

1. Name: Dr.P.S.Sampath  
Designation: Professor  
Department: Mechanical Engineering  
Address: K.S.Rangasamy College of Technology, Tiruchengode, Namakkal – 637215  
Mobile: 9962116570  
E-mail: sampathps@rediffmail.com

### **Publications:**

1. Senthilkumar.M.S., Mohana Sundara Raju N Sampath P.S and Rahul.S., “Investigation and improving impact strength of Hybrid Composites on Two Wheeler Side Box”, International Journal of Applied Engineering Research, Vol. 10 No.50 (2015), Pages 522-525.
2. Kumar, MS Senthil; Raju, N Mohana Sundara; Sampath, PS; Vivek,U, “Tribological analysis of nano clay/epoxy/glass fiber by using Taguchi’s technique”, Materials & Design, Vol.70,2015, pp 01-09.
3. 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, Issue 1, 2015, pp 52-57.
4. Saravanan, N; Sampath, PS; Sukantha, TA, “Extraction and Characterization of New Cellulose Fiber from the Agrowaste of Lagenaria Siceraria (Bottle Guard) Plant”, Journal of Advances in Chemistry, Vol. 12, Issue 9, 2016, pp 4382-4388.
5. Vivekanandhan, Chinnasamy; Sampath, Pavayee Subramani, “Effect of nanoclay on the mechanical behavior of epoxy composites”, Materials Testing, Vol.58, Issue10, 2016, pp 903-907.
6. Ramakrishnan, T; Sampath, PS; Ramamoorthi, R; “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, Issue 9, 2016, pp 461-472.
7. Ramakrishnan, T; Sathish, K; Sampath, PS; Anandkumar, S; “Experimental investigation and optimization of surface roughness of AISI 52100 alloy steel material by using Taguchi method”, Advances in Natural and Applied Sciences, Vol.10, Issue 6, 2016, pp 130-138.

8. Jeyakumar R, Sampath, PS, 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, Issue 1, 2017, pp 445-453.
9. Ramakrishnan, T; Sampath, P.S, “Dry Sliding Wear Characteristics of New Short Agave Angustifolia Marginata (AAM) Fiber-Reinforced Polymer Matrix Composite Material”, Journal of Biobased Materials and Bioenergy, Vol.11, Issue 5, 2017 pp 391-399.
10. Vivekanandhan, C; Sampath, PS; Sagadevan, Suresh,”A study of effect of nanoclay on the structural and morphological behaviour of epoxy composites”, Romanian Journal of Materials, Vol.47, Issue3, 2017, pp 396-400.
11. Umachitra G, Palaniswamy, NK; Shanmugasundaram, OL; Sampath, PS; “Effect of Mechanical Properties on Various Surface Treatment Processes of Banana/Cotton Woven Fabric Vinyl Ester Composite”, Applied Mechanics and Materials, Vol.867, 2017, pp 41-47.
12. Jeyakumar, R; Sampath, PS; Ramamoorthi, R; Ramakrishnan, T; “Structural, morphological and mechanical behaviour of glass fibre reinforced epoxy nanoclay composites”, The International Journal of Advanced Manufacturing Technology, Vol.93,2017, pp 527-535.
13. Kumar, MS Senthil; Selvan, M Chithirai Pon; Sampath, PS; Raja, K; Balasundaram, K, “Influence of nanoclay on interlaminar shear strength and fracture toughness of glass fiber reinforced nanocomposites”, IOP Conference Series: Materials Science and Engineering, Vol.346, Issue 1, 2018, pp 12081.
14. Vivekanandhan, Chinnasamy; Sampath, Pavayee Subramani; Sagadevan, Suresh; “Preparation and characterization of Kevlar/glass fiber laminates with a nanoclay enhanced epoxy matrix”, Materials Testing, Vol.60, Issue 1, 2018, pp 81-84.
15. Senthil Kumar, MS; Mohana Sundara Raju, N; Sampath, PS; Chithirai Pon Selvan, M; “Influence of nanoclay on mechanical and thermal properties of glass fiber reinforced polymer nanocomposites”, Polymer Composites, Vol.39, Issue 6, 2018, pp1861-1868.
16. M Bhuvaneshwaran, PS Sampath, Suresh Sagadevan “Influence of fiber length, fiber content and alkali treatment on mechanical properties of natural fiber-reinforced epoxy composites”, Polimery, Vol.64, Issue 2, 2019, pp 93-99, [dx.doi.org/10.14314/polimery.2019.2.2](https://doi.org/10.14314/polimery.2019.2.2)

17. M Bhuvaneshwaran, PS Sampath, S Balu, S Sagadevan, "Physicochemical and mechanical properties of natural cellulosic fiber from *Coccinia Indica* and its epoxy composites", *Polimery*, *Polimery*, Vol.64,Issue 10, 2019, pp 656--664, [dx.doi.org/10.14314/polimery.2019.10.2](https://doi.org/10.14314/polimery.2019.10.2)
18. MS Senthil Kumar, Chithirai Pon Selvan, PS Sampath, K Raja, Reshmi Nair," Enhanced Mechanical Properties of Glass Fiber/Epoxy Composites using Nanoclay", *IEEE* 2019,pp 1-9, 10.1109/ICASET.2019.8714553
19. A Karthik, PS Sampath," Analysis of thrust force in drilling cotton with bamboo blended fibre-reinforced composites using Box-Behnken methodology", *Indian Journal of Fibre & Textile Research (IJFTR)*, Vol.45,Issue 3, 2020, pp 267-273.
20. S Balu, PS Sampath, M Bhuvaneshwaran, G Chandrasekar, A Karthik, Suresh Sagadevan," Dynamic mechanical analysis and thermal analysis of untreated *Coccinia indica* fiber composites." *Polimery*, Vol.65,Issue 5, 2020, pp 357-362.