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Pretreatments of natural fibers and their application as reinforcing material in polymer compositesA review

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958	Effect of plasma treatment of silk fibroin powder on the properties of silk fibroin powder/polyurethane blend film. <i>Polymer Engineering and Science</i> , 2010 , 50, 1705-1712	2.3	8
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954	Effects of alkali and silane treatment on the mechanical properties of jute-fiber-reinforced recycled polypropylene composites. 2010 , 16, n/a-n/a		8
953	The Effects of Recycled Acrylonitrile Butadiene Rubber Content and Maleic Anhydride Modified Polypropylene (PPMAH) on the Mixing, Tensile Properties, Swelling Percentage and Morphology of Polypropylene/Recycled Acrylonitrile Butadiene Rubber/Rice Husk Powder (PP/NBRr/RHP) Composites. 2010 , 49, 1323-1328		21
952	Developments in recombinant silk and other elastic protein fibers for textile and other applications. 2010 , 235-265		
951	A review of bast fibres and their composites. Part 1 [Fibres as reinforcements. 2010 , 41, 1329-1335		430
950	Greener Surface Treatments of Natural Fibres for the Production of Renewable Composite Materials. 2011 , 155-178		21
949	Polyolefin-Based Natural Fiber Composites. 2011 , 377-398		3
948	Sisal Fiber Based Polymer Composites and Their Applications. 2011 , 589-659		24
947	Man-Made Cellulose Short Fiber Reinforced Oil and Bio-Based Thermoplastics. 2011 , 479-506		5
946	Interfacial Shear Strength in Lignocellulosic Fibers Incorporated Polymeric Composites. 2011 , 241-262		5
945	Green composites: A brief review. 2011 , 42, 579-588		717
944	Mechanical Properties of Silk/Bamboo Hybrid Paper Reinforced PBS Green Composite. 2011 , 57, 1-7		2

943	Role of Polysaccharides on Mechanical and Adhesion Properties of Flax Fibres in Flax/PLA Biocomposite. 2011 , 2011, 1-11	24
942	Cellulose-Based Bio- and Nanocomposites: A Review. 2011 , 2011, 1-35	367
941	Whiskers de fibra de sisal obtidos sob diferentes condições de hidratação: efeito do tempo e da temperatura de extração. 2011 , 21, 280-285	40
940	Bioplastics and Vegetal Fiber Reinforced Bioplastics for Automotive Applications. 2011 , 397-449	13
939	Efeito do tratamento das fibras nas propriedades do biocompósito de amido termoplástico/policaprolactona/sisal. 2011 , 21, 217-222	12
938	Use of lignin as a compatibiliser in hemp/epoxy composites. 2011 , 71, 1804-1810	71
937	Biofibers. 2011 , 323-365	9
936	The dynamic water vapour sorption behaviour of natural fibres and kinetic analysis using the parallel exponential kinetics model. 2011 , 46, 479-489	86
935	DBD Surface Modification of Polymers in Relation to the Spatial Distribution of Reactive Oxygen Species. 2011 , 31, 729-740	7
934	Natural fibers characterization by inverse gas chromatography. 2011 , 84, 110-117	72
933	Modification of natural bamboo fibers for textile applications. 2011 , 12, 95-103	30
932	Improvement in the mechanical properties of polylactide and bamboo fiber biocomposites by fiber surface modification. 2011 , 19, 789-796	52
931	Natural Lignocellulosic Fibers as Engineering Materials: An Overview. 2011 , 42, 2963-2974	202
930	Green composites: An overview. 2011 , 32, 1905-1915	340
929	Polyester biocomposites from recycled natural fibers: Characterization and biodegradability. 2011 , 119, 1211-1219	11
928	Hemp-fiber-reinforced unsaturated polyester composites: Optimization of processing and improvement of interfacial adhesion. 2011 , 121, 862-868	20
927	Mechanical and viscoelastic properties of soybean oil thermoset reinforced with jute fabrics and carded lyocell fiber. 2011 , 122, 2855-2863	25
926	Manufacture of fibrous reinforcements for biocomposites and hemicellulosic oligomers from bamboo. 2011 , 167, 278-287	33

925	Cellulosic/synthetic fibre reinforced polymer hybrid composites: A review. 2011 , 86, 1-18	848
924	Effect of chemical treatments on the mechanical and thermal behaviour of okra (<i>Abelmoschus esculentus</i>) fibres. 2011 , 71, 246-254	148
923	Artichoke (<i>Cynara cardunculus</i> L.) fibres as potential reinforcement of composite structures. 2011 , 71, 1138-1144	110
922	Static bending and impact behaviour of areca fibers composites. 2011 , 32, 2469-2475	57
921	Cellulose Nanofibers Reinforced Bioplastics and Their Applications. 2011 , 452-470	3
920	Characterisation Studies and Impact of Chemical Treatment on Mechanical Properties of Sisal Fiber. 2011 , 18, 527-541	17
919	Impact and flexural properties of flax fabrics and Lyocell fiber-reinforced bio-based thermoset. 2011 , 30, 685-697	51
918	Effect of Benzoylation and Graft Copolymerization on Morphology, Thermal Stability, and Crystallinity of Sisal Fibers. 2011 , 8, 27-38	39
917	Polysaccharide Graft Copolymers [Synthesis, Properties and Applications. 2011 , 35-57	
916	A Review on the Mechanical and Physical Properties of Natural Fiber Composites. 2012 , 229-231, 276-281	9
915	Effect of Alkali Treatment on the Mechanical Properties of Hemp-HDPE Composites: Virgin versus Recycled Polymer Matrix. 2012 ,	1
914	Influence of pre-treatments on the mechanical properties of palmyra palm leaf stalk fiber/polyester composites. 2012 , 31, 1400-1414	55
913	Influence of surface treatment on the wetting process of jute fibres with thermosetting polyester resin. 2012 , 14, 21-27	8
912	Effect of water glass treatment on the mechanical and thermooxidative properties of kenaf and sisal fibres. 2012 , 31, 1261-1269	10
911	Comparison of the suitability of ci bamboo and moso bamboo for manufacturing bamboo-based fiber composites. 2012 ,	4
910	Renewable resources-based PTT [poly(trimethylene terephthalate)]/switchgrass fiber composites: The effect of compatibilization. 2012 , 85, 521-532	6
909	Morphological, mechanical properties and biodegradability of biocomposite thermoplastic starch and polycaprolactone reinforced with sisal fibers. 2012 , 31, 573-581	21
908	The influence of UV-C irradiation on the properties of thermoplastic starch and polycaprolactone biocomposite with sisal bleached fibers. 2012 , 97, 1948-1955	45

907	Chemical treatments on plant-based natural fibre reinforced polymer composites: An overview. 2012 , 43, 2883-2892	865
906	Effect of alkali treatment on mechanical and thermal properties of Kenaf fiber-reinforced thermoplastic polyurethane composite. 2012 , 109, 1435-1443	63
905	Effect of Radiofrequency Plasma Assisted Grafting of Polypropylene on the Properties of Muga Silk Yarn. 2012 , 32, 1293-1306	6
904	Studies on Mechanical Behavior of Surface Modified Sisal Fibre [Epoxy Composites. 2012 , 31, 519-532	30
903	Surface Modification of Sisal Fibers Using Cellulase and Microwave-Assisted Grafting: A Study of Morphology, Crystallinity, and Thermal Stability. 2012 , 61, 1130-1141	4
902	Studies on the characterization of piassava fibers and their epoxy composites. 2012 , 43, 353-362	66
901	Effects of organic peroxide and polymer chain structure on morphology and thermal properties of sisal fibre reinforced polyethylene composites. 2012 , 43, 703-710	36
900	Wheat gluten composites reinforced with coconut fiber. 2012 , 43, 1160-1168	53
899	Natural Fiber Reinforced Composites. 2012 , 52, 259-320	263
898	Short sisal fibre reinforced bacterial cellulose polylactide nanocomposites using hairy sisal fibres as reinforcement. 2012 , 43, 2065-2074	56
897	Hybrid polymeric composites reinforced with sisal fibres and silica microparticles. 2012 , 43, 3436-3444	49
896	Hierarchical composites reinforced with robust short sisal fibre preforms utilising bacterial cellulose as binder. 2012 , 72, 1479-1486	69
895	Mechanical and interfacial properties of wood and bio-based thermoplastic composite. 2012 , 72, 1733-1740	36
894	Thermogravimetric behavior of natural fibers reinforced polymer composites—An overview. 2012 , 557, 17-28	146
893	Thermogravimetric Stability Behavior of Less Common Lignocellulosic Fibers - a Review. 2012 , 1, 189-199	42
892	In situ surface modification of natural fiber by conducting polyaniline. 2012 , 19, 365-376	20
891	Effect of pMDI isocyanate additive on mechanical and thermal properties of Kenaf fibre reinforced thermoplastic polyurethane composites. 2012 , 35, 1151-1155	11
890	Thermal, Mechanical and Morphological Properties of Composites Developed From Glycerol and Dicarboxylic Acids Reinforced with Piassava Fiber. 2012 , 319, 74-82	5

889	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
888	Modification of cellulose/chitin mix fibers with N-isopropylacrylamide and poly(N-isopropylacrylamide) under cold plasma conditions. 2012 , 61, 1767-1777	11
887	Effectiveness of silane monomer on chitosan films and PCL-based tri-layer films. 2012 , 125, 224-232	6
886	Mild synthesis of benzylated bamboo in LiCl/DMSO solution. 2012 , 125, 274-282	9
885	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
884	Effect of ionizing and non-ionizing preirradiations on physico-mechanical properties of coir fiber grafting with methylacrylate. 2012 , 13, 593-599	7
883	Interfacial shear strength of flax fibers in thermoset resins evaluated via tensile tests of UD composites. 2012 , 36, 39-43	19
882	Utilisation of pineapple leaf waste for plastic reinforcement: 1. A novel extraction method for short pineapple leaf fiber. 2012 , 40, 55-61	111
881	Improvement of adhesion properties of polypropylene substrates by methyl methacrylate UV photografting surface treatment. 2012 , 33, 1-10	32
880	Thermo plasticization and characterization of kenaf fiber by benzylation. 2012 , 18, 1107-1111	20
879	Glass fiber/wood flour modified high density polyethylene composites. 2012 , 123, 2084-2089	10
878	Polypropylene melt blown nonwovens for plate-type enthalpy exchanger. 2012 , 20, 4-9	4
877	Measuring adhesion forces between model polysaccharide films and PLA bead to mimic molecular interactions in flax/PLA biocomposite. 2012 , 47, 2175-2181	17
876	Hydroxyethylcellulose surface treatment of natural fibres: the new TwistIn yarn preparation and optimization for composites applicability. 2012 , 47, 2700-2711	35
875	Thermal properties of modified banana trunk fibers. 2012 , 108, 9-17	8
874	Surface Modification of Sisal Fibers (Agave sisalana) Using Bacterial Cellulase and Methyl Methacrylate. 2012 , 20, 142-151	25
873	Effect of fiber treatment on the water absorption and mechanical properties of hemp fiber/polyethylene composites. 2013 , 127, 942-949	36
872	Electrical and mechanical properties of the potassium permanganate treated short sisal fiber reinforced epoxy composite in correlation to the macromolecular structure of the reinforced fiber. 2013 , 128, 1011-1019	21

871	New petroleum absorbers based on cardanol-furfuraldehyde magnetic nanocomposites. <i>Polymer Engineering and Science</i> , 2013 , 53, 44-51	2-3	44
870	Influence of surface treatments on the physicochemical properties of short sisal fibers: Ethylene vinyl acetate composites. <i>Polymer Engineering and Science</i> , 2013 , 53, 59-68	2-3	17
869	Effect of Fiber Surface Treatments on Thermo-Mechanical Behavior of Poly(Lactic Acid)/Phormium Tenax Composites. 2013 , 21, 881-891		18
868	A review of wood thermal pretreatments to improve wood composite properties. 2013 , 47, 1285-1319		129
867	Mechanical and thermal properties of date palm leaf fiber reinforced recycled poly (ethylene terephthalate) composites. 2013 , 52, 841-848		85
866	Preparation of soft wood plastic composites. 2013 , 130, 39-46		4
865	Cellulose-Based Nanocomposites: Processing Techniques. 2013 , 391-410		2
864	Banana fiber/chemically functionalized polypropylene composites with in-situ fiber/matrix interfacial adhesion by Pulsed process. 2013 , 20, 309-329		18
863	Effect of fiber surface treatments on the essential work of fracture of HDPE-continuous henequen fiber-reinforced composites. <i>Polymer Testing</i> , 2013 , 32, 1114-1122	4-5	61
862	Hydrophobic Polymers from Food Waste: Resources and Synthesis. 2013 , 53, 627-694		56
861	Effects of Interfacial Enhancing by Aldehyde-Based Surface Modification of Flax Fibers on their Polymer Composites. 2013 , 11, 108-115		2
860	Biofiber-Reinforced Thermoplastic Composites. 2013 , 239-288		2
859	Surface Treatment and Characterization of Natural Fibers: Effects on the Properties of Biocomposites. 2013 , 133-177		8
858	A Jatropha biomass as renewable materials for biocomposites and its applications. 2013 , 22, 667-685		93
857	Effect of enzymatic pretreatment on the mechanical properties of jute fiber-reinforced polyester composites. 2013 , 47, 1293-1302		51
856	Surface Modification of Sunn Hemp Fibers Using Acrylation, Peroxide and Permanganate Treatments: A Study of Morphology, Thermal Stability and Crystallinity. 2013 , 52, 24-29		8
855	Charging process of polyurethane based composites under electronic irradiation: Effects of cellulose fiber content. 2013 , 103, 132906		3
854	The influence of kenaf fiber as reinforcement on recycled polypropylene/recycled polyamide-6 composites. 2013 , 17, 149-162		8

853	Effects of heat treatment on the properties of bamboo fiber/polypropylene composites. 2013 , 14, 1894-1898	11
852	Cobalt (II) removal from aqueous solutions by natural hemp fibers: Batch and fixed-bed column studies. 2013 , 285, 33-39	74
851	Vegetable fiber pre-tensioning influence on the composites reinforcement. 2013 , 34, 1533-1537	9
850	Developing plant fibre composites for structural applications by optimising composite parameters: a critical review. 2013 , 48, 6083-6107	314
849	Natural fiber reinforced poly(vinyl chloride) composites: A review. 2013 , 32, 330-356	53
848	Fatigue life evaluation of aligned plant fibre composites through S-N curves and constant-life diagrams. 2013 , 74, 139-149	84
847	Potential materials for food packaging from nanoclay/natural fibres filled hybrid composites. 2013 , 46, 391-410	399
846	Effect of ethylene-co-vinyl acetate-glycidylmethacrylate and cellulose microfibers on the thermal, rheological and biodegradation properties of poly(lactic acid) based systems. 2013 , 98, 2742-2751	36
845	On the static and dynamic properties of flax and Cordenka epoxy composites. 2013 , 80, 31-38	58
844	Mechanical behaviour of jute cloth/wool felts hybrid laminates. 2013 , 50, 309-321	54
843	"Smart" Materials Based on Cellulose: A Review of the Preparations, Properties, and Applications. 2013 , 6, 738-781	336
842	Static and dynamic mechanical properties of alkali treated unidirectional Palmyra Palm Leaf Stalk Fiber/jute fiber reinforced hybrid polyester composites. 2013 , 50, 533-542	200
841	Can flax replace E-glass in structural composites? A small wind turbine blade case study. 2013 , 52, 172-181	169
840	Fiber surface treatment and its effect on mechanical and visco-elastic behaviour of banana/epoxy composite. 2013 , 47, 151-159	144
839	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
838	Surface modification of plant fibers using environment friendly methods for their application in polymer composites, textile industry and antimicrobial activities: A review. 2013 , 1, 97-112	169
837	Mechanical Properties of Poly (Lactic Acid)/Hemp Fiber Composites Prepared with a Novel Method. 2013 , 21, 1117-1127	36
836	Argon Versus Helium Dielectric Barrier Discharge for Surface Modification of Polypropylene and Poly(methyl methacrylate) Films. 2013 , 33, 553-568	14

835	Polypropylene/date stone flour composites: Effects of filler contents and EBAGMA compatibilizer on morphology, thermal, and mechanical properties. 2013 , 128, 4314-4321	7
834	Effects of cavity surface temperature on reinforced plastic part surface appearance in rapid heat cycle moulding. 2013 , 44, 509-520	28
833	Acetylated modification of kapok fiber and application for oil absorption. 2013 , 14, 1834-1840	36
832	Effect of surface treatment and Z-axis reinforcement on the interlaminar fracture of jute/epoxy laminated composites. 2013 , 114, 104-114	60
831	Characterization of UHMWPE/wood composites produced via dry-blending and compression molding. 2013 , 34, 510-516	19
830	Reinforcing woodplastic composites with macro- and micro-sized cellulosic fillers: Comparative analysis. 2013 , 32, 1746-1756	7
829	A review of bast fibres and their composites: Part 3 [Modelling. 2013 , 44, 132-139	48
828	Co-Extrusion of Wood Flour/PP Composites with PP-Based Cap Layer Reinforced with Macro-and Micro-Sized Cellulosic Fibres. 2013 , 834-836, 203-210	2
827	Effect of Fiber Treatment on the Fiber Strength of Kenaf Bast Fiber as Reinforcing Material in Polymer Composite. 2013 , 795, 360-366	4
826	Effect of reinforcement on the mechanical and thermal properties of flax/polypropylene interwoven fabric composites. 2013 , 42, 417-433	47
825	Studies on Tensile and Water Absorption Properties on Kenaf (Hibiscus Cannabinus) Fibre Mat/Polyester Composite Using Chemical Treatment. 2013 , 421, 290-295	
824	Recent developments of kenaf fibre reinforced thermoset composites: review. 2013 , 17, s2-s11	12
823	Moisture and Temperature Influence on Biocomposites-to-Timber Bonding. 2013 , 778, 561-568	2
822	Effect of PE-g-MAH as Compatibilizer on Properties of LDPE/NR/WHF Composites. 2013 , 284-287, 87-93	4
821	Preparation and Mechanical Properties of Short Antheraea pernyi Silk Fiber Reinforced Onion Composite. 2013 , 842, 110-113	
820	Effect of alcohol pretreatment in conjunction with atmospheric pressure plasmas on hydrophobizing ramie fiber surfaces. 2013 , 27, 1278-1288	12
819	Open hole flexural and izod impact strength of unidirectional flax yarn reinforced polypropylene composites as a function of laminate lay-up. 2013 , 34, 1912-1920	11
818	Impact and flexural properties of stone-ground wood pulp-reinforced polypropylene composites. 2013 , 34, 842-848	30

817	Dynamic mechanical and thermal properties of enzyme-treated jute/polyester composites. 2013 , 47, 2361-2370	19
816	Effect of low-concentration alkali solution pretreatment on the properties of bamboo particles reinforced poly(lactic acid) composites. 2013 , 130, 1667-1674	30
815	Influence of Banana Fibre Chemical Modification on the Mechanical and Morphological Properties of Woven Banana Fabric/Unsaturated Polyester Resin Composites. 2013 , 4, 61-84	14
814	Agro-Residues: Surface Treatment and Characterization of Date Palm Tree Fiber as Composite Reinforcement. 2014 , 2014, 1-8	11
813	Effect of Impregnated Inorganic Nanoparticles on the Properties of the Kenaf Bast Fibers. 2014 , 2, 242-254	19
812	Flexural Mechanical Characterization of Polyester Composites Reinforced with Continuous Banana Fibers. 2014 , 433-440	
811	Applications of Lightweight Composites in Automotive Industries. 2014 , 143-158	11
810	Optimising processing conditions of flax fabric reinforced Acrodur biocomposites. 2014 , 48, 3281-3292	11
809	Continuous unidirectional palmyra palm leaf stalk fiber/glass/polyester composites: static and dynamic mechanical properties. 2014 , 33, 836-850	16
808	Effect of ecological treatment on adhesion of woven flax fibers in epoxy matrix. 2014 ,	
807	Influence of alkali treatment and layering pattern on the tensile and flexural properties of Palmyra palm leaf stalk fiber (PPLSF)/jute fiber polyester hybrid composites. 2014 , 21, 3-12	16
806	Investigation of Fiber Surface Treatment on Mechanical, Acoustical and Thermal Properties of Betelnut Fiber Polyester Composites. 2014 , 97, 545-554	53
805	Biopulping by Ceriporiopsis subvermispora towards Pineapple Leaf Fiber (PALF) Paper Properties. 2014 , 1043, 180-183	3
804	Effect of Natural Fiber Reinforced Polypropylene Composite Using Resin Impregnation. 2014 , 05, 1338-1343	2
803	Properties of Alpinia galanga Agro-Waste-HDPE Composites with Addition of MA-g-PE and Eco Degradant. 2014 , 534, 75-80	
802	Effect of Fiber Content on Abrasive Wear Behavior of Date Palm Leaf Reinforced Polyvinyl Pyrrolidone Composite. 2014 , 2014, 1-10	19
801	Evaluation of reaction factors for deposition of silica (SiO ₂) nanoparticles on cellulose fibers. 2014 , 114, 424-431	50
800	Effect of particle size, coupling agent and DDGS additions on Paulownia wood polypropylene composites. 2014 , 33, 1279-1293	9

799	Determination of the optimal flax fibre preparation for use in unidirectional flax/Epoxy composites. 2014 , 33, 493-502	57
798	Simultaneous optimization of the mechanical properties of postconsumer natural fiber/plastic composites: Phase compatibilization and quality/cost ratio. 2014 , 35, 730-746	16
797	Typical Brazilian Lignocellulosic Natural Fibers as Reinforcement of Thermosetting and Thermoplastics Matrices. 2014 , 103-124	
796	Hybrid Vegetable/Glass Fiber Composites. 2014 , 63-81	1
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794	Improvement of Mechanical Properties in Bamboo Maleic Anhydride Grafted Polypropylene/Polypropylene Composite Enhanced with Resin Impregnation Method. 2014 , 1051, 250-255	
793	Investigation of Tensile Behavior of Sisal and Coir Reinforced Hybrid Composites Using Vinyl Ester Resin. 2014 , 591, 146-149	3
792	Fibre-reinforced hydrogels with high optical transparency. 2014 , 59, 264-296	16
791	In Situ Deposition of Conducting Polymer onto Pineapple Leaf Fiber. 2014 , 1043, 189-192	
790	A Review on Potentiality of Nano Filler/Natural Fiber Filled Polymer Hybrid Composites. 2014 , 6, 2247-2273	414
789	Opportunities for silk textiles in reinforced biocomposites: Studying through-thickness compaction behaviour. 2014 , 62, 1-10	37
788	Hot compaction and mechanical properties of ramie fabric/epoxy composite fabricated using vacuum assisted resin infusion molding. 2014 , 56, 852-861	47
787	Surface and thermal characterization of natural fibres treated with enzymes. 2014 , 53, 365-373	106
786	Mechanical, thermal and morphological properties of durian skin fibre reinforced PLA biocomposites. 2014 , 59, 279-286	88
785	Characteristics of starch-based biodegradable composites reinforced with date palm and flax fibers. 2014 , 101, 11-9	139
784	A novel process to improve yield and mechanical performance of bamboo fiber reinforced composite via mechanical treatments. 2014 , 56, 48-53	112
783	The effect of carbon fibers, glass fibers and nanoclay on wood flour-polypropylene composite properties. 2014 , 72, 73-79	34
782	Enhancement of mechanical properties of natural fiber composites via carbon nanotube addition. 2014 , 49, 3225-3233	41

781	Characterization of a new natural fiber from <i>Arundo donax</i> L. as potential reinforcement of polymer composites. 2014 , 106, 77-83		200
780	Performances of ramie fiber pretreated with dicationic imidazolium ionic liquid. 2014 , 15, 226-233		15
779	Production and modification of nanofibrillated cellulose using various mechanical processes: a review. 2014 , 99, 649-65		821
778	Green composites: A review of material attributes and complementary applications. 2014 , 56, 280-289		362
777	Properties evolution of flax/epoxy composites under fatigue loading. 2014 , 63, 36-45		66
776	Preparation and characterization of modified cellulose nanofibers reinforced polylactic acid nanocomposite. <i>Polymer Testing</i> , 2014 , 35, 73-79	4-5	165
775	Improvement in the adhesion of bamboo fiber reinforced polylactide composites. 2014 , 48, 2567-2577		19
774	Polylactic acid (PLA) biocomposites reinforced with coir fibres: Evaluation of mechanical performance and multifunctional properties. 2014 , 63, 76-84		200
773	Study of the interface in natural fibres reinforced poly(lactic acid) biocomposites modified by optimized organosilane treatments. 2014 , 52, 481-494		99
772	Fibre surface modifications through different treatments with the help of design expert software for natural fibre-based biocomposites. 2014 , 48, 1887-1899		13
771	Toughened wheat gluten and treated coconut fiber composite. 2014 , 58, 90-97		16
770	Lightweight Materials from Biofibers and Biopolymers. 2014 , 1-20		2
769	Characterization of chemically and enzymatically treated hemp fibres using atomic force microscopy and spectroscopy. 2014 , 314, 1019-1025		39
768	Effect of Chemical Modifications of Fibers on Tensile Properties of Epoxy Hybrid Composites. 2014 , 19, 391-403		18
767	All-straw-fiber composites: Benzylated straw as matrix and additional straw fiber reinforced composites. 2014 , 35, 419-426		20
766	Curaua Fibers/Epoxy Laminates with Improved Mechanical Properties: Effects of Fiber Treatment Conditions. 2014 , 344, 63-70		7
765	A fast and convenient cellulose hydrogel-coated colander for high-efficiency oil/water separation. 2014 , 4, 32544-32548		36
764	Manufacturing methods for natural fibre composites. 2014 , 176-215		16

763	Influence of maleic anhydride-grafted polyethylene compatibiliser on the tensile, oxygen barrier and thermal properties of rice husk and nanoclay-filled low-density polyethylene composite films. 2014 , 30, 120-140	25
762	Evaluation of surface treatment and fabrication methods for jute fiber/epoxy laminar composites. 2014 , 35, 310-317	46
761	Mechanical properties of soy protein based green composites reinforced with surface modified cornhusk fiber. 2014 , 60, 144-150	58
760	Composites with hemp reinforcement and bio-based epoxy matrix. 2014 , 67, 220-226	62
759	Mechanical and thermal properties of recycled poly(ethylene terephthalate) reinforced newspaper fiber composites. 2014 , 15, 1531-1538	20
758	Salt-free dyeing of ramie fabric with an amino-terminated hyperbranched polymer. 2014 , 21, 3725-3736	22
757	Bio-composites: Development and mechanical characterization of banana/sisal fibre reinforced poly lactic acid (PLA) hybrid composites. 2014 , 15, 847-854	72
756	High performance of bamboo-based fiber composites from long bamboo fiber bundles and phenolic resins. 2014 , 131, n/a-n/a	32
755	The effect of hybridization on mechanical properties of woven kenaf fiber reinforced polyoxymethylene composite. 2014 , 35, 1900-1910	38
754	Influence of laminate lay-up, hole size and coupling agent on the open hole tensile properties of flax yarn reinforced polypropylene laminates. 2014 , 57, 80-85	24
753	Adhesion and Surface Issues in Biocomposites and Bionanocomposites. 2014 , 2, 173-225	7
752	Damage to flax fibre slivers under monotonic uniaxial tensile loading. 2014 , 64, 107-114	13
751	Polymer reinforced by flax fibres as a viscoelastoplastic material. 2014 , 112, 100-112	66
750	Rheological behaviour of nanocellulose reinforced unsaturated polyester nanocomposites. 2014 , 69, 274-81	64
749	Isolation and characterization of cellulose nanofibrils from Helicteres isora plant. 2014 , 59, 27-34	214
748	Mechanical properties of highly aligned short pineapple leaf fiber reinforced Nitrile rubber composite: Effect of fiber content and Bonding Agent. <i>Polymer Testing</i> , 2014 , 35, 20-27	4.5 59
747	Biopolymers and Biocomposites. 2014 , 1-11	
746	Study of nanoscale structural changes in isolated bamboo constituents using multiscale instrumental analyses. 2014 , 131, n/a-n/a	24

745	Enhancing the Wood Glue Bond Using Cellulose Modified Epoxy. 2015 , 1122, 145-148	
744	Surface modification of natural fibers by plasma for improving strength properties of paper sheets. 2015 , 69, 1001-1008	6
743	Natural Fibers and Their Characterization. 2015 , 35-64	2
742	Testing and Characterization of Natural Fiber-Reinforced Composites. 2015 , 175-198	
741	Surface Modification of Natural Fibers for Reinforcement in Polymeric Composites. 2015 , 224-237	7
740	Experimental investigation of the influence of the compounding process and the composite composition on the mechanical properties of a short flax fiber reinforced polypropylene composite. 2015 , 36, 2282-2290	6
739	Fabrication of long glass fiber reinforced polyacetal composites: Mechanical performance, microstructures, and isothermal crystallization kinetics. 2015 , 36, 1826-1839	21
738	Development of coir pith based hybrid composite panels with enhanced water resistant behavior. 2015 , 34, 1481-1487	3
737	Foldable Conductive Cellulose Fiber Networks Modified by Graphene Nanoplatelet-Bio-Based Composites. 2015 , 1, 1500224	46
736	Moisture uptake and resulting mechanical response of bio-based composites. II. composites. 2015 , 36, 1510-1519	13
735	Physicochemical, Mechanical and Morphologic Characterization of Purple Banana Fibers. 2015 , 18, 205-209	18
734	A Review on Pineapple Leaves Fibre and Its Composites. 2015 , 2015, 1-16	252
733	Optimizing the Performance of Natural Fiber Reinforced Plastics Composites: Influence of Combined Optimization Paths on Microstructure and Mechanical Properties. 2015 , 23, 535-544	2
732	Characterization of New Natural Cellulosic Fiber from Acacia leucophloea Bark. 2015 , 20, 367-376	112
731	Research into the specifications of woven composites obtained from raffia fibers pretreated using the ecological method. 2015 , 85, 302-315	10
730	Cellulosic Nanocomposites from Natural Fibers for Medical Applications: A Review. 2015 , 475-511	11
729	Characterization of a novel natural cellulose fabric from Manicaria saccifera palm as possible reinforcement of composite materials. 2015 , 74, 66-73	74
728	Effect of interface modification on mechanical and thermal properties of high-density polyethylene/silvergrass composites. 2015 , 28, 128-141	1

727	A simple and effective method to ameliorate the interfacial properties of cellulosic fibre based bio-composites using poly (ethylene glycol) based amphiphiles. 2015 , 64, 70-78	7
726	Thermal and mechanical properties of biocomposites based on a cashew nut shell liquid matrix reinforced with bamboo fibers. 2015 , 49, 2203-2215	27
725	Fabrication, material properties, and application of bamboo scrimber. 2015 , 49, 83-98	85
724	References. 2015 , 191-213	
723	Hemp fiber composites for the design of a Naca cowling for ultra-light aviation. 2015 , 81, 53-63	21
722	Bio-inspired fiber composites. 2015 , 33-51	1
721	Review on hygroscopic aging of cellulose fibres and their biocomposites. 2015 , 131, 337-54	102
720	Dielectric analysis of the interfacial polarization of alkali treated woven flax fibers reinforced epoxy composites. 2015 , 76, 67-72	14
719	Synthesis, characterization and in vitro cytotoxicity analysis of a novel cellulose based drug carrier for the controlled delivery of 5-fluorouracil, an anticancer drug. 2015 , 355, 64-73	31
718	A review of the recent developments in biocomposites based on natural fibres and their application perspectives. 2015 , 77, 1-25	672
717	Cellulose Acetate Nanocomposites with Antimicrobial Properties. 2015 , 367-398	2
716	Fabricating Highly Reactive Bio-based Compatibilizers of Epoxidized Citric Acid To Improve the Flexural Properties of Polylactide/Microcrystalline Cellulose Blends. 2015 , 54, 3806-3812	19
715	Solvent-free acetylation of lignocellulosic fibers at room temperature: Effect on fiber structure and surface properties. 2015 , 132, n/a-n/a	12
714	Dyeing performances of ramie fabrics modified with an amino-terminated aliphatic hyperbranched polymer. 2015 , 22, 1401-1414	14
713	Optical and electrical investigation of the electrospun poly(N-vinyl carbazole) fibers. 2015 , 16, 86-94	2
712	Fibre-matrix adhesion and properties evaluation of sisal polymer composite. 2015 , 16, 146-152	39
711	The thermo-oxidative stability and flammability of wood/polypropylene composites. 2015 , 119, 1955-1962	23
710	Flexural Mechanical Characterization of Epoxy Composites Reinforced with Continuous Banana Fibers. 2015 , 153-158	

709	Effects of amino silicone oil modification on properties of ramie fiber and ramie fiber/polypropylene composites. 2015 , 77, 142-148		35
708	Sustainable wood-plastic composites from bio-based polyamide 11 and chemically modified beech fibers. 2015 , 6, 6-14		52
707	Structural behaviour of masonry panels strengthened with an innovative hemp fibre composite grid. 2015 , 100, 111-121		61
706	Mechanical behavior of plaster reinforced with abaca fibers. 2015 , 99, 184-191		42
705	Modification of the cellulosic component of hemp fibers using sulfonic acid derivatives: Surface and thermal characterization. 2015 , 134, 230-9		23
704	Improved multiple cracking and autogenous healing in cementitious materials by means of chemically-treated natural fibres. 2015 , 139, 87-99		47
703	Enzymatically degradable and flexible bio-nanocomposites derived from PHBV and PBAT blend: assessing thermal, morphological, mechanical, and biodegradation properties. 2015 , 293, 2921-2930		18
702	Tensile Behavior of Sisal/Hemp Reinforced High Density Polyethylene Hybrid Composite. <i>Materials Today: Proceedings</i> , 2015 , 2, 3140-3148	1.4	19
701	Effect of Chemical Treatment on Mechanical Properties of Banana and Abaca Fiber Reinforced Composites. 2015 , 813-814, 25-29		1
700	Influence of alkali treatment on internal microstructure and tensile properties of abaca fibers. 2015 , 65, 27-35		126
699	Review on the physicochemical treatments of rice husk for production of advanced materials. 2015 , 264, 899-935		324
698	Photocontrol of Mechanical Properties of Pulp Fibers and Fiber-to-Fiber Bonds via Self-Assembled Polysaccharide Derivatives. 2015 , 300, 277-282		8
697	Adhesion analysis of non-woven natural fibres in unsaturated polyester resin. 2015 , 118, 1067-1078		5
696	Mechanical properties of kenaf fibre reinforced polymer composite: A review. 2015 , 76, 87-96		352
695	Tensile strength of handsheets from recovered fibers treated with N-Methylol melamine and 1,3-dimethylol-4,5-dihydroxyethyleneurea. 2015 , 132, n/a-n/a		9
694	The effect of alkaline treatment on mechanical properties of kenaf fibers and their epoxy composites. 2015 , 68, 14-21		301
693	Dynamic mechanical and thermo-gravimetric analysis of Sansevieria cylindrica/polyester composite: Effect of fiber length, fiber loading and chemical treatment. 2015 , 69, 76-86		85
692	A Review: Natural Fiber Composites Selection in View of Mechanical, Light Weight, and Economic Properties. 2015 , 300, 10-24		310

691	Removal of cadmium(II) from aqueous solutions by chemically modified maize straw. 2015 , 115, 177-85	72
690	Effect of Fiber Treatment Condition and Coupling Agent on the Mechanical and Thermal Properties in Highly Filled Composites of Sugarcane Bagasse Fiber/PP. 2016 , 19, 746-751	25
689	A Review - Future Aspect of Natural Fiber Reinforced Composite. 2016 , 7, 43-59	72
688	Acoustic Absorption of Natural Fiber Composites. 2016 , 2016, 1-11	61
687	Effect of the compatibilizer content on the quasi-static and low velocity impact responses of glass woven fabric/polypropylene composites. 2016 , 37, 2452-2459	12
686	Biocompatibility and biomechanical characteristics of loofah based scaffolds combined with hydroxyapatite, cellulose, poly-l-lactic acid with chondrocyte-like cells. 2016 , 69, 437-46	23
685	Effect of surface modification of rice straw on mechanical and flow properties of TPU-based green composites. 2016 , 37, 1596-1602	19
684	Manipulation of mechanical properties of short pineapple leaf fiber reinforced natural rubber composites through variations in cross-link density and carbon black loading. <i>Polymer Testing</i> , 2016 , 54, 84-89	4.5 28
683	Studies of Polyethylene-based Biocomposites, Bionanocomposites and Other Non-Biobased Nanocomposites. 2016 , 315-344	
682	Nanoclay Based Natural Fibre Reinforced Polymer Composites: Mechanical and Thermal Properties. 2016 , 81-101	1
681	Enhancing mechanical properties of clay aerogel composites: An overview. 2016 , 98, 314-329	43
680	Extraction and characterization of new cellulosic fibers from Indian mallow stem: An exploratory investigation. 2016 , 21, 504-512	44
679	Composite materials with bast fibres: Structural, technical, and environmental properties. 2016 , 83, 1-23	74
678	Spectroscopy analyses of hybrid unsaturated polyester composite reinforced by Alfa, wool, and thermo-binder fibres. 2016 , 58, 255-264	11
677	A review of recent research on the use of cellulosic fibres, their fibre fabric reinforced cementitious, geo-polymer and polymer composites in civil engineering. 2016 , 92, 94-132	304
676	Effect of alkali treatment on interfacial bonding in abaca fiber-reinforced composites. 2016 , 90, 589-597	198
675	All-cellulose composites with ultra-high mechanical properties prepared through using straw cellulose fiber. 2016 , 6, 93428-93435	10
674	The effect of surface treatment on the performance of flax/biodegradable composites. 2016 , 106, 88-98	44

673	Effect of surface treatments of jute fibers on the microstructural and mechanical responses of poly(lactic acid)/jute fiber biocomposites. 2016 , 6, 73373-73382	38
672	Effect of Antimicrobial Agents on Modification of Coir. 2016 , 24, 280-286	3
671	Rheology and Processing of Nanocellulose, Nanochitin, and Nanostarch/Polymer Bionanocomposites. 2016 , 453-490	
670	Morphology and mechanical properties of sisal fiber and nano cellulose green rubber composite: a comparative study. 2016 , 20, 378-400	9
669	Biodegradable polyester-based eco-composites containing hemp fibers modified with macrocyclic oligomers. 2016 ,	
668	Free Vibration Characteristics of Banana/Sisal Natural Fibers Reinforced Hybrid Polymer Composite Beam. 2016 , 144, 1055-1059	57
667	Re-Emerging Field of Lignocellulosic Fiber IPolymer Composites and Ionizing Radiation Technology in their Formulation. 2016 , 56, 702-736	95
666	Interface and bonding mechanisms of plant fibre composites: An overview. 2016 , 101, 31-45	208
665	Guadua angustifolia bamboo fibers as reinforcement of polymeric matrices: An exploratory study. 2016 , 116, 93-97	13
664	Development of fire resistant wool polymer composites: Mechanical performance and fire simulation with design perspectives. 2016 , 106, 391-403	48
663	Rotomolded polyethylene-agave fiber composites: Effect of fiber surface treatment on the mechanical properties. <i>Polymer Engineering and Science</i> , 2016 , 56, 856-865	2.3 28
662	Number of processing cycle effect on the properties of the composites based on alfa fiber. 2016 , 29, 1176-1193	7
661	Influence of fiber surface treatment on the physical and mechanical properties of wood flour-reinforced polypropylene bionanocomposites. 2016 , 29, 979-992	7
660	Preparation and properties of L-lactide-grafted sisal fiberreinforced poly(lactic acid) composites. 2016 , 37, 802-809	13
659	A novel approach to utilize waste carbon as reinforcement in thermoset composite. 2016 , 230, 263-273	4
658	Effect of chemical modification of wood flour on long-term hygroscopic behavior of polypropylene composites. 2016 , 29, 577-588	2
657	Modification of flax fibres by radiation induced emulsion graft copolymerization of glycidyl methacrylate. 2016 , 122, 35-42	19
656	Critical materials and processing challenges affecting the interface and functional performance of wood polymer composites (WPCs). 2016 , 171, 290-302	40

655	Influence of Different Treated Cellulose Fibers on the Mechanical and Thermal Properties of Poly(lactic acid). 2016 , 4, 1619-1629	51
654	Wear behavior of Palmyra palm leaf stalk fiber (PPLSF) reinforced polyester composites. 2016 , 23, 89-103	7
653	Modification of flax fiber surface and its compatibilization in polylactic acid/flax composites. 2016 , 25, 25-35	40
652	Polyhydroxyalkanoates and Their Nanobiocomposites With Cellulose Nanocrystals. 2016 , 261-285	8
651	Fibre properties and crashworthiness parameters of natural fibre-reinforced composite structure: A literature review. 2016 , 148, 59-73	132
650	High pressure-assisted magnesium carbonate impregnated natural fiber-reinforced composites. 2016 , 86, 16-22	23
649	Development of abamectin loaded lignocellulosic matrices for the controlled release of nematicide for crop protection. 2016 , 23, 673-687	7
648	Properties of low-density polyethylene/natural rubber/water hyacinth fiber composites: the effect of alkaline treatment. 2016 , 73, 539-557	17
647	Effect of enzyme and plasma treatments of bark cloth from <i>Ficus natalensis</i> : morphology and thermal behavior. 2016 , 107, 663-671	2
646	Kenaf (<i>Hibiscus cannabinus</i> L.) fibre based bio-materials: A review on processing and properties. 2016 , 78-79, 1-92	158
645	Effect of surface treatment of jute fibers on the interfacial adhesion in poly(lactic acid)/jute fiber biocomposites. 2016 , 17, 266-274	43
644	The effects of wettability, shear strength, and Weibull characteristics of fiber-reinforced poly(lactic acid) composites. 2016 , 36, 489-497	15
643	Effect of wool fibers on thermal and dielectric properties of Alfa fibers reinforced polyester composite. 2016 , 170, 312-318	13
642	Expansion of environmental impact assessment for eco-efficiency evaluation of biocomposites for industrial application. 2016 , 113, 144-152	43
641	A Review on Roselle Fiber and Its Composites. 2016 , 13, 10-41	47
640	Multi-perspective application selection: a method to identify sustainable applications for new materials using the example of cellulose nanofiber reinforced composites. 2016 , 112, 1199-1210	20
639	Extraction, modification, and characterization of natural ligno-cellulosic fiber strands from napier grass. 2016 , 21, 18-28	41
638	A new eco-friendly chemical treatment of natural fibres: Effect of sodium bicarbonate on properties of sisal fibre and its epoxy composites. 2016 , 85, 150-160	171

637	A brief review on the chemical modifications of lignocellulosic fibers for durable engineering composites. 2016 , 73, 587-620	50
636	Asymmetric microcellular composites: Mechanical properties and modulus prediction. 2016 , 52, 365-398	7
635	Surface grafting of flax fibres with hydrous zirconia nanoparticles and the effects on the tensile and bonding properties. 2016 , 50, 627-635	14
634	Water uptake, chemical characterization, and tensile behavior of modified banana/plantain fiber and their polyester composites. 2016 , 37, 2960-2973	8
633	Effect of Alkalization on Mechanical and Moisture Absorption Properties of Azadirachta indica (Neem Tree) Fiber Reinforced Green Composites. 2017 , 70, 187-199	39
632	Upgrading brewer's spent grain as functional filler in polypropylene matrix. 2017 , 38, 40-47	4
631	Effect of agave fiber surface treatment on the properties of polyethylene composites produced by dry-blending and compression molding. 2017 , 38, 96-104	21
630	Banana/sisal fibers reinforced poly(lactic acid) hybrid biocomposites; influence of chemical modification of BSF towards thermal properties. 2017 , 38, 1053-1062	21
629	Effect of fiber chemical treatment of nonwoven coconut fiber/epoxy composites adhesion obtained by RTM process. 2017 , 38, 2518-2527	8
628	A review on research and development of green composites from plant protein-based polymers. 2017 , 38, 1504-1518	30
627	Isolation and surface modification of cellulose from underutilized Luffa cylindrica sponge: A potential feed stock for local polymer industry in AfricaPeer review under responsibility of University of Bahrain.View all notes. 2017 , 24, 39-45	4
626	Salt-fog spray aging of jute-basalt reinforced hybrid structures: Flexural and low velocity impact response. 2017 , 116, 99-112	44
625	Novel modified nanocellulose applicable as reinforcement in high-performance nanocomposites. 2017 , 164, 64-74	21
624	On thermal characteristics and microstructure of a new insulation material extracted from date palm trees surface fibers. 2017 , 138, 276-284	74
623	Surface Modification of Nanocellulose. 2017 , 101-122	13
622	Mixer design optimization with fractured surface topography of mechanical properties of polymer biocomposites. 2017 , 74, 272-280	6
621	Influence of fiber surface treatments on physico-mechanical behaviour of jute/epoxy composites impregnated with aluminium oxide filler. 2017 , 51, 3909-3922	30
620	Plant fibre-reinforced polymers: where do we stand in terms of tensile properties?. 2017 , 62, 441-464	47

619	Hemp fiber reinforced polypropylene composites: The effects of material treatments. 2017 , 114, 15-22	131
618	Influence of fiber orientation on the tribological properties of unidirectional carbon fiber reinforced epoxy composites corroded by 10 wt% sulfuric acid solution. 2017 , 32, 801-809	6
617	Extraction of nanocellulose and in-situ casting of ZnO/cellulose nanocomposite with enhanced photocatalytic and antibacterial activity. 2017 , 164, 301-308	148
616	Composites of Plasticized Polyamide 66 and Chemically Modified Vegetal Fibers. 2017 , 56, 1619-1631	3
615	Mechanical and thermal behavior of styrene butadiene rubber composites reinforced with silane-treated peanut shell powder. 2017 , 74, 3977-3994	16
614	Ionic liquids assisted processing of renewable resources for the fabrication of biodegradable composite materials. 2017 , 19, 2051-2075	92
613	Mechanical behavior of natural fiber-based isogrid lattice cylinder. 2017 , 176, 117-123	34
612	Cytotoxicity studies of membranes made with cellulose nanofibers from fique macrofibers. 2017 , 52, 2581-2590	10
611	Fabrication and enhanced mechanical properties of porous PLA/PEG copolymer reinforced with bacterial cellulose nanofibers for soft tissue engineering applications. <i>Polymer Testing</i> , 2017 , 61, 114-134 ⁵	19
610	Ionic liquids pretreatment for fabrication of agro-residue/thermoplastic starch based composites: A comparative study with other pretreatment technologies. 2017 , 161, 257-266	22
609	Coconut shell powder reinforced thermoplastic polyurethane/natural rubber blend-composites: effect of silane coupling agents on the mechanical and thermal properties of the composites. 2017 , 52, 6712-6725	38
608	Utilization of Torrefied Coffee Grounds as Reinforcing Agent To Produce High-Quality Biodegradable PBAT Composites for Food Packaging Applications. 2017 , 5, 1906-1916	77
607	Effect of Multi-Walled Carbon Nanotubes on Viscoelastic Properties of PP/Reed Flour Composites. 2017 , 25, 1313-1320	5
606	Radiation-induced modifications in natural fibres and their biocomposites: Opportunities for controlled physico-chemical modification pathways?. 2017 , 109, 199-213	30
605	Effect of ionic liquids pretreatment on thermal degradation kinetics of agro-industrial waste reinforced thermoplastic starch composites. 2017 , 247, 164-170	19
604	Effect of surface modification on morphological, mechanical and thermal conductivity of hemp fiber: Characterization of the interface of hemp Polyurethane composite. 2017 , 10, 550-559	48
603	Bio-based coatings for reducing water sorption in natural fibre reinforced composites. 2017 , 7, 13335	23
602	Effect of chemical solvents on the technological characteristics of hemp fibre/polypropylene composites. 2017 , 46, 341-345	5

601	3D Printing of Photocurable Cellulose Nanocrystal Composite for Fabrication of Complex Architectures via Stereolithography. 2017 , 9, 34314-34324		150
600	Natural Plant Fiber Composites-Constituent Properties and Challenges in Numerical Modeling and Simulations. 2017 , 09, 1750045		8
599	Functional Polymer Surfaces via Post-polymerization Modification. 2017 , 193-224		
598	Pineapple Leaf Fiber: A High Potential Reinforcement for Green Rubber and Plastic Composites. 2017 , 289-308		
597	In situ reactive interfacial compatibilization of polylactide/sisal fiber biocomposites via melt-blending with an epoxy-functionalized terpolymer elastomer. 2017 , 7, 32399-32412		21
596	Sisal (Agave sisalana) fibre and its polymer-based composites: A review on current developments. 2017 , 36, 1759-1780		56
595	The effect of alkali treatment under various conditions on physical properties of kenaf fiber. 2017 , 914, 012030		35
594	A Study on Dynamic Mechanical Analysis of Natural Nano Banana Particle Filled Polymer Matrix Composites. <i>Materials Today: Proceedings</i> , 2017 , 4, 9081-9086	1.4	15
593	Dry etching plasma applied to fique fibers: influence on their mechanical properties and surface appearance. 2017 , 200, 141-147		5
592	Long natural fibre composites. 2017 , 141-177		6
591	Hybrid composites using natural polymer blends and carbon nanostructures. 2017 , 57-74		
590	Epoxy Fiber of Peach Palm Trees Composites: The Effect of Composition and Fiber Modification on Mechanical and Dynamic Mechanical Properties. 2017 , 25, 913-924		20
589	Nanocrystalline cellulose extracted from pine wood and corncob. 2017 , 157, 1577-1585		81
588	Aging resistance of bio-epoxy jute-basalt hybrid composites as novel multilayer structures for cladding. 2017 , 160, 1319-1328		57
587	Performance characteristics of polyethylene/old corrugated container composites reinforced with carbon nanotubes. 2017 , 51, 2665-2673		2
586	Effect of electron beam radiation processing on mechanical and thermal properties of fully biodegradable crops straw/poly (vinyl alcohol) biocomposites. 2017 , 130, 202-207		8
585	Investigation on the synergistic effect of γ -aminopropyltriethoxysilane and polyethylene-grafted glycidylmethacrylate on the properties of high-density polyethylene/poplar wood flour composites and their synergistic mechanism. 2017 , 51, 955-964		
584	Green Biodegradable Composites Based on Natural Fibers. 2017 , 283-301		0

583	Chitin- and Shell-Based Benzoxazines. 2017 , 499-521	2
582	Nonwood bio-based materials. 2017 , 97-186	9
581	Biomass nanofibrillar cellulose in nanocomposites. 2017 , 305-326	0
580	Polypropylene/Plant-Based Fiber Biocomposites and Bionanocomposites. 2017 , 247-286	2
579	Polypropylene Composite with Oil Palm Fibers: Method Development, Properties and Applications. 2017 , 287-314	
578	Potential Applications of Nanocellulose-Containing Materials in the Biomedical Field. 2017 , 10,	86
577	Estudio comparativo de las propiedades mecánicas de la resina poliéster reforzada con fibra de bambú, como material sustituto de la fibra de vidrio. 2017 , 84, 35-41	0
576	Chemical compositions of natural fibres. 2017 , 23-58	23
575	Synthesis and utilization of natural fiber-reinforced poly (lactic acid) bionanocomposites. 2017 , 313-345	6
574	Dynamic mechanical analysis and crystalline analysis of hemp fiber reinforced cellulose filled epoxy composite. 2017 , 27, 309-319	38
573	Bio-based hybrid polymer composites. 2017 , 23-70	5
572	Rice husk and kenaf fiber reinforced polypropylene biocomposites. 2017 , 77-94	8
571	Effects of Biodegradation on the Structure and Properties of Windmill Palm (<i>Trachycarpus fortunei</i>) Fibers Using Different Chemical Treatments. 2017 , 10,	7
570	Creep Behavior of Poly(lactic acid) Based Biocomposites. 2017 , 10,	11
569	Effect of Silane Coupling Agent on Tribological Properties of Hemp Fiber-Reinforced Plant-Derived Polyamide 1010 Biomass Composites. 2017 , 10,	32
568	Extraction and Characterization of Cellulose Nanocrystals from Tea Leaf Waste Fibers. 2017 , 9,	40
567	Composites and Nanocomposites Based on Starches. Effect of Mineral and Organic Fillers on Processing, Structure, and Final Properties of Starch. 2017 , 125-151	3
566	Modification of Nanocellulose to Improve Properties. 2017 , 91-104	

565	Nanofibrillated cellulose reinforcement in thermoset polymer composites. 2017 , 1-24		6
564	Surface modification of fibers and sizing operations. 2017 , 81-98		
563	Using Factorial Design Methodology to Assess PLA-g-Ma and Henequen Microfibrillated Cellulose Content on the Mechanical Properties of Poly(lactic acid) Composites. 2017 , 2017, 1-14		7
562	Effect of Fungal Deterioration on Physical and Mechanical Properties of Hemp and Flax Natural Fiber Composites. 2017 , 10,		19
561	Cork biomass biocomposites: Lightweight and sustainable materials. 2017 , 365-385		4
560	Reinforcement of Polyester with Renewable Ramie Fibers. 2017 , 20, 51-59		16
559	Exploring Ionic Liquid Assisted Pretreatment of Lignocellulosic Biomass for Fabrication of Green Composite. 2017 , 96, 376-379		2
558	Gamma radiation effect on sisal / polyurethane composites without coupling agents. 2017 , 27, 165-170		12
557	Influence of the spruce strands hygroscopic behaviour on the performances of wood-cement composites. 2018 , 166, 522-530		13
556	The effect of bio-based content in resin blends on tensile properties of FRP wet layup systems. 2018 , 168, 328-337		2
555	A Study on Mechanical Properties of Silk Fiber Reinforced Epoxy Resin Bio-Composite With SiC As Filler Addition. <i>Materials Today: Proceedings</i> , 2018 , 5, 3219-3228	1.4	10
554	A review of flammability of natural fibre reinforced polymeric composites. 2018 , 162, 64-78		85
553	A study of mechanical and morphological properties of PLA based biocomposites prepared with EJO vegetable oil based plasticiser and kenaf fibres. 2018 , 5, 085314		12
552	Importance of Agricultural and Industrial Waste in the Field of Nanocellulose and Recent Industrial Developments of Wood Based Nanocellulose: A Review. 2018 , 6, 2807-2828		231
551	Modification of the Interface/Interphase in Natural Fibre Reinforced Composites: Treatments and Processes. 2018 , 35-70		7
550	Izod Impact Test Comparative Analysis of Epoxy and Polyester Matrix Composites Reinforced with Hemp Fibers. 2018 , 155-164		1
549	Pineapple Leaf Fiber: From Waste to High-Performance Green Reinforcement for Plastics and Rubbers. 2018 , 271-291		8
548	Sandwich diffusion model for moisture absorption of flax/glass fiber reinforced hybrid composite. 2018 , 188, 1-6		14

547	Pretreatments of Natural Fibers for Polymer Composite Materials. 2018 , 137-175			3
546	An overview of structural-functional-integrated composites based on the hierarchical microstructures of plant fibers. 2018 , 1, 231-246			27
545	Rheological behavior of composites made from linear medium-density polyethylene and hemp fibers treated by surface-initiated catalytic polymerization. 2018 , 57, 445-457			2
544	Life-Cycle Assessment and Life-Cycle Cost study of Banana (<i>Musa sapientum</i>) fiber Biocomposite materials. 2018 , 69, 585-590			16
543	The noise absorption performance of sugarcane-bagasse-polyvinyl acetate glue based absorber. 2018 ,			1
542	Enhanced mechanical and thermal properties of poly (lactic acid)/bamboo fiber composites via surface modification. 2018 , 37, 841-852			18
541	Flexural and Dynamic Mechanical Analysis (DMA) of Polylactic Acid (PLA) Coated Sisal Fibre Reinforced Polyester Composite. <i>Materials Today: Proceedings</i> , 2018 , 5, 6109-6114	1.4		11
540	Effect of Nano Clay on Mechanical Behavior of Bamboo Fiber Reinforced Polyester Composites. 2018 , 877, 294-298			8
539	Multifunctional Composite Ecomaterials and Their Impact on Sustainability. 2018 , 1-31			
538	Mechanical and thermal characterization of polyester composite containing treated wood flour from Palm oil biomass. 2018 , 39, 1200-1211			10
537	Hybrid composites based on sisal fibers and silica nanoparticles. 2018 , 39, 146-156			16
536	Modification of bamboo fibers/bio-based epoxy interface by nano-reinforced coatings. 2018 , 39, 1534-1542			9
535	The effects of chemical treatment on the structural and thermal, physical, and mechanical and morphological properties of roselle fiber-reinforced vinyl ester composites. 2018 , 39, 274-287			52
534	Hydrophobic treatment of natural fibers and their composites—A review. 2018 , 47, 2153-2183			192
533	Thermal degradation of coir fiber reinforced low-density polyethylene composites. 2018 , 25, 363-372			4
532	Optimization of Pineapple Leaf Fibre Extraction Methods and Their Biodegradabilities for Soil Cover Application. 2018 , 26, 319-329			14
531	Thermo-mechanical characterization of banana particulate reinforced PVC composite as piping material. 2018 , 30, 296-304			15
530	Effect of core-shell acrylate rubber particles on the thermomechanical and physical properties of biocomposites from polylactic acid and olive solid waste. <i>Polymer Engineering and Science</i> , 2018 , 58, 894-902	2.3		6

529	Processing and properties of pineapple leaf fibers-polypropylene composites prepared by twin-screw extrusion. 2018 , 39, 4115-4122	11
528	Effects of fiber-surface modification on the properties of bamboo flour/polypropylene composites and their interfacial compatibility. 2018 , 38, 157-166	5
527	Significance of nano-silver coating on the thermal behavior of parent and modified agro-waste coir fibers. 2018 , 131, 1423-1436	5
526	Analysis of cyclic load die forming for woven jute fabric 3D reinforcement polymeric composites. 2018 , 47, 1681-1701	6
525	Effect of sodium bicarbonate treatment on mechanical properties of flax-reinforced epoxy composite materials. 2018 , 52, 1061-1072	59
524	Paraffin/wood flour/high-density polyethylene composites for thermal energy storage material in buildings: A morphology, thermal performance, and mechanical property study. 2018 , 39, E1643-E1652	11
523	The influence of nanostructured UV-blockers on mechanical properties of carbon fiber epoxy composites during accelerated weathering condition. 2018 , 29, 970-981	11
522	Evaluation of bio-degummed hemp fibers as reinforcement in gypsum plaster. 2018 , 138, 149-156	25
521	Tribological properties of epoxy composite coatings reinforced with functionalized C-BN and H-BN nanofillers. 2018 , 434, 1311-1320	64
520	A Comparative Study on the Mechanical and Biodegradation Characteristics of Starch-Based Composites Reinforced with Different Lignocellulosic Fibers. 2018 , 26, 2434-2447	22
519	Effect of in situ reactive interfacial compatibilization on structure and properties of polylactide/sisal fiber biocomposites. 2018 , 39, E174-E187	8
518	Composites of polypropylene/Candelilla fiber (<i>Euphorbia antisiphilitica</i>): Synergic of wax-polypropylene grafted Maleic anhydride. 2018 , 5, 1526861	1
517	Micro-structural and mechanical characterization of doum-palm leaves particulate reinforced PVC composite as piping materials. 2018 , 57, 2929-2937	5
516	Development of banana () pseudo stem fiber as a surgical bio-tool to avert post-operative wound infections.. 2018 , 8, 36791-36801	12
515	Mechanical, Thermal and Morphological Properties of Sisal Fibres. 2018 , 455, 012014	7
514	Natural Fibers for Sustainable Bio-Composites. 2018 ,	16
513	Kenaf fibre treatment for yarn development and reinforced composite: A review. 2018 ,	
512	Influence of drying process on reactivity of cellulose and xylan in acetylation of willow (<i>Salix schwerinii</i> E. L. Wolf) kraft pulp monitored by HSQC-NMR spectroscopy. 2018 , 25, 6319-6331	4

511	Effects of Surface Treatments on Tensile, Thermal and Fibre-matrix Bond Strength of Coir and Pineapple Leaf Fibres with Poly Lactic Acid. 2018 , 15, 1035-1046	52
510	Effect of surface treatment and titanium dioxide nanoparticles on the mechanical and morphological properties of wood flour/polypropylene nanocomposites. 2018 , 9, 176-185	12
509	A study of mechanical and morphological properties of PLA based biocomposites prepared with EJO vegetable oil based plasticiser and kenaf fibres. 2018 , 368, 012011	5
508	Fracture Toughness of Random Short Natural Fibers Polyester Composites. 2018 , 18, 94-105	3
507	Novel implementation of natural fibro-granular materials as acoustic absorbers. 2018 , 49, 311-316	5
506	Hyperbranched Liquid Crystals Modified with Sisal Cellulose Fibers for Reinforcement of Epoxy Composites. 2018 , 10,	4
505	Study of mechanical and water absorption characteristics of natural fibre reinforced epoxy composites. 2018 , 402, 012103	2
504	Damage sensing in multi-functional hybrid natural fiber composites under shear loading. 2018 , 27, 115034	14
503	Influence of Amine Compounds on the Thermal Stability of Paper-Oil Insulation. 2018 , 10,	5
502	Study of the alkali lignin stabilization thanks to plasma process. 2018 , 156, 202-210	3
501	Mechanical properties of poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/wood flour composites: Effect of interface modifiers. 2018 , 135, 46828	16
500	Resistência ao cisalhamento da ligaõ bambu-bambu: Influência da pressõ de colagem. 2018 , 22,	
499	Superficial modification by alkalization of cellulose Fibres obtained from Fique leaf. 2018 , 437, 012015	2
498	Effect of silane treatment loading on the flexural properties of PLA/flax unidirectional composites. 2018 , 10, 6-10	56
497	Macrocyclic oligomers as compatibilizing agent for hemp fibres/biodegradable polyester eco-composites. 2018 , 146, 396-406	18
496	1.11 Natural Fibers. 2018 , 269-294	2
495	Reuse and Valorisation of Hemp Fibres and Rice Husk Particles for Fire Resistant Fibreboards and Particleboards. 2018 , 26, 3731-3744	13
494	Characterization of Polypropylene Green Composites Reinforced by Cellulose Fibers Extracted from Rice Straw. 2018 , 2018, 1-10	18

493	Enzymatically treated curaua fibers in poly(butylene succinate)-based biocomposites. 2018 , 6, 4452-4458	13
492	Stepwise multiscale deconstruction of banana pseudo-stem (Musa acuminata) biomass and morphomechanical characterization of extracted long fibres for sustainable applications. 2018 , 122, 657-668	25
491	Extraction and refinement of agricultural plant fibers for composites manufacturing. 2018 , 21, 897-906	17
490	Fabrication and Characterization of Nanofibrillated Cellulose (NFC) Reinforced Polymer Composite. 2018 ,	13
489	Sustainable and High Performing Biocomposites with Chitosan/Sepiolite Layer-by-Layer Nanoengineered Interphases. 2018 , 6, 9601-9605	33
488	Interface Bond Improvement of Sisal Fibre Reinforced Polylactide Composites with Added Epoxy Oligomer. 2018 , 11,	18
487	Cellulose nanomaterials: size and surface influence on the thermal and rheological behavior. 2018 , 28, 93-102	21
486	Static, dynamic mechanical and thermal properties of untreated and alkali treated mulberry fiber reinforced polyester composites. 2018 , 39, E1908-E1919	15
485	Investigation of hydrophobic coatings on cellulose-fiber substrates with in-situ polymerization of silane/siloxane mixtures. 2018 , 86, 13-21	12
484	Use of Recycled Pulped Chromated Copper Arsenate-Treated Wood Fibre in Polymer Composites. 2018 , 2, 35	3
483	Charpy impact test of epoxy composites reinforced with untreated and mercerized mallow fibers. 2018 , 7, 520-527	25
482	Critical length and interfacial strength of PALF and coir fiber incorporated in epoxy resin matrix. 2018 , 7, 528-534	40
481	A novel surface treatment for bamboo flour and its effect on the dimensional stability and mechanical properties of high density polyethylene/bamboo flour composites. 2018 , 186, 1220-1227	20
480	Ultrasonic inspection of natural fiber-reinforced composites. 2018 , 227-251	1
479	Dielectric barrier discharge (DBD) plasma pretreatment of lignocellulosic materials in air at atmospheric pressure for their improved wettability: a literature review. 2018 , 72, 979-991	26
478	Experimental characterization of a new high-strength ultra-lightweight composite proppant derived from renewable resources. 2018 , 170, 1038-1047	12
477	Functional Properties of Lignocellulosic Materials. 2018 , 35-47	1
476	Reinforcing of low-density polyethylene by cellulose extracted from agricultural wastes. 2019 , 53, 219-225	2

475	Experimental investigation on fabrication and thermal-stamping of woven jute/polylactic acid biocomposites. 2019 , 53, 851-861	7
474	Electrical response of novel carbon nanotubes embedded and carbon fiber Z-axis reinforced jute/epoxy laminated composites. 2019 , 40, E1189	12
473	Multilayered Cellulosic Material as a Leather Alternative in the Footwear Industry. 2019 , 37, 20-34	11
472	A Review on Peanut Shell Powder Reinforced Polymer Composites. 2019 , 58, 349-365	19
471	Mechanical characterization of polylactic acid reinforced bagasse/basalt hybrid fiber composites. 2019 , 53, 33-43	11
470	The effect of different linear robot travel speed on mass flowrate of pineapple leaf fibre (PALF) automated spray up composite. 2019 , 156, 220-228	4
469	Effect of Chemical Treatment on the Mechanical Properties of Okra-Fiber-Reinforced Epoxy Composites. 2019 , 247-256	
468	Enhancement of the Amazonian Açai Waste Fibers through Variations of Alkali Pretreatment Parameters. 2019 , 16, e1900275	4
467	Nanocellulose-Reinforced Unsaturated Polyester Composites. 2019 , 257-274	
466	Effect of Graphene Oxide Coating on Natural Fiber Composite for Multilayered Ballistic Armor. 2019 , 11,	37
465	Treatment of Flax Fabric with AP-DBD in Parallel Plane Configuration. 2019 , 2, 272-282	3
464	Biochar as a filler in glassfiber reinforced composites: Experimental study of thermal and mechanical properties. 2019 , 175, 107169	24
463	Green Polymer Composites Based on Polylactic Acid (PLA) and Fibers. 2019 , 29-54	2
462	High residual mechanical properties at elevated temperatures of bamboo/glass reinforced-polybenzoxazine hybrid composite. <i>Polymer Engineering and Science</i> , 2019 , 59, 1818-1829	2.3 9
461	Biocomposites based on PCL and macaiba fiber. Detailed characterization of main properties. 2019 , 6, 095335	9
460	Strengthening and Toughening of Polylactide/Sisal Fiber Biocomposites via in-situ Reaction with Epoxy-Functionalized Oligomer and Poly (butylene-adipate-terephthalate). 2019 , 11,	5
459	Applications of Composites Materials for Environmental Aspects. 2019 , 33-55	2
458	Fire Performance of Natural Fiber Reinforced Polymeric Composites. 2019 , 209-224	1

457	Surface Treatment Effects on the Mechanical Properties of Silica Carbon Black Reinforced Natural Rubber/Butadiene Rubber Composites. 2019 , 11,		13
456	Full-degradable composites reinforced by the low temperature treated cotton fabrics with enhanced strength and interfacial bonding. 2019 , 177, 107269		5
455	Effect of mercerized surface treated natural fiber to the tensile properties of green composite. 2019 , 1217, 012009		
454	Influence of Surface Modification of Cellulose Nanofibers (CNF) as the Reinforcement of Polypropylene Based Composite. 2019 ,		4
453	Mechanical Characteristics and Terminological Behavior Study on Natural Fiber Nano reinforced Polymer Composite [A Review. <i>Materials Today: Proceedings</i> , 2019 , 16, 1287-1296	1.4	18
452	Jute Based Bio and Hybrid Composites and Their Applications. 2019 , 7, 77		26
451	Quantitively Characterizing the Chemical Composition of Tailored Bagasse Fiber and Its Effect on the Thermal and Mechanical Properties of Polylactic Acid-Based Composites. 2019 , 11,		17
450	Nanosilver Coated Coir Based Dielectric Materials with High K and Low Df for Embedded Capacitors and Insulating Material Applications [A Greener Approach. 2019 , 7, 3824-3837		6
449	Physico-mechanical and thermal properties of date palm fiber/phenolic resin composites. 2019 , 40, 3657-3665	6	
448	Mechanical performance of thermoplastic olefin composites reinforced with coir and sisal natural fibers: Influence of surface pretreatment. 2019 , 40, 3472-3481		21
447	Lignocellulosic materials as reinforcements in sustainable packaging systems. 2019 , 87-102		5
446	Review on mechanical properties evaluation of pineapple leaf fibre (PALF) reinforced polymer composites. 2019 , 174, 106927		106
445	Surface Treatment of Lignin Sourced Carbon Fibers: Principles, Processes, and Challenges. 2019 , 427-439		0
444	Influence of fiber content on rheological and mechanical properties of pineapple leaf fibers-polypropylene composites prepared by twin-screw extrusion. 2019 , 40, 4519-4529		8
443	Composites and Nanocomposites. 2019 , 447-512		1
442	Composites and Nanocomposites. 2019 , 1-67		1
441	Decrystallization of cellulose under the influence of elastomer-assisted mechanical and mechanochemical shear. 2019 , 42, 1		3
440	Microstructure of Thermoplastic Composites Reinforced with Wool and Wood. 2019 , 890, 98-112		3

439	Synthesis and properties of pandanwangi fiber reinforced polyethylene composites: Evaluation of dicumyl peroxide (DCP) effect. 2019 , 15, 53-57	23
438	Effect of Alkaline Treatment on Mechanical, Physical and Thermal Properties of Roselle/Sugar Palm Fiber Reinforced Thermoplastic Polyurethane Hybrid Composites. 2019 , 20, 847-855	35
437	Eco-friendly polymer composites for green packaging: Future vision and challenges. 2019 , 172, 16-25	155
436	Reinforcement of material extrusion 3D printed polycarbonate using continuous carbon fiber. 2019 , 28, 354-364	17
435	Reinforcing mechanisms of natural fibers in green composites: Role of fibers morphology in a PLA/hemp model system. 2019 , 180, 51-59	60
434	Optimized silk fibroin piezoresistive nanocomposites for pressure sensing applications based on natural polymers. 2019 , 1, 2284-2292	19
433	Physical and Chemical Modifications of Plant Fibres for Reinforcement in Cementitious Composites. 2019 , 2019, 1-18	30
432	Critical Review of the Parameters Affecting the Effectiveness of Moisture Absorption Treatments Used for Natural Composites. 2019 , 3, 27	45
431	Insights into the biodegradation of PHA / wood composites: Micro- and macroscopic changes. 2019 , 21, e00099	16
430	Algae as a Source of Microcrystalline Cellulose. 2019 , 331-350	8
429	Maleinized Linseed Oil as Epoxy Resin Hardener for Composites with High Bio Content Obtained from Linen Byproducts. 2019 , 11,	24
428	Coating Performance of Water-Based Polyurethane-Acrylate Coating on Bamboo/Bamboo Scrimber Substrates. 2019 , 2019, 1-8	3
427	Experimental Analysis and Simulation of Novel Technical Textile Reinforced Composite of Banana Fibre. 2019 , 12,	9
426	Mechanical evaluation of hybrid natural fibre reinforced polymeric composites for automotive bumper beam: a review. 2019 , 103, 1781-1797	35
425	Reinforcing of phenol formaldehyde resin by graphene oxide and lignin nanohybrids. 2019 , 31, 590-599	2
424	Eco-friendly Polymer Composite: State-of-Arts, Opportunities and Challenge. 2019 , 1233-1265	4
423	Effect of Bamboo Flour (BF) Content on the Dynamic Rheological Characteristics of BF-filled High-density Polyethylene (HDPE). 2019 , 58, 341-354	2
422	Fabrication and characterization of chitosan-coated sisal fiber [Phytigel modified soy protein-based green composite. 2019 , 53, 2481-2504	36

421	Mechanical Properties Comparison of Various Ratios of L-Lactide Grafted Sisal Fibers and Untreated Sisal Fibers Reinforced Poly (lactic acid) Composites. 2019 , 58, 161-173		1
420	Extraction, characterization and thermal degradation kinetics with activation energy of untreated and alkali treated <i>Saccharum spontaneum</i> (Kans grass) fiber. 2019 , 166, 436-445		33
419	Fused Deposition Modeling of Poly (Lactic Acid)/Walnut Shell Biocomposite Filaments Surface Treatment and Properties. 2019 , 9, 4892		7
418	Poly(vinyl acetate)-coated jute fabric reinforced polyester composite with enhanced mechanical performance: Interfacial hydrogen bond and autohesion mechanism. 2019 , 152808371989473		1
417	Optimisation & Mechanical Testing Of Hybrid BioComposites. <i>Materials Today: Proceedings</i> , 2019 , 18, 3849-3855	1.4	6
416	A Review of the Compositions, Processing, Materials and Properties of Brake Pad Production. 2019 , 1378, 032103		0
415	Exploration of Jute-HCP Composites Material for Building Environments. 2019 , 1-10		1
414	Evaluation of Thermally Treated Fiber for the Removal of Crude Oil on the Water Surface. 2019 , 12,		4
413	Using Agricultural Waste to Create More Environmentally Friendly and Affordable Products and Help Poor Coconut Farmers. 2019 , 130, 01034		6
412	Surface treatment of jute fibre using eco-friendly method and its use in PP composites. <i>Materials Today: Proceedings</i> , 2019 , 18, 3268-3275	1.4	4
411	Tribological Properties of <i>Calotropis Procera</i> Natural Fiber Reinforced Hybrid Epoxy Composites. 2019 , 895, 45-51		6
410	Highly dispersible laser activate particles via surface modification for laser direct structuring and electroless plating application. 2019 , 53, 1377-1386		0
409	Thermal and physicomechanical properties of gamma-irradiated EPDM/waste newsprint microfibers composites treated using acrylic styrene emulsion as a coupling agent. 2019 , 25, E91-E106		3
408	Flax (<i>Linum usitatissimum</i> L.) fibre reinforced polymer composite materials: A review on preparation, properties and prospects. 2019 , 102, 109-166		97
407	Cellulose an ageless renewable green nanomaterial for medical applications: An overview of ionic liquids in extraction, separation and dissolution of cellulose. 2019 , 129, 750-777		61
406	Effect of water absorption and stacking sequences on the properties of hybrid sisal/glass fibre reinforced polyester composite. 2019 , 233, 2045-2056		11
405	Effect of poly(lactic acid) films incorporated with different concentrations of <i>Tanacetum balsamita</i> essential oil, propolis ethanolic extract and cellulose nanocrystals on shelf life extension of vacuum-packed cooked sausages. 2019 , 19, 200-209		24
404	Processing of cardanol resin with CSP using compression molding technique. 2019 , 34, 397-406		7

403	Effects of pre-treatments and co-digestion on biogas production from Okra waste. 2019 , 11, 013101	11
402	Grape stalk fibers as reinforcing filler for polymer composites with a polystyrene matrix. 2019 , 136, 47427	6
401	Environmentally friendly polymer composites based on PBAT reinforced with natural fibers from the amazon forest. 2019 , 40, 3351-3360	23
400	Effects of hybridization on the mechanical properties of composites reinforced by piassava fibers tissue. 2019 , 162, 73-79	12
399	Effect of chemical treatment on the thermal properties of hybrid natural fiber-reinforced composites. 2019 , 136, 47154	72
398	Flax fiber and its composites: An overview of water and moisture absorption impact on their performance. 2019 , 38, 323-339	50
397	Ramie and jute as natural fibers in a composite part life cycle engineering comparison with an aluminum part. 2019 , 253-284	2
396	Morphology and crystalline characteristics of polylactic acid [PLA]/linear low density polyethylene [LLDPE]/microcrystalline cellulose [MCC] fiber composite. 2019 , 171, 54-61	47
395	Finite element modeling of natural fiber-based hybrid composites. 2019 , 1-18	6
394	Risk-sensitive life cycle assessment of green composites for automotive applications. 2019 , 219-251	2
393	The mechanical, hygral, and interfacial strength of continuous bamboo fiber reinforced epoxy composites. 2019 , 166, 272-283	81
392	Development of polystyrene composites based on blue agave bagasse by in situ RAFT polymerization. 2019 , 136, 47089	2
391	Effect of treatment on water absorption behavior of natural fiber reinforced polymer composites. 2019 , 141-156	16
390	Surface treatments of plant fibers and their effects on mechanical properties of fiber-reinforced composites: A review. 2019 , 38, 15-30	87
389	Physicochemical properties of new cellulosic fiber extracted from Carica papaya bark. 2019 , 16, 175-184	37
388	On the Dynamic Performance of Flax Fiber Composite Beams Manufactured at Different Relative Humidity Levels. 2020 , 17, 598-608	2
387	Polyvinyl Chloride Reinforced with Areca Sheath Fiber Composites An Experimental Study. 2020 , 17, 781-792	19
386	Improvement of Physicochemical Properties of Short Bamboo Fiber-Reinforced Composites Using Ceramic Fillers. 2020 , 17, 1582-1593	8

385	Green synthesized materials for sensor, actuator, energy storage and energy generation: a review. 2020 , 59, 1-62	14
384	Alkali Treatment Effect: Mechanical, Thermal, Morphological, and Spectroscopy Studies on Abutilon Indicum Fiber-Reinforced Composites. 2020 , 17, 1775-1784	24
383	A review on the properties of natural fibres and its bio-composites: Effect of alkali treatment. 2020 , 234, 198-217	21
382	Ultra-light polymer-based nano-composite for structural applications. <i>Materials Today: Proceedings</i> , 2020 , 27, 32-36	1.4
381	Investigation of local degradation in wood stands and its effect on cement wood composites. 2020 , 231, 117201	7
380	Effects of alkaline treatment and kinetic analysis of agroindustrial residues from grape stalks and yerba mate fibers. 2020 , 139, 3275-3286	10
379	Modified hemp fibers intended for fiber-reinforced polymer composites used in structural applicationsA review. I. Methods of modification. 2020 , 41, 5-31	35
378	The role of hollow silica nanospheres and rigid silica nanoparticles on acoustic wave absorption of flexible polyurethane foam nanocomposites. 2020 , 56, 395-410	4
377	Production and characterization of poly (lactic acid)-based biocomposites filled with basalt fiber and flax fiber hybrid. 2020 , 52, 701-716	26
376	Effects of oxygen and tetravinylsilane plasma treatments on mechanical and interfacial properties of flax yarns in thermoset matrix composites. 2020 , 27, 511-530	15
375	Preparation and Properties of Compatible Starch-PCL Composites: Effects of the NCO Functionality in Compatibilizer. 2020 , 72, 1900239	2
374	Composites from recycled polyethylene and plasma treated kapok fibers. 2020 , 27, 2115-2134	11
373	Process design for performance improvement in purely ecofriendly composites for structural applications. 2020 , 137, 48719	2
372	Comparative study of pineapple leaf microfiber and aramid fiber reinforced natural rubbers using dynamic mechanical analysis. <i>Polymer Testing</i> , 2020 , 82, 106289	4.5 17
371	Effect of eco-friendly chemical sodium bicarbonate treatment on the mechanical properties of flax fibres: Weibull statistics. 2020 , 106, 1753-1774	21
370	Potential of alkali treated cornhusk film as reinforcement for epoxy laminate composites. 2020 , 27, 2555-2567	4
369	Systematic Investigation from Material Characterization to Modeling of Jute-Substrate-Based Conformal Circularly Polarized Wearable Antenna. 2020 , 49, 7292-7307	4
368	Free-standing spider silk webs of the thomisid <i>Saccodomus formivorus</i> are made of composites comprising micro- and submicron fibers. 2020 , 10, 17624	2

367	Effect of imidazolium-based green solvents on the moisture absorption and thickness swelling behavior of wood flour/polyethylene composites. 2020 , 089270572096217	2
366	Recent advancement in the natural fiber polymer composites: A comprehensive review. 2020 , 277, 124109	83
365	Quantitatively Investigating the Effects of Fiber Parameters on Tensile and Flexural Response of Flax/Epoxy Biocomposites. 2020 , 1-16	8
364	Preparation of Zinc Hydroxystannate Coated Dendritic-Fibrillar Barium Carbonate and its Flame Retardant Effect on Soft Poly (Vinyl Chloride). 2020 , 59, 659-671	3
363	Effect of chemical and enzymatic treatments of alfa fibers on polylactic acid bio-composites properties. 2020 , 54, 4959-4967	10
362	Morphological, acoustical, mechanical and thermal properties of sustainable green Yucca () fibers: an exploratory investigation. 2020 , 18, 883-896	5
361	Introduction to Composite Materials. 2020 ,	14
360	Tailored PCL/MacaBa fiber to reach sustainable biocomposites. 2020 , 9, 9691-9708	9
359	Elucidating the Sound Absorption Characteristics of Foxtail Millet () Husk. 2020 , 13,	0
358	Valorization of agricultural wastes for multidimensional use. 2020 , 41-78	3
357	Adsorption Behavior of Polyelectrolyte onto Alumina and Application in Ciprofloxacin Removal. 2020 , 12,	11
356	Recent advances in compatibilization strategies of wood-polymer composites by isocyanates. 2020 , 54, 1091-1119	10
355	Study on the Effect of Granite Powder Fillers in Surface-treated Cordia Dichotoma Fiber-Reinforced Epoxy Composite. 2020 , 1-16	3
354	Isolation and characterization of micro and nanocrystalline cellulose fibers from the walnut shell, corncob and sugarcane bagasse. 2020 , 163, 1375-1383	13
353	Graphene-Incorporated Natural Fiber Polymer Composites: A First Overview. 2020 , 12,	33
352	The effects of sol-gel coatings doped with zinc salts and zinc oxide nanopowders on multifunctional performance of linen fabric. 2020 , 27, 8385-8403	6
351	Flexural Mechanical Properties of Natural Fibre Reinforced Polymer Composites I A Statistical Investigation. 2020 , 21, 2321-2337	1
350	A Review on Natural Fiber-Reinforced Geopolymer and Cement-Based Composites. 2020 , 13,	25

349	Manufacturing techniques and applications of polymer matrix composites: a brief review. 2020 , 1-11		9
348	Composites with Natural Fibers and Conventional Materials Applied in a Hard Armor: A Comparison. 2020 , 12,		30
347	Development and characterisation of Cordia Dichotoma Fibre / Granite filler reinforced polymer blended (Epoxy/Polyester) hybrid composites. 2020 , 1-17		3
346	Effect of Alkali Treatment on Diameter and Tensile Properties of Yucca Gloriosa Fiber Using Response Surface Methodology. 2020 , 1-14		5
345	Mechanical properties of flax fiber-reinforced composites at different relative humidities: Experimental, geometric, and displacement potential function approaches. 2020 , 41, 4963-4973		3
344	Effect of cellulose acetate/cellulose triacetate ratio on reverse osmosis blend membrane performance. <i>Polymer Engineering and Science</i> , 2020 , 60, 2852-2863	2.3	6
343	Biomass derived Fibers as a Substitute to Synthetic Fibers in Polymer Composites. 2020 , 7, 193-215		4
342	Investigation of Mechanical Properties of Jute Fiber Reinforced Low Density Polyethylene Composites. 2020 , 1-18		11
341	The Effects of Henna Fillers on the Properties of Polyurethane Foam Composites. 2020 , 1010, 520-525		
340	Characteristic study of bamboo fibers in preforming. 2020 , 54, 3871-3882		6
339	Mechanical & Interfacial Properties of Bamboo Lamella-PP Composites [Effect of Lamella Treatment. 2020 , 21, 1086-1095		4
338	Studies on durability of sustainable biobased composites: a review.. 2020 , 10, 17955-17999		56
337	Antimicrobial low-density polyethylene/low-density polyethylene-grafted acrylic acid biocomposites based on rice bran with tea tree oil for food packaging applications. 2020 , 089270572092514		13
336	Reinforcing silicone with hemp fiber for additive manufacturing. 2020 , 194, 108139		18
335	Spark plasma sintering and structural analysis of nickel-titanium/coconut shell powder metal matrix composites. 2020 , 108, 3465-3473		1
334	A review of environmentally friendly rubber production using different vegetable oils. <i>Polymer Engineering and Science</i> , 2020 , 60, 1097-1117	2.3	12
333	Mechanical and thermal characterization of bagasse fiber/coconut shell particle hybrid biocomposites reinforced with cardanol resin. 2020 , 2, 100056		13
332	A review of jute fiber reinforced polymer composites. <i>Materials Today: Proceedings</i> , 2020 , 26, 2079-2082	1.4	22

331	Recent Progress in Cellulose Nanocrystal Alignment and Its Applications.. 2020 , 3, 1828-1844	20
330	Influence of pretreatment on mechanical and dielectric properties of short sunn hemp fiber-reinforced polymer composite in correlation with fine structure of the fiber. 2020 , 54, 3313-3327	15
329	Strengthening of Wood-Like Materials via Densification and Nanoparticle Intercalation. 2020 , 10,	8
328	Study of modifications on the chemical and mechanical compatibility between cement matrix and oil palm fibres. 2020 , 7, 100150	13
327	Wood Surface Modification Classic and Modern Approaches in Wood Chemical Treatment by Esterification Reactions. 2020 , 10, 629	10
326	A Study About Water/Alkali Treatments of Hemp Fiber on Ultraviolet Ageing of the Reinforced Polypropylene Composites. 2020 , 28, 2572-2583	8
325	Effect of grain size on the structure and properties of coir epoxy composites. 2020 , 2, 1	2
324	The mechanical, thermal and sound absorption properties of flexible polyurethane foam composites reinforced with artichoke stem waste fibers. 2020 , 152808372093419	10
323	Biocomposite Fabrication from Enzymatically Treated Nanocellulosic Fibers and Recycled Polylactic Acid. 2020 , 13, 1003	3
322	Effect of temperature on the silylation of nanocrystalline cellulose from oil palm empty fruit bunch with 3-aminopropyltriethoxysilane. 2020 , 425, 012065	2
321	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
320	A Machine Learning Approach for Lamb Meat Quality Assessment Using FTIR Spectra. 2020 , 8, 52385-52394	2
319	Arabinoxylan-co-AA/HAp/TiO nanocomposite scaffold a potential material for bone tissue engineering: An in vitro study. 2020 , 151, 584-594	29
318	Multifunctional Bioplastics Inspired by Wood Composition: Effect of Hydrolyzed Lignin Addition to Xylan-Cellulose Matrices. 2020 , 21, 910-920	20
317	Compatibilities and properties of poly lactide/poly (methyl acrylate) grafted chicken feather composite: Effects of graft chain length. 2020 , 137, 48981	4
316	Digital image correlation and acoustic emission for damage analysis during tensile loading of open-hole flax laminates. 2020 , 228, 106921	13
315	Electro-bending behavior of curved natural fiber laminated composites. 2020 , 238, 112004	5
314	Fused Deposition Modeling of Poly (lactic acid)/Macadamia Composites-Thermal, Mechanical Properties and Scaffolds. 2020 , 13,	8

313	Electrospun Polystyrene/LDH Fibrous Membranes for the Removal of Cd ²⁺ Ions. 2020 , 2020, 1-12		7
312	Influence of eco-friendly pretreatment of lignocellulosic biomass using ionic liquids on the interface adhesion and characteristics of polymer composite boards. 2020 , 54, 3717-3729		6
311	Mechanical properties of hybrid glass fiber/rice husk reinforced polymer composite. <i>Materials Today: Proceedings</i> , 2020 , 27, 1749-1755	1.4	2
310	Influence of coupling agent on altering the reinforcing efficiency of natural fibre-incorporated polymers [A review]. 2020 , 39, 520-544		26
309	Natural fiber polymer nanocomposites. 2020 , 279-299		4
308	Experimental investigation of mechanical properties of Jute-Ramie fibres reinforced with epoxy hybrid composites. <i>Materials Today: Proceedings</i> , 2021 , 39, 1309-1315	1.4	8
307	Analysing Flammability Characteristics of Green Biocomposites: An Overview. 2021 , 57, 31-67		20
306	Review on the performances, foaming and injection molding simulation of natural fiber composites. 2021 , 42, 1305-1324		13
305	Luffa Cylindrica as a durable biofiber reinforcement for epoxy systems. 2021 , 203, 108597		5
304	Fused deposition modeling of poly (lactic acid)/almond shell composite filaments. 2021 , 42, 899-913		3
303	Characterization of Biodegradable Films Produced from Mixtures of Alginate, Starch and Babassu Fibers. 2021 , 29, 1212-1226		0
302	Design of experience to evaluate the Interfacial compatibility on high tenacity viscose fibers reinforced Polyamide-6 composites. 2021 , 203, 108615		1
301	Surface characterization and biodegradability of sodium hydroxide-treated Moso bamboo substrates. 2021 , 79, 443-451		3
300	Sonocatalytic degradation of Congo Red using biomass-based cellulose/TiO ₂ composite. <i>Materials Today: Proceedings</i> , 2021 , 42, 50-55	1.4	3
299	Horseradish peroxidase-mediated functional hydrophobization of jute fabrics to enhance mechanical properties of jute/thermoplastic composites. <i>Polymer Engineering and Science</i> , 2021 , 61, 731-741		4
298	Interface tailoring between flax yarns and epoxy matrix by ZnO nanorods. 2021 , 140, 106156		5
297	Renewable adsorbents from carboxylate-modified agro-forestry residues for efficient removal of methylene blue dye. 2021 , 149, 109811		9
296	Experimental fatigue behavior of carbon/flax hybrid composites under tensile loading. 2021 , 55, 581-596		7

295	Comparison of Various Chemical Treatments Efficiency in Relation to the Properties of Flax, Hemp Fibers and Cotton trichomes. 2021 , 18, 735-751		16
294	Survey on chemical, physical, and thermal prediction behaviors for sequential chemical treatments used to obtain cellulose from <i>Imperata Brasiliensis</i> . 2021 , 143, 73-85		6
293	Recent Trends in Surface Modification of Natural Fibres for Their Use in Green Composites. 2021 , 329-350		10
292	Emerging research trends in new natural fibers—Some insights. 2021 , 205-217		
291	Mechanical properties of particulate organic natural filler-reinforced polymer composite: A review. 2021 , 30, 263498332110075		3
290	State-of-the-art review of green composites for automotive applications. 2021 , 347-375		
289	Recent Trends in the Surface Modification of Natural Fibers for the Preparation of Green Biocomposite. 2021 , 273-293		4
288	Various Types of Natural Fibers Reinforced Poly-Lactic Acid Composites. 2021 , 165-180		
287	Chemical treatment and fiber length, their effect on the mechanical properties of blended composites. <i>Materials Today: Proceedings</i> , 2021 , 44, 4862-4866	1.4	4
286	Cellulose-Reinforced Biocomposites Based on PHB and PHBV for Food Packaging Applications. 2021 , 225-261		3
285	Vegetable Fiber Pre-tensioning Influence on the Composites. 2021 , 127-151		
284	Introduction to natural fibres and textiles. 2021 , 1-32		1
283	Characterization and Properties of Pp/Nbrr/Kenaf Composites with Epoxy Resin Compatibilizer. 2021 , 801-809		
282	Natural fibers reinforced FDM 3D printing filaments. <i>Materials Today: Proceedings</i> , 2021 , 46, 1308-1318	1.4	15
281	Hybridization and influence of chemical treatment on the morphology and optimization of composites. <i>Materials Today: Proceedings</i> , 2021 , 44, 4833-4837	1.4	2
280	Green Fiber Thermoplastic Composites. 2021 , 35-62		
279	A review on the usage of green composite. 2021 ,		
278	Cellulose-based biocomposites. 2021 , 135-195		1

277	Modifications and Physicomechanical Behaviors of Roselle Fiber-HDPE Biocomposites for Biomedical Uses. 2021 , 89-102		1
276	A Review on Natural Fiber Bio-Composites, Surface Modifications and Applications. 2021 , 26,		36
275	Absorption of water inducing alteration of physico-mechanical properties in coir-luffa fiber - an experimental study. 2021 ,		
274	A Review of the Mechanical Properties of Roselle Fiber-Reinforced Polymer Hybrid Composites. 2021 , 259-269		1
273	Investigation on the Brittle and Ductile Behavior of Bamboo Nano Fiber Reinforced Polypropylene Nanocomposites. 2021 , 83-105		
272	Molecular Imprinted Nanocomposites for Green Chemistry. 2021 , 571-598		
271	Manufacturing and Processing of Banana Fiber-Based Polymer Composite. 2021 , 59-80		
270	Utilization of polymer chemical admixtures for surface treatment and modification of cellulose fibres in cement-based composites: a review. 2021 , 28, 1241-1266		7
269	Green, Natural Fibre and Hybrid Composites. 2021 , 395-420		0
268	Improvement of Fiber-Matrix Adhesion of Vegetable Natural Fibers by Chemical Treatment. 2021 , 153-177		
267	A brief review on the effect of alkali treatment on mechanical properties of various natural fiber reinforced polymer composites. <i>Materials Today: Proceedings</i> , 2021 , 44, 1988-1994	1.4	5
266	A review on allotropes of carbon and natural filler-reinforced thermomechanical properties of upgraded epoxy hybrid composite. 2021 , 60, 237-275		3
265	Recent Advancements in the Application of Natural Fiber Based Composites in Structural Engineering A Review. 2021 , 313-340		
264	Assessing the Alkali-Sensitivity of the Mechanical Behavior of Jute Fibers to Evaluate Their Durability in Cementitious Composites Applications. 2021 , 151-160		
263	Modification of cellulosic filler with diisocyanates Volatile organic compounds emission assessment and stability of chemical structure over time. 2021 , 36, 353-372		2
262	An Innovative Treatment Based on Sodium Citrate for Improving the Mechanical Performances of Flax Fiber Reinforced Composites. 2021 , 13,		3
261	Failure Mechanisms of Biobased Composites. 2021 , 87-106		2
260	Characterization of Biobased Composites. 2021 , 39-52		1

259	Development and characterization of chemical and fire resistant jute/unsaturated polyester composites. 1-10	7
258	Influence of wood thermal modification on the supermolecular structure of polypropylene composites. 2021 , 42, 2087-2100	0
257	Influence of Epoxy Resin Treatment on the Mechanical and Tribological Properties of Hemp-Fiber-Reinforced Plant-Derived Polyamide 1010 Biomass Composites. 2021 , 26,	2
256	A new method of grafting multi-walled carbon nanotubes on carbon fibers for improving the mechanical and thermal properties of woven fabric composites. 2021 , 55, 2559-2575	
255	Behavior of polyethylene composites based on hemp fibers treated by surface-initiated catalytic polymerization. 2021 , 42, 2334-2348	2
254	A Review on Natural Fiber Reinforced Polymer Composite for Bullet Proof and Ballistic Applications. 2021 , 13,	92
253	Oxidized Hemp Fibers with Simultaneously Increased Capillarity and Reduced Moisture Sorption as Suitable Textile Material for Advanced Application in Sportswear. 2021 , 22, 2052-2062	1
252	Facile synthesis of cellulose/ZnO-hybrid nanocomposite using Hibiscus rosa-sinensis leaf extract and their antibacterial activities. 2021 , 11, 1349-1358	5
251	The Effect of Surface Modified Coir Geotextiles on Environmental Resources. 1-13	
250	Application of various carboxylic acids modified walnut shell waste as natural filler for epoxy-based composites. 2021 , 138, 50770	1
249	Experimental evaluation of bamboo fiber/particulate coconut shell hybrid PVC composite. 2021 , 11, 5465	8
248	Fabrication and Characterization of Acrylic Acid Treated Rattan Fiber Reinforced Polyethylene Terephthalate Composites for Packaging Industries. 1-14	1
247	Alfa fibers for Cereplast bio-composites reinforcement: Effects of chemical and biological treatments on the mechanical properties. 096739112110060	
246	Influence of Mercerization on the Physical and Mechanical Properties of Polymeric Composites Reinforced with Amazonian Fiber. 2021 , 22, 1950-1956	
245	Hybrid mathematical modeling and multi-objective optimization of mechanical properties of green composites based on starch and modified rice straw fillers. 2021 , 138, 50915	0
244	Optimization of Physical and Mechanical Properties of an Active Film of PLA/EEP by a Full Factorial Design. 2021 , 396, 2000257	
243	Biochemical Characterization of Orthosiphon Aristatus and Evaluation of Pharmacological Activities. 1-17	
242	Mechanical Characterization Of Polymer Nano Composite: Progress In Last Decade. 2021 , 1116, 012039	

241	Effects of the liquid natural rubber (LNR) on mechanical properties and microstructure of epoxy/silica/kenaf hybrid composite for potential automotive applications. 2021 , 12, 1026-1038	21
240	Progress in nanocellulose and its polymer based composites: A review on processing, characterization, and applications. 2021 , 42, 3660-3686	7
239	Influence of Alkali Treatment on the Microstructure and Mechanical Properties of Coir and Abaca Fibers. 2021 , 14,	8
238	Fabrication and Mechanical Characterization of Jute-Coir Reinforced Unsaturated Polyester Resin Hybrid Composites with Various Fiber Size using Compression Moulding Technique. 2021 , 10, 233-241	2
237	Exploring the dew retting feasibility of hemp in very contrasting European environments: Influence on the tensile mechanical properties of fibres and composites. 2021 , 164, 113337	11
236	Mechanical, dynamic and tribological characterization of HDPE/peanut shell composites. <i>Polymer Testing</i> , 2021 , 98, 107075	4-5 8
235	FEM evaluation of reinforced concrete beams by hybrid and banana fiber bars (BFB). 2021 , 14, e00479	9
234	Extraction of cellulose to progress in cellulosic nanocomposites for their potential applications in supercapacitors and energy storage devices. 2021 , 56, 14448-14486	5
233	Rice straw and energy reed fibers reinforced phenol formaldehyde resin polymeric biocomposites. 2021 , 28, 7859-7875	9
232	Laccase/TEMPO-mediated Graft Hydrophobization of Jute Fibers to Enhance the Mechanical Properties of Jute/PLA Composites. 1	
231	Fibre Individualisation and Mechanical Properties of a Flax-PLA Non-Woven Composite Following Physical Pre-Treatments. 2021 , 11, 846	1
230	Recent Progress on Natural Lignocellulosic Fiber Reinforced Polymer Composites: A Review. 1-32	8
229	Super-Strong and Super-Stiff Chitosan Filaments with Highly Ordered Hierarchical Structure. 2021 , 31, 2104368	15
228	Influence of Rigid Brazilian Natural Fiber Arrangements in Polymer Composites: Energy Absorption and Ballistic Efficiency. 2021 , 5, 201	3
227	Long-term surface modification of PEEK polymer using plasma and PEG silane treatment. 2021 , 25, 101253	9
226	The Use of Computed Tomography in the Study of Microstructure of Molded Pieces Made of Poly(3-hydroxybutyric-co-3-hydroxyvaleric acid) (PHBV) Biocomposites with Natural Fiber. 2021 , 13,	0
225	Facile One-Step Synthesis of Calcium Phosphate/Cellulose Composite: Synthesis, Morphology, Structure and Properties. 2021 , 398, 2000264	
224	Experimental Investigation of Wavy-Lap Bonds with Natural Cotton Fabric Reinforcement under Cyclic Loading. 2021 , 13,	1

223	Effects of Alkali Treatment on the Mechanical Properties and Moisture Absorption Behavior of Flax/polypropylene Composites. 1-22		1
222	Effect of compatibilizer and fiber loading on ensete fiber-reinforced HDPE green composites: Physical, mechanical, and morphological properties. 2021 , 213, 108937		7
221	Scalable Preparation of Cellulose Nanofibers from Office Waste Paper by an Environment-Friendly Method. 2021 , 13,		1
220	Innovative ionic liquids as functional agent for wood-polymer composites. 2021 , 28, 10589		3
219	A Study on Erosion Wear Behavior of Alkaline and Silane Modified Coconut Sheath and Red Mud Reinforced Hybrid Composites. 2021 , 1-17		
218	Tensile Strength and Fracture Behavior of Single Abaca Fiber. 1-15		2
217	Recycling of industrial waste based on jute fiber-polypropylene: Manufacture of sustainable fiber-reinforced polymer composites and their characterization before and after accelerated aging. 2021 , 168, 113568		8
216	A review on extraction, chemical treatment, characterization of natural fibers and its composites for potential applications.		15
215	Reinforced epoxy-based laminates containing agro-industrial waste fiber from peach palm tree: effect of the matrix modification. 1		
214	Applicability of interface spring and interphase models in micromechanics for predicting effective stiffness of polymer-matrix nanocomposite. 2021 , 49, 101489		1
213	A Review of Recent Advances in Hybrid Natural Fiber Reinforced Polymer Composites. 2022 , 10, 561-589		10
212	Green Biocomposites for Packaging Applications. 2021 , 1-30		1
211	Green Composites from Renewable Sources. 2021 , 251-272		
210	An investigation of the effects of extraction and brushing variables on the properties of hedge sisal fibers using a raspador. 1-20		2
209	Fiber extraction and mechanical properties of Agave Americana/Kenaf fiber reinforced hybrid epoxy composite. <i>Materials Today: Proceedings</i> , 2021 , 46, 8594-8601	1.4	1
208	Exploring the possibilities of FDM filaments comprising natural fiber-reinforced biocomposites for additive manufacturing. 2021 , 8, 524-537		5
207	Antioxidant, and enhanced flexible nano porous scaffolds for bone tissue engineering applications. 2021 , 2, 1356-1367		3
206	Flexural Mechanical Characterization of Polyester Composites Reinforced with Continuous Buriti Petiole Fibers. 311-318		1

205	Acacia Wood and Its Surface Treatment for High Strength Bio-composites. 2019 , 23-48	1
204	Surface Modification Techniques for the Preparation of Different Novel Biofibers for Composites. 2020 , 1-34	19
203	Influence of Fillers on the Thermal and Mechanical Properties of Biocomposites: An Overview. 2020 , 111-133	14
202	Natural Fiber-Reinforced Polymer for Structural Application. 2015 , 35-49	1
201	Development and Characterization of Hybrid Green Composites from Textile Waste. 2018 , 37-49	1
200	Literature Review. 2017 , 5-41	3
199	Coconut Husk Fibers. 2015 , 31-34	2
198	Pineapple Leaf Fibres for Automotive Applications. 2020 , 279-296	3
197	Improving the Properties of Pineapple Leaf Fibres by Chemical Treatments. 2020 , 55-71	5
196	Surface Modification, Characterization and Optimization of Hybrid Bio Composites. 2021 , 623-632	5
195	Chemical Treatment, Influence of Fiber Content, and Optimization of Hybrid Natural Fiber-Reinforced Composites. 2021 , 325-335	8
194	The Longitudinal and Transverse Tensile Properties of Unidirectional and Bidirectional Bamboo Fiber Reinforced Composites. 2020 , 21, 2938-2948	7
193	Characterization and Wrinkle Resistance Enhancement by Sol-Gel Method of Variously Pretreated Linen Fabrics. 2020 , 21, 82-89	6
192	A comprehensive review on light weight kenaf fiber for automobiles. 2020 , 3, 328-337	18
191	Reinforcement of Starch Based Biodegradable Composite Using Nile Rose Residues. 2020 , 9, 6160-6171	17
190	Influence of Mechanical Properties on Modal Analysis of Natural Fiber Reinforced Laminated Composite Trapezoidal Plates. 1-17	11
189	The Influence of Chemical and Thermal Treatments on the Diss Fiber Hygroscopic Behaviors. 1-14	7
188	Mechanical, Thermal Degradation, and Flammability Studies on Surface Modified Sisal Fiber Reinforced Recycled Polypropylene Composites. 2012 , 4, 418031	14

187	Developing Simple Production of Continuous Ramie Single Yarn Reinforced Composite Strands. 2013 , 5, 496274	4
186	Injection Moulded Biocomposites from Oat Hull and Polypropylene/Poly lactide Blend: Fabrication and Performance Evaluation. 2013 , 5, 761840	12
185	Enhancement of the properties of hybrid woods polymer composites by chemical pre-treatments. 2021 , 235, 828-841	1
184	Alternative Solutions for Reinforcement of Thermoplastic Composites. 2015 , 65-92	5
183	Enhancement of mechanical, thermal and water uptake performance of TPU/jute fiber green composites via chemical treatments on fiber surface. 2020 , 20, 133-143	24
182	Pyrolysis kinetics and mechanical properties of poly(lactic acid)/bamboo particle biocomposites: Effect of particle size distribution. 2020 , 9, 524-533	9
181	Influence of different surface treatment techniques on properties of rice husk incorporated polymer composites. 2019 ,	1
180	Fabrication and characterization of palm sugar tree (<i>Arenga pinnata</i>) fiber composites reinforced by polyester resin. 2019 , 26, 121-126	1
179	Enhancement of the Photodegradative Potential of Polymer Composites Containing Babassu Fiber. 2020 , 23,	2
178	Statybinis biokompozitinis plokės iš pluoštinio kanapių palikūnų ir tyrimai.	1
177	CHEMICAL TREATMENT AND MODIFICATION OF JUTE FIBER SURFACE. 2017 , 11, 333-343	30
176	Serat Bambu Petung (<i>Dendrocalamus asper</i>) Teralkalisasi sebagai Penguat Komposit Polimer. 2018 , 8, 1	2
175	Effect of Mercerization and Acetylation on Properties of Coconut Fiber and its Influence on Modified Bitumen. 2016 , 5, 17-22	2
174	Environmentally Friendly Surface Modification Treatment of Flax Fibers by Supercritical Carbon Dioxide. 2020 , 25,	8
173	Tucum Fiber from Amazon Palm Tree: Novel Reinforcement for Polymer Composites. 2020 , 12,	13
172	Agricultural Waste Fibers Towards Sustainability and Advanced Utilization: A Review. 2015 , 15, 42-55	66
171	Synthesis and Characterization of Kapok Fibers and its Composites. 2012 , 12, 1661-1665	15
170	Potential biodegradable matrices and fiber treatment for green composites: A review. 2019 , 6, 119-138	21

169	Natural Material Source of Bagasse Cellulose and Their Application to Hydrogel Films. 2017 , 19-43		1
168	Green Materials in Hybrid Composites for Automotive Applications. 2020 , 56-76		1
167	Study of Maleic Anhydride Grafted Polypropylene Effect on Resin Impregnated Bamboo Fiber Polypropylene Composit. 2014 , 05, 1322-1328		1
166	Effect of Groundnut Shell Powder on the Mechanical Properties of Recycled Polyethylene and Its Biodegradability. 2016 , 04, 228-240		7
165	Adhesion of Silica Particles on Thin Polymer Films Model of Flax Cell Wall. 2014 , 05, 953-965		1
164	Production of a Single Ramie Spun Yarn/PP Composite Tape and Reliability Analysis in Elastic Modulus. 2020 , 28, 343-349		3
163	Mechanical Behaviour of Hybrid Composites Developed from Textile Waste. 2018 , 26, 46-52		7
162	Mechanical properties of concrete using natural fibres - An overview. 2021 ,		
161	A comparative review of Nettle and Ramie fiber and their use in biocomposites, particularly with a PLA matrix. 1-25		3
160	Structural and free-hole volume characterization of high-density polyethylene-chitosan composites plasticized with palm oil. <i>Polymer Engineering and Science</i> , 2021 , 61, 3060	2,3	0
159	Investigation of the thermomechanical performance of hybrid polymer composite using micro bamboo powder and graphite flakes. 51806		0
158	Isolation of nanocellulose from lignocellulosic biomass: Synthesis, characterization, modification, and potential applications. 2021 , 9, 106606		1
157	Processing of Polymer Composites. 2010 , 22, 343-347		
156	Tensile Behavior of Epoxy Composites Reinforced with Continuous and Thinner Ramie Fibers. 374-381		
155	Pullout Test of Jute Fiber to Evaluate the Interface Shear Stress in Polyester Composites. 359-365		
154	Development of Green Composite from Waste Vegetable [^] Preparation and characteristics of bamboo fiber reinforced onion composite [^] . 2013 , 59, 113-118		
153	Fabrication and Mechanical Characterization of Jute Fiber/Epoxy Laminar Composites. 2014 , 173-177		
152	Mechanical Properties of Modular Cement Block Reinforced with Treated Oil Palm Trunk Fiber. 2014 , 675-687		

- 151 Mechanical Properties of Cement Composites Incorporating Oil Palm Stem Fiber. **2014**, 51-60
- 150 Flexural Mechanical Characterization of Epoxy Composites Reinforced with Continuous Banana Fibers. **2015**, 153-158
- 149 Electrospun Scaffolds of Biodegradable Polyesters: Manufacturing and Biomedical Application. 155-190
- 148 Additional Questions and Answers. **2015**, 327-352
- 147 Adhesion and Surface Issues in Biocomposites and Bionanocomposites. 169-217
- 146 Cellulose-Based Biopolymers: Formulation and Delivery Applications. 1378-1408
- 145 Development of New Functional Composites from Onion and Short Natural Fibers. **2016**, 72, 61-65
- 144 Flexural Test in Epoxy Matrix Composites Reinforced with Hemp Fiber. **2016**, 417-423
- 143 Development of Hybrid Cellulose Bio Nanocomposite From Banana and Jute Fiber. **2017**, 361-379 ○
- 142 Fully Biodegradable All-Cellulose Composites. 303-322 1
- 141 Cellulose-Based Biopolymers: Formulation and Delivery Applications. **2017**, 270-300
- 140 A Review of Chemical Treatments on Natural Fibers-Based Hybrid Composites for Engineering Applications. **2018**, 16-37
- 139 Multifunctional Composite Ecomaterials and Their Impact on Sustainability. **2019**, 3193-3222
- 138 Study and characterization of composite based on sugar palm stem powder reinforced by matrix polyester resin, epoxy resin and polyurethane resin. **2019**, 26,
- 137 Ammonium hydroxide modification of polylactic acid and polyglycolic acid monofilaments for acupoint catgut embedding therapy. **2020**, 90, 2109-2119
- 136 Behavioral Study of the Natural Fiber Epoxy Based Composite: A Review paper. **2020**,
- 135 A Comparative Study on Abrasive Water Jet Machining Characteristics of Entry and Exit Layers of Glass and Basalt Woven Polymer Composites. **2021**, 27-37 2
- 134 Effect of Plasma Pretreatment on Flame Retardant Modification of Ramie Fabric via Layer-by-layer Assembly. 1-11 1

133	An extensive analysis of mechanical, thermal and physical properties of jute fiber composites with different fiber orientations. 2021 , 28, 101612		8
132	Biopolymers and Biocomposites. 2020 , 231-275		1
131	Physical and Mechanical Properties of Pineapple Fibers (Leaves, Stems and Roots) from Awae Cameroon for the Improvement of Composite Materials. 2020 , 76, 378-386		3
130	Impact response of a new kevlar/flax/epoxy hybrid composite using infrared thermography and high-speed imaging. 2022 , 280, 114885		3
129	Date Palm Fiber Composites for Automotive Applications. 2020 , 387-405		2
128	Hemp Fibers in Serbia: Cultivation, Processing and Applications. 2020 , 111-146		2
127	Mercerization effect on the properties of LDPE/PHB composites reinforced with castor cake. 2020 , 30,		0
126	An experimental investigation of epoxy-based hybrid composites with hexagonal boron nitride and short sisal fiber as reinforcement for high performance microelectronic applications. <i>Polymer Engineering and Science</i> ,	2.3	5
125	Hybridization of MMT/Lignocellulosic Fiber Reinforced Polymer Nanocomposites for Structural Applications: A Review. 2021 , 11, 1355		20
124	Harvesting, Processing, and Modification Techniques of Natural Fibers. 69-109		
123	Available Mechanical and Chemical Properties of Natural Fibers. 110-136		
122	Impact of Fiber Length and Chemical Alteration on the Mechanical Properties of Blended Composites. 2021 , 633-643		1
121	Effect of chemical treatment on creep recovery behavior of jute/polypropylene composites. 2021 , 235, 329-340		1
120	Bonding Mechanism and Interface Enhancement of Bamboo Fiber Reinforced Composites. 2021 , 215-233		1
119	Sustainable kenaf/bamboo fibers/clay hybrid nanocomposites: properties, environmental aspects and applications. 2022 , 330, 129938		5
118	Development of 3D needled composite from denim waste and polypropylene fibers for structural applications. 2022 , 314, 125583		2
117	Recent developments of lignocellulosic natural fiber reinforced hybrid thermosetting composites for high-end structural applications: a review. 2021 , 28, 1		2
116	Nanocomposite and bio-nanocomposite polymeric materials/membranes development in energy and medical sector: A review. 2021 ,		11

115	Biobased composites from agro-industrial wastes and by-products. 2021 , 1-49	12
114	Development of novel cellulose-based functional materials. 2021 , 10, 73-83	1
113	Cellulose processing from biomass and its derivatization into carboxymethylcellulose: A review. 2022 , 15, e01078	2
112	Optimization and sound absorption modeling in Yucca Gloriosa natural fiber composite. 2021 , 18, 1-17	2
111	Advances and applications of biofiber-based polymer composites. 2022 , 213-235	
110	Significant Applications of Composite and Natural Materials for Vibration and Noise Control: A Review. 2022 , 211-220	1
109	Environmentally Significant Cellulose Fiber Reinforced Polymer Matrix Composites. 2022 , 93-132	
108	Natural fibers. 2022 , 85-107	
107	Characterisation of Hemp Fibres Reinforced Composites Using Thermoplastic Polymers as Matrices.. 2022 , 14,	7
106	Effect of pretreatment on mechanical properties of orange peel particulate (bio-waste) reinforced epoxy composites. 2022 , 12, 0-0	
105	Engineering applications of biofibers. 2022 , 619-643	1
104	Food residue to reinforce recycled plastic biocomposites. 2022 , 29-49	
103	Mechanical Properties of Crystalline and Semicrystalline Polymer Systems. 2022 ,	1
102	Plasma-treated lignocellulosic fibers for polymer reinforcement. A review. 2022 , 29, 659-683	2
101	Future development, prospective, and challenges in the application of green nanocomposites in environmental remediation. 2022 , 483-511	
100	Study of dielectric properties of electron beam irradiated luffa fiber/PLA composites. 1-14	
99	Interpretation of Cole-Cole dielectric dispersion of green composites from medical LINAC modified luffa fiber/PLA. 2022 , 33, 6911	0
98	Sugarcane bagasse waste fibers as novel thermal insulation and sound-absorbing materials for application in sustainable buildings. 2022 , 211, 108753	9

97	Mechanical Testing and Optimization of Bamboo and Tamarind Fiber Composites. 2022 , 647-658	
96	The effects of surface treatment on creep and dynamic mechanical behavior of flax fiber reinforced composites under hygrothermal aging conditions. 2022 , 203-242	0
95	Plant-based fibres in cement composites: A conceptual framework. 2022 , 17, 155892502210789	1
94	Composite materials reinforced with fique fibers Review . 2022 , 21,	
93	Surface modification of natural fibers through esterification treatments. 2022 , 47-65	
92	Pineapple leaf fiber (PALF) waste as an alternative fiber in making concrete. 2022 , 2193, 012061	0
91	Modification Strategies of Kapok Fiber Composites and Its Application in the Adsorption of Heavy Metal Ions and Dyes from Aqueous Solutions: A Systematic Review.. 2022 , 19,	1
90	Development of cellulose acetate membrane performance by carboxylate multiwalled carbon nanotubes. 2022 , 13, 015006	1
89	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. 2022 , 6, 89	4
88	The Effect of Adding Phragmites australis Fibers on the Properties of Concrete. 2022 , 12, 278	3
87	Characterization of long bamboo Guadua Angustifolia fibre composite extracted via rotary peeling method. 2022 , 44, 1	
86	Making the Lignocellulosic Fibers Chemically Compatible for Composite: a Comprehensive Review. 2022 , 100078	0
85	Comparison of analytical assessment of Composite Properties utilizing short discontinuous Bamboo fibers. 2022 , 100262	0
84	Cellulosic fibres-based epoxy composites: From bioresources to a circular economy. 2022 , 182, 114895	5
83	Mechanical, thermal and microstructural studies of Bauhinia Vahlia fiber reinforced polypropylene composite. 2022 , 43, 1319-1329	0
82	Effectiveness of Sodium Acetate Treatment on the Mechanical Properties and Morphology of Natural Fiber-Reinforced Composites. 2022 , 6, 5	1
81	Wear and Morphological Analysis on Basalt/Sisal Hybrid Fiber Reinforced Poly lactic acid Composites. 2022 , 236, 1053-1066	
80	Physicochemical characteristics of chemically treated bagasse fibers. 2022 , 9,	0

- 79 Surface Modification of Commingled Flax/PP and Flax/PLA Fibres by Silane or Atmospheric Argon Plasma Exposure to Improve FibreMatrix Adhesion in Composites. **2022**, 10, 2 2
- 78 Mechanical Behaviour and Thermal Properties of Pine Apple Leaf Fiber Reinforced Vinyl Ester Composites. **2022**, 2022, 1-8
- 77 Effects of alkaline and atmospheric plasma treatments on mechanical properties and CO2 emissions of flax/polypropylene composites. 1-8
- 76 Extraction and modification of natural plant fibersA comprehensive review. **2022**, 25-50 0
- 75 Introduction to plant fibers and their composites. **2022**, 1-24
- 74 A Review on the Effect of Fabric Reinforcement on Strength Enhancement of Natural Fiber Composites.. **2022**, 15, 0
- 73 Effect of Hybridization, manufacturing methods and factors influencing natural fibers reinforced composites and its commercial applications IA review. *Materials Today: Proceedings*, **2022**, 1.4
- 72 Advancement in hemp fibre polymer composites: a comprehensive review. **2022**, 1
- 71 Dynamic and Ballistic Performance of Graphene Oxide Functionalized Curaua Fiber-Reinforced Epoxy Nanocomposites.. **2022**, 14, 0
- 70 Mechanical Characterization of Biocomposites Reinforced with Untreated and 4% NaOH-Treated Sisal and Jute Fibres. **2022**, 2022, 1-11 1
- 69 Influence of shrub root combinations and spacing on slope stability: study case at the Yongding River flooding regime, Langfang, China.. **2022**,
- 68 Growth and Spectral Features of Silver-Doped AnilineBormaldehyde Nanocomposite Polymer: Density Functional Theory Investigation. **2022**, 23-39
- 67 Modification of Fibres and Matrices in Natural Fibre Reinforced Polymer Composites: A Comprehensive Review. 2100862 1
- 66 "A NEW PEACH PALM FIBER MAT FOR POLYURETHANE MATRIX COMPOSITES: BEHAVIOR TO UV-ACCELERATED WEATHERING ". **2022**, 56, 341-352 0
- 65 Effect of Graphene Fillers on the Water Absorption and Mechanical Properties of NaOH-Treated Kenaf Fiber-Reinforced Epoxy Composites. **2022**, 2022, 1-8
- 64 Mechanical properties of sugar palm lignocellulosic fibre reinforced polymer composites: a review. **2022**, 29, 6493-6516 2
- 63 Effect of Various Factors on Plant Fibre-Reinforced Composites with Nanofillers and Its Industrial Applications: A Critical Review. **2022**, 2022, 1-23 0
- 62 Synergistic Reinforcement of Cellulose Microfibers from Pineapple Leaf and Ionic Cross-Linking on the Properties of Hydrogels.

61	Effects of Shrinkage Reducing Admixture and Polypropylene Fiber Utilization on Some Fresh State, Mechanical and Durability Properties of Khorasan Mortar. 1-20		
60	Areca husk fibre epoxy composites-A tribological study. <i>Materials Today: Proceedings</i> , 2022 ,	1.4	
59	Surface treatment to improve water repellence and compatibility of natural fiber with polymer matrix: Recent advancement. <i>Polymer Testing</i> , 2022 , 107707	4-5	3
58	Advancement in Garbage In Biomaterials Out (GIBO) concept to develop biomaterials from agricultural waste for tissue engineering and biomedical applications.		0
57	Lemongrass Plant as Potential Sources of Reinforcement for Biocomposites: A Preliminary Experimental Comparison Between Leaf and Culm Fibers.		0
56	Recycling of bast textile wastes into high value-added products: a review.		1
55	Characterization of Mechanical and Damping Properties of Nettle and Glass Fiber Reinforced Hybrid Composites. 2022 , 6, 238		0
54	Characterization and Optimization of Pistachio Shell Filler-Based Epoxy Composites Using TOPSIS. 2023 , 267-281		0
53	Natural nano-fillers materials for the Bio-composites: A review. 2022 , 99, 100715		0
52	Development of sustainable biocomposite panels assisted with deep eutectic solvent pretreatment of agro-industrial residue. 2022 , 367, 120417		0
51	Introduction to natural fiber composites. 2022 , 1-13		0
50	Chemical Modifications of Natural Fiber Surface and Their Effects. 2022 , 39-64		1
49	Forestry Wastes: Technical Concepts, Economic Circularity, and Sustainability Approaches. 2022 , 369-415		0
48	Manufacture and Characterization of hemp-Acrodur Biocomposites: Variation of Process Parameters. 2022 , 23, 2261-2270		0
47	Radiation-Induced Controlled Grafting from Lignocellulosic Fiber Towards Compatibilization for Composite Reinforcement. 1-12		0
46	Multi-output optimization and characterization of molybdenum disulfide coated coir fiber using osmosis surface coating technique. 1-21		0
45	Emerging Food Packaging Applications of Cellulose Nanocomposites: A Review. 2022 , 14, 4025		4
44	Insights on the properties of physically and chemically treated grape stalks. 2022 , e00506		0

43	Investigation of Jute/Tetracarpidium conophorum reinforced polypropylene composites for automobile application: Mechanical, wear and flow properties. 2022 ,	0
42	Synergistic effect of hybrid hydroxylated boron nitride and cellulose nanocrystals for enhancing the thermal, mechanical, and hydrophobic properties of composite film.	0
41	Elastic Properties of Jute Fiber Reinforced Polymer Composites with Different Hierarchical Structures. 2022 , 15, 7032	1
40	Application of nanoarchitectonics in moist-electric generation. 13, 1185-1200	0
39	Hydro/Hygrothermal Behavior of Plant Fibers and Its Influence on Bio-Composite Properties.	0
38	Elaboration and Characterization of a Plaster Reinforced with Fibers from the Stem of <i>Cola lepidota</i> for Industrial Applications. 2022 , 10, 824-842	1
37	Preparation and Characterization of Alginate Hydrogel Fibers Reinforced by Cotton for Biomedical Applications. 2022 , 14, 4707	0
36	Electrospun polyurethane fiber mats coated with fish collagen layer to improve cellular affinity for skin repair. 2022 , e00523	0
35	Study of chemically treated natural plant fibers in soil reinforcement technology: A review. 2022 ,	0
34	Renewed interest in biopolymer composites: incorporation of renewable, plant-sourced fibers.	0
33	Agricultural Biomass-Based Power Generation Potential in Sri Lanka: A Techno-Economic Analysis. 2022 , 15, 8984	3
32	Mechanical, wear, thermal and hydrophobic behavior of novel alkali-silane treated palmyra sprout fiber and red matta biosilica epoxy biocomposite.	0
31	Mechanical and acoustic properties of alkali treated agricultural waste reinforced sustainable polyurethane composites. 073168442211476	0
30	3D Natural Fiber Reinforced Composites. 2023 , 41-78	0
29	Dynamic mechanical properties and ageing studies of coir-sisal yarn reinforced polypropylene commingled composites. 2023 , 31, 096739112211501	0
28	Excellent mechanical and chemical resistance properties exhibited by bamboo fiber reinforced poly(lactic acid) - epoxy composites. 2023 , 30,	0
27	Mechanical and Thermal Properties of Bamboo Fiber Reinforced PLA Polymer Composites: A Critical Study. 2022 , 2022, 1-15	1
26	Chemical modification of cellulose fiber surface. 2023 , 63-72	0

- 25 Processing technologies of polymer composites and fundamental issues related to polylactide composites processing. **2023**, 25-67 ○
- 24 Morphological study on composite materials developed through reinforcing natural and synthetic woven fabrics from glass and hemp. **2023**, 1266, 012011 ○
- 23 Prospective utilization of water hyacinth and sugarcane plant wastes into a promising nonwoven biomaterial: development and improvement of their physico-mechanical properties. 1
- 22 Lignocellulosic biowaste for composite applications. **2023**, 639-678 ○
- 21 Drilling Parameters and Post-Drilling Residual Tensile Properties of Natural-Fiber-Reinforced Composites: A Review. **2023**, 7, 136 ○
- 20 Effects of organically-modified montmorillonite and alkalization on physical, mechanical, chemical, morphological, and thermal properties of wheat straw/recycled polypropylene nanocomposites. 002199832311689 ○
- 19 Application of natural fibres in cement concrete: A critical review. **2023**, 35, 105833 ○
- 18 Design of a friction material for brake pads based on rice husk and its derivatives. **2023**, 526-527, 204893 ○
- 17 A review on the performance of natural fiber in cementitious composites: Characteristics and application challenges. **2023**, 71, 106481 ○
- 16 Micro-Fibrillated Cellulose Prepared from Sorghum Bicolor (L.) Moench by TEMPO-Mediated Oxidation Treatment. **2023**, 9-16 ○
- 15 Effect of alkaline treatment on the single natural fiber strength using Weibull analysis probabilistic model. **2023**, ○
- 14 Alkaline Degradation of Plant Fiber Reinforcements in Geopolymer: A Review. **2023**, 28, 1868 1
- 13 Plant fiber-reinforced polymer composites: a review on modification, fabrication, properties, and applications. ○
- 12 Recent advances on improving the mechanical and thermal properties of kenaf fibers/engineering thermoplastic composites using novel coating techniques: a review. 1-27 1
- 11 The Effect of Various Environmental Conditions on the Impact Damage Behaviour of Natural-Fibre-Reinforced Composites (NFRCs) A Critical Review. **2023**, 15, 1229 ○
- 10 Investigation of LCD 3D Printing of Carbon Fiber Composites by Utilising Central Composite Design. **2023**, 7, 58 ○
- 9 Recent Advances in Natural Fibre-Based Materials for Food Packaging Applications. **2023**, 15, 1393 ○
- 8 Properties of polybutylene succinate and polybutylene succinate -polycaprolactone based composite reinforced with coconut shell particles. 1-26 ○

- 7 Ecocomposites Based on High-Impact Polystyrene (HIPS) and Amazon Açaí (Euterpe oleracea) Fibers: Influence of NaOH Treatment on Its Structural, Thermal, and Mechanical Properties. **2023**, 59, 147-158 ○
- 6 A Comparative Study of the Effect of Natural Fillers Embedded in Jute/Basalt Hybrid Composite. 1082, 15-24 ○
- 5 Influence of alkali treatment on the interfacial shear strength of Agave lechuguilla fiber and its significance as a reinforcing material in polymer composites for mechanical applications. ○
- 4 A comprehensive review of natural fiber reinforced composite and their modern application. **2023**, ○
- 3 The effect of fiber stacking sequence on mechanical and morphological behavior of paddy straw/pineapple leaf fiber-reinforced ortho-laminated polyester hybrid composites. 095440892311659 ○
- 2 Effects of nanoclay cloisite 20A and alkali treatments on structure-property relationships of bagasse/recycled polypropylene nanocomposites. 089270572311708 ○
- 1 Thermogravimetric analysis of flax, jute, and UHMWPE fibers and their composites with melamine and phenol formaldehyde resins. **2023**, 10, ○