

# CITATION REPORT

List of articles citing

## Biofiber-reinforced polypropylene composites

DOI: 10.1002/pen.11691

Polymer Engineering and Science, 1997, 37, 476-483.

**Source:** <https://exaly.com/paper-pdf/28678069/citation-report.pdf>

**Version:** 2024-04-28

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

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

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 380 | Reactive compatibilization in polymer alloys, recyclates and composites. <b>1999</b> , 151, 190-195   |     | 12        |
| 379 | Preparation and Characterization of a Novel Polyethylene- <i>Chlorella</i> Composite. <b>1999</b> , 11, 1952-1956   |     | 19        |
| 378 | Bagasse Fiber-Polypropylene Based Composites. <b>1999</b> , 12, 477-497   |     | 88        |
| 377 | Structure and mechanical properties of isotactic polypropylene and iPP/talc blends functionalized by electron beam irradiation. <b>2000</b> , 49, 1389-1394   |     | 27        |
| 376 | A novel polyethylene- <i>Chlorella</i> composite. I. Characterization of <i>Chlorella</i> biologically fixing CO <sub>2</sub> . <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 77, 2278-2284 | 2.9 | 13        |
| 375 | Kapok/cotton fabric-polypropylene composites. <b>2000</b> , 19, 905-918   |     | 77        |
| 374 | Influence of Water on Properties of Cellulosic Fibre Reinforced Polypropylene Composites. <b>2000</b> , 47, 667-674   |     | 14        |
| 373 | Surface modifications of natural fibers and performance of the resulting biocomposites: An overview. <i>Composite Interfaces</i> , <b>2001</b> , 8, 313-343   | 2.3 | 700       |
| 372 | Polypropylene/wood flour composites: treatments and properties. <b>2001</b> , 54, 207-214   |     | 334       |
| 371 | Flow-induced fiber orientation in injection molded fit fiber reinforced polypropylene. <i>Polymer Composites</i> , <b>2001</b> , 22, 680-689  | 3   | 21        |
| 370 | Processing and Properties of Polypropylene Composites with High Filler Content. <i>Polymers and Polymer Composites</i> , <b>2002</b> , 10, 173-182  | 0.8 | 6         |
| 369 | Mechanical properties of wood flake-polyethylene composites. II. Interface modification. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 83, 2505-2521  | 2.9 | 104       |
| 368 | Preparation and mechanical properties of composite of fibrous cellulose and maleated polyethylene. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 84, 1971-1980                              | 2.9 | 53        |
| 367 | Surface chemical modification of natural cellulose fibers. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 83, 38-45  | 2.9 | 166       |
| 366 | Materials selection combined with optimal structural design: concept and some results. <b>2002</b> , 23, 459-470  |     | 55        |
| 365 | Production of leather-like composites using short leather fibers. II. Mechanical characterization. <i>Polymer Composites</i> , <b>2002</b> , 23, 991-1002   | 3   | 10        |
| 364 | Thermal and thermomechanical properties of biocomposites made from modified recycled cellulose and recycled polypropylene. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 89, 2353-2360      | 2.9 | 85        |

|     |  |     |     |
|-----|--|-----|-----|
| 363 | Crystallization and melting behaviors of maleated polyethylene and its composite with fibrous cellulose. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 89, 3292-3300                                   | 2.9 | 11  |
| 362 | Novel pulp fibre reinforced thermoplastic composites. <i>Composites Science and Technology</i> , <b>2003</b> , 63, 137-152   | 8.6 | 84  |
| 361 | Effects of fibre treatment on wettability and mechanical behaviour of flax/polypropylene composites. <i>Composites Science and Technology</i> , <b>2003</b> , 63, 1247-1254  | 8.6 | 341 |
| 360 | Heterogeneous acylation of flax fibers. Reaction kinetics and surface properties. <b>2003</b> , 4, 821-7   |     | 45  |
| 359 | Mechanical Behavior of Wood/Polypropylene Composites: Effects of Fibre Treatments and Ageing Processes. <b>2003</b> , 22, 37-50  |     | 81  |
| 358 | Morphology and mechanical properties of reconstituted wood board waste-polyethylene composites. <i>Composite Interfaces</i> , <b>2003</b> , 10, 319-341  | 2.3 | 18  |
| 357 | Compositos termoplásticos com madeira. <b>2003</b> , 13, 154-165   |     | 34  |
| 356 | Rheology of Highly Filled Polypropylenes Prepared with Surface Treated Fillers. <i>Polymers and Polymer Composites</i> , <b>2003</b> , 11, 541-550   | 0.8 | 2   |
| 355 | Improvement of interfacial adhesion between wood and polypropylene in wood-polypropylene composites. <b>2004</b> , 18, 1603-1612   |     | 16  |
| 354 | Lignocellulosic composite. <b>2004</b> , 15, 738-745   |     | 21  |
| 353 | A systematic investigation on the influence of the chemical treatment of natural fibers on the properties of their polymer matrix composites. <i>Polymer Composites</i> , <b>2004</b> , 25, 470-479                | 3   | 95  |
| 352 | Deformation mechanisms and mechanical properties of modified polypropylene/wood fiber composites. <i>Polymer Composites</i> , <b>2004</b> , 25, 521-526  | 3   | 87  |
| 351 | A low-cost, low-fiber-breakage, injection molding process for long sisal fiber reinforced polypropylene. <i>Polymer Engineering and Science</i> , <b>2004</b> , 44, 1766-1772                                      | 2.3 | 20  |
| 350 | Synthesis and tensile properties of a novel composite of Chlorella and polyethylene. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 812-816   | 2.9 | 40  |
| 349 | Modified polypropylene wood flour composites. II. Fracture, deformation, and mechanical properties. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 1286-1292  | 2.9 | 66  |
| 348 | Alkali-methanol-antraquinone pulping of Miscanthus x giganteus for thermoplastic composite reinforcement. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 2132-2143                                  | 2.9 | 9   |
| 347 | Effect of epolene E-43 as a compatibilizer on the mechanical properties of palm fiber-poly(propylene) composites. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 2581-2592                          | 2.9 | 20  |
| 346 | The effect of maleic anhydride modified polypropylene on the mechanical properties of feather fiber, kraft pulp, polypropylene composites. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 3771-3783 | 2.9 | 79  |

|     |   |     |     |
|-----|---|-----|-----|
| 345 | A Review on Pineapple Leaf Fibers, Sisal Fibers and Their Biocomposites. <b>2004</b> , 289, 955-974   |     | 272 |
| 344 | Impact fracture behavior of modified polypropylene/wood fiber composites. <b>2004</b> , 23, 581-589   |     | 97  |
| 343 | Preparation and characterization of jute- and flax-reinforced starch-based composite foams. <b>2004</b> , 58, 53-63   |     | 142 |
| 342 | Thermoplastic Wood Fiber Composites. <b>2005</b> ,  |     | 2   |
| 341 | Flame retardancy of biodegradable polymers and biocomposites. <b>2005</b> , 88, 138-145   |     | 100 |
| 340 | Composites of allyl glycidyl ether modified polyethylene and cellulose. <b>2005</b> , 46, 3289-3299   |     | 9   |
| 339 | Preparation and properties of cellulose-olefinic thermoplastic elastomer composites. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 95, 144-148  | 2.9 | 13  |
| 338 | Modified polyester resins for natural fibre composites. <i>Composites Science and Technology</i> , <b>2005</b> , 65, 525-535  | 8.6 | 192 |
| 337 | Rheology of cocoa-pod husk aqueous system. Part-I: steady state flow behavior. <b>2005</b> , 45, 72-76  |     | 3   |
| 336 | Fabrication Mechanical Properties of Unidirectional Jute/PP Composites Using Jute Yarns by Film Stacking Method. <b>2005</b> , 13, 115-126  |     | 57  |
| 335 | Effect of bagasse fiber on the flexural properties of biodegradable composites. <i>Polymer Composites</i> , <b>2005</b> , 26, 689-694   | 3   | 38  |
| 334 | Injection molding of long sisal fiber-reinforced polypropylene: Effects of compatibilizer concentration and viscosity on fiber adhesion and thermal degradation. <i>Polymer Engineering and Science</i> , <b>2005</b> , 45, 613-621 | 2.3 | 30  |
| 333 | Use of preimpregnated sisal yarn in woven reinforced polypropylene sheets: Thermoformability and mechanical properties. <i>Polymer Engineering and Science</i> , <b>2005</b> , 45, 976-983  | 2.3 |     |
| 332 | Compositos de HDPE com resíduos de fibras têxteis. Parte I: caracterizaçã mecânica. <b>2005</b> , 15, 171-175   |     | 4   |
| 331 | Chemical treatment for improving wettability of biofibres into thermoplastic matrices. <i>Composite Interfaces</i> , <b>2005</b> , 12, 725-738  | 2.3 | 10  |
| 330 | Influence of Epolene G-3003 as a Coupling Agent on the Mechanical Behavior of Palm Fiber-Polypropylene Composites. <b>2005</b> , 54, 483-503  |     | 20  |
| 329 | Interface Modification and Mechanical Properties of Natural Fiber-Polyolefin Composite Products. <b>2005</b> , 24, 121-130  |     | 155 |
| 328 | Mechanical properties of flax fibre/polypropylene composites. Influence of fibre/matrix modification and glass fibre hybridization. <b>2005</b> , 36, 1637-1644   |     | 246 |

|     |  |     |     |
|-----|--|-----|-----|
| 327 | Surface Modification of Cellulose by Radiation Pretreatments with Organo-Silicone Monomer. <b>2005</b> , 44, 833-846   |     | 10  |
| 326 | A Review on Natural Fibre-Based CompositesâPart II. <i>Journal of Natural Fibers</i> , <b>2005</b> , 1, 23-65  | 1.8 | 244 |
| 325 | Mechanical and Electrical Properties of Coconut Coir Fiber-Reinforced Polypropylene Composites. <b>2005</b> , 44, 619-632  |     | 90  |
| 324 | Polymeric materials for impact and energy dissipation. <b>2006</b> , 35, 260-267   |     | 31  |
| 323 | A novel processing technique for thermoplastic manufacturing of unidirectional composites reinforced with jute yarns. <b>2006</b> , 37, 2274-2284  |     | 131 |
| 322 | Contributions of feather fibers and various cellulose fibers to the mechanical properties of polypropylene matrix composites. <i>Composites Science and Technology</i> , <b>2006</b> , 66, 102-114 | 8.6 | 85  |
| 321 | Functionalization, compatibilization and properties of polypropylene composites with Hemp fibres. <i>Composites Science and Technology</i> , <b>2006</b> , 66, 2218-2230                           | 8.6 | 244 |
| 320 | Lightweight laminate composites made from kenaf and polypropylene fibres. <b>2006</b> , 25, 142-148  |     | 84  |
| 319 | Thermal and crystallization studies of short flax fibre reinforced polypropylene matrix composites: Effect of treatments. <b>2006</b> , 440, 111-121   |     | 172 |
| 318 | Jute/polypropylene composites I. Effect of matrix modification. <i>Composites Science and Technology</i> , <b>2006</b> , 66, 952-963   | 8.6 | 278 |
| 317 | Dynamic-mechanical analysis and SEM morphology of wood flour/polypropylene composites. <b>2006</b> , 17, 315-318   |     | 24  |
| 316 | Biocomposites synthesized from chemically modified soy oil and biofibers. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 69-75   | 2.9 | 48  |
| 315 | Study of the flexural modulus of natural fiber/polypropylene composites by injection molding. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 911-917                               | 2.9 | 25  |
| 314 | Flour rice husk as filler in block copolymer polypropylene: Effect of different coupling agents. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 99, 1823-1831                           | 2.9 | 72  |
| 313 | The Influence of Excess Coupling Agent on the Microdeformation Processes and Mechanical Properties of Poly(propylene)/Wood-Flour Composites. <b>2006</b> , 291, 677-683                            |     | 29  |
| 312 | Hemp Strands: PP Composites by Injection Molding: Effect of Low Cost Physico-chemical Treatments. <b>2006</b> , 25, 313-327  |     | 35  |
| 311 | Studies on the Physicomechanical Properties of Sodium Periodate Oxidized Jute Reinforced Polypropylene (PP) Composites. <b>2007</b> , 46, 385-391  |     | 14  |
| 310 | Synthesis and Properties of Recycled Paper-Nano-Clay-Reinforced Epoxy Eco-Composites. <b>2007</b> , 334-335, 609-612   |     | 5   |

|     |  |     |     |
|-----|--|-----|-----|
| 309 | Moisture Absorption Behavior of Palm/Polypropylene Composites in Distilled Water and Sea Water. <b>2007</b> , 56, 43-53  |     | 4   |
| 308 | Injection Molded Solid and Microcellular Polylactide Compounded with Recycled Paper Shopping Bag Fibers. <b>2007</b> , 22, 436-445   |     | 33  |
| 307 | Composites from Bast Fibres-Prospects and Potential in the Changing Market Environment. <i>Journal of Natural Fibers</i> , <b>2007</b> , 4, 91-109   | 1.8 | 60  |
| 306 | Compatibilizing Effect of Maleic Anhydride Grafted Styrene-Ethylene-Butylene-Styrene (MAH-g-SEBS) on the Polypropylene and Wood Fiber Composites. <b>2007</b> , 26, 1743-1752  |     | 10  |
| 305 | Vetiverâpolypropylene composites: Physical and mechanical properties. <b>2007</b> , 38, 590-601  |     | 45  |
| 304 | Mechanical properties of woodâfiber reinforced polypropylene composites: Effect of a novel compatibilizer with isocyanate functional group. <b>2007</b> , 38, 227-233  |     | 295 |
| 303 | Mechanical and fracture properties of cellulose-fibre-reinforced epoxy laminates. <b>2007</b> , 38, 963-974  |     | 86  |
| 302 | Composites from SawdustâRice Husk Fibers. <b>2007</b> , 46, 441-446  |     | 1   |
| 301 | Influence of Interfacial Interaction on the Foamability of Wood Fiber/HDPE Composites. <b>2007</b> ,   |     |     |
| 300 | Poly (butyl acrylate)-Modified Cellulose Fibres for Toughening WPC. <b>2007</b> ,  |     |     |
| 299 | Moisture diffusion into palm/polypropylene composites in sodium chloride solutions. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 106, 2575-2579   | 2.9 | 2   |
| 298 | Experimental characterization of woven jute-fabric-reinforced isothalic polyester composites. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 2650-2662   | 2.9 | 46  |
| 297 | Poly(3-hydroxybutyrate-co-3-hydroxyvalerate)-based biocomposites reinforced with kenaf fibers. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 3192-3200  | 2.9 | 91  |
| 296 | Thermal, morphological, and electrical characterization of microwave processed natural fiber composites. <i>Composites Science and Technology</i> , <b>2007</b> , 67, 1986-1991  | 8.6 | 64  |
| 295 | Bio-composite of bacterial poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) reinforced with vegetable fibers. <i>Composites Science and Technology</i> , <b>2007</b> , 67, 2085-2094  | 8.6 | 80  |
| 294 | Synthesis and Preparation of Crosslinked Allylglycidyl Ether-Modified Starch-Wood Fibre Composites. <b>2007</b> , 59, 523-532  |     | 23  |
| 293 | Polymer composites with cellulose microfibrils. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1228-1234   | 2.3 | 50  |
| 292 | The effect of epoxy-polyester hybrid resin on mechanical properties, rheological behavior, and water absorption of polypropylene wood flour composites. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 2041-2048 | 2.3 | 11  |

|     |  |     |     |
|-----|--|-----|-----|
| 291 | The Effect of Fiber Pretreatment and Compatibilizer on Mechanical and Physical Properties of Flax Fiber-Polypropylene Composites. <b>2008</b> , 16, 74-82  |     | 62  |
| 290 | Rheological and mechanical properties of wood fiber-PP/PE blend composites. <b>2008</b> , 19, 315-318  |     | 25  |
| 289 | Influence of m-isopropenyl- $\beta$ -dimethylbenzyl isocyanate grafted polypropylene on the interfacial interaction of wood-flour/polypropylene composites. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 109, 3080-3086 | 2.9 | 25  |
| 288 | Effects of silane and MAPE coupling agents on the properties and interfacial adhesion of wood-filled PVC/LDPE blend. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 108, 3523-3530  | 2.9 | 22  |
| 287 | Poly(lactic acid)-based biocomposites reinforced with kenaf fibers. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 108, 3542-3551   | 2.9 | 116 |
| 286 | Jute fiber reinforced polypropylene produced by continuous extrusion compounding, part 1: Processing and ageing properties. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 1009-1018                                 | 2.9 | 25  |
| 285 | Mechanical properties of polypropylene/natural fiber composites: Comparison of wood fiber and cotton fiber. <b>2008</b> , 27, 801-806  |     | 160 |
| 284 | Effect of fiber surface-treatments on the properties of laminated biocomposites from poly(lactic acid) (PLA) and kenaf fibers. <i>Composites Science and Technology</i> , <b>2008</b> , 68, 424-432                                  | 8.6 | 522 |
| 283 | Modelling the application of wood fibre reinforcements within liquid composite moulding processes. <b>2008</b> , 39, 624-639   |     | 20  |
| 282 | Investigations on mechanical properties of poly(propylene) and poly(lactic acid) reinforced by miscanthus fibers. <b>2008</b> , 39, 1444-1454  |     | 97  |
| 281 | Characterization of natural fiber surfaces and natural fiber composites. <b>2008</b> , 39, 1632-1637   |     | 549 |
| 280 | Mechanical Properties of Natural Fiber Containing Polymer Composites. <b>2008</b> , 48, 110-113  |     | 10  |
| 279 | Effects of Chemical Treatments on Mechanical and Physical Properties of Flax Fiber-reinforced Composites. <b>2008</b> , 15, 43-58  |     | 12  |
| 278 | Natural-fiber composites in the automotive sector. <b>2008</b> , 221-268   |     | 49  |
| 277 | Effect of Silane Coupling Agent and Compatibilizer on Properties of Short Rossells Fiber/Poly(propylene) Composites. <b>2008</b> , 264, 67-72  |     | 4   |
| 276 | Modification of Wood Flour Surfaces by Esterification with Acid Chlorides: Use in HDPE/Wood Flour Composites. <i>Composite Interfaces</i> , <b>2009</b> , 16, 671-686  | 2.3 | 9   |
| 275 | Visualization of interfacial zones in lyocell fiber-reinforced polypropylene composite by AFM contrast imaging based on phase and thermal conductivity measurements. <b>2009</b> , 63,   |     | 7   |
| 274 | Effect of fiber/matrix chemical modification on the mechanical properties and water absorption of extruded flax/polypropylene composite. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 111, 2279-2289                    | 2.9 | 18  |

|     |   |     |     |
|-----|---|-----|-----|
| 273 | Benefits of low kenaf loading in biobased composites of poly(L-lactide) and kenaf fiber. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 1294-1301   | 2.9 | 22  |
| 272 | Lignin in jute fabricâpolypropylene composites. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 1480-1487.   | 2.9 | 24  |
| 271 | Cellulose/syndiotactic polypropylene composites: Effects of maleated polypropylene as a compatibilizer and silanized cellulose on the morphology and tensile properties. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 2022-2029 | 2.9 | 12  |
| 270 | Recycled multilayer cartons as cellulose source in HDPE-based composites: Compatibilization and structure-properties relationships. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 2978-2985                                      | 2.9 | 20  |
| 269 | Effects of material compositions on the mechanical properties of woodâplastic composites manufactured by injection molding. <b>2009</b> , 30, 3489-3496   |     | 79  |
| 268 | Pretreatments of natural fibers and their application as reinforcing material in polymer compositesâA review. <i>Polymer Engineering and Science</i> , <b>2009</b> , 49, 1253-1272  | 2.3 | 891 |
| 267 | Influence of MA-g-PP on abrasive wear behaviour of chopped sisal fibre reinforced polypropylene composites. <b>2009</b> , 209, 5371-5375  |     | 66  |
| 266 | Characterisation and utilization of natural coconut fibres composites. <b>2009</b> , 30, 2741-2744  |     | 89  |
| 265 | Tensile behaviours of the coir fibre and related composites after NaOH treatment. <b>2009</b> , 30, 3931-3934   |     | 177 |
| 264 | Effect of glass fiber hybridization on properties of sisal fiberâpolypropylene composites. <i>Composites Part B: Engineering</i> , <b>2009</b> , 40, 623-627  | 10  | 233 |
| 263 | Influence of wood flour moisture content on the degree of silane-crosslinking and its relationship to structureâproperty relations of woodâthermoplastic composites. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 1045-1050   | 8.6 | 19  |
| 262 | Surface functionalisation of bacterial cellulose as the route to produce green polylactide nanocomposites with improved properties. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 2724-2733  | 8.6 | 164 |
| 261 | Unusual Tuning of Mechanical Properties of Isotactic Polypropylene Using Counteraction of Shear Flow and ÆNucleating Agent on ÆForm Nucleation. <i>Macromolecules</i> , <b>2009</b> , 42, 4343-4348   | 5.5 | 183 |
| 260 | Fabrication and Properties of Recycled Cellulose Fibre-Reinforced Epoxy Composites. <i>Composite Interfaces</i> , <b>2009</b> , 16, 659-669   | 2.3 | 50  |
| 259 | Studies of different kinds of fiber pretreating on the properties of PLA/sweet sorghum fiber composites. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 117, NA-NA   | 2.9 | 1   |
| 258 | The effect of maleated polylactic acid (PLA) as an interfacial modifier in PLA-talc composites. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, 2810-2820  | 2.9 | 60  |
| 257 | Silkworm silk/poly(lactic acid) biocomposites: Dynamic mechanical, thermal and biodegradable properties. <b>2010</b> , 95, 1978-1987  |     | 54  |
| 256 | Properties of unidirectional kenaf fiberâpolyolefin laminates. <i>Polymer Composites</i> , <b>2010</b> , 31, 1067-1074  | 3   | 24  |



|     |   |     |     |
|-----|---|-----|-----|
| 255 | Influence of Compatibiliser and Wood Flour on the Non-Isothermal Crystallisation Behaviour of Polypropylene Composites. <i>Polymers and Polymer Composites</i> , <b>2010</b> , 18, 37-44                              | 0.8 | 1   |
| 254 | Preparation of Polymer Composites using Natural Fiber and their Physico-Mechanical Properties. <b>2010</b> , 45, 117-122  |     | 5   |
| 253 | The Influence of Oligomeric Siloxane Concentration on the Mechanical Behaviors of Alkalized Jute/Modified Epoxy Composites. <b>2010</b> , 29, 807-817   |     | 42  |
| 252 | The Mechanical Properties of $\gamma$ Methacryloxypropyltrimethoxy silane-treated Jute/Polyester Composites. <b>2010</b> , 44, 1913-1924  |     | 66  |
| 251 | Potential use of natural fiber composite materials in India. <b>2010</b> , 29, 3600-3613  |     | 107 |
| 250 | Structure and engineering of celluloses. <b>2010</b> , 64, 25-116   |     | 107 |
| 249 | Competitive Growth of $\beta$ and $\alpha$ Crystals in $\beta$ Nucleated Isotactic Polypropylene under Shear Flow. <i>Macromolecules</i> , <b>2010</b> , 43, 6760-6771  | 5.5 | 119 |
| 248 | A Review on the Natural Fiber-Reinforced Polymer Composites for the Development of Roselle Fiber-Reinforced Polyester Composite. <i>Journal of Natural Fibers</i> , <b>2010</b> , 7, 307-323                          | 1.8 | 88  |
| 247 | Silane-crosslinking of recycled low-density polyethylene/wood composites. <b>2010</b> , 41, 678-683   |     | 33  |
| 246 | Reinforcing effects of Kevlar fiber on the mechanical properties of wood-flour/high-density-polyethylene composites. <b>2010</b> , 41, 1272-1278  |     | 72  |
| 245 | Studies on mechanical properties of wood fiber reinforced cross-linked starch composites made from enzymatically degraded allylglycidyl ether-modified starch. <b>2010</b> , 41, 1409-1418                            |     | 12  |
| 244 | Effects of two modification methods on the mechanical properties of wood flour/recycled plastic blends composites: addition of thermoplastic elastomer SEBS-g-MAH and in-situ grafting MAH. <b>2010</b> , 21, 373-378 |     | 6   |
| 243 | Functionalization, Compatibilization and Properties of Polyolefin Composites with Natural Fibers. <b>2010</b> , 2, 554-574  |     | 109 |
| 242 | Dynamic rheology, mechanical performance, shrinkage, and morphology of chemically coupled talc-filled polypropylene. <b>2010</b> , 16, 70-77  |     | 27  |
| 241 | Carbon Dioxide Induced Crystallization for Toughening Polypropylene. <b>2011</b> , 50, 9632-9641  |     | 22  |
| 240 | Preparation and Characterization of Polypyrrole-Modified Henequen Fiber-Reinforced Polymethylmethacrylate Composites. <b>2011</b> , 50, 1281-1287   |     | 7   |
| 239 | Greener Surface Treatments of Natural Fibres for the Production of Renewable Composite Materials. <b>2011</b> , 155-178   |     | 21  |
| 238 | Environment Benevolent Biodegradable Polymers: Synthesis, Biodegradability, and Applications. <b>2011</b> , 425-451   |     | 5   |

|     |   |     |     |
|-----|---|-----|-----|
| 237 | Biodegradable PVOH-based foams for packaging applications. <b>2011</b> , 47, 271-281  |     | 31  |
| 236 | Cellulose Fibers: Bio- and Nano-Polymer Composites. <b>2011</b> ,   |     | 164 |
| 235 | Biofibers. <b>2011</b> , 323-365  |     | 9   |
| 234 | Electrical and Electromechanical Properties of Cellulose-Polypyrrole-Ionic Liquid Nanocomposite: Effect of Polymerization Time. <b>2011</b> , 10, 445-450   |     | 8   |
| 233 | Comparison of the effect of mica and talc and chemical coupling on the rheology, morphology, and mechanical properties of polypropylene composites. <b>2011</b> , 22, 942-950   |     | 34  |
| 232 | Green composites: An overview. <i>Polymer Composites</i> , <b>2011</b> , 32, 1905-1915  | 3   | 340 |
| 231 | Effect of chemical structure of silane coupling agent on interface adhesion properties of syndiotactic polypropylene/cellulose composite. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 1732-1741 <sup>29</sup>                              |     | 32  |
| 230 | Interface adhesion properties of syndiotactic polypropylene/cellulose group composite: Relationship between chemical structure of coupling agent and reactivity for cellulose group. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 2798-2806 | 2.9 | 8   |
| 229 | Biocomposites from <i>Musa textilis</i> and polypropylene: Evaluation of flexural properties and impact strength. <i>Composites Science and Technology</i> , <b>2011</b> , 71, 122-128  | 8.6 | 49  |
| 228 | Static bending and impact behaviour of areca fibers composites. <b>2011</b> , 32, 2469-2475   |     | 57  |
| 227 | Kenaf fiber reinforced composites: A review. <b>2011</b> , 32, 4107-4121  |     | 761 |
| 226 | The effect of processing methods on some properties of rice husk-polypropylene composite: A preliminary report. <b>2011</b> ,   |     |     |
| 225 | Effects of fiber loading, fiber type, its mesh sizes, and coupling agent on the properties of oil palm biomass/polypropylene composites. <b>2011</b> , 45, 2165-2171  |     | 8   |
| 224 | Torque Rheological Properties of Bamboo Flour/PP Composites. <b>2011</b> , 391-392, 138-142   |     |     |
| 223 | Improving the Interfacial Adhesion of Highly Filled PP/Bagasse Composites Designed by Taguchi Method. <b>2011</b> , 24, 431-446   |     | 10  |
| 222 | Design of an Eco-Power Automobile Body Made from Green Composite and its Structural Optimization in FEA. <b>2011</b> , 287-290, 405-409   |     | 2   |
| 221 | Influence of Extruder Conditions on Mechanical Properties of Polypropylene Nanocomposites Reinforced with Rice Straw Micro/Nano Fibrils. <b>2011</b> , 236-238, 1877-1880   |     |     |
| 220 | The Effects of Rattan Filler Loadings on Mechanical Properties and Morphological Study of Rattan Powder Filled-Polypropylene Composites. <b>2012</b> , 626, 1010-1014   |     | 2   |

|     |   |     |    |
|-----|---|-----|----|
| 219 | Effects of Caesar Weed ( <i>Urena lobata</i> L) Fibre, Afara ( <i>Terminalia superba</i> ) and Mahogany ( <i>Khaya senegalensis</i> ) Dusts on some Physical and Mechanical Properties of Epoxy Resin. <b>2012</b> , 7, 21-33 |     |    |
| 218 | Improving Tensile Properties of Kenaf Fibers Treated with Sodium Hydroxide. <b>2012</b> , 41, 1587-1592   |     | 89 |
| 217 | Effect of Surface Treatment on Betel Nut ( <i>Areca catechu</i> ) Fiber in Polypropylene Composite. <b>2012</b> , 20, 501-506   |     | 25 |
| 216 | Novel polypropylene/inorganic fullerene-like WS <sub>2</sub> nanocomposites containing a nucleating agent: isothermal crystallization and melting behavior. <b>2012</b> , 116, 1788-95  |     | 20 |
| 215 | Novel bio-commingled composites based on jute/polypropylene yarns: Effect of chemical treatments on the mechanical properties. <b>2012</b> , 43, 219-230  |     | 41 |
| 214 | Biocomposites based on cellulose acetate and short curau fibers: Effect of plasticizers and chemical treatments of the fibers. <b>2012</b> , 43, 1338-1346  |     | 28 |
| 213 | PP composites based on mechanical pulp, deinked newspaper and jute strands: A comparative study. <i>Composites Part B: Engineering</i> , <b>2012</b> , 43, 3453-3461  | 10  | 46 |
| 212 | Hierarchical composites reinforced with robust short sisal fibre preforms utilising bacterial cellulose as binder. <i>Composites Science and Technology</i> , <b>2012</b> , 72, 1479-1486                                     | 8.6 | 69 |
| 211 | Polymer/Wood Composites. <b>2012</b> , 1  |     |    |
| 210 | Modifications of kenaf fibers with N-methylol acrylamide for production of kenaf-unsaturated polyester composites. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 2846-2853                                   | 2.9 | 15 |
| 209 | Effect of antioxidants and fire retardants as mineral fillers on the physical and mechanical properties of high loading hybrid biocomposites reinforced with rice husks and sawdust. <b>2012</b> , 40, 96-102                 |     | 51 |
| 208 | Chemically induced graft copolymerization of acrylonitrile onto lignocellulosic fibers. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, 1891-1898  | 2.9 | 17 |
| 207 | Investigation on the compatibilizing effect of m-isopropenyl- <i>tert</i> -butyl dimethylbenzyl isocyanate grafted polypropylene on polypropylene and wood flour composites. <b>2012</b> , 46, 257-270                        |     | 18 |
| 206 | Effect of exfoliated graphite nanoplatelets on the mechanical and viscoelastic properties of poly(lactic acid) biocomposites reinforced with kenaf fibers. <b>2012</b> , 47, 3535-3543  |     | 34 |
| 205 | The influence of wood flour and compatibilizer (m-TMI-g-PP) on crystallization and melting behavior of polypropylene. <b>2012</b> , 107, 717-723  |     | 3  |
| 204 | Polyolefin composites with natural fibers and wood-modification of the fiber/filler-matrix interaction. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 1-17   | 2.9 | 99 |
| 203 | Investigation of vegetable-oil-based coupling agents for kenaf-fiber-reinforced unsaturated polyester composites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 1101-1109                                    | 2.9 | 19 |
| 202 | Influence of surface treatments on the physicochemical properties of short sisal fibers: Ethylene vinyl acetate composites. <i>Polymer Engineering and Science</i> , <b>2013</b> , 53, 59-68                                  | 2.3 | 17 |

|     |  |     |    |
|-----|--|-----|----|
| 201 | Investigation of acrylamide-modified melamine-formaldehyde resins as a compatibilizer for kenaf-unsaturated polyester composites. <i>Polymer Engineering and Science</i> , <b>2013</b> , 53, 1605-1613 | 2-3 | 7  |
| 200 | Effect of concentration of coupling agent on mechanical properties of coir/polypropylene composite. <b>2013</b> , 10, 62-67  |     | 4  |
| 199 | Dynamic mechanical thermal behavior analysis of doum fibers reinforced polypropylene composites. <b>2013</b> , 51, 780-788   |     | 87 |
| 198 | Mechanical properties of eco-friendly recycled polymer composites: a comparative study of theoretical and experimental results. <b>2013</b> , 17, 75-93  |     | 5  |
| 197 | The morphology and mechanical properties of PP/EPDM/nano-CaCO <sub>3</sub> composites: effect of initial mixing state. <b>2013</b> , 70, 2935-2952   |     | 8  |
| 196 | Ultrasonic testing of natural fibre polymer composites: effect of fibre content, humidity, stress on sound speed and comparison to glass fibre polymer composites. <b>2013</b> , 70, 371-390           |     | 13 |
| 195 | Environmental Effects, Biodegradation, and Life Cycle Analysis of Fully Biodegradable "Green" Composites. <b>2013</b> , 515-568  |     | 8  |
| 194 | Morphological, structural and thermal characterization of acetic acid modified and unmodified napier grass fiber strands. <b>2013</b> ,  |     | 3  |
| 193 | Biocomposites from hydrolyzed waste proteinaceous biomass: mechanical, thermal and moisture absorption performances. <b>2013</b> , 1, 13186  |     | 31 |
| 192 | Dielectric behaviour of PP/jute yarn commingled composites: Effect of fibre content, chemical treatments, temperature and moisture. <b>2013</b> , 47, 12-21  |     | 54 |
| 191 | Characterisation of flax polypropylene composites using ultrasonic longitudinal sound wave technique. <i>Composites Part B: Engineering</i> , <b>2013</b> , 45, 1164-1172                              | 10  | 38 |
| 190 | Effects of interfacial modification and fiber content on physical properties of sisal fiber/polypropylene composites. <i>Composites Part B: Engineering</i> , <b>2013</b> , 45, 544-549                | 10  | 98 |
| 189 | Studies on crystallization kinetics, microstructure and mechanical properties of different short carbon fiber reinforced polypropylene (SCF/PP) composites. <b>2013</b> , 20, 1                        |     | 31 |
| 188 | Kenaf fiber/soy protein based biocomposites modified with poly(carboxylic acid) resin. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 1213-1218  | 2-9 | 17 |
| 187 | Jute/polypropylene composites using m-TMI-grafted-polypropylene as a coupling agent. <b>2013</b> , 43, 112-117   |     | 44 |
| 186 | Utilization of Albizia Wood ( <i>Albizia falcata</i> ) and Ramie Fibers as Wind Turbine Propeller Modification of NACA 4415 Standard Airfoil. <b>2013</b> , 391, 41-45                                 |     | 1  |
| 185 | Preparation and Mechanical Properties of the Environmentally Friendly Wood-Plastic Composites. <b>2013</b> , 690-693, 1008-1012  |     |    |
| 184 | Mechanical Properties and Weathering Behavior of Polypropylene-Hemp Shives Composites. <b>2013</b> , 2013, 1-8   |     | 16 |

|     |   |     |     |
|-----|---|-----|-----|
| 183 | Recent developments of kenaf fibre reinforced thermoset composites: review. <b>2013</b> , 17, s2-s11  |     | 12  |
| 182 | Mechanical properties of bio-fibers-reinforced high-density polyethylene composites: effect of coupling agents and bio-fillers. <b>2013</b> , 32, 1722-1732   |     | 12  |
| 181 | Novel, synergistic composites of polypropylene and rice husk ash: Sustainable resource hybrids prepared by solid-state shear pulverization. <i>Polymer Composites</i> , <b>2013</b> , 34, 1211-1221   | 3   | 31  |
| 180 | Biodegradation paths of Mater-Bi /kenaf biodegradable composites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 129, 3198-3208  | 2.9 | 31  |
| 179 | The Effect of Yarn Linear Density on Mechanical Properties of Plain Woven Kenaf Reinforced Unsaturated Polyester Composite. <b>2013</b> , 465-466, 962-966  |     | 6   |
| 178 | Nanoscale characterization of interphase properties in maleated polypropylene-treated natural fiber-reinforced polymer composites. <i>Polymer Engineering and Science</i> , <b>2013</b> , 53, 888-896 | 2.3 | 21  |
| 177 | . <b>2013</b> ,   |     | 9   |
| 176 | Effect of Alkali Treatment on Physical Properties of Bio-Based Composites. <i>Polymers and Polymer Composites</i> , <b>2013</b> , 21, 9-20  | 0.8 | 2   |
| 175 | Fabrication of raw and oxidized saw dust reinforced low density polyethylene (LDPE) composites and investigation of their physico-mechanical properties. <b>2013</b> , 47, 365-372                    |     | 2   |
| 174 | Effect of Impregnated Inorganic Nanoparticles on the Properties of the Kenaf Bast Fibers. <b>2014</b> , 2, 242-254  |     | 19  |
| 173 | Kenaf Fiber Reinforced Polymer Composites for Strengthening RC Beams. <b>2014</b> , 12, 167-177   |     | 19  |
| 172 | Design and Manufacturing Bio Composite (Sugarcane Bagasse ðPolyvinyl Acetate) Panel that Characterized Thermal Conductivity. <b>2014</b> , 893, 504-507   |     | 7   |
| 171 | Tensile Properties of Pineapple Leaf Fibre Reinforced Unsaturated Polyester Composites. <b>2014</b> , 695, 159-162  |     | 2   |
| 170 | Effect of kenaf fiber age on PLLA composite properties. <i>Polymer Composites</i> , <b>2014</b> , 35, 915-924   | 3   | 5   |
| 169 | Effect of Filler Compositions on the Mechanical Properties of Bamboo Filled Polyester Composite. <b>2014</b> , 879, 90-95   |     | 5   |
| 168 | Effect of flame retardants on flame retardant, mechanical, and thermal properties of sisal fiber/polypropylene composites. <i>Composites Part B: Engineering</i> , <b>2014</b> , 56, 249-253          | 10  | 116 |
| 167 | Structure and properties of ðpolypropylene reinforced by polypropylene fiber and polyamide fiber. <b>2014</b> , 32, 509-518   |     | 9   |
| 166 | Damping of thermoset and thermoplastic flax fibre composites. <b>2014</b> , 64, 115-123   |     | 131 |

|     |   |     |     |
|-----|---|-----|-----|
| 165 | Effect of methyl methacrylate grafted kenaf on mechanical properties of polyvinyl chloride/ethylene vinyl acetate composites. <b>2014</b> , 63, 45-50   |     | 30  |
| 164 | Effects of Kenaf core on properties of poly(lactic acid) bio-composite. <i>Polymer Composites</i> , <b>2014</b> , 35, 1220-1227   | 3   | 18  |
| 163 | Proceedings of the International Conference on Research and Innovations in Mechanical Engineering. <i>Lecture Notes in Mechanical Engineering</i> , <b>2014</b> ,   | 0.4 | 1   |
| 162 | Physical and mechanical properties of randomly oriented coir fiber/epoxy composites. <i>Composites Part B: Engineering</i> , <b>2014</b> , 61, 49-54  | 10  | 77  |
| 161 | Structure-morphology-mechanical properties relationship of some polypropylene/lignocellulosic composites. <b>2014</b> , 56, 763-772   |     | 61  |
| 160 | Polypropylene-based cork-polymer composites: Processing parameters and properties. <i>Composites Part B: Engineering</i> , <b>2014</b> , 66, 210-223  | 10  | 37  |
| 159 | Processing of Natural Fiber Composites. <b>2015</b> , 157-174   |     |     |
| 158 | Mechanical and morphological properties of kenaf powder filled natural rubber latex foam. <b>2015</b> ,   |     | 2   |
| 157 | Improvement in physical and electrical properties of poly(vinyl alcohol) hydrogel conductive polymer composites. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a                                   | 2.9 | 8   |
| 156 | Nano-crystalline cellulose, chemical blowing agent, and mold temperature effect on morphological, physical/mechanical properties of polypropylene. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a | 2.9 | 24  |
| 155 | Preparation and morphological, thermal, and physicomechanical properties of polypropylene-potato peel biocomposites. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a                               | 2.9 | 10  |
| 154 | Processing, performance, and applications of plant and animal protein-based blends and their biocomposites. <b>2015</b> , 201-235   |     | 5   |
| 153 | Polyvinyl Chloride / Attapulgite / Micro-crystalline Cellulose (MCC) Composites Preparation and Analysis of the Role of MCC as a Compatibilizer. <b>2015</b> , 10,  |     | 3   |
| 152 | Tensile and Hardness Property Evaluation of Kaolin- Sisal Fibre- Epoxy Composite. <b>2015</b> , 34, 750   |     | 3   |
| 151 | A Review of Natural Fibers Used in Biocomposites: Plant, Animal and Regenerated Cellulose Fibers. <b>2015</b> , 55, 107-162   |     | 339 |
| 150 | The Morphology and Mechanical Properties of Isotactic Polypropylene Injection-Molded Samples with the Presence of Nucleation Agent and Periodical Shear Field. <b>2015</b> , 54, 215-229                                  |     | 8   |
| 149 | Wood polymer composites. <b>2015</b> , 195-249  |     | 12  |
| 148 | Preparation and characterization of candelilla fiber ( <i>Euphorbia antisiphilitica</i> ) and its reinforcing effect in polypropylene composites. <b>2015</b> , 22, 3839-3849   |     | 13  |

|     |   |      |     |
|-----|---|------|-----|
| 147 | Solid waste-based hybrid natural fiber polymeric composites. <b>2015</b> , 34, 1979-1985  |      | 14  |
| 146 | Mechanical properties of corn fiber reinforced polypropylene composites using Taguchi method. <i>Materials Today: Proceedings</i> , <b>2015</b> , 2, 3084-3092  | 1.4  | 11  |
| 145 | Cellulose nanocrystal/polyolefin biocomposites prepared by solid-state shear pulverization: Superior dispersion leading to synergistic property enhancements. <b>2015</b> , 56, 464-475                         |      | 75  |
| 144 | Green composites prepared from aliphatic polyesters and bast fibers. <b>2015</b> , 68, 60-79  |      | 73  |
| 143 | The use of kenaf fibers as reinforcements in composites. <b>2015</b> , 138-161  |      | 10  |
| 142 | Effect of Fiber Treatment Condition and Coupling Agent on the Mechanical and Thermal Properties in Highly Filled Composites of Sugarcane Bagasse Fiber/PP. <b>2016</b> , 19, 746-751                            |      | 25  |
| 141 | A Review - Future Aspect of Natural Fiber Reinforced Composite. <b>2016</b> , 7, 43-59  |      | 72  |
| 140 | Reinforcement of polypropylene with lignocellulose nanofibrils and compatibilization with biobased polymers. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,                                     | 2.9  | 15  |
| 139 | Fracture Toughness of PP/EPDM/Nano-Ternary Composites: The Role of Distribution of Inorganic Particles. <b>2016</b> , 31, 224-232   |      | 3   |
| 138 | Poly(lactic acid) biocomposites reinforced with ultrafine bamboo-char: Morphology, mechanical, thermal, and water absorption properties. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a | 2.9  | 27  |
| 137 | Bio-based composites from agricultural wastes: Polylactic acid and bamboo <i>Guadua angustifolia</i> . <b>2016</b> , 50, 3229-3237  |      | 9   |
| 136 | Properties of low-density polyethylene/natural rubber/water hyacinth fiber composites: the effect of alkaline treatment. <b>2016</b> , 73, 539-557  |      | 17  |
| 135 | Kenaf ( <i>Hibiscus cannabinus</i> L.) fibre based bio-materials: A review on processing and properties. <i>Progress in Materials Science</i> , <b>2016</b> , 78-79, 1-92                                       | 42.2 | 158 |
| 134 | Polyolefin Composites and Nanocomposites. <b>2016</b> , 157-179   |      | 0   |
| 133 | Polyolefin Compounds and Materials. <b>2016</b> ,   |      | 28  |
| 132 | A Review on Roselle Fiber and Its Composites. <i>Journal of Natural Fibers</i> , <b>2016</b> , 13, 10-41  | 1.8  | 47  |
| 131 | Nanocharacterization of interface between natural fiber and polymer matrix: an overview. <i>Composite Interfaces</i> , <b>2016</b> , 23, 105-123  | 2.3  | 11  |
| 130 | Enzyme-mediated surface modification of jute and its influence on the properties of jute/epoxy composites. <i>Polymer Composites</i> , <b>2017</b> , 38, 1327-1334  | 3    | 9   |

|     |   |     |    |
|-----|---|-----|----|
| 129 | Effect of operating parameters and chemical treatment on the tribological performance of natural fiber composites: A review. <b>2017</b> , 35, 512-524  |     | 3  |
| 128 | Gradient-based intuitive search intelligence for the optimization of mechanical behaviors in hybrid bioparticle-impregnated coir-polyester composites. <b>2017</b> , 23, 275-283              |     | 5  |
| 127 | Coupling Agent Usage in the Preparation of Cellulose Nanofibril (CNF)- and Cellulose Nanocrystal (CNC)-Based Nanocomposites. <b>2017</b> , 335-364  |     |    |
| 126 | Plant fibre-reinforced polymers: where do we stand in terms of tensile properties?. <b>2017</b> , 62, 441-464   |     | 47 |
| 125 | Lantana Fiber-Filled Polypropylene Composite. <b>2017</b> , 343-351   |     | 2  |
| 124 | Wear rate and surface coating optimization of coconut coir-based polymer using fuzzy logic. <b>2017</b> , 42, 281-290   |     | 5  |
| 123 | Polymers. <b>2017</b> , 7-55  |     | 1  |
| 122 | Wave velocity characteristic for Kenaf natural fibre under impact damage. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 165, 012018                         | 0.4 | 0  |
| 121 | Pineapple Leaf Fiber: A High Potential Reinforcement for Green Rubber and Plastic Composites. <b>2017</b> , 289-308   |     |    |
| 120 | Green Biocomposites. <b>2017</b> ,  |     | 11 |
| 119 | Kenaf-Biocomposites: Manufacturing, Characterization, and Applications. <b>2017</b> , 225-254   |     | 4  |
| 118 | Monofunctional compatibilizer with long alkyl end for fabrication of superior tensile wood flour-polyolefin composites. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,        | 2.9 | 6  |
| 117 | Engineering of Poly Lactic Acids (PLAs) for melt processing: Material structure and thermal properties. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,                        | 2.9 | 4  |
| 116 | Polypropylene/Plant-Based Fiber Biocomposites and Bionanocomposites. <b>2017</b> , 247-286  |     | 2  |
| 115 | Study on Effect of Surface Treating Method on Mechanical Behavior of Three Plant Fiber Reinforced Polypropylene Composites. <i>Polymers and Polymer Composites</i> , <b>2017</b> , 25, 93-102 | 0.8 | 5  |
| 114 | Rice husk and kenaf fiber reinforced polypropylene biocomposites. <b>2017</b> , 77-94   |     | 8  |
| 113 | Green Composites Based on Blends of Polypropylene with Liquid Wood Reinforced with Hemp Fibers: Thermomechanical Properties and the Effect of Recycling Cycles. <b>2017</b> , 10,             |     | 33 |
| 112 | Comparative Study of the Characteristics of Green and Brown Coconut Fibers for the Development of Green Composites. <b>2017</b> , 13,   |     | 19 |



|     |  |     |     |
|-----|--|-----|-----|
| 111 | In situ processing of biocomposites via reactive extrusion. <b>2017</b> , 195-246  |     | 3   |
| 110 | Algae-Based Polyolefins. <b>2017</b> , 499-529   |     |     |
| 109 | Gamma radiation effect on sisal / polyurethane composites without coupling agents. <b>2017</b> , 27, 165-170   |     | 12  |
| 108 | Development of Natural Fiber as a Filter Media in Removing Organic Pollutants from Greywater. <b>2018</b> , 382, 302-306   |     | 3   |
| 107 | Lignocellulosic Composite Materials. <b>2018</b> ,   |     | 5   |
| 106 | Design and Fabrication of Kenaf Fibre Reinforced Polymer Composites for Portable Laptop Table. <b>2018</b> , 323-356   |     | 3   |
| 105 | Pineapple Leaf Fiber: From Waste to High-Performance Green Reinforcement for Plastics and Rubbers. <b>2018</b> , 271-291   |     | 8   |
| 104 | Characterization of kenaf fiber and its composites: A review. <b>2018</b> , 37, 731-737  |     | 29  |
| 103 | Multifunctional Composite Ecomaterials and Their Impact on Sustainability. <b>2018</b> , 1-31  |     |     |
| 102 | Tensile characteristics of sisal and polypropylene fibre non-woven materials for geo-textile applications. <i>Journal of Industrial Textiles</i> , <b>2018</b> , 47, 1702-1715   | 1.6 | 2   |
| 101 | Effects of bamboo cellulose nanowhisker content on the morphology, crystallization, mechanical, and thermal properties of PLA matrix biocomposites. <i>Composites Part B: Engineering</i> , <b>2018</b> , 133, 203-209 <sup>10</sup> |     | 82  |
| 100 | Characterization and properties of natural fiber polymer composites: A comprehensive review. <b>2018</b> , 172, 566-581  |     | 683 |
| 99  | Impacts of hemp fiber diameter on mechanical and water uptake properties of polybenzoxazine composites. <b>2018</b> , 111, 277-284   |     | 29  |
| 98  | Effects of Processing Parameters on Mechanical Properties and Structure of Banana Fiber-Reinforced Composites. <b>2018</b> ,   |     | 4   |
| 97  | Post-Impact and Open Hole Tensile Of Kenaf Hybrid Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 328, 012017  | 0.4 |     |
| 96  | . <b>2018</b> ,  |     | 2   |
| 95  | A Review of the Impact Performance of Natural Fiber Thermoplastic Composites. <b>2018</b> , 5,   |     | 30  |
| 94  | Hemp, jute, banana, kenaf, ramie, sisal fibers. <b>2018</b> , 301-325  |     | 23  |

|    |  |      |    |
|----|--|------|----|
| 93 | Utilization of palm fiber waste as reinforcement composite material for the manufacture of public housing panel. <b>2019</b> ,   |      |    |
| 92 | Compatibilization of biocomposites based on sponge-gourd natural fiber reinforced poly(lactic acid). <i>Polymer Composites</i> , <b>2019</b> , 40, 4489-4499   | 3    | 7  |
| 91 | Processing and characterization of pine epoxy based composites. <b>2019</b> ,  |      | 11 |
| 90 | Modification of Natural Fibers and Polymeric Matrices. <b>2019</b> , 367-388   |      |    |
| 89 | Polymer Matrix: Polypropylene. <b>2019</b> , 441-466   |      |    |
| 88 | . <b>2019</b> ,  |      | 5  |
| 87 | Fabrication and Characterization of Polypropylene □Microcrystalline Cellulose Based Composites with Enhanced Compatibility. <b>2019</b> ,  |      | 6  |
| 86 | Review On Natural Fiber Reinforced Composites. <i>Materials Today: Proceedings</i> , <b>2019</b> , 16, 897-906   | 1.4  | 18 |
| 85 | Effectiveness of cellulosic Agave angustifolia fibres on the performance of compatibilised poly(lactic acid)-natural rubber blends. <b>2019</b> , 26, 3205-3218  |      | 12 |
| 84 | Surface hydrophobisation of lignocellulosic waste for the preparation of biothermoelastoplastic composites. <i>European Polymer Journal</i> , <b>2019</b> , 118, 481-491                                 | 5.2  | 13 |
| 83 | The pull-out behavior of chemically treated lignocellulosic fibers/polymeric matrix interface (LF/PM): A review. <i>Composites Part B: Engineering</i> , <b>2019</b> , 174, 107059                       | 10   | 22 |
| 82 | Offensive waste valorisation in the UK: Assessment of the potentials for absorbent hygiene product (AHP) recycling. <b>2019</b> , 88, 56-70  |      | 12 |
| 81 | Maleinized Linseed Oil as Epoxy Resin Hardener for Composites with High Bio Content Obtained from Linen Byproducts. <b>2019</b> , 11,  |      | 24 |
| 80 | Natural composite of Albizia-Ramie: Effect core pre-heating, and resin type on mechanical properties. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 469, 012002        | 0.4  |    |
| 79 | Structure, mechanical and thermal properties of polypropylene based hybrid composites with banana fiber and fly ash. <i>Materials Research Express</i> , <b>2019</b> , 6, 075318                         | 1.7  | 16 |
| 78 | Multilayered epoxy/glass fiber felt composites with excellently acoustical and thermal insulation properties. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 46935                       | 2.9  | 14 |
| 77 | Flax ( <i>Linum usitatissimum</i> L.) fibre reinforced polymer composite materials: A review on preparation, properties and prospects. <i>Progress in Materials Science</i> , <b>2019</b> , 102, 109-166 | 42.2 | 97 |
| 76 | Effect of SEBS-MA and MAPP as coupling agent on the thermal and mechanical properties in highly filled composites of oil palm fiber/PP. <i>Composite Interfaces</i> , <b>2019</b> , 26, 699-709          | 2.3  | 12 |

|    |   |     |     |
|----|---|-----|-----|
| 75 | Assessment of Ichu Fibers Extraction and Their Use as Reinforcement in Composite Materials. <i>Journal of Natural Fibers</i> , <b>2020</b> , 17, 700-715  | 1.8 | 10  |
| 74 | Kenaf Fiber Based Bio-Composites: Processing, Characterization and Potential Applications. <b>2020</b> , 757-767  |     | 3   |
| 73 | Examining the Mechanical and Thermomechanical Properties of Polymethylmethacrylate Composites Reinforced with Nettle Fibres. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 665-674                                       | 2.5 | 5   |
| 72 | Fabrication of enhanced epoxy composite by embedded hierarchical porous lignocellulosic foam. <i>Renewable Energy</i> , <b>2020</b> , 150, 1066-1073  | 8.1 | 6   |
| 71 | A study on mechanical properties of bamboo fiber reinforced polymer composite. <i>Materials Today: Proceedings</i> , <b>2020</b> , 22, 897-903  | 1.4 | 34  |
| 70 | A study on efficient microbial biodegradation of cellulose based jute composite. <i>Polymer Composites</i> , <b>2020</b> , 41, 1428-1434  | 3   | 3   |
| 69 | Influence of layering pattern of modified kenaf fiber on thermomechanical properties of epoxy composites. <i>Progress in Rubber, Plastics and Recycling Technology</i> , <b>2020</b> , 36, 47-62  | 1.7 | 7   |
| 68 | Influence of amorphous cellulose on mechanical, thermal, and hydrolytic degradation of poly(lactic acid) biocomposites. <i>Scientific Reports</i> , <b>2020</b> , 10, 11342   | 4.9 | 10  |
| 67 | Mechanical Characteristics Study of Chemically Modified Kenaf Fiber Reinforced Epoxy Composites. <i>Journal of Natural Fibers</i> , <b>2020</b> , 1-11  | 1.8 | 8   |
| 66 | Moisture-Enabled Electricity Generation: From Physics and Materials to Self-Powered Applications. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003722  | 24  | 46  |
| 65 | Effect of Chemical Treatment on the Durability Behavior of Coir Geotextiles. <i>Journal of Natural Fibers</i> , <b>2020</b> , 1-20  | 1.8 | 3   |
| 64 | Chemical, biological, and nanoclay treatments for natural plant fiber-reinforced polymer composites: A review. <i>Polymers and Polymer Composites</i> , <b>2020</b> , 096739112094241   | 0.8 | 10  |
| 63 | Influence of Fiber Coating and Polymer Modification on Mechanical and Thermal Properties of Bast/Basalt Reinforced Polypropylene Hybrid Composites. <i>Journal of Composites Science</i> , <b>2020</b> , 4, 119                                   | 3   | 4   |
| 62 | Moisture absorption studies on Kenaf composites at various temperatures. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 764, 012016  | 0.4 | 1   |
| 61 | Review of recent advances in the biodegradability of polyhydroxyalkanoate (PHA) bioplastics and their composites. <i>Green Chemistry</i> , <b>2020</b> , 22, 5519-5558  | 10  | 188 |
| 60 | Mechanical and Thermal Characterization of Camphor Soot Embedded Coir Fiber Reinforced Nylon Composites. <i>Fibers and Polymers</i> , <b>2020</b> , 21, 2569-2578   | 2   | 3   |
| 59 | In Situ Fourier Transform Infrared Spectroscopic Imaging for Elucidating Variations in Chemical Structures of Polymer Composites at the Matrix/Filler Interface during Reactive Processing. <i>Macromolecules</i> , <b>2020</b> , 53, 10711-10717 | 5.5 | 2   |
| 58 | DESIGN AND ANALYSIS OF BICYCLE HELMET MOULDING PROCESS DEVELOPMENT. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 042026   | 0.3 |     |

|    |  |     |    |
|----|--|-----|----|
| 57 | Effect of layering sequence on mechanical properties of woven kenaf/jute fabric hybrid laminated microwave-processed composites. <i>Journal of Industrial Textiles</i> , <b>2020</b> , 152808372091121   | 1.6 | 9  |
| 56 | Effects of Hyperbranched Polyamide on the Properties of Sisal Fiber Reinforced Polypropylene Composites. <i>Journal of Natural Fibers</i> , <b>2020</b> , 1-10   | 1.8 | 3  |
| 55 | Effect of chitosan/modified montmorillonite coating on the antibacterial and mechanical properties of date palm fiber trays. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 316-323 <sup>9</sup>                       | 7.9 | 17 |
| 54 | Characterization of cellulose nano/microfibril reinforced polypropylene composites processed via solid-state shear pulverization. <i>Polymer Composites</i> , <b>2021</b> , 42, 1371-1382  | 3   | 3  |
| 53 | Effect of Surface Modification on the Properties of Polypropylene Matrix Reinforced with Coir Fibre and Yam Peel Particulate. <i>Scientific World Journal, The</i> , <b>2021</b> , 2021, 8891563   | 2.2 | 6  |
| 52 | A Review on the Kenaf Fiber Reinforced Thermoset Composites. <i>Applied Composite Materials</i> , <b>2021</b> , 28, 491-528  | 2   | 9  |
| 51 | Polymer blends and polymer composites for cardiovascular implants. <i>European Polymer Journal</i> , <b>2021</b> , 146, 110249   | 5.2 | 18 |
| 50 | Determination of Mechanical Properties and Characterization of Alkali Treated Sugarcane Bagasse, Pine Apple Leaf and Sisal Fibers Reinforced Hybrid Polyester Composites for Various Applications. <i>Fibers and Polymers</i> , <b>2021</b> , 22, 1675 | 2   | 12 |
| 49 | Extraction and Effects of Mechanical Characterization and Thermal Attributes of Jute, Prosopis Juliflora Bark and Kenaf Fibers Reinforced Bio Composites Used for Engineering Applications. <i>Fibers and Polymers</i> , <b>2021</b> , 22, 2018-2026   | 2   | 10 |
| 48 | Processing and determination of mechanical properties of Prosopis juliflora bark, banana and coconut fiber reinforced hybrid bio composites for an engineering field. <i>Composites Science and Technology</i> , <b>2021</b> , 208, 108695             | 8.6 | 10 |
| 47 | Exploration of Mechanical Attributes, Thermal Behaviors and Atomic Force Analysis of Alkali Treated Hybrid Polyester Composites for an Engineering Application. <i>Fibers and Polymers</i> , <b>2021</b> , 22, 2535 <sup>2</sup> -2542 <sup>3</sup>    |     |    |
| 46 | Pyrolyzed biomass from corn ethanol industry coproduct and their polypropylene-based composites: Effect of heat treatment temperature on performance of the biocomposites. <i>Composites Part B: Engineering</i> , <b>2021</b> , 215, 108714           | 10  | 4  |
| 45 | A numerical study for determining the effect of raffia, alfa and sisal fibers on the fiber-matrix interface damage of biocomposite materials. <i>Current Materials Science</i> , <b>2021</b> , 14,   | 1.1 | 1  |
| 44 | Effect of non-woven flax mat manufacturing parameters and consolidation pressure on properties of composites manufactured using vacuum-assisted resin transfer molding. <i>Polymer Composites</i> ,  | 3   | 4  |
| 43 | Mechanical and Morphological Characteristics Study of Chemically Treated Banana Fiber Reinforced Phenolic Resin Composite with Vajram Resin. <i>Journal of Natural Fibers</i> , 1-16   | 1.8 | 6  |
| 42 | Potential Use of Cellulose Fibre Composites in Marine EnvironmentâA Review. <i>Advanced Structured Materials</i> , <b>2018</b> , 25-55   | 0.6 | 6  |
| 41 | Rice Husk-Reinforced Composites: A Review. <i>Lecture Notes in Mechanical Engineering</i> , <b>2014</b> , 395-405  | 0.4 | 1  |
| 40 | Tropical Natural Fibres and Their Properties. <i>Engineering Materials</i> , <b>2014</b> , 15-38   | 0.4 | 8  |

|    |   |      |    |
|----|---|------|----|
| 39 | Green fibre thermoplastic composites. <b>2004</b> , 181-206   |      | 17 |
| 38 | Effect of fiber content on flexural properties of fishnet/GFRP hybrid composites. <i>Steel and Composite Structures</i> , <b>2016</b> , 22, 13-24   |      | 2  |
| 37 | Effects of Plasma Treatment on Mechanical Properties of Jute Fibers and Their Composites with Polypropylene. <i>Elastomers and Composites</i> , <b>2012</b> , 47, 310-317   |      | 4  |
| 36 | Novel cattail fiber composites: converting waste biomass into reinforcement for composites. <i>Bioresources and Bioprocessing</i> , <b>2021</b> , 8, 101  | 5.2  | 4  |
| 35 | Tensile and Interlaminar Shear Strength of Unidirectional Kenaf Fibre Reinforced Polymer with Overlapping Joint. <b>2014</b> , 689-700  |      |    |
| 34 | MOISTURE AND FLEXURAL BEHAVIOUR OF HEMP MAT FOAM STRUCTURAL INSULATED PANEL SPECIMENS. <i>Journal of Green Building</i> , <b>2014</b> , 9, 87-101   | 1.3  |    |
| 33 | Morphological, Thermal and Mechanical Properties of Green Composite Based on Recycled Polyethylene/Polyamide-6/Kenaf Composites. <b>2015</b> , 47-66  |      |    |
| 32 | THE ALKALI TREATMENT PARAMETERS USING TAGUCHI MODEL IN ORDER TO OBTAIN THE OPTIMUM TENSILE STRENGTH OF SINGLE KENAF FIBER. <b>2017</b> , 7, 49  |      | 2  |
| 31 | Multifunctional Composite Ecomaterials and Their Impact on Sustainability. <b>2019</b> , 3193-3222  |      |    |
| 30 | Manufacturing WoodâPlastic Composites from Waste Lignocellulose Plus Haloxylon Species and Recycled Plastics. <i>Forest Products Journal</i> , <b>2019</b> , 69, 205-209  | 0.6  | 1  |
| 29 | Sustainable Green-Based Composites from Renewable Resources in Textile: Industrial Cotton Wastes. <i>Sustainable Textiles</i> , <b>2020</b> , 45-61   | 1.1  | 0  |
| 28 | Coir Fiber-Reinforced Composites. <i>Advances in Chemical and Materials Engineering Book Series</i> , 247-275   | 0.2  | 1  |
| 27 | Injection-molded natural fiber-reinforced polymer compositesâ review. <b>2021</b> , 16,   |      | 4  |
| 26 | Removal of toxic heavy metal Cd(II) and Cu(II) ions using glutaraldehyde-cross-linked KFC/CNT/PVA ternary blend. <i>Biomass Conversion and Biorefinery</i> , 1  | 2.3  | 1  |
| 25 | Influence of Flax Fibre Hybridization on Mechanical Behaviour of Sisal Fibre-Polypropylene Composites Prepared with an Injection Moulding Machine. <i>Advances in Materials Science and Engineering</i> , <b>2021</b> , 2021, 1-7 | 1.5  |    |
| 24 | Determining the Fiber Loading on Mechanical Behavior of Kenaf and Sisal Fibers Reinforced Polyester Composites. <i>Lecture Notes in Mechanical Engineering</i> , <b>2022</b> , 1057-1068  | 0.4  | 0  |
| 23 | Investigating the tribological behavior of biofiber-based polymer composites and scope of computational tools. <b>2022</b> , 249-261  |      |    |
| 22 | A Critical Review of the Performance and Soil Biodegradability Profiles of Biobased Natural and Chemically Synthesized Polymers in Industrial Applications.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,        | 10.3 | 4  |

|    |   |     |   |
|----|---|-----|---|
| 21 | A critical review on experimental investigation and finite element analysis on structural performance of kenaf fibre reinforced concrete. <i>Structures</i> , <b>2022</b> , 35, 1030-1061             | 3.4 | 2 |
| 20 | The effects of surface treatment on creep and dynamic mechanical behavior of flax fiber reinforced composites under hygrothermal aging conditions. <b>2022</b> , 203-242                              |     | 0 |
| 19 | Low Velocity Impact Test on Other Fibre Reinforced Polymer Composite Laminates. <i>Materials Horizons</i> , <b>2022</b> , 191-220   | 0.6 |   |
| 18 | Production of Sugar Beet Pulp/LDPE Composites Using Compression Molding Method and Investigation of Some Properties. <i>Journal of Forestry Faculty of Kastamonu University</i> , 295-305             | 0.3 |   |
| 17 | Study on fresh properties, mechanical properties and microstructure behavior of fiber reinforced self compacting concrete: A review. <i>Materials Today: Proceedings</i> , <b>2022</b> ,              | 1.4 | 0 |
| 16 | Kenaf fibers, their composites and applications. <b>2022</b> , 283-304  |     |   |
| 15 | Effect of chemical treatment and fiber loading on various properties of Bauhinia vahlii bast fibers/acrylonitrile butadiene styrene composites for automotive body parts. <i>Polymer Composites</i> , | 3   | 1 |
| 14 | Utilization of Wood Flour from White Oak Branches as Reinforcement in a Polypropylene Matrix: Physical and Mechanical Characterization. <i>Journal of Composites Science</i> , <b>2022</b> , 6, 184   | 3   | 0 |
| 13 | Effect of Various Factors on Plant Fibre-Reinforced Composites with Nanofillers and Its Industrial Applications: A Critical Review. <i>Journal of Nanomaterials</i> , <b>2022</b> , 2022, 1-23        | 3.2 | 0 |
| 12 | Dynamic Mechanical Analysis and Ballistic Performance of Kenaf Fiber-Reinforced Epoxy Composites. <b>2022</b> , 14, 3629  |     | 1 |
| 11 | A critical review on mechanical and morphological characteristics of injection molded biodegradable composites.   |     | 0 |
| 10 | Sustainable Biopolymers. <b>2022</b> , 1-31   |     | 0 |
| 9  | Short Fiber Reinforced Composites. <b>2022</b> , 185-367  |     | 0 |
| 8  | Sustainable Biopolymers. <b>2023</b> , 1-31   |     | 0 |
| 7  | Static and dynamic mechanical analysis of hybrid natural fibre composites for engineering applications.   |     | 0 |
| 6  | IMPACT MODIFICATION OF WOOD FLOUR REINFORCED PP COMPOSITES: PROBLEMS, ANALYSIS, SOLUTION. <b>2023</b> , 107445  |     | 0 |
| 5  | Statistical predicting and optimization of the tensile properties of natural fiber bio-composites.  |     | 0 |
| 4  | Sustainable Biopolymers. <b>2023</b> , 319-349  |     | 0 |

- 3 Effects of Fiber Loading on Mechanical Properties of Kenaf Nanocellulose Reinforced Nanohybrid Dental Composite Made of Rice Husk Silica. **2023**, 14, 184 ○
- 2 Simultaneous Modification of Properties Relevant to the Processing and Application of Virgin and Post-Consumer Polypropylene. **2023**, 15, 1717 ○
- 1 Tensile strength and elongation of selected Kenaf fibres of Ghana. **2023**, 10, ○