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Publications:

1. Modeling and multiresponse optimization of the mechanical properties of Roselle fiber-reinforced vinyl ester composite
C Manickam, J Kumar, A Athijayamani, K Karthik
Polymer-Plastics Technology and Engineering (2015) 54 (16), 1694-1703
2. 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 (2015) 19 (2), 227-240
3. Mechanical and wear behaviors of untreated and alkali treated roselle fiber-reinforced vinyl ester composite
C Manickam, J Kumar, A Athijayamani, N Diwahar
Journal of Engineering Research (2015) 3 (3), 1-13
4. Effect of various water immersions on mechanical properties of roselle fiber–vinyl ester composites
C Manickam, J Kumar, A Athijayamani, J Easter Samuel
Polymer Composites (2015) 36 (9), 1638-1646
5. Parametric analysis of mechanical properties of bagasse fiber-reinforced vinyl ester composites
A Athijayamani, B Stalin, S Sidhardhan, C Boopathi
Journal of Composite Materials (2016) 50 (4), 481-493
6. The performance of bio waste fibres reinforced polymer hybrid composite
B Stalin, A Athijayamani
International Journal of Materials Engineering Innovation (2016) 7 (1), 15-25
7. Mechanical properties of unidirectional aligned bagasse fibers/vinyl ester composite
A Athijayamani, B Stalin, S Sidhardhan, AB Alavudeen
Journal of Polymer Engineering (2016) 36 (2), 157-163
8. 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 (2016) 17 (1), 104-116

9. Mechanical properties and absorption behavior of CSP filled Roselle fiber reinforced hybrid composites
S Navaneethakrishnan, A Athijayamani
Mater Environ Sci (2016) 7, 1674-1680
10. 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 (2016) 62 (5), 273-282
11. 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 (2016) 20 (1), 42-56
12. 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 (2017) 15 (2), 74-83
13. 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 (2017) 12 (2), 2864-2871