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Specialization: Material and manufacturing Process  
No. of Publications: 30

1.	An overview on natural cellulose fiber reinforced polymer composites S Venkatarajan, A Athijayamani Materials Today: Proceedings	2020
2.	Analysis of mechanical properties of Agave Sisalana Variegata/banana fiber reinforced vinyl ester composites S Venkatarajan, A Athijayamani, BV Bhuvaneswari, R Ganesamoorthy AIP Conference Proceedings 2281 (1), 020027	2020
3.	A review on the mechanical properties of bio waste particulate reinforced polymer composites AS Jose, A Athijayamani, SP Jani Materials Today: Proceedings	2020
4.	Evaluation of mechanical properties of coconut shell particle/vinyl ester composite based on the untreated and treated conditions T Livingston, A Athijayamani, A Alavudeen Materials Research Express	2020
5.	Effects of length and content of natural cellulose fiber on the mechanical behaviors of phenol formaldehyde composites MC Das, A Athijayamani, KAV Geethan, D Santhosh, SP Singh Materials Today: Proceedings	2020
6.	Effect of mechanical properties on banana macro particle reinforced epoxy composites C Jayaseelan, P Padmanabhan, A Athijayamani, K Ramanathan NISCAIR-CSIR, India	2020
7.	Effect of addition of areca fine fibers on the mechanical properties of Calotropis Gigantea fiber/phenol formaldehyde biocomposites S Venkatarajan, BV Bhuvaneswari, A Athijayamani, S Sekar Vacuum 166, 6-10	2019
8.	Effects of water absorption on the mechanical properties of RF/CSP/VE hybrid	2019

	composite S Venkatarajan, A Athijayamani, R Parthiban, S Navaneethakrishnan AIP Conference Proceedings 2128 (1), 020003	
9.	Taguchi method for optimization of fabrication parameters with mechanical properties in sisal fibre–vinyl ester composites S Navaneethakrishnan, A Athijayamani Australian Journal of Mechanical Engineering 15 (2), 74-83	2017
10.	Mechanical properties of randomly oriented Calotropis gigantea fiber-reinforced phenol formaldehyde biocomposites A Athijayamani, S Sekar, S Sidhardhan, K Ramanathan Journal of Advances in Chemistry 13 (11), 6043-6050	2017
11.	Comparative investigation of mechanical properties of epoxy composites reinforced with short fibers, macro particles, and micro particles C Jayaseelan, P Padmanabhan, A Athijayamani, K Ramanathan BioResources 12 (2), 2864-2871	2017
12.	Effects of Addition of Prosopis Juliflora Fiber on the Physical and Mechanical Properties of Wood Dust and Coir Pith Particle Reinforced Phenol Formaldehyde Hybrid Composite A Athijayamani, AS Jose, K Ramanathan, S Sidhardhan JOURNAL OF ADVANCES IN CHEMISTRY 13 (10), 6558-6562	2017
13.	Mechanical properties of phenol formaldehyde hybrid composites reinforced with natural cellulose fibers A Athijayamani, MC Das, S Sekar, K Ramanathan BioResources 12 (1), 1960-1967	2017
14.	EFFECTS OF AN ADDITION OF COIR-PITH PARTICLES ON THE MECHANICAL PROPERTIES AND EROSION-WEAR BEHAVIOR OF A WOOD-DUST-PARTICLE-REINFORCED PHENOL FORMALDEHYDE COMPOSITE VDK VLAKEN, L PRAHOM, E OBRABO Materiali in tehnologije 51 (5), 805-811	2017
15.	Effects of Aspect Ratio and Loading on the Mechanical Properties of Prosopis Juliflora Fibre-reinforced Phenol Formaldehyde Composites A Sujin Jose, A Athijayamani, K Ramanathan, S Sidhardhan Fibres & Textiles in Eastern Europe	2017
16.	Measurement and analysis of thrust force and torque in drilling of sisal fiber polymer composites filled with coconut shell powder S Navaneethakrishnan, A Athijayamani International Journal of Plastics Technology 20 (1), 42-56	2016

17.	Modelling and analysis of the mechanical properties of agave sisalana variegata fibre/Vinyl ester composites using Box-Behnken design of response surface methodology ... A Athijayamani, R Ganesamoorthy, KT Loganathan, S Sidhardhan Strojniski Vestnik-Journal of Mechanical Engineering 62 (5), 273-282	2016
18.	Mechanical properties of unidirectional aligned bagasse fibers/vinyl ester composite A Athijayamani, B Stalin, S Sidhardhan, AB Alavudeen Journal of Polymer Engineering 36 (2), 157-163	2016
19.	Parametric analysis of mechanical properties of bagasse fiber-reinforced vinyl ester composites A Athijayamani, B Stalin, S Sidhardhan, C Boopathi Journal of Composite Materials 50 (4), 481-493	2016
20.	The performance of bio waste fibres reinforced polymer hybrid composite B Stalin, A Athijayamani International Journal of Materials Engineering Innovation 7 (1), 15-25	2016
21.	Mechanical properties and absorption behavior of CSP filled Roselle fiber reinforced hybrid composites S Navaneethakrishnan, A Athijayamani Mater Environ Sci 7, 1674-1680	2016
22.	Physical and Mechanical Properties of Unidirectional Aligned Agave Sisalana Variegata Fiber-Reinforced Vinyl Ester Composite A Athijayamani, R Ganesamoorthy, KT Loganathan, S Sidhardhan 폴리머 40 (1), 1-8	2016
23.	Mechanical properties of fragrant screwpine fiber reinforced unsaturated polyester composite: Effect of fiber length, fiber treatment and water absorption MGA Selvan, A Athijayamani Fibers and Polymers 17 (1), 104-116	2016
24.	단방향으로 배향된 Agave Sisalana Variegata 섬유 보강 Vinyl Ester 복합체의 물리적 및 기계적 성질 A Athijayamani, R Ganesamoorthy, KT Loganathan, S Sidhardhan Polymer (Korea) 40 (1), 1-8	2016
25.	Taguchi method for optimization of fabrication parameters with mechanical properties in fiber and particulate reinforced composites S Navaneethakrishnan, A Athijayamani International Journal of Plastics Technology 19 (2), 227-240	2015
26.	Modeling and multiresponse optimization of the mechanical properties of Roselle	2015

	<p>fiber-reinforced vinyl ester composite</p> <p>C Manickam, J Kumar, A Athijayamani, K Karthik</p> <p>Polymer-Plastics Technology and Engineering 54 (16), 1694-1703</p>	
27.	<p>Effect of various water immersions on mechanical properties of roselle fiber–vinyl ester composites</p> <p>C Manickam, J Kumar, A Athijayamani, J Easter Samuel</p> <p>Polymer Composites 36 (9), 1638-1646</p>	2015
28.	<p>Analysis of the tensile properties of natural fiber and particulate reinforced polymer composites using a statistical approach</p> <p>S Navaneethakrishnan, A Athijayamani</p> <p>Journal of Polymer Engineering 35 (7), 665-674</p>	2015
29.	<p>Mechanical and wear behaviors of untreated and alkali treated roselle fiber-reinforced vinyl ester composite</p> <p>C Manickam, J Kumar, A Athijayamani, N Diwahar</p> <p>Journal of Engineering Research 3 (3), 1-13</p>	2015
30.	<p>Effect Of Reinforcement Of Chopped Agave Sisalana Variegata/Banana Hybrid Fibers On The Mechanical Properties Of Vinyl Ester Resin</p> <p>A Athijayamani, R Ganesamoorthy, J Gobinath</p> <p>International Journal of Mechanical Engineering and Research 5 (1), 20-23</p>	2015