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A review on interface modification and characterization of natural fiber reinforced plastic composite

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872	High-Performance Graphene-Based Natural Fiber Composites.		
871	Synthetic polymers and the living environment. 1980 , 52, 399-407		68
870	Applications of Bio-Composites in Industrial Products. 2001 , 702, 1		12
869	Surface characterization of flax, hemp and cellulose fibers; Surface properties and the water uptake behavior. <i>Polymer Composites</i> , 2002 , 23, 872-894	3	291
868	Biodegradable plastics from renewable sources. 2003 , 48, 27-44		213
867	Thermal and mechanical characterization of linear low-density polyethylene/wood flour composites. 2003 , 90, 2775-2784		127
866	Morphological Characterisation of Natural Fibre Reinforced Thermoplastics (NF RTP) Processed by Extrusion, Compression and Rotational Moulding. 2004 , 12, 705-718		31
865	The Effect of Surface Modification on the Mechanical Properties of Hemp Fiber/Polyester Composites. 2004 ,		3
864	Influence of Modifiers on the Physicomechanical Properties of Sawdust-Polyethylene Composites. 2004 , 40, 169-178		2
863	Interfacial improvements in poly(3-hydroxybutyrate)-flax fibre composites with hydrogen bonding additives. 2004 , 64, 1321-1330		102
862	Investigation of mechanical property, flame retardancy and thermal degradation of LLDPE-wood-fibre composites. 2004 , 83, 241-246		150
861	Analysis of the creep behavior of polypropylene-woodflour composites. <i>Polymer Engineering and Science</i> , 2004 , 44, 1594-1603	2.3	58
860	Properties of thermoplastic composites based on wheat-straw lignocellulosic fillers. 2004 , 93, 428-436		102
859	Compositional analysis of thermoplastic wood composites by TGA. 2004 , 93, 1484-1492		48
858	The effect of paraffin on fiber dispersion and mechanical properties of polyolefin-sawdust composites. 2004 , 93, 2385-2393		15
857	Interfacial interactions of a novel mechanochemical composite of cellulose with maleated polypropylene. 2004 , 94, 1326-1335		71
856	A Review on Natural Fibre-Based Composites-Part I. 2004 , 1, 37-68		252

855	Mechanical properties of continuous natural fibre-reinforced polymer composites. 2004 , 35, 339-345		317
854	Flax fibreâpolyester composites. 2004 , 35, 703-710		213
853	Comparison of water absorption in natural cellulosic fibres from wood and one-year crops in polypropylene composites and its influence on their mechanical properties. 2004 , 35, 1267-1276		606
852	INVESTIGATION OF FLAME RETARDANCY OF POLYPROPYLENE-WOOD FIBRE COMPOSITES. 2005 , 19, 83-89		
851	Plant Fibers as Reinforcement for Green Composites. 2005 ,		64
850	Fiber-Matrix Adhesion in Natural Fiber Composites. 2005 ,		6
849	Study of the interfacial properties of natural fibre reinforced polyethylene. 2005 , 24, 694-698		189
848	Interfaces and interphases in multicomponent materials: past, present, future. 2005 , 41, 645-662		247
847	Physical and mechanical characterization of jute fabric composites. 2005 , 98, 639-650		57
846	Short-beam three-point bend test study in syntactic foam. Part III: Effects of interface modification on strength and fractographic features. 2005 , 98, 687-693		16
845	A study of the mechanical properties of short natural-fiber reinforced composites. 2005 , 36, 597-608		611
844	Isocyanate as a compatibilizing agent on the properties of highly crystalline cellulose/polypropylene composites. 2005 , 40, 3607-3614		44
843	Flax fiber surface modifications: Effects on fiber physico mechanical and flax/polypropylene interface properties. <i>Polymer Composites</i> , 2005 , 26, 324-332	3	108
842	Effect of maleated polypropylene on the performance of polypropylene/cellulose composite. <i>Polymer Composites</i> , 2005 , 26, 448-453	3	59
841	A study of advances in characterization of interfaces and fiber surfaces in lignocellulosic fiber-reinforced composites. 2005 , 12, 95-124		58
840	Lignocellulosic materials and unsaturated polyester matrix composites: Interfacial modifications. 2005 , 12, 3-24		14
839	A comparison of compounding processes and wood type for wood fibreâPP composites. 2005 , 36, 789-797		149
838	Mechanical properties of flax fibre/polypropylene composites. Influence of fibre/matrix modification and glass fibre hybridization. 2005 , 36, 1637-1644		246

837	The Effect of Surface Treatment on the Strength and Adhesion Characteristics of Phoenix dactylifera-L(Date Palm) Fibers. 2006 , 55, 485-499		19
836	Chemical Modification of Date Palm Mesh Fibres for Reinforcement of Polymeric Materials. Part I: Examination of Different Cleaning Methods. 2006 , 14, 767-778		13
835	Fracture and Failure Behavior of Jute Fabric Reinforced Polypropylene. Effect of the Interface Modification. 2006 , 14, 483-493		2
834	Effect of coupling agents on the thermal and mechanical properties of polypropylene-jute fabric composites. 2006 , 55, 1104-1113		22
833	Functionalization, compatibilization and properties of polypropylene composites with Hemp fibres. 2006 , 66, 2218-2230		244
832	Structure and properties of composites of highly crystalline cellulose with polypropylene: Effects of polypropylene molecular weight. 2006 , 42, 1059-1068		38
831	Novel Methods for Interfacial Modification of Cellulose-Reinforced Composites. 2006 , 78-96		13
830	Natural-fiber-reinforced polymer composites in automotive applications. 2006 , 58, 80-86		945
829	Green composites. I. physical properties of ramie fibers for environment-friendly green composites. <i>Fibers and Polymers</i> , 2006 , 7, 372-379	2	90
828	Swelling behaviour of isora/natural rubber composites in oils used in automobiles. 2006 , 29, 91-99		45
827	Long-term water uptake behavior of natural fiber/polypropylene composites. 2006 , 99, 2199-2203		69
826	Flour rice husk as filler in block copolymer polypropylene: Effect of different coupling agents. 2006 , 99, 1823-1831		72
825	Long-term water uptake behavior of lignocellulosic-high density polyethylene composites. 2006 , 102, 3907-3911		40
824	Effect of natural fibers on thermal and mechanical properties of natural fiber polypropylene composites studied by dynamic mechanical analysis. 2006 , 101, 4341-4349		157
823	Dynamic crystallization of polypropylene and wood-based composites. 2006 , 102, 6028-6036		18
822	Effect of curing temperature, fibre loading and bonding agent on the equilibrium swelling of isora-natural rubber composites. 2006 , 13, 391-401		7
821	A Comparison of Mechanical Properties of Natural Fiber Filled Biodegradable and Polyolefin Polymers. 2006 , 40, 1933-1946		52
820	Influence of chemical treatments on the interfacial adhesion between sisal fibre and different biodegradable polymers. 2007 , 14, 605-616		20

819	Industrial Water Soluble Polymers in Packaging. 2007 , 298-324		
818	Vetiverâpolypropylene composites: Physical and mechanical properties. 2007 , 38, 590-601		45
817	Chemical and physical modifications of rice husks for use as composite panels. 2007 , 38, 925-935		147
816	Transcrystallization kinetics at the poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/hemp fibre interface. 2007 , 38, 1387-1394		25
815	A novel fiber treatment applied to woven jute fabric/vinylester laminates. 2007 , 38, 1337-1343		44
814	Kenaf natural fiber reinforced polypropylene composites: A discussion on manufacturing problems and solutions. 2007 , 38, 1569-1580		325
813	Preparation and properties of recycled HDPE/natural fiber composites. 2007 , 38, 1664-1674		237
812	Water Absorption Behavior of Composites from Sawdust and Recycled Plastics. 2007 , 26, 341-348		67
811	Microstructure and Strength of Injection Molded Natural Fiber Composites. 2007 , 26, 579-599		49
810	Interfacial adhesion in fully and partially biodegradable polymer composites examined with microdroplet test and acoustic emission. 2007 , 14, 869-878		21
809	Poly (butyl acrylate)-Modified Cellulose Fibres for Toughening WPC. 2007 ,		
808	. 2007 ,		40
807	Composites of poly(L-lactide) with hemp fibers: Morphology and thermal and mechanical properties. 2007 , 105, 255-268		172
806	Bio-composite of bacterial poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) reinforced with vegetable fibers. 2007 , 67, 2085-2094		80
805	Mechanical behaviour of vinyl plastisols with cellulosic fillers. Analysis of the interface between particles and matrices. 2007 , 27, 422-428		14
804	Mechanical and morphological characterization of PVC plastisol composites with almond husk fillers. <i>Polymer Composites</i> , 2007 , 28, 71-77	3	21
803	Surface modification of bagasse fibers by silane coupling agents through microwave oven and its effects on physical, mechanical, and rheological properties of PP bagasse fiber composite. <i>Polymer Composites</i> , 2007 , 28, 713-721	3	22
802	PolyolefinsâBiofibre composites: A new way for an industrial production. <i>Polymer Engineering and Science</i> , 2007 , 47, 467-476	2.3	24

801	Effects of raw fiber materials, fiber content, and coupling agent content on selected properties of polyethylene/wood fiber composites. <i>Polymer Engineering and Science</i> , 2007 , 47, 1678-1687	2-3	32
800	Effect of temperature, plastic type and virginity on the water uptake of sawdust/plastic composites. 2007 , 65, 377-382		38
799	Cellulose Fiber/Bentonite Clay/Biodegradable Thermoplastic Composites. 2007 , 15, 251-257		41
798	Physical and mechanical properties of polyvinyl alcohol and polypropylene composite materials reinforced with fibril aggregates isolated from regenerated cellulose fibers. 2007 , 14, 593-602		165
797	Hygroscopic thickness swelling rate of composites from sawdust and recycled plastics. 2008 , 42, 161-168		22
796	Effects of wood fiber content and coupling agent content on tensile properties of wood fiber polyethylene composites. 2008 , 66, 267-274		26
795	Preparation and characterization of functionalized low density polyethylene matrix biocomposites. <i>Polymer Engineering and Science</i> , 2008 , 48, 902-911	2-3	7
794	Novel High-Performance Talc/Poly[(butylene adipate)-co-terephthalate] Hybrid Materials. 2008 , 293, 310-320		49
793	Processing and properties of mineral-interfaced cellulose fibre composites. 2008 , 107, 918-929		20
792	Effects of vinyltrimethoxy silane on thermal properties and dynamic mechanical properties of polypropylene-wood flour composites. 2008 , 109, 1197-1204		26
791	Fast wood fiber esterification. I. Reaction with oxalic acid and cetyl alcohol. 2008 , 71, 1-8		32
790	A study on the potential of sugarcane fibers/polyester composite for tribological applications. 2008 , 265, 223-235		207
789	Characterization of natural fiber surfaces and natural fiber composites. 2008 , 39, 1632-1637		549
788	Study of the Mechanical and Morphological Properties of Plasticized PVC Composites Containing Rice Husk Fillers. 2008 , 27, 229-243		35
787	Effect of MAPP and TMPTA as compatibilizer on the mechanical properties of cellulose and oil palm fiber empty fruit bunch-polypropylene biocomposites. 2008 , 15, 251-262		19
786	Development of non-wood natural-fibre composites. 2008 , 193-208		2
785	Studies on Tensile and Flexural Properties of Short Banana/Glass Hybrid Fiber Reinforced Polystyrene Composites. 2008 , 42, 1471-1489		92
784	Effects of alkaline and silane treatments on the water-resistance properties of wood-fiber-reinforced recycled plastic composites. 2008 , 14, 211-220		16

783	Mechanical Properties of Injection-Moulded Jute/Glass Fibre Hybrid Composites. 2009 , 17, 487-493		3
782	The Effects of Morphological Properties of Henequen Fiber Irradiated by EB on the Mechanical and Thermal Properties of Henequen Fiber/PP Composites. 2009 , 16, 751-768		12
781	Recycled polypropylene reinforced with curaua fibers by extrusion. 2009 , 112, 3686-3694		41
780	Effect of different thermal treatments on the mechanical performance of poly(L-lactic acid) based eco-composites. 2009 , 116, n/a-n/a		2
779	Influence of short bamboo/glass fiber on the thermal, dynamic mechanical and rheological properties of polypropylene hybrid composites. 2009 , 523, 32-38		141
778	Thermal analysis of hydrolysis and degradation of biodegradable polymer and bio-composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 96, 211-218	4.1	11
777	Effect of MatrixâParticle Interfacial Adhesion on the Mechanical Properties of Poly(lactic acid)/Wood-Flour Micro-Composites. 2009 , 17, 83-94		131
776	Effect of temperature on hygroscopic thickness swelling rate of composites from lignocellulosic fillers and HDPE. <i>Polymer Composites</i> , 2009 , 30, 1570-1575	3	7
775	Effects of the accelerated freeze-thaw cycling on physical and mechanical properties of wood flour-recycled thermoplastic composites. <i>Polymer Composites</i> , 2009 , 31, NA-NA	3	8
774	Influence of interfacial adhesion on the structural and mechanical behavior of PP-banana/glass hybrid composites. <i>Polymer Composites</i> , 2009 , 31, NA-NA	3	9
773	Effects of vinyltrimethoxy silane on mechanical properties and morphology of polypropylene-woodflour composites. <i>Polymer Engineering and Science</i> , 2009 , 49, 324-332	2.3	12
772	Pretreatments of natural fibers and their application as reinforcing material in polymer compositesâA review. <i>Polymer Engineering and Science</i> , 2009 , 49, 1253-1272	2.3	891
771	Innovative multifunctional siloxane treatment of jute fiber surface and its effect on the mechanical properties of jute/thermoset composites. 2009 , 508, 247-252		147
770	Transesterification-controlled compatibility and microfibrillation in PCâABS composites reinforced by phosphorus-containing thermotropic liquid crystalline polyester. 2009 , 50, 3037-3046		25
769	Wheat flour thermoplastic matrix reinforced by waste cotton fibre: Agro-green-composites. 2009 , 40, 329-334		61
768	Influence of moisture absorption on the interfacial strength of bamboo/vinyl ester composites. 2009 , 40, 2013-2019		170
767	Silica nano-particles produced by worms through a bio-digestion process of rice husk. 2009 , 355, 844-850		54
766	Banana/Glass Fiber-Reinforced Polypropylene Hybrid Composites: Fabrication and Performance Evaluation. 2009 , 48, 397-414		86

765	Recent innovative results on natural fibre composites. 2009 , 36, 348		2
764	Modification of the fibre surface for the optimisation of mechanical properties in natural-fibre reinforced polymers. 2009 , 36, 417		3
763	A study of the mechanical properties of natural fibre reinforced composites. <i>Fibers and Polymers</i> , 2010 , 11, 1181-1186	2	18
762	Rheological, Mechanical and Thermal Behaviour of Wood Polymer Composites Based on Recycled Polypropylene. 2010 , 18, 318-325		51
761	Recent Advances in the Application of Natural Fiber Based Composites. 2010 , 295, 975-989		265
760	A comparative study on erosion characteristics of red mud filled bamboo epoxy and glass epoxy composites. 2010 , 31, 1752-1767		125
759	Reinforcing thermoplastics with hydrogen bonding bridged inorganics. 2010 , 405, 655-662		30
758	Role of surface treatment on water absorption of poly(vinyl chloride) composites reinforced by <i>Phyllostachys pubescens</i> particles. 2010 , 70, 847-853		27
757	Preparation and characterization of polypropylene/wheat straw/lay composites. 2010 , 70, 1674-1680		69
756	Wood plastic composites based on microfibrillar blends of high density polyethylene/poly(ethylene terephthalate). 2010 , 101, 3665-71		60
755	A review on oil palm empty fruit bunch fiber-reinforced polymer composite materials. <i>Polymer Composites</i> , 2010 , 31, 2079-2101	3	101
754	. 2010 ,		114
753	Hybridization Effect of Glass Fibre on Mechanical, Morphological and Thermal Properties of Polypropylene-Bamboo/Glass Fibre Hybrid Composites. 2010 , 18, 205-218		12
752	Influence of Compatibiliser and Wood Flour on the Non-Isothermal Crystallisation Behaviour of Polypropylene Composites. 2010 , 18, 37-44		1
751	Vegetable fibers as multifunctional materials. <i>Revista Materia</i> , 2010 , 15, 355-363	0.8	5
750	Effects of alkali and silane treatment on the mechanical properties of jute-fiber-reinforced recycled polypropylene composites. 2010 , 16, n/a-n/a		8
749	The Mechanical Properties of Methacryloxypropyltrimethoxy silane-treated Jute/Polyester Composites. 2010 , 44, 1913-1924		66
748	Enhancing the Fibre Matrix Adhesion of Natural Fibre Reinforced Polypropylene by Electron Radiation Analyzed with the Single Fibre Fragmentation Test. 2010 , 17, 371-381		27

747	Behaviour of Vacuum Casting Plastic Composites Under Different Treatments of Banana Fibres. 2010,		
746	An Assessment of Erosion Wear Response of SiC Filled Epoxy Composites Reinforced with Glass and Bamboo Fibers. 2010, 25, 205-222		2
745	Composites. 2010, 381-480		2
744	Mechanics of Cellulose Nanocrystals and their Polymer Composites. 2010, 233-263		4
743	Wear Behavior of Plant Fiber (Pine-Bark) and Cement Kiln Dust-Reinforced Polyester Composites Using Taguchi Experimental Model. 2010, 44, 559-574		24
742	Effect of Nanoclay on the Mechanical and Morphological Properties of Wood Polymer Nanocomposite. 2010, 29, 964-971		34
741	Effect of bark fiber content and size on the mechanical properties of bark/HDPE composites. 2010, 41, 131-137		82
740	Silane coupling agents used for natural fiber/polymer composites: A review. 2010, 41, 806-819		1364
739	A review of bast fibres and their composites. Part 1 – Fibres as reinforcements. 2010, 41, 1329-1335		430
738	Functionalization, Compatibilization and Properties of Polyolefin Composites with Natural Fibers. <i>Polymers, 2010, 2, 554-574</i>	4.5	109
737	Cellulose Biocomposites – From Bulk Moldings to Nanostructured Systems. 2010, 35, 201-207		157
736	Moisture absorption properties of wood-fiber-reinforced recycled polypropylene matrix composites. 2010, 16, 50-57		10
735	Testing the effect of processing and surface treatment on the interfacial adhesion of single fibres in natural fibre composites. 2011, 146-185		4
734	Preparation and Characterization of PVC/Natural Filler Composites. 2011, 299-300, 227-233		7
733	Natural Fibre-Reinforced Polymer Composites and Nanocomposites for Automotive Applications. 2011, 661-700		24
732	Sisal Fiber Based Polymer Composites and Their Applications. 2011, 589-659		24
731	Cellulose Fibers: Bio- and Nano-Polymer Composites. 2011,		164
730	Interfacial studies of natural fibre/polypropylene composites using single fibre fragmentation test (SFFT). 2011, 42, 50-56		84

729	Preparation, Properties and Applications of Chitosan-Based Biocomposites/Blend Materials: A Review. 2011 , 18, 449-507		46
728	Effect of Interfacial Modifiers on Physical Properties and Flammability Properties of PE/Wood Composites. 2011 , 19, 639-646		8
727	Advanced Cellulosic Nanocomposite Materials. 2011 ,		3
726	Natural Fiber Polymer Composites Technology Applied to the Recovery and Protection of Tropical Forests Allied to the Recycling of Industrial and Urban Residues. 2011 ,		2
725	Cellulose-Based Bio- and Nanocomposites: A Review. 2011 , 2011, 1-35		367
724	Interfaces in Multiphase Polymer Systems. 2011 , 81-121		3
723	Characterization of interfacial stress transfer ability of particulate cellulose composite materials. 2011 , 43, 693-704		22
722	Biofibers. 2011 , 323-365		9
721	Eco-composite: the effects of the jute fiber treatments on the mechanical and environmental performance of the composite materials. 2011 , 45, 573-589		19
720	Thermal and microstructural characterization of compatibilized polystyrene/natural fillers composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 103, 95-101	4.1	11
719	Preparation and characterization of poly (vinyl butyral)-leather fiber composites. <i>Polymer Composites</i> , 2011 , 32, 776-785	3	26
718	Green composites: An overview. <i>Polymer Composites</i> , 2011 , 32, 1905-1915	3	340
717	Recycling engine oil containers to prepare woodâplastic composites. 2011 , 122, 964-972		4
716	Static bending and impact behaviour of areca fibers composites. 2011 , 32, 2469-2475		57
715	Kenaf fiber reinforced composites: A review. 2011 , 32, 4107-4121		761
714	Interface engineering through matrix modification in natural fibre composites. 2011 , 43-81		2
713	Effect of Benzoylation and Graft Copolymerization on Morphology, Thermal Stability, and Crystallinity of Sisal Fibers. 2011 , 8, 27-38		39
712	Rheological Behaviour of Polypropylene/Kenaf Fibre Composite: Effect of Fibre Size. 2011 , 471-472, 513-517		10

711	Research on Moisture Absorption Behavior of Recycled Polypropylene Matrix Wood Plastic Composites. 2011 , 24, 65-82	15
710	Fabrication of a Composite Material from Lyocell Fabrics Treated with Alumina/Titania Hybrid Materials. 2011 , 60, 893-906	
709	Effects of Sericite Modified by Macromolecular Dispersant on the Thermal, Mechanical and Electrical Properties of the NR/SBR Composites. 2011 , 48, 962-968	4
708	Cellulose nanofillers for food packaging. 2011 , 86-107	6
707	Shear strength of the lyocell fiber/polymer matrix interface evaluated with the microbond technique. 2012 , 46, 359-367	15
706	Effects of Methane Cold Plasma in Sisal Fibers. 2012 , 517, 458-468	22
705	Evaluation and testing of mechanical properties of wood plastic composite. 2012 , 25, 391-401	19
704	Polypropylene hybrid composites with wood flour and needle-like minerals. 2012 , 41, 114-119	1
703	Interfacial, Mechanical and Thermal Properties of Coir Fiber-Reinforced Poly(Lactic Acid) Biodegradable Composites. 2012 , 21, 103-122	39
702	Studies on the Tribological Behavior of Natural Fiber Reinforced Polymer Composite. 2012 , 329-345	21
701	Chemical treatments on plant-based natural fibre reinforced polymer composites: An overview. 2012 , 43, 2883-2892	865
700	Surface-initiated ring-opening polymerization from cellulose model surfaces monitored by a Quartz Crystal Microbalance. 2012 , 8, 512-517	27
699	Grafting of cellulose by ring-opening polymerisation – a review. 2012 , 48, 1646-1659	183
698	Improving Tensile Properties of Kenaf Fibers Treated with Sodium Hydroxide. 2012 , 41, 1587-1592	89
697	Poly lactide-Based Wood Plastic Composites Toughened with SBS. 2012 , 51, 193-198	18
696	Physico-mechanical properties of chemically treated polypropylene rice straw bio-composites. 2012 , 31, 303-312	18
695	Synthesis, adsorption and adhesive properties of a cationic amphiphilic block copolymer for use as compatibilizer in composites. 2012 , 48, 1195-1204	19
694	Solvent infusion processing of all-cellulose composite materials. 2012 , 90, 730-3	44

693	Effects of organic peroxide and polymer chain structure on morphology and thermal properties of sisal fibre reinforced polyethylene composites. 2012 , 43, 703-710	36
692	All-Cellulose Composites. 2012 , 1	1
691	Natural Fiber Reinforced Composites. 2012 , 52, 259-320	263
690	Thermogravimetric behavior of natural fibers reinforced polymer composites—An overview. 2012 , 557, 17-28	146
689	Physical tuning of cellulose-polymer interactions utilizing cationic block copolymers based on PCL and quaternized PDMAEMA. 2012 , 4, 6796-807	27
688	Enhancement of mechanical and thermal properties of oil palm empty fruit bunch fiber poly(butylene adipate-co-terephthalate) biocomposites by matrix esterification using succinic anhydride. 2012 , 17, 1969-91	42
687	Polymer/Wood Composites. 2012 , 1	
686	Polyvinyl Chloride Composites. 2012 , 1	2
685	Thermogravimetric Stability Behavior of Less Common Lignocellulosic Fibers - a Review. 2012 , 1, 189-199	42
684	Utilization of coconut shell powder as a novel filler in natural rubber. 2012 , 31, 533-547	40
683	Hemp fiber and its composites — a review. 2012 , 46, 973-986	317
682	EFFECT OF MALEIC ANHYDRIDE ON KENAF DUST FILLED POLYCAPROLACTONE/THERMOPLASTIC SAGO STARCH COMPOSITES. 2012 , 7,	5
681	Isocyanate Modification of Wood Fiber in Enhancing the Performance of its Composites with High Density Polyethylene. 2012 , 3, 43-60	4
680	Density and Water Absorption of Sugarcane Bagasse-Filled Poly(vinyl chloride) Composites. 2012 , 20, 659-664	6
679	Effects of methyl methacrylate grafting and polyamide coating on the interfacial behavior and mechanical properties of jute-fiber-reinforced polypropylene composites. 2012 , 18, 113-119	14
678	Physical properties of PVC/aminosilane-treated wood flour/organoclay composites. 2012 , 23, 1441-1445	10
677	Effects of organic peroxide and polymer chain structure on mechanical and dynamic mechanical properties of sisal fiber reinforced polyethylene composites. 2012 , 125, 2216-2222	8
676	Utilization of peanut shell powder as a novel filler in natural rubber. 2012 , 125, 2322-2334	48

675	The interfacial modification of rice straw fiber reinforced poly(butylene succinate) composites: Effect of aminosilane with different alkoxy groups. 2012 , 125, 3211-3220	37
674	Polypropylene composites with natural fibers and wood –General mechanical property profiles. 2012 , 72, 550-557	135
673	Mechanisms and impact of fiber–matrix compatibilization techniques on the material characterization of PHBV/oak wood flour engineered biobased composites. 2012 , 72, 708-715	93
672	Bio-inspired tapered fibers for composites with superior toughness. 2012 , 72, 1012-1019	13
671	The effect of alkali pretreatment on mechanical and morphological properties of tropical wood polymer composites. 2012 , 33, 419-424	61
670	Modeling the kinetics of water transport and hydroexpansion in a lignocellulose-reinforced bacterial copolyester. 2012 , 53, 2152-2161	40
669	Reinforcement of electrospun membranes using nanoscale Al ₂ O ₃ whiskers for improved tissue scaffolds. 2012 , 100, 903-10	18
668	Effect of silane treatment on physicochemical properties of lignocellulosic C. indica fiber. 2012 , 124, 2473-2484	11
667	A critical review of all-cellulose composites. 2012 , 47, 1171-1186	275
666	Defects in natural fibres: their origin, characteristics and implications for natural fibre-reinforced composites. 2012 , 47, 599-609	106
665	Polyolefin composites with natural fibers and wood-modification of the fiber/filler–matrix interaction. 2013 , 127, 1-17	99
664	Comparative study of maleated and glycidyl methacrylate functionalized terpolymers as compatibilizers for low-density polyethylene–wood flour composites. 2013 , 127, 1010-1016	5
663	Jute fabric reinforced engineering thermoplastic sandwich composites. I. The effect of molding time. 2013 , 127, 2952-2959	13
662	Effects of hot water treatment of raw bark, coupling agent, and lubricants on properties of bark/HDPE composites. 2013 , 42, 50-56	36
661	Utilization of Sunflower Stalk in Manufacture of Thermoplastic Composite. 2013 , 21, 1135-1142	10
660	Effect of Alkaline Treatment and Pre-impregnation on Mechanical and Water Absorbtion Properties of Pine Wood Flour Containing Poly (Lactic Acid) Based Green-Composites. 2013 , 21, 850-856	23
659	Advances in Elastomers II. 2013 ,	9
658	Single fibre pull-out test versus short beam shear test: comparing different methods to assess the interfacial shear strength. 2013 , 48, 3248-3253	19

657	A micromechanical model for moisture-induced deterioration in fully biorenewable wood-plastic composites. 2013 , 50, 81-92	28
656	Characterization of organo-montmorillonite (OMMT) modified wood flour and properties of its composites with poly(lactic acid). 2013 , 51, 33-42	52
655	Effect of Alkali Treatment on the Morphology and Tensile Properties of Cordia Dichotoma Fabric/Polycarbonate Composites. 2013 , 32, n/a-n/a	11
654	Banana fiber/chemically functionalized polypropylene composites with in-situ fiber/matrix interfacial adhesion by Palsule process. 2013 , 20, 309-329	18
653	Hydrothermal ageing of alfa fiber reinforced polyvinylchloride composites. 2013 , 47, 293-300	32
652	Effect of fiber surface treatments on the essential work of fracture of HDPE-continuous henequen fiber-reinforced composites. 2013 , 32, 1114-1122	61
651	Mechanical and thermal properties of chemical treated kenaf fibres reinforced polyester composites. 2013 , 47, 3343-3350	20
650	Surface Treatment and Characterization of Natural Fibers: Effects on the Properties of Biocomposites. 2013 , 133-177	8
649	Cactus fibre/polyester biocomposites: Manufacturing, quasi-static mechanical and fatigue characterisation. 2013 , 74, 150-159	24
648	Thermal stability of surface-esterified cellulose and its composite with polyolefinic matrix. 2013 , 20, 2745-2755	8
647	Polypropylene-based composites reinforced by toluene diisocyanate modified wood. 2013 , 47, 3451-3464	9
646	Effect of enzymatic pretreatment on the mechanical properties of jute fiber-reinforced polyester composites. 2013 , 47, 1293-1302	51
645	Applications and Future Scope of "Green" Composites. 2013 , 465-481	3
644	Damage quantification in polymer composites using a hybrid NDT approach. 2013 , 83, 11-21	72
643	Flexural and impact properties of all-cellulose composite laminates. 2013 , 88, 92-98	41
642	Natural fiber reinforced poly(vinyl chloride) composites: A review. 2013 , 32, 330-356	53
641	On the static and dynamic properties of flax and Cordenka epoxy composites. 2013 , 80, 31-38	58
640	Effect of Aminopropyltriethoxysilane (APS) Treatment on Properties of Mercerized Lignocellulosic Grewia optiva Fiber. 2013 , 21, 141-150	36

639	Reinforced Elastomers: Interphase Modification and Compatibilization in Rubber-Based Nanocomposites. 2013 , 109-154		3
638	Hybrid cork-polymer composites containing sisal fibre: Morphology, effect of the fibre treatment on the mechanical properties and tensile failure prediction. 2013 , 105, 153-162		85
637	Evaluation of the interfacial compatibility in wood flour/polypropylene composites with the dielectric approach. 2013 , 129, 1520-1526		8
636	Effects of hydrophobation treatments of wood particles with an amino alkylsiloxane co-oligomer on properties of the ensuing polypropylene composites. 2013 , 44, 32-39		18
635	Green composites: A review of adequate materials for automotive applications. 2013 , 44, 120-127		712
634	Reinforcement of polypropylene with hemp fibres. 2013 , 46, 221-226		55
633	Effects of the atmospheric plasma treatments on surface and mechanical properties of flax fiber and adhesion between fiber-matrix for composite materials. 2013 , 45, 565-572		108
632	Preparation, characterization and bioactivity assessment of chitosan-acetylated jute blended green films. <i>Fibers and Polymers</i> , 2013 , 14, 1454-1459	2	5
631	Surface Modification of Wood. 2013 , 1, 216-247		52
630	Effects of surface modifications on the interfacial bonding of flax/epolypropylene composites. 2013 , 20, 483-496		15
629	Cellulose Nanofibrils. 2013 , 1, 195-211		126
628	Dimensional stability of natural fibers. 2013 ,		1
627	Magnesium coated bioresorbable phosphate glass fibres: investigation of the interface between fibre and polyester matrices. 2013 , 2013, 735981		8
626	Influence of high loaded wood flour and coupling agent (m-TMI-g-PP) content on properties of wood flour/polypropylene. 2013 , 27, 912-923		11
625	Cogon Grass Fiber-Epoxy Natural Rubber Composites. 2013 , 747, 375-378		9
624	Effects of PMDI Modified on Physico-Mechanical Properties of Silvergrass Reinforced High Density Polyethylene Composites. 2013 , 750-752, 38-42		
623	Studies on Tensile and Water Absorption Properties on Kenaf (Hibiscus Cannabinus) Fibre Mat/Polyester Composite Using Chemical Treatment. 2013 , 421, 290-295		
622	Recent developments of kenaf fibre reinforced thermoset composites: review. 2013 , 17, s2-s11		12

621	Influence of Cellulose Stearate (CS) Content on Thermal and Rheological Properties of Poly(lactic acid)/CS Composites. 2013 , 559, 99-104		1
620	Statistical design of polymeric composites reinforced with banana fibres and silica microparticles. 2013 , 47, 1199-1210		19
619	Preparation and Characterization of Bamboo Fibers Coated with Titanium Urushiol and its Composite Materials with Polypropylene. 2013 , 28, 489-495		1
618	Fabrication of Chemically Treated Natural Fibre Reinforced Polymer Matrix Composites and Measurement of its Sound Absorption Coefficients to Regulate Industrial Noise. 2013 , 465-466, 896-900		
617	Thermomechanical and flexural properties of chopped silk fiber-reinforced poly(butylene succinate) green composites: effect of electron beam treatment of worm silk. 2013 , 22, 437-449		17
616	Improvement of Mechanical Properties of Noil Hemp Fiber Reinforced Polypropylene Composites by Resin Modification and Fiber Treatment. 2013 , 2013, 1-7		2
615	The Effect of Different Alkaline Treatment Condition on Flexural Properties of Kenaf Bast-Unsaturated Polyester Composite. 2013 , 795, 631-634		2
614	Effect of alcohol pretreatment in conjunction with atmospheric pressure plasmas on hydrophobizing ramie fiber surfaces. 2013 , 27, 1278-1288		12
613	Novel, synergistic composites of polypropylene and rice husk ash: Sustainable resource hybrids prepared by solid-state shear pulverization. <i>Polymer Composites</i> , 2013 , 34, 1211-1221	3	31
612	In Situ Mechanical Characterization of Short Vegetal Fibre-Reinforced High-Density Polyethylene Using X-Ray Tomography. 2013 , 298, 1269-1274		6
611	Mechanical properties of polypropylene composites: A review. 2013 , 26, 362-391		219
610	Effect of aluminum trihydroxide on flame retardancy and dynamic mechanical and tensile properties of kenaf/poly(lactic acid) green composites. 2013 , 22, 451-464		21
609	Dynamic mechanical and thermal properties of enzyme-treated jute/polyester composites. 2013 , 47, 2361-2370		19
608	Nanoscale characterization of interphase properties in maleated polypropylene-treated natural fiber-reinforced polymer composites. <i>Polymer Engineering and Science</i> , 2013 , 53, 888-896	2.3	21
607	Plant Fibres for Textile and Technical Applications. 2013 ,		28
606	Processing and Properties of Natural Fiber-Reinforced Polymer Composite. 2013 , 2013, 1-6		33
605	The influence of chemical surface modification of kenaf fiber using hydrogen peroxide on the mechanical properties of biodegradable kenaf fiber/poly(lactic acid) composites. 2014 , 19, 2957-68		83
604	Enhanced degradation stability of poly(p-dioxanone) under different temperature and humidity with bis-(2,6-diisopropylphenyl) carbodiimide. 2014 , 131, n/a-n/a		1

603	Mechanical and biodegradable properties of l-lactide-grafted sisal fiber reinforced polylactide composites. 2014 , 33, 2034-2045		13
602	Applications of Lightweight Composites in Automotive Industries. 2014 , 143-158		11
601	Microemulsion systems for fiber deconstruction into cellulose nanofibrils. 2014 , 6, 22622-7		48
600	Surface-esterified cellulose fiber in a polypropylene matrix: impact of esterification on crystallization kinetics and dispersion. 2014 , 21, 4039-4048		3
599	Application of Natural Fiber as Reinforcement in Recycled Polypropylene Biocomposites. 2014 , 523-549		
598	Improving the bonding between henequen fibers and high density polyethylene using atmospheric pressure ethylene-plasma treatments. 2014 , 8, 491-504		14
597	Interfacial micromechanics of carbon fiber-reinforced polyphenylene sulfide composites. 2014 , 21, 359-369		17
596	Coconut fiber reinforced chemically functionalized high-density polyethylene (CNF/CF-HDPE) composites by Palsule process. 2014 , 48, 3673-3684		16
595	Simultaneous optimization of the mechanical properties of postconsumer natural fiber/plastic composites: Phase compatibilization and quality/cost ratio. <i>Polymer Composites</i> , 2014 , 35, 730-746	3	16
594	Graft polycondensation of microfibrillated jute cellulose with oligo(L-lactic acid) and its properties. 2014 , 131, n/a-n/a		6
593	Nanocellulose-Reinforced Polymer Matrix Composites Fabricated by In-Situ Polymerization Technique. 2014 , 131-161		
592	Chemical Modification and Properties of Cellulose-Based Polymer Composites. 2014 , 301-324		4
591	Interfacial Adhesion in Natural Fiber-Reinforced Polymer Composites. 2014 , 17-39		4
590	Anomalous impact strength for layered double hydroxide-palmitate/poly(Ecaprolactone) nanocomposites. 2014 , 131, n/a-n/a		7
589	Up-cycling end-of-use materials: Highly filled thermoplastic composites obtained by loading waste carbon fiber composite into fluidified recycled polystyrene. <i>Polymer Composites</i> , 2014 , 35, 1621-1628	3	9
588	Preparation of Polypropylene/Sisal Fiber Composites and Study on the Fiber Orientation. 2014 , 989-994, 581-586		2
587	Effect of nanoclay on the decay resistance and physicomechanical properties of natural fiber-reinforced plastic composites against white-rot fungi (<i>Trametes versicolor</i>). 2014 , 27, 1085-1096		9
586	Spruce fiber properties after high-temperature thermomechanical pulping (HT-TMP). 2014 , 68, 195-201		5

585	Processing and characterization of natural cellulose fibers/thermoset polymer composites. 2014 , 109, 102-17		641
584	Effect of coupling agent on natural fibre in natural fibre/polypropylene composites on mechanical and thermal behaviour. 2014 , 57, 126-135		119
583	Enhancement of mechanical properties of natural fiber composites via carbon nanotube addition. 2014 , 49, 3225-3233		41
582	Characterization of a new natural fiber from <i>Arundo donax</i> L. as potential reinforcement of polymer composites. 2014 , 106, 77-83		200
581	Viscoelastic behaviour of untreated and chemically treated banana Fiber/PF composites. <i>Fibers and Polymers</i> , 2014 , 15, 91-100	2	22
580	Production and modification of nanofibrillated cellulose using various mechanical processes: a review. 2014 , 99, 649-65		821
579	Preparation and mechanical properties of pithecellobium clypearia benth fibre/polypropylene composites processed by vane extruder. 2014 , 33, 150-165		2
578	Recycled polymers in natural fibre-reinforced polymer composites. 2014 , 103-114		19
577	A study on the mechanical properties and the influence of water uptake and temperature on biocomposites based on polyethylene from renewable sources. 2014 , 64, 72-77		44
576	Surface treatment of cellulose fibers with methylmethacrylate for enhanced properties of in situ polymerized PMMA/cellulose composites. 2014 , 131, n/a-n/a		30
575	Mechanical and interfacial properties of phenolic composites reinforced with treated cellulose fibers. <i>Polymer Engineering and Science</i> , 2014 , 54, 2228-2238	2.3	11
574	Surface-initiated polymer brushes in the biomedical field: applications in membrane science, biosensing, cell culture, regenerative medicine and antibacterial coatings. 2014 , 114, 10976-1026		426
573	Synthesis and Modifications of Epoxy Resins and Their Composites: A Review. 2014 , 53, 1723-1758		122
572	Interfacial properties and impact toughness of dendritic hexamethylenetetramine functionalized carbon fiber with varying chain lengths. 2014 , 4, 39156-39166		36
571	Polypropylene (PP)-based wood polymer composites: Performance of five commercial maleic anhydride grafted PP coupling agents. 2014 , 27, 439-463		12
570	Well-defined ABA- and BAB-type block copolymers of PDMAEMA and PCL. 2014 , 4, 25809		15
569	Compression and injection molding techniques for natural fiber composites. 2014 , 216-232		10
568	Manufacturing methods for natural fibre composites. 2014 , 176-215		16

567	A comparison of various ionic surfactant modifiers used in in situ synthesis of organo-montmorillonite inside wood flour. 2014 , 62, 387-394	10
566	Mechanical and thermo-mechanical behaviors of sizing-treated corn fiber/poly lactide composites. 2014 , 39, 45-52	47
565	Predicting the mechanical properties of date palm wood fibre-recycled low density polyethylene composite using artificial neural network. 2014 , 9,	14
564	Eco-friendly bio-composites using natural rubber (NR) matrices and natural fiber reinforcements. 2014 , 249-283	22
563	Thermo-mechanical properties of acrylated epoxidized hemp oil based biocomposites. 2014 , 48, 1611-1622	11
562	Adhesion and Surface Issues in Biocomposites and Bionanocomposites. 2014 , 2, 173-225	7
561	Effects of humidity conditions at fabrication on the interfacial shear strength of flax/unsaturated polyester composites. 2014 , 60, 186-192	44
560	Damage to flax fibre slivers under monotonic uniaxial tensile loading. 2014 , 64, 107-114	13
559	Cellulose/acrylate membranes for flexible lithium batteries electrolytes: Balancing improved interfacial integrity and ionic conductivity. 2014 , 57, 22-29	15
558	Use of Py-GC/MS and PCFC to characterize the surface modification of flax fibres. 2014 , 105, 122-130	18
557	Manufacturing of robust natural fiber preforms utilizing bacterial cellulose as binder. 2014 ,	9
556	Mechanical properties of recycled Kraft paper residue polyester composites. 2014 , 17, 888-892	3
555	Biopolymers and Biocomposites. 2014 , 1-11	
554	Testing and Characterization of Natural Fiber-Reinforced Composites. 2015 , 175-198	
553	Surface Modification of Natural Fiber Composites and their Potential Applications. 2015 , 370-400	6
552	Surface Modification of Natural Fibers for Reinforcement in Polymeric Composites. 2015 , 224-237	7
551	Optimization of the silane treatment of cellulosic fibers from eucalyptus wood using response surface methodology. 2015 , 132, n/a-n/a	14
550	Improvement in physical and electrical properties of poly(vinyl alcohol) hydrogel conductive polymer composites. 2015 , 132, n/a-n/a	8

549	Use of Coir-Filled LLDPE as a Reinforcement for Natural Rubber Composite. 2015 , 659, 522-526	1
548	Natural polyphenol tannic acid reinforced poly(3-hydroxybutyrate-co-3-hydroxyvalerate) composite films with enhanced tensile strength and fracture toughness. <i>Polymer Composites</i> , 2015 , 36, 2303-2308	3 10
547	Hydrophobic Cellulose-based Materials Obtained by Uniaxial High Pressure Compression: In-situ Esterification with Fatty Acids and Fatty Anhydrides. 2015 , 10,	10
546	Tensile Properties of Bamboo Fiber-reinforced Polypropylene Composites Modified by Impregnation with Calcium Carbonate Nanoparticles. 2015 , 10,	10
545	A Review on Pineapple Leaves Fibre and Its Composites. 2015 , 2015, 1-16	252
544	. 2015 ,	3
543	From Cellulose Dissolution and Regeneration to Added Value Applications â Synergism Between Molecular Understanding and Material Development. 2015 ,	4
542	Chemical Modifications and Properties of Coir Fibers Biocomposites. 2015 , 491-505	
541	Effects of jute fabric structures on the performance of jute-reinforced polypropylene composites. 2015 , 34, 1306-1314	21
540	Agricultural Biomass Based Potential Materials. 2015 ,	17
539	Study of XRD and FESEM Characterization of Cellulose from Hardwood Waste of Resak (<i>Vatica spp.</i>). 2015 , 1087, 40-44	1
538	Improving the flame retardancy of flax fabrics by radiation grafting of phosphorus compounds. 2015 , 68, 313-325	38
537	Nonwood-Based Composites. 2015 , 1, 221-238	14
536	Using CO ₂ -Based Polymer Polypropylene Carbonate to Enhance the Interactions in Poly(lactic acid)/Wood Fiber Biocomposites. 2015 , 3, 91-100	
535	Hemp fibre as alternative to glass fibre in sheet moulding compound. Part 2â Impact properties. 2015 , 44, 291-298	6
534	Improved interfacial properties between glass fibers and tetra-functional epoxy resins modified with silica nanoparticles. <i>Fibers and Polymers</i> , 2015 , 16, 2056-2065	2 22
533	Selection and verification of kenaf fibres as an alternative friction material using Weighted Decision Matrix method. 2015 , 67, 577-582	57
532	A Review of Natural Fibers Used in Biocomposites: Plant, Animal and Regenerated Cellulose Fibers. 2015 , 55, 107-162	339

531	Highly tunable interfacial adhesion of glass fiber by hybrid multilayers of graphene oxide and aramid nanofiber. 2015 , 7, 3329-34	64
530	Effect of interface modification on mechanical and thermal properties of high-density polyethylene/silvergrass composites. 2015 , 28, 128-141	1
529	Extraction of cellulose nanocrystals from plant sources for application as reinforcing agent in polymers. 2015 , 75, 176-200	280
528	Removal of sulfide ions from water using rice husk. 2015 , 36, 187-195	3
527	Influence of Ionizing Radiation on the Mechanical Properties of a Wood-Plastic Composite. 2015 , 66, 595-603	8
526	Study of Fire Retardancy and Thermal and Mechanical Properties of HDPE-Wood Composites. 2015 , 35, 412-423	18
525	Grafting of nano-TiO ₂ onto flax fibers and the enhancement of the mechanical properties of the flax fiber and flax fiber/epoxy composite. 2015 , 76, 172-180	68
524	Electrospun Cellulose Composite Nanofibers. 2015 , 191-227	4
523	Integrating durability-based service-life predictions with environmental impact assessments of natural fiber-reinforced composite materials. 2015 , 99, 72-83	31
522	Green composites based on polypropylene matrix and hydrophobized spend coffee ground (SCG) powder. 2015 , 78, 256-265	93
521	Mechanical performance of polyethylene (PE)-based biocomposites. 2015 , 237-256	4
520	Sustainable wood-plastic composites from bio-based polyamide 11 and chemically modified beech fibers. 2015 , 6, 6-14	52
519	Intelligent Thermal Control of Resistance Welding of Fiberglass Laminates for Automated Manufacturing. 2015 , 20, 1069-1078	6
518	Impact of fibre moisture content on the structure/mechanical properties relationships of PHBV/wheat straw fibres biocomposites. 2015 , 117, 386-391	36
517	Challenges for Kenaf Fiber as a Reinforcement: A Review. 2015 , 773-774, 149-153	5
516	Mechanical properties of corn fiber reinforced polypropylene composites using Taguchi method. 2015 , 2, 3084-3092	11
515	Bio-nanocomposites from Natural Fibre Derivatives: Manufacturing and Properties. 2015 , 233-265	5
514	Manufacturing and Processing of Kenaf Fibre-Reinforced Epoxy Composites via Different Methods. 2015 , 101-124	7

513	Effect of fiber treatment on the mechanical properties of date palm fiber reinforced PP/EPDM composites. 2015 , 24, 27-40		24
512	Modelling impact behaviour of all-cellulose composite plates. 2015 , 122, 139-143		22
511	Adhesion analysis of non-woven natural fibres in unsaturated polyester resin. 2015 , 118, 1067-1078		5
510	Mechanical properties of kenaf fibre reinforced polymer composite: A review. 2015 , 76, 87-96		352
509	Comparative study of 12 pineapple leaf fiber varieties for use as mechanical reinforcement in polymer composites. 2015 , 64, 68-78		62
508	Synergistic effect of coupling agents and fiber treatments on mechanical properties and moisture absorption of polypropylene/husk composites and their foam. 2015 , 68, 313-322		48
507	Composites of polypropylene with pulque fibres: Morphology, thermal and mechanical properties. 2015 , 28, 1615-1626		10
506	Effect of fiber loading on the properties of treated cellulose fiber-reinforced phenolic composites. 2015 , 68, 185-192		62
505	Effect of chemical treatment on newspaper fibers reinforced polymer poly(vinyl chloride) composites. 2016 , 22, 173-181		8
504	Oat fibers modification by reactive extrusion with alkaline hydrogen peroxide. 2016 , 26, 320-326		6
503	Effects of Surface Modification on the Mechanical Properties of Flax/Polypropylene Composites. <i>Materials</i> , 2016 , 9,	3-5	39
502	Effect of Peach Palm Fiber Microstructure on its Tensile Behavior. 2016 , 11,		9
501	Effect of Pretreatment Methods on Properties of Natural Fiber Composites: A Review. 2016 , 24, 555-566		40
500	Preparation of Silk Sericin/Lignin Blend Beads for the Removal of Hexavalent Chromium Ions. 2016 , 17,		39
499	Immobilization of Trypsin in Lignocellulosic Waste Material to Produce Peptides with Bioactive Potential from Whey Protein. <i>Materials</i> , 2016 , 9,	3-5	26
498	Development of Surface-Modified Polyacrylonitrile Fibers and Their Selective Sorption Behavior of Precious Metals. 2016 , 6, 378		12
497	Effects of alkali and alkali/silane treatments of corn fibers on mechanical and thermal properties of its composites with polylactic acid. <i>Polymer Composites</i> , 2016 , 37, 3499-3507	3	23
496	Chemical surface modification of wheat straw fibers for polypropylene reinforcement. <i>Polymer Composites</i> , 2016 , 37, 2133-2141	3	17

495	The effect of red phosphorus on the fire properties of intumescent pine wood flour ðLDPE composites. 2016 , 40, 697-703		13
494	Influence of the coupling agent and graphene oxide on the thermal and mechanical behavior of tea dust ðpolypropylene composites. 2016 , 133, n/a-n/a		12
493	Effect of surface modification of rice straw on mechanical and flow properties of TPU-based green composites. <i>Polymer Composites</i> , 2016 , 37, 1596-1602	3	19
492	Effects of Sodium Dodecyl Sulfate Filler Treatment and Thermo-Oxidative Ageing on the Properties of Poly(Vinyl Chloride)/Epoxidized Natural Rubber/Kenaf Core Powder Composites. 2016 , 694, 13-17		
491	Utilization of agricultural and forest industry waste and residues in natural fiber-polymer composites: A review. 2016 , 54, 62-73		258
490	Nanoclay Reinforced Polymer Composites. 2016 ,		10
489	Nanoclay Based Natural Fibre Reinforced Polymer Composites: Mechanical and Thermal Properties. 2016 , 81-101		1
488	Experimental and theoretical investigation of prestressed natural fiber-reinforced polylactic acid (PLA) composite materials. 2016 , 95, 346-354		70
487	Sustainable eco ðcomposites obtained from waste derived biochar: a consideration in performance properties, production costs, and environmental impact. 2016 , 129, 159-168		60
486	Influence of pineapple leaf fiber and it's surface treatment on molecular orientation in, and mechanical properties of, injection molded nylon composites. 2016 , 52, 141-149		51
485	Benzoyl Chloride Treatment of Kenaf Core Powder: The Effects on Mechanical and Morphological Properties of PVC/ENR/kenaf Core Powder Composites. 2016 , 19, 803-809		19
484	Using Forest Resources to Develop High Performance Plastic Compounds for the Automotive Industry. 2016 , 31, 423-432		5
483	Biomimetic additive manufactured polymer composites for improved impact resistance. 2016 , 9, 317-323		81
482	Applications of Green Composite Materials. 2016 , 312-337		21
481	Surface Modification of Natural Fibers for Reinforced Polymer Composites: A Critical Review. 2016 , 4, 1-46		22
480	A parametric study of mechanical and flammability properties of biochar reinforced polypropylene composites. 2016 , 91, 177-188		48
479	A review on the cords & plies reinforcement of elastomeric polymer matrix. 2016 , 36, 012034		1
478	Thermo-physical, thermal degradation, and flexural properties of betel nut husk fiber reinforced vinyl ester composites. <i>Polymer Composites</i> , 2016 , 37, 2008-2017	3	9

477	Isolation of Microfibrillated Cellulose (MFC) from Local Hardwood Waste, Resak (<i>Vatica</i> spp.). 2016 , 846, 679-682	1
476	Flammability and thermal degradation behavior of flame retardant treated wood flour containing intumescent LDPE composites. 2016 , 74, 851-856	9
475	Sodium dodecyl sulfate (SDS) as a filler treatment: effects on mechanical, morphological and swelling properties of poly (vinyl chloride) (PVC)/epoxidized natural rubber (ENR)/kenaf core powder composites. 2016 , 20, 504-511	2
474	Re-Emerging Field of Lignocellulosic Fiber ã Polymer Composites and Ionizing Radiation Technology in their Formulation. 2016 , 56, 702-736	95
473	Interface and bonding mechanisms of plant fibre composites: An overview. 2016 , 101, 31-45	208
472	<i>Guadua angustifolia</i> bamboo fibers as reinforcement of polymeric matrices: An exploratory study. 2016 , 116, 93-97	13
471	New opportunities to valorize biomass wastes into green materials. 2016 , 133, 235-242	38
470	Preparation, structure, and property of wood flour incorporated polypropylene composites prepared by a solid-state mechanochemical method. 2016 , 133, n/a-n/a	8
469	Investigations of plasma induced effects on the surface properties of lignocellulosic natural coir fibres. 2016 , 368, 146-156	45
468	Fibrous and Textile Materials for Composite Applications. 2016 ,	18
467	Recycled HDPE reinforced with sol-gel silica modified wood sawdust. 2016 , 76, 28-39	38
466	Binderless all-cellulose fibreboard from microfibrillated lignocellulosic natural fibres. 2016 , 83, 38-46	48
465	High pressure-assisted magnesium carbonate impregnated natural fiber-reinforced composites. 2016 , 86, 16-22	23
464	Thermal and Tensile Mechanical Behavior of Polystyrene Graft Acetic Anhydride-Treated Pulque Fibers. 2016 , 13, 125-136	9
463	Effect of enzyme and plasma treatments of bark cloth from <i>Ficus natalensis</i> : morphology and thermal behavior. 2016 , 107, 663-671	2
462	Kenaf (<i>Hibiscus cannabinus</i> L.) fibre based bio-materials: A review on processing and properties. 2016 , 78-79, 1-92	158
461	Torrefaction treatment of lignocellulosic fibres for improving fibre/matrix adhesion in a biocomposite. 2016 , 92, 223-232	27
460	Characterisation of waste derived biochar added biocomposites: chemical and thermal modifications. 2016 , 550, 133-142	31

459	Effects of Poly(Vinyl Chloride)-Grafted-Maleic Anhydride on the Poly(Vinyl Chloride)/Epoxidized Natural Rubber/Kenaf Core Powder Composite. 2016 , 1133, 151-155	1
458	Surface Preparation of Fibres for Composite Applications. 2016 , 301-315	1
457	Upgrading flax nonwovens: Nanocellulose as binder to produce rigid and robust flax fibre preforms. 2016 , 83, 63-71	22
456	Electrophoretic deposition of aramid nanofibers on carbon fibers for highly enhanced interfacial adhesion at low content. 2016 , 84, 482-489	53
455	The interface designing and reinforced features of wood fiber/polypropylene composites: Wood fiber adopting nano-zinc-oxide-coating via ion assembly. 2016 , 124, 1-9	24
454	Tinctorial behavior of curaua and banana fibers and dyeing wastewater treatment by porous alumina membranes. 2016 , 57, 2750-2758	2
453	Polyolefins in Automotive Industry. 2016 , 265-283	9
452	Effect of Potato Pulp Filler on the Mechanical Properties and Water Vapor Transmission Rate of Thermoplastic WPI/PBS Blends. 2016 , 55, 510-517	15
451	Polyolefin Compounds and Materials. 2016 ,	28
450	Surface properties of in situ organo-montmorillonite modified wood flour and the influence on mechanical properties of composites with polypropylene. 2016 , 361, 234-241	20
449	Mechanical, thermal, and curing characteristics of renewable phenol-hydroxymethylfurfural resin for application in bio-composites. 2016 , 51, 732-738	13
448	Alternative Monomers Based on Lignocellulose and Their Use for Polymer Production. 2016 , 116, 1540-99	442
447	New route for modifying cellulosic fibres with fatty acids and its application to polyethylene/jute fibre composites. 2016 , 50, 2477-2485	17
446	Vegetal fiber-based biocomposites: Which stakes for food packaging applications?. 2016 , 133, n/a-n/a	43
445	Mechanical properties of surface-treated ramie fiber fabric/epoxy resin composite fabricated by vacuum-assisted resin infusion molding with hot compaction. 2016 , 50, 1189-1198	18
444	The effect of pre-impregnation with maleated coupling agents on mechanical and water absorption properties of jute fabric reinforced polypropylene and polyethylene biocomposites. 2016 , 50, 257-267	13
443	A study on cutting temperature for wood-plastic composite. 2016 , 29, 1627-1640	5
442	Effect of crude oil and well stream chemical on glass fiber epoxy composite pipes. 2017 , 24, 893-899	1

441	Modification of pineapple leaf fiber surfaces with silane and isocyanate for reinforcing thermoplastic. 2017 , 30, 1344-1360		17
440	Effect of chemical treatment on thermal properties of bagasse fiber-reinforced epoxy composite. 2017 , 24, 237-243		8
439	Properties enhancement using oil palm shell nanoparticles of fibers reinforced polyester hybrid composites. 2017 , 26, 259-272		25
438	Mechanical properties of Macadamia nutshell powder and PLA bio-composites. 2017 , 15, 150-156		11
437	Permeability and mechanical property correlation of bio based epoxy reinforced with unidirectional sisal fiber mat through vacuum infusion molding technique. <i>Polymer Composites</i> , 2017 , 38, 2192-2200	3	5
436	Properties of rice husk/epoxy composites under different interfacial treatments. <i>Polymer Composites</i> , 2017 , 38, 1992-2000	3	7
435	Wettability and interfacial characterization of alkaline treated kenaf fiber-unsaturated polyester composites fabricated by resin transfer molding. <i>Polymer Composites</i> , 2017 , 38, 507-515	3	23
434	A review on new bio-based constituents for natural fiber-polymer composites. 2017 , 149, 582-596		282
433	Effect of kenaf and EFB fiber hybridization on physical and thermo-mechanical properties of PLA biocomposites. <i>Fibers and Polymers</i> , 2017 , 18, 116-121	2	9
432	Thermal Properties of Cellulose Nanocomposites. 2017 , 523-552		3
431	Polypropylene-based composites reinforced with textile wastes. 2017 , 134, 45060		20
430	Effect of a solvent-free acetylation treatment on reinforcements permeability and tensile behaviour of flax/epoxy and flax/wood fibre/epoxy composites. 2017 , 95, 1082-1092		9
429	Influence of plasma treatment on the adhesion between a polymeric matrix and natural fibres. 2017 , 24, 1791-1801		31
428	Izod Impact Tests in Polyester Matrix Composites Reinforced with Figue Fabric. 2017 , 365-372		2
427	Mechanical properties of burmese silk orchid fiber reinforced epoxy composites. 2017 , 4, 3116-3121		6
426	Effect of surface modified rice husk (RH) on the flexural properties of recycled HDPE/RH composite. 2017 , 3, 482-489		10
425	Effect of TEMPO oxidation of flax fibers on the grafting efficiency of silane coupling agents. 2017 , 52, 10624-10636		10
424	Tissue Repair. 2017 ,		

423	Reinforced thermoplastic composites with interfacial microarchitectural anchoring: Computational study. 2017 , 112, 54-64	2
422	Effect of Process Parameters on Grafting Ratio and Thermal Stability of Lactide-Grafted Sisal Fiber. 2017 , 14, 86-96	2
421	Review of Nanocellulose Polymer Composite Characteristics and Challenges. 2017 , 56, 687-731	56
420	Thermoset Resin Based Fiber Reinforced Biocomposites. 2017 , 423-484	4
419	Surface Modification of Natural Fibers for Reinforced Polymer Composites. 2017 , 1-44	
418	Enzymatic-Assisted Modification of Thermomechanical Pulp Fibers To Improve the Interfacial Adhesion with Poly(lactic acid) for 3D Printing. 2017 , 5, 9338-9346	52
417	Investigations On Mechanical Properties Of Glass And Sugarcane Fiber Polymer Matrix Composites. 2017 , 4, 5408-5420	13
416	Effects of alkali-treated bamboo fibers on the morphology and mechanical properties of oil well cement. 2017 , 150, 619-625	39
415	TEMPO-oxidized cellulose nanofibers as interfacial strengthener in continuous-fiber reinforced polymer composites. 2017 , 133, 340-348	22
414	Sisal (Agave sisalana) fibre and its polymer-based composites: A review on current developments. 2017 , 36, 1759-1780	56
413	Silane Coupling Agents Used in Natural Fiber/Plastic Composites. 2017 , 407-430	5
412	Composites of Olefin Polymer/Natural Fibers: The Surface Modifications on Natural Fibers. 2017 , 431-456	
411	Role of Radiation and Surface Modification on Biofiber for Reinforced Polymer Composites: A Review. 2017 , 541-562	
410	The fracture toughness of natural fibre- and glass fibre-reinforced SMC. 2017 , 46, 355-364	2
409	Plantain fibre particle reinforced HDPE (PFPRHDPE) for gas line piping design. 2017 , 21, 370-396	5
408	Fully Biodegradable Films Based on Functionalized Natural Polyphenol/Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate) as a Potential Material for Food Packaging. 2017 , 898, 2279-2285	
407	Properties of Glass-Fiber Hybrid Composites: A Review. 2017 , 56, 455-469	45
406	Mechanical properties of a polyurethane hybrid composite with natural lignocellulosic fibers. 2017 , 110, 459-465	63

405	Cellulosic materials as natural fillers in starch-containing matrix-based films: a review. <i>Polymer Bulletin</i> , 2017 , 74, 2401-2430	2.4	72
404	Thermal stability and degradation kinetics of kenaf/sol-gel silica hybrid. 2017 ,		1
403	. 2017 ,		2
402	Key issues in reinforcement involving nanocellulose. 2017 , 401-425		2
401	Materials for Wind Turbine Blades: An Overview. <i>Materials</i> , 2017 , 10,	3.5	214
400	Interfacial Properties of Bamboo Fiber-Reinforced High-Density Polyethylene Composites by Different Methods for Adding Nano Calcium Carbonate. <i>Polymers</i> , 2017 , 9,	4.5	11
399	Modification of Nanocellulose to Improve Properties. 2017 , 91-104		
398	Effect of Surface Biopolymeric Treatment on Sisal Fiber Properties and Fiber-Cement Bond. 2017 , 12, 155892501701200		5
397	Gamma radiation effect on sisal / polyurethane composites without coupling agents. 2017 , 27, 165-170		12
396	. 2017 ,		4
395	Improvement of fibreâ€”matrix adhesion in cellulose/polyolefin composite materials by means of photo-chemical fibre surface modification. 2018 , 25, 2451-2471		8
394	A comprehensive review on surface modification, structure interface and bonding mechanism of plant cellulose fiber reinforced polymer based composites. 2018 , 25, 629-667		63
393	Processing, Tensile, and Thermal Studies of Poly(Vinyl Chloride)/Epoxidized Natural Rubber/Kenaf Core Powder Composites with Benzoyl Chloride Treatment. 2018 , 57, 1507-1517		10
392	Mechanical Reinforcement of Low-Concentration Alginate Fibers by Microfluidic Embedding of Multiple Cores. 2018 , 303, 1700516		2
391	Surfaces and Interfaces in Natural Fibre Reinforced Composites. 2018 ,		13
390	Modification of the Interface/Interphase in Natural Fibre Reinforced Composites: Treatments and Processes. 2018 , 35-70		7
389	Characterization of the Fibre Modifications and Localization of the Functionalization Molecules. 2018 , 71-100		0
388	Characterization of the Interface/Interphase in Natural Fibre Based Composites. 2018 , 101-133		

387	Potential of all-cellulose composites in corrugated board applications: Comparison of chemical pulp raw materials. 2018 , 31, 173-183		6
386	Lignocellulosic Composite Materials. 2018 ,		5
385	Design and Fabrication of Kenaf Fibre Reinforced Polymer Composites for Portable Laptop Table. 2018 , 323-356		3
384	Thermoplastic elastomer composition based on an interpenetrating polymeric network of styrene butadiene rubber and poly(methyl methacrylate) as an efficient vibrational damper. 2018 , 42, 1939-1951		19
383	Pretreatments of Natural Fibers for Polymer Composite Materials. 2018 , 137-175		3
382	Imparting resiliency in biocomposite production systems: A system dynamics approach. 2018 , 179, 450-459		7
381	Multifunctional Composite Ecomaterials and Their Impact on Sustainability. 2018 , 1-31		
380	Torque rheological properties of agro-waste-based polypropylene composites: Effect of filler content and green coupling agent. 2018 , 24, E30-E35		7
379	Effect of nylon 6 (PA6) addition on the properties of glass fiber reinforced acrylonitrile-butadiene-styrene. <i>Polymer Composites</i> , 2018 , 39, 14-21	3	11
378	An economically viable method for the removal of cobalt ions from aqueous solution using raw and modified rice strawPeer review under responsibility of Housing and Building National Research Center.View all notes. 2018 , 14, 255-262		16
377	Mechanical properties of metal oxide dispersed jute fiber reinforced polyester biocomposites. <i>Polymer Composites</i> , 2018 , 39, E101-E112	3	8
376	A comparative analysis of physico-mechanical, water absorption, and morphological behaviour of surface modified woven jute fiber composites. <i>Polymer Composites</i> , 2018 , 39, 2952-2960	3	8
375	Effects of fiber-surface modification on the properties of bamboo flour/polypropylene composites and their interfacial compatibility. 2018 , 38, 157-166		5
374	Review on Three-Dimensionally Emulated Fiber-Embedded Lactic Acid Polymer Composites: Opportunities in Engineering Sector. 2018 , 57, 860-874		31
373	The role of interface in improving fracture toughness of shaped steel fiber-reinforced composites. 2018 , 52, 981-987		1
372	Modeling and optimization of tensile strength and modulus of polypropylene/kenaf fiber biocomposites using Box-Behnken response surface method. <i>Polymer Composites</i> , 2018 , 39, E463-E479	3	20
371	An experimental investigation and optimization on the impact strength of kenaf fiber biocomposite: application of response surface methodology. <i>Polymer Bulletin</i> , 2018 , 75, 3283-3309	2.4	17
370	Fabrication and characterization of olive pomace filled PP composites. 2018 , 150, 277-283		32

369	Wood-plastic composites based on HDPE and ionic liquid additives. 2018 , 53, 4132-4143		12
368	Review of natural fibre-reinforced hybrid composites. 2018 , 37, 331-348		78
367	Enhanced interfacial interactions of carbon fiber reinforced PEEK composites by regulating PEI and graphene oxide complex sizing at the interface. 2018 , 154, 175-186		119
366	Biocomposite Fiber-Matrix Treatments that Enhance In-Service Performance Can Also Accelerate End-of-Life Fragmentation and Anaerobic Biodegradation to Methane. 2018 , 26, 1715-1726		12
365	New Possibilities of Raw Cotton Pre-treatment before reactive dyeing. 2018 , 460, 012026		4
364	Injection Molding of Thermoplastic Cellulose Esters and Their Compatibility with Poly(Lactic Acid) and Polyethylene. <i>Materials</i> , 2018 , 11,	3.5	11
363	Izod impact energy study of re-forced polisher matrix compounds with curauous fibers aligned and epoxy matrix reinforced with piassava fibers. <i>Revista Materia</i> , 2018 , 23,	0.8	
362	The Effect of Cyperus Odoratus Size and Loading on the Properties of Polypropylene/Cyperus Odoratus (PP/CY) Composites. 2018 , 1019, 012056		1
361	The Influences NaOH Treatment on Polypropylene/Cyperus Odoratus (PP/CY) Composites: Tensile and Morphology. 2018 , 1019, 012057		10
360	. 2018 ,		5
359	Effect of Different Compatibilizers on Sustainable Composites Based on a PHBV/PBAT Matrix Filled with Coffee Silverskin. <i>Polymers</i> , 2018 , 10,	4.5	18
358	Thermoplastic Elastomer composite using Benzyl Chloride Treatment on Kenaf Core Powder Mixing with Polypropylene and Virgin Acrylonitrile Butadiene Rubber. 2018 , 429, 012013		4
357	Analysis of enhancement of bonding strength in terms of mechanical behavior: Hardness, flexural strength and modulus of Borassus flabellifer (palmyra palm) leaf fiber reinforced polymer matrix composites. 2018 ,		
356	Cellulose Reinforced Green Foams. 2018 , 247-273		
355	Some Mechanical Properties of Coconut Fiber Reinforced Polyethylene Composite to Control Environmental Waste in Ghana. 2018 , 8, 1		6
354	Contact Resonance Force Microscopy for Viscoelastic Property Measurements: From Fundamentals to State-of-the-Art Applications. 2018 , 51, 6977-6996		23
353	Dynamic mechanical properties and characterization of chemically treated sisal fiber-reinforced polypropylene biocomposites. 2018 , 37, 1402-1417		11
352	Mechanical properties of poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/wood flour composites: Effect of interface modifiers. 2018 , 135, 46828		16

351	Enhancement of Wetting and Mechanical Properties of UHMWPE-Based Composites through Alumina Atomic Layer Deposition. 2018 , 5, 1800295	10
350	Recent Advances in Polyethylene-Based Biocomposites. 2018 , 71-96	4
349	Poly(Vinyl Chloride)/Epoxidized Natural Rubber/Kenaf Powder Composites. 2018 , 283-312	
348	Evaluation of some pastes used for gap filling of archaeological bones. 2018 , 128, 284-294	0
347	Extraction and refinement of agricultural plant fibers for composites manufacturing. 2018 , 21, 897-906	17
346	Surface Modification of Aramid Fibres with Graphene Oxide for Interface Improvement in Composites. 2018 , 25, 843-852	30
345	Sustainable and High Performing Biocomposites with Chitosan/Sepiolite Layer-by-Layer Nanoengineered Interphases. 2018 , 6, 9601-9605	33
344	Comparison of different surface treatments of carbon fibers used as reinforcements in epoxy composites: Interfacial strength measurements by in-situ scanning electron microscope tensile tests. 2018 , 167, 331-338	15
343	Physical and flammability properties of kenaf and pineapple leaf fibre hybrid composites. 2018 , 368, 012018	11
342	Recovery of cotton fibers from waste Blue-Jeans and its use in polyester concrete. 2018 , 177, 409-416	26
341	Physical and Mechanical Behaviour of Sida acuta Fibre Reinforced Epoxy Composite at Different Fibre Loading. 2018 , 71, 2105-2117	1
340	UV/O3 treatment as a surface modification of rice husk towards preparation of novel biocomposites. 2018 , 13, e0197345	14
339	Mechanical, thermal, and burning properties of viscose fabric composites: Influence of epoxy resin modification. 2018 , 135, 46673	5
338	Nanobiopolymers Fabrication and Their Life Cycle Assessments. 2019 , 14, e1700754	18
337	A Review on Peanut Shell Powder Reinforced Polymer Composites. 2019 , 58, 349-365	19
336	Effect of Chemical Treatment on the Mechanical Properties of Okra-Fiber-Reinforced Epoxy Composites. 2019 , 247-256	
335	Sustainable Alternative Composites Using Waste Vegetable Oil Based Resins. 2019 , 27, 2464-2477	11
334	Unsaturated Polyester Microcomposites. 2019 , 67-100	3

333	Regenerated cellulose-dispersed polystyrene composites enabled via Pickering emulsion polymerization. 2019 , 223, 115079		16
332	Reactive Melt Mixing of Poly(3-Hydroxybutyrate)/Rice Husk Flour Composites with Purified Biosustainably Produced Poly(3-Hydroxybutyrate--3-Hydroxyvalerate). <i>Materials</i> , 2019 , 12,	3-5	22
331	Holz-Kunststoff-Verbundwerkstoffe. 2019 , 96, 438-449		1
330	Low-temperature plasma assisted growth of vertical graphene for enhancing carbon fibre/epoxy interfacial strength. 2019 , 184, 107867		18
329	Modification of Natural Fibers and Polymeric Matrices. 2019 , 367-388		
328	Sustainability of surface treatment of natural fibre in composite formation: challenges of environment-friendly option. 2019 , 105, 3183-3195		16
327	. 2019 ,		
326	Development and Characterization of Peanut Shell FlourâBopolypropylene Composite. 2019 , 100, 147-153		3
325	. 2019 ,		5
324	Sisal-Green Resin Interfaces in Green Composites. 2019 , 299-317		
323	Dielectric Nanomaterials for Power Energy Storage: Surface Modification and Characterization. 2019 , 2, 627-642		32
322	Dynamic mechanical properties of epoxy based PALF/basalt hybrid composite laminates. 2019 , 6, 105343		7
321	Multi-scale modeling and simulation of natural fiber reinforced composites (Bio-composites). 2019 , 1240, 012103		9
320	Influence of Surface Modification of Cellulose Nanofibers (CNF) as the Reinforcement of Polypropylene Based Composite. 2019 ,		4
319	Characterization of interfacial interactions in bamboo pulp fiber/high-density polyethylene composites treated by nano CaCO ₃ impregnation modification using fractal theory and dynamic mechanical analysis. 2019 , 141, 111712		9
318	Natural Fibers as Sustainable and Renewable Resource for Development of Eco-Friendly Composites: A Comprehensive Review. 2019 , 6,		233
317	Insight into the effect of interface on the mechanical properties of Mg/PLA composite plates. 2019 , 183, 107801		4
316	Use of waste copper slag filled jute fiber reinforced composites for effective erosion prevention. 2019 , 148, 106950		15

315	Mechanical and Hydrothermal Aging Behaviour of Polyhydroxybutyrate-Co-Valerate (PHBV) Composites Reinforced by Natural Fibres. 2019 , 24,		25
314	Effect of plasma modification of polyethylene on natural fibre composites prepared via rotational moulding. 2019 , 177, 107344		27
313	Wetting/drying cyclic effects on mechanical and physicochemical properties of quasi-isotropic flax/epoxy composites. 2019 , 161, 121-130		12
312	Effects of hybridization and interface modification on mechanical properties of wood flour/polymer composites reinforced by glass fibers. <i>Polymer Composites</i> , 2019 , 40, 3601-3610	3	4
311	Biocompatibility of Plasma-Treated Polymeric Implants. <i>Materials</i> , 2019 , 12,	3.5	22
310	Surface hydrophobisation of lignocellulosic waste for the preparation of biothermoelastoplastic composites. 2019 , 118, 481-491		13
309	Additive manufacturing of natural fiber reinforced polymer composites: Processing and prospects. 2019 , 174, 106956		181
308	General scenarios of cellulose and its use in the biomedical field. 2019 , 13, 59-78		53
307	Synthesis and properties of pandanwangi fiber reinforced polyethylene composites: Evaluation of dicumyl peroxide (DCP) effect. 2019 , 15, 53-57		23
306	Mitigating the Impact of Cellulose Particles on the Performance of Biopolyester-Based Composites by Gas-Phase Esterification. <i>Polymers</i> , 2019 , 11,	4.5	13
305	Preparation and Performance of Different Modified Ramie Fabrics Reinforced Anionic Polyamide-6 Composites. 2019 , 7, 226		4
304	Characterization of Rice Husk Fiber-Reinforced Polyvinyl Chloride Composites under Accelerated Simulated Soil Conditions. 2019 , 2019, 1-9		3
303	Synthesis and characterization of short sisal fibre polyester composites. 2019 , 42, 1		7
302	Design and Fabrication of a Shoe Shelf From Kenaf Fiber Reinforced Unsaturated Polyester Composites. 2019 , 315-332		22
301	Feasibility Study of Fly Ash as Filler in Banana Fiber-Reinforced Hybrid Composites. 2019 , 31-47		11
300	Critical Review of the Parameters Affecting the Effectiveness of Moisture Absorption Treatments Used for Natural Composites. <i>Journal of Composites Science</i> , 2019 , 3, 27	3	45
299	Exploring the potential of gas-phase esterification to hydrophobize the surface of micrometric cellulose particles. 2019 , 115, 138-146		12
298	Chemical treatments of flax fibers âControl of the diffusion of molecules into the fiber structure. 2019 , 132, 430-439		5

297	Insights into the biodegradation of PHA / wood composites: Micro- and macroscopic changes. 2019 , 21, e00099	16
296	Combined effects of temperature, hydraulic pressure and salty concentration on the water uptake and mechanical properties of a carbon/glass fibers hybrid rod in salty solutions. 2019 , 76, 19-32	22
295	Surface modification optimization for high-performance polyimide fibers. 2019 , 6, 095107	3
294	Production of epoxy composites reinforced by different natural fibers and their mechanical properties. 2019 , 167, 461-466	100
293	Preparation and characterization of nanocelluloseâ€polyvinyl alcohol multilayer film by layer-by-layer method. 2019 , 26, 4787-4798	15
292	An Overview on Plant Fiber Technology: An Interdisciplinary Approach. 2019 , 977-999	1
291	A review on mechanical behavior of natural fiber reinforced polymer composites and its applications. 2019 , 38, 441-453	61
290	Nanocomposites for Environmental Pollution Remediation. 2019 , 1407-1440	3
289	Fabrication and characterization of chitosan-coated sisal fiber â€Phytigel modified soy protein-based green composite. 2019 , 53, 2481-2504	36
288	Mechanical and thermal properties of rice Straw/PLA modified by nano Attapulgite/PLA interfacial layer. 2019 , 13, 18-21	20
287	Ultrasonic characterization of compatible chemicals on waste materials for pre synthesis of microwave absorbing material. 2019 , 577, 012187	
286	Chemical Modification of Urena lobata (Caeser Weed) Fibers for Reinforcement Applications. 2019 , 1378, 022015	7
285	Efficient Process Chain for Processing Natural Fiber Reinforced Thermoplastics. 2019 , 809, 658-663	
284	Enhanced osteogenesis of mesenchymal stem cells on electrospun cellulose nanocrystals/poly(Ecaprolactone) nanofibers on graphene oxide substrates.. 2019 , 9, 36040-36049	13
283	The Influence of Manufacturing Factors in the Short-Fiber Non-Woven Chestnut Hedgehog Spine-Reinforced Polyester Composite Performance. 2019 , 1-13	1
282	In Vitro Biocompatibility of Electrospun Poly(ECaprolactone)/Cellulose Nanocrystals-Nanofibers for Tissue Engineering. 2019 , 2019, 1-11	11
281	Flax (Linum usitatissimum L.) fibre reinforced polymer composite materials: A review on preparation, properties and prospects. 2019 , 102, 109-166	97
280	All â€greenâ€composites comprising flax fibres and humins' resins. 2019 , 171, 70-77	30

279	Parallel advances in improving mechanical properties and accelerating degradation to polylactic acid. 2019 , 125, 1093-1102		12
278	Investigation of improvement of properties of polypropylene modified by nano silica composites. 2019 , 12, 59-63		22
277	A comprehensive review of techniques for natural fibers as reinforcement in composites: Preparation, processing and characterization. 2019 , 207, 108-121		316
276	Tensile properties prediction of natural fibre composites using rule of mixtures: A review. 2019 , 38, 211-248		17
275	Grafting of amine functions on cellulose acetate fibers by plasma processing. 2019 , 134, 40-48		6
274	Production and modification of nanofibrillated cellulose composites and potential applications. 2019 , 115-141		5
273	Synergistic modification effect of polyvinylidene fluoride and polydopamine on mechanical and damping properties of three-dimensional braided carbon fibers reinforced composites. 2019 , 54, 5457-5471		3
272	Natural fiber-reinforced high-density polyethylene composite hybridized with ultra-high molecular weight polyethylene. 2019 , 53, 2119-2129		6
271	Environmentally friendly polymer composites based on PBAT reinforced with natural fibers from the amazon forest. <i>Polymer Composites</i> , 2019 , 40, 3351-3360	3	23
270	Studies on mechanical properties of banana fibre reinforced polyster composites. 2019 ,		
269	Industrial applications of natural fibre-reinforced polymer composites – challenges and opportunities. 2019 , 12, 212-220		110
268	Experimental and micromechanical investigation of T300/7901 unidirectional composite strength. <i>Polymer Composites</i> , 2019 , 40, 2639-2652	3	13
267	Isolation and characterization of cellulose nanocrystals from pineapple crown waste and their potential uses. 2019 , 122, 410-416		73
266	Effects of hybridization on the mechanical properties of composites reinforced by piassava fibers tissue. 2019 , 162, 73-79		12
265	Dimensionally Stable Cellulose Aerogel Strengthened by Polyurethane Synthesized In Situ. 2019 , 220, 1800372		8
264	Composites with surface-grafted cellulose nanocrystals (CNC). 2019 , 54, 3009-3022		8
263	Routes to halogen-free flame-retardant polypropylene wood plastic composites. 2019 , 30, 187-202		18
262	Evaluation of the effects of decay and weathering in cellulose-reinforced fiber composites. 2019 , 173-210		5

261	Sisal fiber reinforced high density polyethylene pre-preg for potential application in filament winding. 2019 , 159, 369-377		23
260	Sustainable composites from agricultural waste: The use of steam explosion and surface modification to potentialize the use of wheat straw fibers for wood plastic composite industry. <i>Polymer Composites</i> , 2019 , 40, E53	3	8
259	Grafting ramie fiber with carbon nanotube and its effect on the mechanical and interfacial properties of ramie/epoxy composites. 2019 , 16, 388-403		6
258	Surface modification and performance of jute fibers as reinforcement on polymer matrix: an overview. 2019 , 16, 944-960		29
257	An Experimental and Numerical Investigation on the Mechanical Properties of Addition of Wood Flour Fillers in Red Banana Peduncle Fiber Reinforced Polyester Composites. 2020 , 17, 1140-1158		11
256	Effect of Thermal Cycling on Flexural Properties of Microcrystalline Cellulose-Reinforced Denture Base Acrylic Resins. 2020 , 29, 611-616		7
255	Kenaf Fiber Based Bio-Composites: Processing, Characterization and Potential Applications. 2020 , 757-767		3
254	A review of natural fiber composites: properties, modification and processing techniques, characterization, applications. 2020 , 55, 829-892		203
253	Tannic acid functionalization of bamboo micron fibres: Its capability to toughen epoxy based biocomposites. 2020 , 243, 122112		2
252	Solvent-free pulverization and surface fatty acylation of pulp fiber for property-enhanced cellulose/polypropylene composites. 2020 , 244, 118811		7
251	Improved properties of corn fiber-reinforced polylactide composites by incorporating silica nanoparticles at interfaces. 2020 , 28, 170-179		2
250	Fabrication of enhanced epoxy composite by embedded hierarchical porous lignocellulosic foam. 2020 , 150, 1066-1073		6
249	Effects of oxygen and tetravinylsilane plasma treatments on mechanical and interfacial properties of flax yarns in thermoset matrix composites. 2020 , 27, 511-530		15
248	Effect of fiber orientation on dynamic mechanical properties of PALF hybridized with basalt reinforced epoxy composites. 2020 , 7, 015329		15
247	Improvement of interfacial adhesion and mechanical properties of sisal fiber-reinforced poly(lactic acid) composites with added bisoxazoline. <i>Polymer Composites</i> , 2020 , 41, 1841-1852	3	4
246	Two Hybrid Approaches to Fatigue Modeling of Advanced-Sheet Molding Compounds (A-SMC) Composite. 2020 , 27, 19-36		4
245	Correlation between physical bonding and mechanical properties of woodâlastic composites: part 2: effect of thermodynamic factors on interfacial bonding at woodâpolymer interface. 2020 , 34, 756-768		4
244	Correlation between physical bonding and mechanical properties of wood plastic composites: Part 1: interaction of chemical and mechanical treatments on physical properties. 2020 , 34, 744-755		2

243	Synthesis and characterization of microwave absorbing material. 2020 , 94, 1749-1757		1
242	Wear analysis of bio-fillers reinforced epoxy composites. 2020 , 22, 793-798		6
241	Recent advancement in the natural fiber polymer composites: A comprehensive review. 2020 , 277, 124109		83
240	Particle packing into loose networks for tough and sticky composite gels. 2020 , 10, 17173		2
239	Effect of chemical and enzymatic treatments of alfa fibers on polylactic acid bio-composites properties. 2020 , 54, 4959-4967		10
238	Chemical Composition and Mechanical Properties of Natural Fibers. 2020 , 1-12		29
237	Hybrid Effect of PJFs/E-glass/Carbon Fabric Reinforced Hybrid Epoxy Composites for Structural Applications.. 2020 , 1-11		12
236	Up-cycling of agave tequilana bagasse-fibres: A study on the effect of fibre-surface treatments on interfacial bonding and mechanical properties. 2020 , 8, 100158		4
235	Effect of alkali treatment of Salacca Zalacca fiber (SZF) on mechanical properties of HDPE composite reinforced with SZF. 2020 , 59, 3981-3989		6
234	Recent advances in compatibilization strategies of wood-polymer composites by isocyanates. 2020 , 54, 1091-1119		10
233	The Effect of Fiber Chemical Treatment on Chemical Resistance Behavior of Jute Polyethylene Composites for Storage Tank Application. 2020 , 997, 49-55		1
232	Opuntia (Cactaceae) Fibrous Network-reinforced Composites: Thermal, Viscoelastic, Interfacial Adhesion and Biodegradation Behavior. <i>Fibers and Polymers</i> , 2020 , 21, 2353-2363	2	7
231	Nanocellulose Bio-Based Composites for Food Packaging. 2020 , 10,		46
230	Polyolefin Based Copolymers as Matrix Component in Coir Fiber Reinforced Composites. <i>Fibers and Polymers</i> , 2020 , 21, 2042-2054		2
229	Review of Hybrid Fiber Based Composites with Nano Particles-Material Properties and Applications. <i>Polymers</i> , 2020 , 12,	4-5	21
228	Extraction and Characterization of Munja Fibers and Its Potential in the Biocomposites. 2020 , 1-19		6
227	Bamboo materials in cement, geopolymer and reinforced concrete as sustainable solutions for better tomorrow. 2020 , 573, 012036		5
226	Cellulose Modification for Improved Compatibility with the Polymer Matrix: Mechanical Characterization of the Composite Material. <i>Materials</i> , 2020 , 13,	3-5	12

225	Potential Application of Green Composites for Cross Arm Component in Transmission Tower: A Brief Review. 2020 , 2020, 1-15		47
224	Investigation of Mechanical Properties of Jute Fiber Reinforced Low Density Polyethylene Composites. 2020 , 1-18		11
223	Influence of Mercerization Process on the Surface of Coconut Fiber for Composite Reinforcement. 2020 , 1012, 37-42		
222	Effect of MWCNT Surface Functionalisation and Distribution on Compressive Properties of Kenaf and Hybrid Kenaf/Glass Fibres Reinforced Polymer Composites. <i>Polymers</i> , 2020 , 12,	4-5	7
221	The Effects of Natural Fiber Orientations on the Mechanical Properties of Brake Composites. 2020 , 1-12		3
220	Fabrication of agave tequilana bagasse/PLA composite and preliminary mechanical properties assessment. 2020 , 152, 112523		18
219	Engineering the interfacial chemistry and mechanical properties of cellulose-reinforced epoxy composites using atomic layer deposition (ALD). 2020 , 27, 6275-6285		2
218	Studies on durability of sustainable biobased composites: a review.. 2020 , 10, 17955-17999		56
217	Effect of repeated cycles of wetting and drying on mechanical properties of woodâpolypropylene composites. 2020 , 17, 114-122		4
216	Effects of sodium hydroxide treatment on date seeds reinforced LLDPE composites: FTIR and gel content analyses. 2020 ,		
215	A review of environmentally friendly rubber production using different vegetable oils. <i>Polymer Engineering and Science</i> , 2020 , 60, 1097-1117	2-3	12
214	Study of mechanical properties of the polymer matrix composite materials using pistachio shells. 2020 , 33, 2912-2916		1
213	Classification of wood fibre geometry and its behaviour in wood poly(lactic acid) composites. 2020 , 133, 105871		12
212	Using viscoelastic modeling and molecular dynamics based simulations to characterize polymer natural fiber composites. 2020 , 137, 49220		2
211	3D printing of modified soybean hull fiber/polymer composites. 2020 , 254, 123452		15
210	Superiority of Cellulose Non-Solvent Chemical Modification over Solvent-Involving Treatment: Application in Polymer Composite (part II). <i>Materials</i> , 2020 , 13,	3-5	9
209	Review on nano-and microfiller-based polyamide 6 hybrid composite: Effect on mechanical properties and morphology. <i>Polymer Engineering and Science</i> , 2020 , 60, 1717-1759	2-3	9
208	Fatigue monitoring of flax fibre reinforced epoxy composites using integrated fibre-optical FBG sensors. 2020 , 199, 108317		15

207	Preparation and evaluation mechanical, chemical and thermal properties of hybrid jute and coir fibers reinforced bio-composites using poly-lactic acid and poly-caprolactone blends. 2020 , 7, 025103		5
206	Coating Strategy for Surface Modification of Stainless Steel Wire to Improve Interfacial Adhesion of Medical Interventional Catheters. <i>Polymers</i> , 2020 , 12,	4-5	3
205	Pineapple Leaf Fibers. 2020 ,		8
204	Characterization of silane treated Malaysian Yankee Pineapple AC6 leaf fiber (PALF) towards industrial applications. 2020 , 9, 3128-3139		21
203	Studies on composites based on HTV and RTV silicone rubber and carbon nanotubes for sensors and actuators. 2020 , 190, 122221		22
202	Compatibilities and properties of poly lactide/poly (methyl acrylate) grafted chicken feather composite: Effects of graft chain length. 2020 , 137, 48981		4
201	Interfacial Phenomena of Advanced Composite Materials toward Wearable Platforms for Biological and Environmental Monitoring Sensors, Armor, and Soft Robotics. 2020 , 7, 1901851		12
200	Improved interfacial shear strength in polyphenylene sulfide/carbon fiber composites via the carboxylic polyphenylene sulfide sizing agent. 2020 , 190, 108056		31
199	The effect of silane-coated slag mineral on the mechanical and dynamic mechanical properties of unsaturated polyester composite materials. 2020 , 34, 1609-1627		3
198	Improvement of the fatigue behaviour of cellulose/polyolefin composites using photo-chemical fibre surface modification bio-inspired by natural role models. 2020 , 27, 5815-5827		1
197	Recent trends in isolation of cellulose nanocrystals and nanofibrils from various forest wood and nonwood products and their application. 2020 , 41-80		9
196	The effect of UV irradiation on the dielectric properties of bionanocomposites with fillers of biological origin and metal nanoparticles. 2020 , 34, 2050186		3
195	Study of mechanical properties of the polymer matrix composite material (solid wool). 2020 , 33, 2907-2911		2
194	Experimental and simulation study of eigen frequency responses of <i>Luffa cylindrica</i> sponge fibre polymer composite. 2020 , 33, 5561-5565		1
193	Effect of stacking sequence and porosity on creep behavior of glass/epoxy and carbon/epoxy hybrid laminate composites. 2020 , 19, 210-219		18
192	Influence of coupling agent on altering the reinforcing efficiency of natural fibre-incorporated polymers – a review. 2020 , 39, 520-544		26
191	Effects of Methylenediphenyl 4,4'-Diisocyanate and Maleic Anhydride as Coupling Agents on the Properties of Polylactic Acid/Polybutylene Succinate/Wood Flour Biocomposites by Reactive Extrusion. <i>Materials</i> , 2020 , 13,	3-5	6
190	Water Absorption and Hygrothermal Aging Behavior of Wood-Polypropylene Composites. <i>Polymers</i> , 2020 , 12,	4-5	14

189	Natural fiber polymer nanocomposites. 2020 , 279-299		4
188	First report on fabrication and characterization of soybean hull fiber: polymer composite filaments for fused filament fabrication. 2021 , 6, 39-52		7
187	Borassus fruit fiber reinforced composite: A review. 2021 , 45, 723-728		1
186	Cellulose triacetate fiber-reinforced polystyrene composite. 2021 , 34, 707-721		3
185	Carbon fiber coating with MWCNT in the presence of polyethyleneimine of different molecular weights and the effect on the interfacial shear strength of thermoplastic and thermosetting carbon fiber composites. 2021 , 31, 407-417		3
184	Mechanical, morphological, flammability and thermal properties of artificial wood plastic. 2021 , 50, 204-211		0
183	Structure-properties relationships in alkaline treated rice husk reinforced thermoplastic cassava starch biocomposites. 2021 , 167, 130-140		13
182	Organo-montmorillonite modified wood flour/poly (lactic acid) composites via different modification process. <i>Polymer Composites</i> , 2021 , 42, 987-994	3	1
181	Review on the performances, foaming and injection molding simulation of natural fiber composites. <i>Polymer Composites</i> , 2021 , 42, 1305-1324	3	13
180	Design of experience to evaluate the Interfacial compatibility on high tenacity viscose fibers reinforced Polyamide-6 composites. 2021 , 203, 108615		1
179	Environmental benign natural fibre reinforced thermoplastic composites: A review. 2021 , 4, 100082		25
178	Upcycling of Vine Shoots: Production of Fillers for PHBV-Based Biocomposite Applications. 2021 , 29, 404-417		5
177	Sustainable upcycling of brewers' spent grain by thermo-mechanical treatment in twin-screw extruder. 2021 , 285, 124839		9
176	Physical and Thermal Properties of Novel Native Andean Natural Fibers. 2021 , 18, 475-491		4
175	Effects of types of PVC-g-MA on wettability and dynamical behavior of polyvinyl Chloride/Alfa composites. 2021 , 36, 10-15		1
174	Sustainable reinforcers for polymer composites. 2021 , 59-88		1
173	Sustainable Natural Bio-composites and its Applications. 2021 , 433-439		1
172	Plant Fibers-Based Sustainable Biocomposites. 2021 , 513-547		

171	Sustainable Product Packaging Using Vegetables Fibres and Its Composite. <i>Composites Science and Technology</i> , 2021 , 275-302		
170	Polycarbonate Nanocomposites for High Impact Applications. 2021 , 1-25	2	
169	Mechanical and thermal properties of NaOH treated sisal natural fiber reinforced polymer composites: Barium sulphate used as filler. 2021 , 45, 5575-5578		3
168	Characterization and Properties of Pp/Nbrr/Kenaf Composites with Epoxy Resin Compatibilizer. 2021 , 801-809		
167	Development of Compatibilized Polyamide 1010/Coconut Fibers Composites by Reactive Extrusion with Modified Linseed Oil and Multi-functional Petroleum Derived Compatibilizers. <i>Fibers and Polymers</i> , 2021 , 22, 728-744	2	5
166	Green Composites Based on Polypropylene and Recycled Coffee Gunny: Morphology, Thermal and Mechanical Properties. <i>Fibers and Polymers</i> , 2021 , 22, 498-508	2	
165	The Properties of Feather Fiber-Reinforced Polymer Composites: A Review. 1-18		2
164	Effect of phosphate treatment on interfacial properties of poplar fiber/high-density polyethylene composites. 2021 , 30, 263498332110246		
163	Improvement of Fiber-Matrix Adhesion of Vegetable Natural Fibers by Chemical Treatment. <i>Composites Science and Technology</i> , 2021 , 153-177		
162	Chemical Modification on Woven Jute and Nonwoven Wet-Laid Glass Fiber Sheet Reinforced Poly-<i>ε</i>-Caprolactone) Composites. 2021 , 11, 63-81		
161	Dynamic mechanical behaviour of kenaf cellulosic fibre biocomposites: a comprehensive review on chemical treatments. 2021 , 28, 2675-2695		46
160	Thermo-physical and mechanical characteristics of composites based on high-density polyethylene (HDPE) e spent coffee grounds (SCG). 2021 , 29, 2888-2900		6
159	Treatment of Natural Fiber for Application in Concrete Pavement. 2021 , 2021, 1-13		7
158	A Review on Natural Fiber Reinforced Polymer Composite for Bullet Proof and Ballistic Applications. <i>Polymers</i> , 2021 , 13,	4.5	92
157	Water-assisted extrusion and injection moulding of composites with surface-grafted cellulose nanocrystals âAn upscaling study. 2021 , 208, 108590		2
156	Environmental impact and effect of chemical treatment on bio fiber based polymer composites. 2021 , 49, 3418-3418		2
155	Enhanced adhesion between PEEK and stainless-steel mesh in resistance welding of CF/PEEK composites by various surface treatments. 095400832110011		1
154	Influence of alkaline modification on selected properties of banana fiber paperbricks. 2021 , 11, 5793		4

153	By-Products from Food Industry as a Promising Alternative for the Conventional Fillers for Wood-Polymer Composites. <i>Polymers</i> , 2021 , 13,	4.5	3
152	Alfa fibers for Cereplast bio-composites reinforcement: Effects of chemical and biological treatments on the mechanical properties. 096739112110060		
151	Mechanical and thermal properties of chemically treated Kenaf natural fiber reinforced polymer composites. 2021 ,		1
150	Highly Hydrophobic Organosilane-Functionalized Cellulose: A Promising Filler for Thermoplastic Composites. <i>Materials</i> , 2021 , 14,	3.5	3
149	Recent Advances in Multi-Scale Experimental Analysis to Assess the Role of Compatibilizers in Cellulosic Filler-Reinforced Plastic Composites. <i>Journal of Composites Science</i> , 2021 , 5, 138	3	1
148	Influence of Alkali Treatment on the Microstructure and Mechanical Properties of Coir and Abaca Fibers. <i>Materials</i> , 2021 , 14,	3.5	8
147	Mechanics, optics, and thermodynamics of water transport in chemically modified transparent wood composites. 2021 , 208, 108737		2
146	Functionalization as a way to enhance dispersion of carbon nanotubes in matrices: a review. 2021 , 20, 100477		14
145	Elastic Restraint Effect of Concrete Circular Columns with Ultrahigh-Performance Concrete Jackets: An Analytical and Experimental Study. <i>Materials</i> , 2021 , 14,	3.5	1
144	Investigation on Mechanical Properties of Surface-Treated Natural Fibers-Reinforced Polymer Composites. 2021 , 135-162		
143	Preparation and Properties of Straw Fiber/Polylactic Acid Composites. 1036, 122-129		1
142	Investigation of mechanical and interfacial characterization of hybrid sisal/glass fiber reinforced composites. 2021 , 47, 7041-7041		
141	Milkweed floss-reinforced thermoplastics: interfacial adhesion and related mechanical properties. 1-21		1
140	The role of fiber-matrix compatibility in vacuum processed natural fiber/epoxy biocomposites. 2021 , 28, 7845-7857		1
139	Influence of Growth Pattern of Cyanobacterial Species on Biofertilizer Production. 2021 , 371-391		
138	Recent developments in sustainable arrowroot (<i>Maranta arundinacea</i> Linn) starch biopolymers, fibres, biopolymer composites and their potential industrial applications: A review. 2021 , 13, 1191-1219		23
137	Current State and Challenges of Natural Fibre-Reinforced Polymer Composites as Feeder in FDM-Based 3D Printing. <i>Polymers</i> , 2021 , 13,	4.5	8
136	Characterization of Thermo-mechanical and Morphological Properties of Jute Fabric Reinforced Epoxy/AESO Bio-composites. <i>Fibers and Polymers</i> , 1	2	0

135	Fabrication, characterisation and durability performance of kenaf fibre reinforced epoxy, vinyl and polyester-based polymer composites. <i>Biomass Conversion and Biorefinery</i> , 1	2-3	1
134	Super-flexible polyimide nanofiber cross-linked polyimide aerogel membranes for high efficient flexible thermal protection. 2021 , 417, 129341		19
133	Green Chemical Approach to Fabricate Hemp Fiber Composites for Making Sustainable Hydroponic Growth Media.		2
132	A review on applications of natural Fiber-Reinforced composites (NFRCS). 2021 , 50, 1632-1632		4
131	Strain rate effects on thermoplastic composites with mechanical interlocking. <i>Polymer Composites</i> ,	3	1
130	Use of duck feather waste as a reinforcement medium in polymer composites. 2021 , 1, 100014		1
129	Identification of Vegetable Fiber Origin. <i>Composites Science and Technology</i> , 2021 , 351-377		
128	Straw/Nano-Additive Hybrids as Functional Fillers for Natural Rubber Biocomposites. <i>Materials</i> , 2021 , 14,	3-5	3
127	Stochastic analysis of natural fiber-reinforced composites. 2021 ,		
126	Thermal Properties of Natural Fiber Sisal Based Hybrid Composites – A Brief Review. 1-11		20
125	Improvement of fibre and composites for new markets. 2007 , 155-180		5
124	Acacia Wood and Its Surface Treatment for High Strength Bio-composites. 2019 , 23-48		1
123	Literature Review. 2017 , 5-41		3
122	The Structure, Morphology, and Mechanical Properties of Thermoplastic Composites with Lignocellulosic Fiber. 2011 , 263-290		2
121	Effect of Extraction on the Mechanical, Physical and Biological Properties of Pineapple Leaf Fibres. 2020 , 41-54		2
120	Improving the Properties of Pineapple Leaf Fibres by Chemical Treatments. 2020 , 55-71		5
119	Physicochemical Properties of Nanocellulose Extracted from Pineapple Leaf Fibres and Its Composites. 2020 , 167-183		3
118	Acoustic Emission Characterization of Natural Fiber Reinforced Plastic Composite Machining Using a Random Forest Machine Learning Model. 2020 , 142,		10

117	Accelerated Weathering of Recycled Polypropylene Packaging Bag Composites Reinforced with Wheat Straw Fibers. 2016 , 66, 485-494	1
116	Pyrolysis kinetics and mechanical properties of poly(lactic acid)/bamboo particle biocomposites: Effect of particle size distribution. 2020 , 9, 524-533	9
115	Influence of different surface treatment techniques on properties of rice husk incorporated polymer composites. 2019 ,	1
114	Bidirectional Gated Recurrent Deep Learning Neural Networks for Smart Acoustic Emission Sensing of Natural Fiber Reinforced Polymer Composite Machining Process. 2020 , 4, 20190042	2
113	Potential biodegradable matrices and fiber treatment for green composites: A review. 2019 , 6, 119-138	21
112	Wood cellulose fibers reinforced polylactic acid composite: mechanical, thermomechanical characteristics and orientation of fiber. 2020 , 7, 9-23	3
111	Fabrication and Processing of Pineapple Leaf Fiber Reinforced Composites. 125-147	5
110	Study of the Thermal, Rheological, Morphological and Mechanical Properties of Biocomposites Based on Rod-Of Typha/HDPE Made up of Typha Stem and HDPE. 2018 , 08, 340-357	2
109	Modeling the Rheological Characteristics of Flexible High-Yield Pulp-Fibre-Reinforced Bio-Based Nylon 11 Bio-Composite. 2015 , 05, 1-10	1
108	The Effect of Curative Concentration on Thermal and Mechanical Properties of Flexible Epoxy Coated Jute Fabric Reinforced Polyamide 6 Composites. 2012 , 02, 133-138	16
107	Evaluation of the Influence of Fibre Aspect Ratio and Fibre Content on the Rheological Characteristic of High Yield Pulp Fibre Reinforced Polyamide 11 (HYP/PA11) Green Composite. 2015 , 05, 1-8	4
106	Mechanical Properties of Aminosilane-Treated Wood Flour/PVC/Nanoclay Composites. 2012 , 36, 573-578	1
105	Effects of Wood Flour Size on the Physical Properties of Polypropylene/Wood Flour Composites. 2014 , 38, 327-332	4
104	Effects of Alkali Treated Nano-kenaf Fiber in Polypropylene Composite upon Mechanical Property Changes. 2015 , 39, 99-106	2
103	Atomistic Simulations on Structural Characteristics of ZnO Nanowire-Enhanced Graphene/Epoxy Polymer Composites: Implications for Lightweight Structures.	1
102	Characterization of Interfaces in Composites Using Micro-Mechanical Techniques. 2008 , 689-717	
101	Biomimetic Tapered Fibers for Enhanced Composite Toughness. 2013 , 135-140	
100	Film İtifleme Yöntemiyle Tek Bileşimli Polimer Kompozit Malzeme İetimi. 2013 , 20, 54-62	

- 99 Three-Dimensional Structural Analysis by Tomographic Methods. **2013**, 25, 512-516
- 98 Adhesion and Surface Issues in Biocomposites and Bionanocomposites. 169-217
- 97 AFM Approaches to the Study of PDMS-Au and Carbon-Based Surfaces and Interfaces. 127-147
- 96 The Mechanical Properties of the Scaffolds Reinforced by Fibres or Tubes for Tissue Repair. **2017**, 79-111
- 95 Fabrication and Processing of Pineapple Leaf Fiber Reinforced Composites. **2017**, 876-893 o
- 94 Effect of Lithium Chloride on the Fibre Length Distribution, Processing Temperature and the Rheological Properties of High-Yield-Pulp-Fibre-Reinforced Modified Bio-Based Polyamide 11 Composite. **2017**, 06, 48-61
- 93 Introduction to Reinforcing Potential of Various Clay and Monomers Dispersed Wood Nanocomposites. **2018**, 1-36
- 92 A Review of Chemical Treatments on Natural Fibers-Based Hybrid Composites for Engineering Applications. **2018**, 16-37
- 91 Introduction. **2019**, 1-5
- 90 Multifunctional Composite Ecomaterials and Their Impact on Sustainability. **2019**, 3193-3222
- 89 Plant fiber reinforced biocomposites: properties and applications.
- 88 Ammonium hydroxide modification of polylactic acid and polyglycolic acid monofilaments for acupoint catgut embedding therapy. **2020**, 90, 2109-2119
- 87 Assimilation of Mechanical properties of reinforced aluminum, stainless steel wire mesh with glass fiber epoxy hybrid composites for aircraft application. **2021**, 7, 288-303 1
- 86 Flexural Properties of Surface-Modified Sisal Fiber-Reinforced Polyester Resin Composites. 1-14 1
- 85 Plant Fibers-Based Sustainable Biocomposites. **2020**, 1-36
- 84 Coir Fiber-Reinforced Composites. 247-275 1
- 83 Composite Materials Types and Applications. 1-29
- 82 Available Mechanical and Chemical Properties of Natural Fibers. 110-136

81	Influence of Flax Fibre Hybridization on Mechanical Behaviour of Sisal Fibre-Polypropylene Composites Prepared with an Injection Moulding Machine. 2021 , 2021, 1-7		
80	Recent developments of lignocellulosic natural fiber reinforced hybrid thermosetting composites for high-end structural applications: a review. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	2
79	Polyurethane Foam Composites Reinforced with Renewable Fillers for Cryogenic Insulation. <i>Polymers</i> , 2021 , 13,	4.5	3
78	Natural Fiber-Reinforced Polycaprolactone Green and Hybrid Biocomposites for Various Advanced Applications.. <i>Polymers</i> , 2022 , 14,	4.5	25
77	Applications of cellulose materials and their composites. 2022 , 267-284		
76	Hemp as a potential raw material toward a sustainable world: A review.. 2022 , 8, e08753		12
75	Cellulose reinforcement in thermoset composites. 2022 , 127-142		0
74	Effect of alkyl ketene dimer on chemical and thermal properties of polylactic acid (PLA) hybrid composites. 2022 , e00386		2
73	Surface Modification of Vegetal Fibre. 2022 , 206-216		
72	A review on Lantana camara lignocellulose fiber-reinforced polymer composites. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1
71	The effects of surface treatment on creep and dynamic mechanical behavior of flax fiber reinforced composites under hygrothermal aging conditions. 2022 , 203-242		0
70	Water Absorption and Thickness Swelling Characteristic of the Bionanocomposites. <i>Composites Science and Technology</i> , 2022 , 159-180		0
69	Surface modification of natural fibers through esterification treatments. 2022 , 47-65		
68	Study of flame retardancy effect on the thermal degradation of a new green biocomposite and estimation of lower flammability limits of the gaseous emissions. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	2
67	Effects of Alkali-Treatment and Feeding Route of Henequen Fiber on the Heat Deflection Temperature, Mechanical, and Impact Properties of Novel Henequen Fiber/Polyamide 6 Composites. <i>Journal of Composites Science</i> , 2022 , 6, 89	3	4
66	Development of a layered bacterial nanocellulose-PHBV composite for food packaging.. <i>Journal of the Science of Food and Agriculture</i> , 2022 ,	4.3	1
65	Mechanical, viscoelastic and gas transport behaviour of rotationally molded polyethylene composites with hard- and soft-wood natural fibres. <i>Journal of Polymer Research</i> , 2022 , 29, 1	2.7	0
64	Can Plasma Surface Treatment Replace Traditional Wood Modification Methods?. <i>Coatings</i> , 2022 , 12, 487	2.9	0

63	Nano-fibrillenmiçelöz / EPDM Kompozitlerin Mekanik, Reolojik ve Yapılandırma Özellikleri. <i>Artvin Orman Üniversitesi Orman Fakültesi Dergisi</i> ,		
62	Research Progress of Wood-Based Panels Made of Thermoplastics as Wood Adhesives.. <i>Polymers</i> , 2021 , 14,	4.5	2
61	Mechanical, viscoelastic, and flammability properties of polymer composites reinforced with novel Sirisha bark filler. <i>Journal of Industrial Textiles</i> , 152808372210942	1.6	
60	Coconut/coir fibers, their composites and applications. 2022 , 181-208		2
59	Polycarbonate Nanocomposites for High Impact Applications. 2022 , 257-281		1
58	Mechanical, Thermal and Solvent Transport Properties of Glutaraldehyde Cured Natural Rubber/Cotton Fabric Composites. <i>Fibers and Polymers</i> , 2022 , 23, 1068-1076	2	1
57	A review on the limitations of natural fibres and natural fibre composites with emphasis on tensile strength using coir as a case study.. <i>Polymer Bulletin</i> , 2022 , 1-18	2.4	3
56	Wood fibers, their composites and applications. 2022 , 391-436		
55	Recent Progress in Synthesis Methods of Shape-Memory Polymer Nanocomposites. 2022 , 173-212		1
54	Sugar Palm Fibre-Reinforced Polymer Composites: Influence of Chemical Treatments on Its Mechanical Properties. <i>Materials</i> , 2022 , 15, 3852	3.5	2
53	Modification of Fibres and Matrices in Natural Fibre Reinforced Polymer Composites: A Comprehensive Review. <i>Macromolecular Rapid Communications</i> , 2100862	4.8	1
52	Potential of Using Natural and Synthetic Binder in Wood Composites. <i>Forests</i> , 2022 , 13, 844	2.8	
51	Natural Fiber-Reinforced Thermoplastic ENR/PVC Composites as Potential Membrane Technology in Industrial Wastewater Treatment: A Review. <i>Polymers</i> , 2022 , 14, 2432	4.5	1
50	Caracterização mecânica e morfológica de fibras de coco tratadas superficialmente para utilização como reforço em polímeros. <i>Revista Materia</i> , 2022 , 27,	0.8	
49	Study on drilling behavior of polymer nanocomposites modified by carbon nanomaterial with fiber: A case study. 2022 , 87-109		
48	Numerical and Experimental Analysis of Mechanical Properties of Natural-Fiber-Reinforced Hybrid Polymer Composites and the Effect on Matrix Material. <i>Polymers</i> , 2022 , 14, 2612	4.5	2
47	Concrete Reinforced with Sisal Fibers (SSF): Overview of Mechanical and Physical Properties. <i>Crystals</i> , 2022 , 12, 952	2.3	2
46	Design of Mechanical Properties of Poly(butylene-adipate-terephthalate) Reinforced with Zein-TiO ₂ Complex. <i>Material Design and Processing Communications</i> , 2022 , 2022, 1-10	0.9	

45	Research on polyamide based self-lubricating composites: A review. <i>Polymer Composites</i> ,	3	0
44	Nano-Silikañ Jē/Cam Elyaf Takviyeli Epoksi Hibrit Kompozitlerin Mekanik Őzellikleri Őerindeki Etkisi. 399-410		
43	A method for chemical and physical modification of oriented pulp fibre sheets.		0
42	Evaluation of the oligomeric epoxy silane as coupling agent on thermal and mechanical properties of water-based acrylate adhesives.		1
41	Thermal characterization and hygrothermal aging of lignocellulosic Agave Cantala fiber reinforced polylactide composites.		1
40	Effective utilization of natural fibres (coir and jute) for sustainable low-volume rural road construction âA critical review. 2022 , 347, 128606		1
39	Sustainable Fiber-Reinforced Composites: A Review. 2200258		2
38	A rapid synthesis of nanofibrillar cellulose/polystyrene composite via ultrasonic treatment. 2022 , 90, 106180		0
37	Introduction to natural fiber composites. 2022 , 1-13		0
36	Eriyik Biriktirme YŐtemiyle Kenevirle GŐndirilmŐ Polilaktik Asit (PLA) Kompozit Filaman Őetimi.		0
35	FIBRAS NATURALES COMO REFUERZO EN MATERIALES COMPUESTOS DE MATRIZ POLIMŐICA. 2022 , 65-79		0
34	Thermogravimetric analysis of lignocellulosic leaf-based fiber-reinforced thermosets polymer composites: an overview.		1
33	Biocoating from Composite Materials. 2022 , 9-23		0
32	Nondestructive testing and evaluation techniques of defects in fiber-reinforced polymer composites: A review. 9,		0
31	Synergistic effect of hybrid hydroxylated boron nitride and cellulose nanocrystals for enhancing the thermal, mechanical, and hydrophobic properties of composite film.		0
30	Biocomposites with Epoxy Resin Matrix Modified with Ingredients of Natural Origin. 2022 , 15, 7167		0
29	Ultrasonic Welding of Banana/ Bagasse Based Polypropylene Composites. 1-16		0
28	High content of spherical nanosilica filled epoxy resin master batch with low viscosity and superior thermomechanical performance. 2022 , 36, 101355		0

27	Study on Bending Creep Performance of GFRP-Reinforced PVC-Based Wood-Plastic Composite Panels. 2022 , 14, 4789	0
26	Natural fiber reinforced biomass-derived poly(ester-urethaneâ€crylate) composites for sustainable engineering applications. 2022 , 29,	0
25	Mechanical behavior of chemically-treated hemp fibers reinforced composites subjected to moisture absorption. 2023 , 22, 762-775	1
24	Effects of Compatibilization on Mechanical Properties of Pineapple Leaf Powder Filled High Density Polyethylene. 10, 22-28	0
23	Coetaneous Means of Utilization of Green Composite Materials. 2022 , 1-10	0
22	A New Preparation Method for 3D Bio-composite Filament Manufacturing: a Study on the Effects of Ball Milling on the Cohesion/Adhesion of an Agave tequilana Bagasse/PLA Pellet Mixture.	0
21	Water immersion aging of polymer composites: architectural change of reinforcement, mechanical, and morphological analysis.	0
20	Enhancing the Mechanical Performance of Fiber-Reinforced Polymer Composites Using Carbon Nanotubes as an Effective Nano-Phase Reinforcement. 2201935	0
19	Advances towards development of industrially relevant short natural fiber reinforced and hybridized polypropylene composites for various industrial applications: a review. 2023 , 30,	0
18	Valorization of hemp fibers into biocomposites via one-step pectin-based green fabrication process.	1
17	Mechanical and Thermal Properties of Wood-Fiber-Based All-Cellulose Composites and Celluloseâ€Polypropylene Biocomposites. 2023 , 15, 475	0
16	Simultaneously enhancing strength and toughness for green poly (butylene succinate) composites by regulating the dispersed rice husk with the silane coupling agent. 2023 , 30,	0
15	Interface engineering-matrix modification in cellulose fiber composites. 2023 , 95-114	0
14	Investigation on natural plant powder reinforced 3D printed composite absorption properties. 2023 ,	0
13	Physical modification of cellulose fiber surfaces. 2023 , 73-94	0
12	Sustainable jute fiber reinforced polylactic acid composite: Thermochemical and thermomechanical characteristics. 002199832311525	0
11	Lignocellulosic biowaste for composite applications. 2023 , 639-678	0
10	Water hyacinth plant powder particle with moringa filler powder reinforced epoxy polymer composite absorption properties. 2023 ,	0

- 9 Recent advances in interface microscopic characterization of carbon fiber-reinforced polymer composites. 10, ○
- 8 Properties and Applications of Natural Fiber-Reinforced 3D-Printed Polymer Composites. **2023**, 31-52 ○
- 7 Recent advances on improving the mechanical and thermal properties of kenaf fibers/engineering thermoplastic composites using novel coating techniques: a review. 1-27 1
- 6 The Effect of Various Environmental Conditions on the Impact Damage Behaviour of Natural-Fibre-Reinforced Composites (NFRCs)â Critical Review. **2023**, 15, 1229 ○
- 5 A Critical Review on Finite Element Models Towards Physico-Mechanical Properties of Bamboo Fibre/Filler-Reinforced Composite Materials. **2023**, 241-261 ○
- 4 Cold glow discharge nitrogen plasma treatment of banana and sisal fiber for mechanical and surface characterization improvement. **2023**, 20, 37-50 ○
- 3 Characterization of cellulose acetate/low density polyethylene fibre reinforced composite. 1-21 ○
- 2 Investigation of effects of added hemp fiber particles on tensile behavior of acrylonitrile-butadiene-styrene. 002199832311720 ○
- 1 Efficacy of natural fibre reinforced biodegradable composite towards industrial products âAn extensive review. **2023**, ○