio-Based Composite Material. <b>2021</b> , 14,	2
225	Advances in peroxide-initiated graft modification of thermoplastic biopolyesters by reactive extrusion. <b>2021</b> , 99, 1870	1
224	Composition dependent miscibility in the crystalline state of polyamide 6 /polyamide 4,10 blends: From single to double crystalline blends. <b>2021</b> , 219, 123570	2
223	The Effect of a Zinc-Containing Additive on the Properties of PVC Compounds. <b>2021</b> , 2021, 1-14	5
222	Recent findings and future directions of grafted gum karaya polysaccharides and their various applications: A review. <b>2021</b> , 258, 117687	16
221	Starch-Based Packaging Materials. <b>2021</b> , 1-26	
220	Development of new biodegradable composites materials from polycaprolactone and wood flour. 1-12	0
219	Study of the Effect of Glycerol Plasticizer on the Properties of PLA/Wheat Bran Polymer Blends. <b>2021</b> , 1143, 012020	1

218	Synthetic Biodegradable Polymers with Chain End Modification: Polylactide, Poly(butylene succinate), and Poly(hydroxyalkanoate). <b>2021</b> , 50, 767-777	3
217	Simultaneously improved chitin gel formation and thermal stability promoted by TiO <sub>2</sub> . <b>2021</b> , 328, 115332	3
216	Chemical Surface Modification of Oil Palm Fibre: a Case study of developed Oil Palm Fibre-Plastic Composites. <b>2021</b> , 1107, 012091	1
215	Improving biological production of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) co-polymer: a critical review. <b>2021</b> , 20, 479-513	15
214	Bionanocomposite Blown Films: Insights on the Rheological and Mechanical Behavior. <b>2021</b> , 13,	4
213	Thermoplastic Starch Nanocomposites Reinforced with Cellulose Nanocrystal Suspensions Containing Residual Salt from Neutralization. <b>2021</b> , 306, 2100161	3
212	Properties of Silicone Rubber-Based Composites Reinforced with Few-Layer Graphene and Iron Oxide or Titanium Dioxide. <b>2021</b> , 13,	5
211	Preparation and characterization of bio-based green renewable composites from poly(lactic acid) reinforced with corn stover. <b>2021</b> , 28, 1	6
210	Immobilization of osteopontin on poly(ε-caprolactone) scaffolds by polyelectrolyte multilayer deposition to improve the osteogenic differentiation of MC3T3-E1 cells. 1	0
209	Revealing the Long-term Ageing Effect on the Mechanical Properties of Chicken Feather Fibre/Poly(lactic acid) Biocomposites. <b>2021</b> , 22, 2602-2611	1
208	Thermomechanical, Crystallization and Melting Behavior of Plasticized Poly(Lactic Acid) Nanocomposites. 317, 351-360	
207	Post-chemical grafting poly(methyl methacrylate) to commercially renewable elastomer as effective modifiers for polylactide blends. <b>2021</b> , 181, 718-733	2
206	Potential Uses of Musaceae Wastes: Case of Application in the Development of Bio-Based Composites. <b>2021</b> , 13,	1
205	Effect of Different Molecular Weight of PEG on the Crystallization Behaviors of Binary Polymer Blends PLA/TPS. 1035, 918-924	
204	Thermoplastic Starch (TPS)/Polylactic Acid (PLA) Blending Methodologies: A Review. 1	2
203	Mechanical and Dynamic Mechanical Analysis of Bio-based Composites. <b>2021</b> , 49-76	1
202	Synthesis, Structure, Crystallization and Mechanical Properties of Isodimorphic PBS-PCL Copolyesters. <b>2021</b> , 13,	4
201	Natural Polymeric-Based Composites for Delivery of Growth Factors. <b>2022</b> , 299-335	

200	An Overview of the Main Trends in the Creation of Biodegradable Polymer Materials. <b>2021</b> , 2021, 1-15	5
199	Preparation and characterization of biodegradable trilayer films based on starch and polyester. <b>2021</b> , 183, 1058-1066	3
198	High-strain-rate mechanical performance of particle- and fiber-reinforced polymer composites measured with split Hopkinson bar: A review. <b>2021</b> , 42, 4932	2
197	Preparation and Characterization of Functional Films Based on Chitosan and Corn Starch Incorporated Tea Polyphenols. <b>2021</b> , 11, 817	4
196	Polyhydroxyalkanoates (PHA)-based responsive polymers. 1-20	
195	Impact of CuO nanofiller on structural, optical and dielectric properties of CuO/DGEBA hybrid nanocomposites for optoelectronic devices. <b>2021</b> , 53, 1	2
194	Improving Recycled Poly(lactic Acid) Biopolymer Properties by Chain Extension Using Block Copolymers Synthesized by Nitroxide-Mediated Polymerization (NMP). <b>2021</b> , 13,	2
193	Effect of mechanical activation on starch crosslinking with citric acid. <b>2021</b> , 185, 688-695	3
192	Chemical Modification of Xylan.	
191	Albumin nanoparticles for use in cancer drug delivery. <b>2021</b> , 10, 321-328	1
190	Characterization of CaCO Filled Poly(lactic) Acid and Bio Polyethylene Materials for Building Applications. <b>2021</b> , 13,	1
189	The Synthesis, Characterization and Applications of Polyhydroxyalkanoates (PHAs) and PHA-Based Nanoparticles. <b>2021</b> , 13,	9
188	The Effects of Chain-Extending Cross-Linkers on the Mechanical and Thermal Properties of Poly(butylene adipate terephthalate)/Poly(lactic acid) Blown Films. <b>2021</b> , 13,	3
187	Alternative optimization routes for improving the performance of poly(3-hydroxybutyrate) (PHB) based plastics. <b>2021</b> , 318, 128555	7
186	Tailoring flexibility and dispersity of thermoplastic starch gel by controlling intermolecular structure for improving folding endurance of polylactide. <b>2021</b> , 159, 110731	1
185	Super toughed poly (lactic acid)/poly (ethylene vinyl acetate) blends compatibilized by ethylene-methyl acrylate-glycidyl methacrylate copolymer. <b>2021</b> , 193, 109705	2
184	Advanced biopolymer-based composites: an introduction and fracture modeling. <b>2022</b> , 213-243	
183	Effect of Mixing Strategy on the Structure-Properties of the PLA/PBAT Blends Incorporated with CNC. <b>2022</b> , 10, 149-164	0

182	Large-scale synthesis and Shaping of Metal-Organic Frameworks. <b>2021</b> , 33-54	
181	Environmental biodegradability of recombinant structural protein. <b>2021</b> , 11, 242	3
180	Polyhydroxyalkanoate Nanocomposites with Cellulose Nanocrystals as Biodegradable Coating and Packaging Materials. <b>2021</b> , 4, 260-270	4
179	Engineering Strategies for Efficient and Sustainable Production of Medium-Chain Length Polyhydroxyalkanoates in Pseudomonads. <b>2021</b> , 581-660	
178	Agro-based green biocomposites for packaging applications. <b>2021</b> , 235-254	1
177	Applications of polymer blends in drug delivery. <b>2021</b> , 7,	6
176	Polyethylene Composites with Lignocellulosic Material. 117-161	3
175	Polysaccharides: Applications in Biology and Biotechnology/Polysaccharides from Bioagro-Waste New Biomolecules-Life. <b>2014</b> , 1-29	2
174	Advanced Nano-biocomposites Based on Starch. <b>2015</b> , 1467-1553	3
173	Unusual PHA Biosynthesis. <b>2010</b> , 133-186	20
172	Thermosensitive Hydrogels in Dermatology: A Multidisciplinary Overview. <b>2015</b> , 315-328	1
171	CHAPTER 1:Bio-based Polymers and Materials. 1-28	4
170	CHAPTER 1:Polyhydroxyalkanoates (PHAs), their Blends, Composites and Nanocomposites: State of the Art, New Challenges and Opportunities. <b>2014</b> , 1-17	8
169	The Main Characteristics, Properties, Improvements, and Market Data of Polyhydroxyalkanoates. <b>2016</b> , 932-961	4
168	Development of membrane blend using casting technique for water desalination. <b>2012</b> , 3, 201-209	6
167	DEVELOPMENT OF CAPSULES FROM NATURAL PLAN POLYMERS. <b>2012</b> , 013, 1-10	11
166	DEVELOPMENT OF CAPSULES FROM NATURAL PLAN POLYMERS. <b>2012</b> , 013, 1-10	1
165	Printability of HDPE/Natural Fiber Composites with High Content of Cellulosic Industrial Waste. <b>2011</b> , 02, 1331-1339	8

- 164 Influence of TiO<sub>2</sub>Nanoparticle Filler on the Properties of PET and PLA Nanocomposites. **2012**, 36, 745-755 15
- 163 Manufacture and Properties of PMMA Grafted Starch/Carbon Black/NBR Composites. **2013**, 37, 764-769 1
- 162 Physico-chemical Characterization of Bioplastics and Biocomposites. **2021**, 323-340
- 161 Biocomposites from Food Waste. **2021**, 287-310
- 160 Biobased Polymers from Food Waste Feedstock and Their Synthesis. **2021**, 231-285
- 159 A materials science approach towards bioinspired polymeric nanocomposites: a comprehensive review. 1-16 2
- 158 Accurate Characterization of Mixed Plastic Waste Using Machine Learning and Fast Infrared Spectroscopy. **2021**, 9, 14143-14151 2
- 157 Optimization study on properties of poly (lactic acid) (PLA) composites filled with *Scomberomorus guttatus*-derived hydroxyapatite and montmorillonite (MMT) under electron beam irradiation. 0
- 156 Polimerik Linoleik Asit Ėren Graft Kopolimerlerin Atom Transfer Radikal Polimerizasyonu ve Kondenzasyon Reaksiyonu ile Sentezi ve Karakterizasyonu. 1860-1874
- 155 Valorization of starch nanoparticles on microstructural and physical properties of PLA-starch nanocomposites. **2022**, 139, 51757 0
- 154 Optimization of biodegradable paper cup packaging coated with whey protein isolate and rice bran wax as potential popcorn package.. **2021**, 9, 6762-6775 0
- 153 Wheat Biocomposite Extraction, Structure, Properties and Characterization: A Review. **2021**, 13, 5
- 152 SYNTHESIS OF KONJAC GLUCOMANNAN ACETATE WITH HIGH DEGREE OF SUBSTITUTION AND OF ITS RHEOLOGICAL AND THERMOPLASTIC PROPERTIES. **2010**, 010, 884-891 0
- 151 Polymeric Materials from Renewable Resources. **2011**, 159-187
- 150 Recent Advances of Carbon Nanotube/Biopolymers Nanocomposites: A Technical Review. **2011**, 120-135
- 149 Encyclopedia of Membranes. **2012**, 1-2
- 148 CHAPTER 4:Blends of Polyhydroxyalkanoates (PHAs). **2014**, 66-97 1
- 147 EFFECTS OF THE INCORPORATION OF CLAY ON PROPERTIES OF THE BIODEGRADABLE COPOLYESTER/PLA FLEXIBLE FILM.

- 146 INTERACTION PHENOMENA BETWEEN PACKAGING AND PRODUCT. **2014**, 57-88
- 145 Trends in the Development of Ferrous Metals and Alloys, and Effects of Alloying Elements on Them. **2014**, 342-371
- 144 Melt Characteristics of Poly-Lactide (PLA) Natural Fibre-Composites. **2015**, 157-166
- 143 Chapter 8:Starch-based Blends. **2015**, 263-325
- 142 Biodegradable Starch/Copolyesters Film Reinforced with Silica Nanoparticles: Preparation and Characterization. **2015**, 687-693
- 141 Corn. **2015**, 27-32
- 140 Polymers and Polymer Synthesis. **2015**, 1-85 0
- 139 Polyhydroxyalkanoates, Biodegradable: Modification and Processing. 6333-6349
- 138 Natural Rubber-based Micro- and Nanostructured IPNs. 145-177
- 137 Degradable ionic polyurethanes based on vegetable oil and polysaccharide: preparation and properties. **2017**, 82-89 1
- 136 Recent Advances in Biopolymer Composites for Environmental Issues. 673-691 1
- 135 Chapter 3:Polyester-based Biodegradable Thermogelling Systems as Emerging Materials for Therapeutic Applications. **2018**, 40-75
- 134 Synthesis and characterization of polymeric blends based on polysulfone for special applications. **2018**,
- 133 Bonding of birch solid wood of sawmill surface roughness with use of selected thermoplastic biopolymers. **2019**, 106, 9-15 2
- 132 Blend polyethersulfone/zirconium oxychloride octahydrate membranes crosslinked by polyvinyl alcohol layer for high saline water desalination. **2020**, 40, 519-527 0
- 131 Effect of a New Composition Ratio and of a New Chemical Treatment on Natural Alfa Fiber/polypropylene Composites Manufacturing and Their Mechanical Properties. 1-16
- 130 Bioactive Poly(lactic acid)-Cocoa Bean Shell Composites for Biomaterial Formulation: Preparation and Preliminary In Vitro Characterization. **2021**, 13, 2
- 129 Chitosan-Based Smart Polymeric Hydrogels and their Prospective Applications in Biomedicine. 2100150 1



128	The influences of PLA into PMMA on crystallinity and thermal properties enhancement-based hybrid polymer in gel properties. <b>2020,</b>	3
127	Chemical and electrochemical corrosion studies of ricinus communis oil based poly(urethane-ricinoleamide) coatings. <b>2020,</b> 1706, 012034	1
126	Compatibilization and Crosslinking in Biodegradable Thermoplastic Polyester Blends. <b>2020,</b> 23-89	3
125	Mechanical, moisture absorption, biodegradation and physical properties of nanoclay-reinforced wood/plant oil composites. <b>2020,</b> 2, 1	5
124	Bonding of sawmill birch wood with selected biopolymer-based glues. <b>2020,</b> 109, 32-36	2
123	State-of-the-Art Irradiation Technology for Polymeric Hydrogel Fabrication and Application in Drug Release System. <b>2021,</b> 8,	0
122	Enhancing water resistance of interface between starch films and acrylated epoxidized soybean oil coating. <b>2022,</b> 163, 106646	1
121	Compatibilization of Starch/Synthetic Biodegradable Polymer Blends for Packaging Applications: A Review. <b>2021,</b> 5, 300	3
120	Composites and Biocomposites: Manufacturing and Processing. <b>2022,</b> 15-33	
119	Starch. 1-35	
118	Polyvinyl alcohol inclusion can optimize the sol-gel, mechanical and hydrophobic features of agar/konjac glucomannan system. <b>2022,</b> 277, 118879	3
117	The influence in difference of compatibilizers on the mechanical and rheological properties of LDPE/PLST blends. <b>2021,</b> 2063, 012009	
116	Synthesis of ppy-MgO-CNT nanocomposites for multifunctional applications.. <b>2021,</b> 11, 36379-36390	0
115	KOH/thiourea aqueous solution: A potential solvent for studying the dissolution mechanism and chain conformation of corn starch. <b>2021,</b> 195, 86-86	1
114	Simple Zn(ii) complexes for the production and degradation of polyesters.. <b>2022,</b> 12, 1416-1424	3
113	Copolymers of starch, a sustainable template for biomedical applications: A review.. <b>2022,</b> 278, 118973	1
112	Potential Bone Fillers Based on Composites of Cocoa Bean Shells and Poly(Lactic Acid): Compression Molding Manufacturing. <b>2021,</b>	
111	Microbial Production of Bioplastic. <b>2021,</b> 295-318	

110	Manufacturing and utilization of novel sustainable composites using pulled wool fibers waste from leather tanneries: Mechanical, physical, and dynamic characterization. 152808372110733	
109	Synthesis and Characterisation of ASA-PEEK Composites for Fused Filament Fabrication.. <b>2022</b> , 14,	0
108	Novel Green resource material: Eucommia Ulmoides Gum. <b>2022</b> , 1, 114-128	0
107	Fabrication of PBAT/PPC Blend Nanocomposites with Low Conductivity Percolation and Balanced Mechanical and Barrier Properties via Incorporation of Partially Reductive GO. 2100860	1
106	Experimental and theoretical mechanical behavior of compatibilized polylactic acid/polyolefin elastomer blends for potential packaging applications.	0
105	Doxorubicin Release from Bovine Serum Albumin Microparticles. <b>2022</b> , 55, 1157	0
104	Essential Work of Fracture and Evaluation of the Interfacial Adhesion of Plasticized PLA/PBSA Blends with the Addition of Wheat Bran By-Product.. <b>2022</b> , 14,	1
103	Starch-Based Foams Nucleated and Reinforced by Polysaccharide-Based Crystals.	3
102	Design and synthesis of metal oxide/polymer composites. <b>2022</b> , 101-128	
101	Preparation of a novel superabsorbent hydrogel based on polyacrylic acid/shellac using gamma irradiation for adsorption removal of malachite green dye. <b>2022</b> , 30, 096739112210744	0
100	Biopolymer Composites: Synthesis, Properties, and Applications.. <b>2022</b> , 23,	1
99	Tensile properties and micromechanical modeling of polypropylene composites reinforced with alfa fibers. 002199832210874	
98	Compatibilization of PLA grafted maleic anhydrate through blending of thermoplastic starch (TPS) and nanoclay nanocomposites for the reduction of gas permeability. 1-22	1
97	KESİM EKLENEN POLİ(L-LAKTİK ASİT) FİLMİNİN MEKANİK VE TERMOGRAVİMİK ÖZELLİKLERİNİN İNCELENMESİ 375-388	0
96	Bio-based polylactic acid or epoxy natural rubber thermoplastic vulcanizates with dual interfacial compatibilization networks.	
95	Enhanced Crystallization Behavior and Stiffness-toughness Balance of Polylactide/Poly(propylene carbonate)/Nucleating Agent Blends. <b>2022</b> , 179207	0
94	Foamed bioplastics: a review. <b>2021</b> , 35, 375-388	0
93	Developing Edible Starch Film Used for Packaging Seasonings in Instant Noodles.. <b>2021</b> , 10,	0

92	The quality of the wood bonding depending on the method of applying the selected thermoplastic biopolymers. <b>2021</b> , 116, 78-85	1
91	Preparation of green material based on sugarcane bagasse and epoxidized natural rubber. 1	0
90	Separation of monodisperse poly(3-hydroxybutyrate) particles by fractionation: Theory and practice. <b>2022</b> , 403, 117383	
89	Binary polymer systems for biomedical applications. 1-41	0
88	Microalgal Biomass as Feedstock for Bacterial Production of PHA: Advances and Future Prospects. <b>2022</b> , 10,	1
87	Modification of reactive PB-g-SAG core-shell particles to achieve higher toughening ability for brittle polylactide.	0
86	Modification of PVDF membranes by incorporation Fe <sub>3</sub> O <sub>4</sub> @Xanthan gum to improve anti-fouling, anti-bacterial, and separation performance. <b>2022</b> , 10, 107784	0
85	Preparation and characterization of poly(lactic acid)/boron oxide nanocomposites: Thermal, mechanical, crystallization, and flammability properties.	1
84	Polyethylene and Semiconducting Polymer Blends for the Fabrication of Organic Field-Effect Transistors: Balancing Charge Transport and Stretchability. <b>2022</b> , 10, 201	
83	Polyurethane and styrene-acrylic copolymer as modifiers for starch composites preparation under the mechanochemical activation: A multifactorial approach. <b>2022</b> , 322, 132502	0
82	Closing the Carbon Loop in the Circular Plastics Economy. 2200247	1
81	Crude dry extract from <i>Colocasia esculenta</i> in association with poly(vinyl alcohol) as biomaterial to prepare bioactive wound dressing.	
80	Effects of urea and glycerol mixture on morphology and molecular mobility in thermoplastic starch/montmorillonite-type nanofiller composites studied using XRD and NMR. <b>2022</b> , 29,	0
79	On the Curing of ESO/MTHPA/DEH 35 and ESO/MTHPA/DEH 35/TIN.	0
78	Thermal, flammability, and antimicrobial properties of arrowroot ( <i>Maranta arundinacea</i> ) fiber reinforced arrowroot starch biopolymer composites for food packaging applications. <b>2022</b> , 213, 1-10	0
77	Recent Trends in Microbe-Based Food Hydrocolloids. <b>2022</b> , 211-241	
76	The Influence of Selected Physico-Chemical Factors on Physico-Mechanical Properties of Studied Vulcanizates. <b>2022</b> , 357, 07003	
75	Potential Applications of Biorenewable Nanocomposite Materials for Electrocatalysis, Energy Storage, and Wastewater Treatment. 25-46	0

74	Introduction to Biorenewable Nanocomposite Materials: Methods of Preparation, Current Developments, and Future Perspectives. 1-24	0
73	Morphology control of poly(lactic) acid/polypropylene blend composite by using silanized cellulose fibers extracted from coir fibers.	0
72	Polymers Based on PLA from Synthesis Using D,L-Lactic Acid (or Racemic Lactide) and Some Biomedical Applications: A Short Review. <b>2022</b> , 14, 2317	2
71	Recent Advances in Biochar Polymer Composites. <b>2022</b> , 14, 2506	7
70	Biodegradable plastics as a substitute to traditional polythenes: a step toward a safer environment. <b>2022</b> , 193-215	
69	Migration of triacetin from polylactic acid/ethylene-vinyl acetate blend films. <b>2022</b> ,	
68	Microbial biopolymers in articular cartilage tissue engineering. <b>2022</b> , 29,	1
67	Modified gelatin/iron- based metal-organic framework nanocomposite hydrogel as wound dressing: Synthesis, antibacterial activity, and <i>Camellia sinensis</i> release. <b>2022</b> , 218, 488-505	0
66	Biochar Particles Obtained from Agricultural Carob Waste as a Suitable Filler for Sustainable Biocomposite Formulations. <b>2022</b> , 14, 3075	1
65	Perhydropolysilazane-derived-SiO <sub>x</sub> coated cellulose: a transparent biodegradable material with high gas barrier property.	
64	Characterization of pH-responsive high molecular-weight chitosan/poly (vinyl alcohol) hydrogel prepared by gamma irradiation for localizing drug release. <b>2022</b> , 9,	1
63	A micromechanical approach to elastic modulus of long-term aged chicken feather fibre/poly(lactic acid) biocomposites. <b>2022</b> ,	0
62	Synthesis and Characterization of Polymeric Blends Containing Polysulfone Based on Cyclic Bisphenol. <b>2022</b> , 14, 3148	
61	Characterization, antimicrobial and cytotoxic activity of polymer blends based on chitosan and fish collagen. <b>2022</b> , 12,	1
60	Incorporation of $\kappa$ -carrageenan improves the practical features of agar/konjac glucomannan/ $\kappa$ -carrageenan ternary system. <b>2023</b> , 12, 512-519	1
59	Vegetable oil-based flame-retardant polymeric materials. <b>2022</b> , 391-417	0
58	Flame-retardant polymeric materials from renewable vanillin. <b>2022</b> , 269-284	0
57	Impact of Ionic Liquids on the (bio)degradability of Poly(butylene succinate)/Poly(lactic acid) blends. 9,	0

56	Biodegradable active packaging: Components, preparation, and applications in the preservation of postharvest perishable fruits and vegetables. 1-36	2
55	Lignin Modifications, Applications, and Possible Market Prices. <b>2022</b> , 15, 6520	1
54	EDiketimate and EKetoimate Metal Catalysts for Ring-Opening Polymerization of Cyclic Esters. 1-37	0
53	A mechanochemical approach for synthesizing almond shell nanoparticles and their potential application on the enhancement of polylactic acid film properties.	1
52	Recent Progress on Modified Gum Katira Polysaccharides and Their Various Potential Applications. <b>2022</b> , 14, 3648	0
51	Nanoarchitectonics of Starch Nanoparticles Rosin Catalyzed by Algerian Natural Montmorillonite (Maghnite-H+) for Enhanced Antimicrobial Activity.	0
50	Enhancing Toughness of PLA/ZrP Nanocomposite through Reactive Melt-Mixing by Ethylene-Methyl Acrylate-Glycidyl Methacrylate Copolymer. <b>2022</b> , 14, 3748	0
49	Bioplastic composed of starch and micro-cellulose from waste mango: mechanical properties and biodegradation. <b>2022</b> , 32,	0
48	Towards the Hydrophobization of Thermoplastic Starch Using Fatty Acid Starch Ester as Additive. <b>2022</b> , 27, 6739	1
47	Introduction. <b>2022</b> , 1-99	0
46	Biopolymers as alternatives to synthetic polymers in flame-retarded polymeric composites: A study of fire and mechanical behaviors.	0
45	Electro Fluid Dynamics: A Route to Design Polymers and Composites for Biomedical and Bio-Sustainable Applications. <b>2022</b> , 14, 4249	1
44	Turning abundant waste sulfur to polymers for manufacturing: Exploiting role of organic crosslinkers and benign catalysts. <b>2022</b> ,	0
43	Graphene Reinforced Polymer Matrix Nanocomposites: Fabrication Method, Properties and Applications.	0
42	Synthesis and evaluation of the incorporation of sisal fiber cellulose in the polymeric matrix of starch from jackfruit seed ( <i>Artocarpus heterophyllus</i> Lam.) using thermogravimetry.	0
41	A Review of Soil Reinforcement with Planetary Fibers.	0
40	Process Modeling in Biocomposites. <b>2023</b> , 103-120	0
39	Online Characterization of Mixed Plastic Waste Using Machine Learning and Mid-Infrared Spectroscopy.	0

- 38 Nanochitin preparation and its application in polymer nanocomposites: a review. ○
- 37 Renewed interest in biopolymer composites: incorporation of renewable, plant-sourced fibers. ○
- 36 Synthesis and properties of high performance biobased liquid crystal polyester based on furandicarboxylic acid and sebacic acid. **2023**, 183, 111738 ○
- 35 Synergistically enhanced antibacterial and degradation performance of starch via biodegradable and multi-functional crosslinker. **2023**, 192, 116128 ○
- 34 Zein inclusion changes the rheological, hydrophobic and mechanical properties of agar/konjac glucomannan based system. **2023**, 137, 108365 ○
- 33 Development and optimization by factorial design of polymeric nanoparticles for simvastatin delivery. **2022**, 32, ○
- 32 An insight overview of bioplastics produced from cellulose extracted from plant material, its applications and degradation. **2022**, 5, 423-441 ○
- 31 Morphological, Mechanical, and Antimicrobial Properties of PBAT/Poly (Methyl Methacrylate-co-Maleic Anhydride)BiO<sub>2</sub> Composite Films for Food Packaging Applications. **2023**, 15, 101 2
- 30 Physico-Chemical, Rheological, and Viscoelastic Properties of Starch Bio-Based Materials. **2022**, 6, 375 ○
- 29 Investigation of Mechanical Behaviour of Polypropylene Based Composite. 425-431 ○
- 28 Development of porous biodegradable sorbents for oil/water separation: a critical review. ○
- 27 Characterization of Biodegradable Food Contact Materials under Gamma-Radiation Treatment. **2023**, 16, 859 1
- 26 Acceleration of Biodegradation Using Polymer Blends and Composites. 2200421 ○
- 25 Carbohydrate polymer-based nanocomposites for breast cancer treatment. **2023**, 304, 120510 ○
- 24 Poly(ferulic acid)-hybrid nanofibers for reducing thrombosis and restraining intimal hyperplasia in vascular tissue engineering. **2023**, 146, 213278 ○
- 23 STRUCTURE AND PROPERTIES OF THERMOPLASTIC PSEUDO-INTERPENETRATING POLYMER NETWORKS BASED ON NATURAL POLY-3-HYDROXYBUTIRATE AND NATURAL RUBBER. **2022**, 44, 271-282 ○
- 22 Palladium-Catalyzed synthesis of oil-based functionalized polyolefin. ○
- 21 A study on the synergetic effects of self/induced crystallization and nanoparticles on the mechanical properties of semi-crystalline polymer nanocomposites: experimental and analytical approaches. ○

- 20 Utilization of chemical additives to enhance biodegradability of plastics. **2023**, 259-281 ○
- 19 Smart polymeric nanocomposites: synthesis and applications. **2023**, 61-91 ○
- 18 Biomass in Composite Materials. **2012**, 698-739 ○
- 17 X-ray/gamma radiation shielding properties of Aluminium-Barium Zinc Oxide nanoparticles synthesized via low temperature solution combustion method. **2023**, 55, 1519-1526 ○
- 16 Polymer-based biomaterials for pharmaceutical and biomedical applications: A focus on topical drug administration. **2023**, 187, 111868 ○
- 15 Wound dressing based on PVA nanofiber containing silk fibroin modified with GO / ZnO nanoparticles for superficial wound healing: In vitro and in vivo evaluations. ○
- 14 Ethyl Cellulose-Based Thermoreversible Organogel Photoresist for Sedimentation-Free Volumetric Additive Manufacturing. **2023**, 44, ○
- 13 Enhancement of the compatibility, mechanical properties, and heat resistance of poly(butylene succinate-co-terephthalate)/poly(butylene succinate) blends by the addition of chain extender and nucleating agent. **2023**, 30, ○
- 12 Biocomposites: Prospects and Manifold Applications for Human and Environmental Sustainability. **2023**, 12, 037002 ○
- 11 Agriculture waste to bioplastics: a perfect substitution of plastics. **2023**, 299-314 ○
- 10 Biofuel production, hydrogen production and water remediation by photocatalysis, biocatalysis and electrocatalysis. ○
- 9 Interaction between thermoplastic starch and cellulose in poly (butylene adipate-co-terephthalate) composites with cellulosic fillers. 089270572311628 ○
- 8 Recent Development of Polyhydroxyalkanoates (PHA)-Based Materials for Antibacterial Applications: A Review. **2023**, 6, 1398-1430 1
- 7 Recent Advances in Natural Fibre-Based Materials for Food Packaging Applications. **2023**, 15, 1393 ○
- 6 Fabrication of starch-based packaging materials. **2023**, ○
- 5 Rheological and mechanical properties, heat resistance and hydrolytic degradation of poly(butylene succinate-co-adipate)/stereocomplex polylactide blends. ○
- 4 Biopolymer Composites 2022. **2023**, 24, 6430 ○
- 3 Aquatic Biodegradation of Poly( $\epsilon$ -Hydroxybutyrate) and Polypropylene Blends with Compatibilizer and the Generation of Micro- and Nano-Plastics on Biodegradation. ○

- 2 Small and large oscillatory shear behaviors of gelatin/starch system regulated by amylose/amylopectin ratio. **2023**, 108780 ○
- 1 "CELLULOSE NANOFIBER/SHELLAC NANOCOMPOSITE FILMS AS COATINGS FOR PACKAGING PAPER". **2023**, 57, 143-153 ○