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## PAPERS PUBLISHED IN LAST FIVE YEARS

Ramamoorthi, R& Sampath, PS 'Effect of Water Absorption on the Mechanical Properties
of Halloysite Nanotube Crammed Glass Fiber Reinforced Epoxy Hybrid Nanocomposites',
International Journal of ChemTech Research" Vol.8, pp. 52-57, 2015

- Ramamoorthi, R& Sampath, PS 'Experimental Investigations of Influence of Halloysite
  Nanotube on Mechanical and Chemical Resistance Properties of Glass Fiber Reinforced
  Epoxy Nano Composites', Journal of Scientific and Industrial Research, Vol 74, pp. 685-689,
  2015. (Impact Factor: 0.5000).
- 3. Ramamoorthi, R& Sampath, PS 'Effect of Halloysite Nanotube on the Fatigue Life of Glass Fiber Reinforced Epoxy Composites', International Journal of Engineering Science and Technology, Vol 7, pp. 232-237, 2015.
- 4. T. Ramakrishnan; P. S. Sampath; R. Ramamoorthi 'Investigation of Mechanical Properties and Morphological Study of the Alkali Treated Agave Angustifolia Marginata Fiber Reinforced Epoxy Polymer Composites', Asian Journal of Research in Social Sciences and Humanities Vol. 6, pp. 461-472,2016
- P. Sureshkumar, R. Ramamoorthi and N. Babu 'Experimental Investigation of Friction and Wear Properties for Glass/Carbon Hybrid Fiber Reinforced with Epoxy Resin', Indian Journal of Science and Technology, Vol. 9,pp 1-5,2016

- R.Prem Kumar, Guddakesh Kumar Chandan, R.Ramamoorthi 'Fabrication and Testing of Natural Fiber Hybrid Composites', International Journal of Engineering Research, Vol.5, pp. 285-288, 2016.
- 7. Prakash K, Soundararajan **R, Ramamoorthi**., Jeyakumar.R 'Performance Improvement of Stir Casting Blade', International Journal of Innovative Research in Science, Engineering and Technology, Vol. 5, pp 63-65, 2016
- 8. JeyaKumar R; Sampath P S; Ramamoorthi R 'Dry Sliding Wear Characteristics of Glass Fiber Reinforced Epoxy Composite with Cloisite 93 Nanoclay Filler Material', Asian Journal of Research in Social Sciences and Humanities, Vol. 7, pp. 445-453, 2017.
- R.Jeyakumar , P.S.Sampath , R.Ramamoorthi, T.Ramakrishnan 'Structural, Morphological and Mechanical Behavior of Glass Fibre Reinforced Epoxy Nanoclay Composites', International Journal of Advanced Manufacturing Technology, Vol.93, pp. 1-4, 2017...
- 10. Ramamoorthi.R, Jeyakumar.R, Sibi Sankar.R, Thanigaiarul.S, Adithya E 'Effect of Sonication Time and HNT Loading on Tensile Strength of Epoxy –HNT Nano Composites', International Journal of Scientific & Engineering Research, Vol 8, 360-362, 2017
- 11. Ramamoorthi.R, Jeyakumar.R, Ramakrishnan.T, 'Effect of Nanoparticles on The Improvement of Mechanical Properties of Epoxy Based Fiber Reinforced Composites A Review', International Journal for Science and Advance Research in Technology, Vol 3,pp. 1251-1256, 2017
- 12. Ramamoorthi R , Jeyakumar R & Samson Jerold Samuel Chelladurai ," Effect of Fillers on Tribological/ Fatigue/Damping and Water Resistance Properties of Polymer Nanocomposites
   A Review" International Journal of Pure and Applied Mathematics, Vol 119, pp 2073-2078.
- 13. S Ranjith Kumar & R.Ramamoorthi, Experimental Investigation Of Micro-Electro Discharge Machining Of AISI 304 Stainless Steel Using Brass And Copper Electrodes With De-Ionized Water As Dielectric", International Journal of Pure and Applied Mathematics, Vol 119, pp 2169-2175. 2018.

- 14. R. Ramamoorthi, R. Soundararajan and R. Jeyakumar, Experimental Investigations of Mechanical Properties of Sisal Fiber / Cashew nut shell dust, Indian Journal of Science and Technology, Vol 12(9), pp 1-6, 2019
- 15. S. Balamurugan, R. Ramamoorthi, I.K. Kavin Jeysing, S. Kumar, I. Mohammed Sharukhan, G. Muthu Prakash and S. Madhan, Microstructure and Mechanical Properties of Cold Metal Transfer Welding AA6082-T4 Alloys, Indian Journal of Science and Technology, Vol 12(42), pp 1-8, 2019.
- 16. Soundararajan Ranganathan, Shanthosh Gopal, Tharunkumar Magudeeswaran, and Ramamoorthi Rangasamy, Exploration of Dry Sliding Wear Behaviour of Sisal Fiber Reinforced Cashew Nut Shell Liquid and Epoxy Polymer Matrix Composite as an Alternative Friction Material in Automobiles, SAE International, 2019.
- 17. Boopathiraja, KP; Ramamoorthi, R; Vivek, V Vadivel; Vickram, K; Kumar, S Vinodh; Yuvaraj, KP; Characterization and surface modification on composites by friction stir processing–A review, Materials Today: Proceedings, 2020
- 18. Nithyanandhan, T; Sivaraman, P; Ramamoorthi, R; Kumar, P Suresh; Kannakumar, R; Kumar, A Naveen; Enhancement of corrosion behaviour of AL6061-B4C-RHA reinforced hybrid composite, Materials Today: Proceedings, 2020
- 19. Jeyakumar, R; Ramamoorthi, R; Balasubramanian, K;, Mechanical and wear characteristics of glass fiber reinforced modified epoxy nano composites—A review , Materials Today: Proceedings , 2020
- 20. Vignesh, S; **Ramamoorthi, R**; Aravindkumar, N;, An alternate sleeve design in transtibial prosthetics, Materials Today: Proceedings, 2020