

Dr.G.SURESH
LIST OF PUBLICATIONS

1. **Suresh, G**; “A study on mechanical and morphological analysis of banana/sisal fiber reinforced IPN composites”. *Fibers and Polymers* (**Accepted for publication - SCIENCE INDEXED**). (**I.F – 1.787**)
2. **Suresh, G**; Srinivasan, T; Srinivasan, S; Kaarmugilan, N; “Analyzing the mechanical behaviour of sisal fiber reinforced IPN matrix”, *Materials Today: Proceedings* (2020). (**SCOPUS**)
3. **Suresh, G**; Bernard, S Stephen; Vivek, S; “Study of mechanical performance of E-Glass fiber reinforced (IPN) interpenetrating polymer networks *Materials Today: Proceedings* (2020). (**SCOPUS**)
4. **Suresh, G**; Srinivasan, T; Analyzing the mechanical behavior of IPN composite drive shaft with E-glass fiber reinforcement *Materials Today: Proceedings* (2020).
5. Dr.R.Nafeena, A.AbdulMunaf, **G.Suresh**; “Bus Identification and Ticketing Using Rfid”, *TEST ENGINEERING & MANAGEMENT*, 83, 15843-15848 (2020). (**SCOPUS**)
6. Krishnan, G Sai; Kumar, S; **Suresh, G**; “Role of metal composite alloys in non-asbestos brake friction materials-A solution for copper replacement”, *Materials Today: Proceedings* (2020). (**SCOPUS**)
7. Sreenivasan, M; Kumar, M Dinesh; Krishna, Ram; Mohanraj, T; **Suresh, G**; Kumar, D Hemanth; Charan, A Sai; “Finite element analysis of coil spring of a motorcycle suspension system using different fibre materials”, *Materials Today: Proceedings* (2020). (**SCOPUS**)
8. Bernard, S Stephen; **Suresh, G**; Ahmed, MD Javeed; Mageshwaran, G; Madanagopal, V; Karthikeyan, J; “Performance analysis of MWCNT fluid parabolic trough collector for whole year”, *Materials Today: Proceedings* (2020). (**SCOPUS**)
9. **Suresh, G**; Srinivasan, T; Chidambaram, CT; Santhoshpriya, Karjala; Vijayakumar, KR; Kumar, M Dinesh; “A study on sliding wear behaviour of carbon fiber reinforced IPN composites”, *Materials Today: Proceedings* (2020). (**SCOPUS**)
10. Srinivasan, T; **Suresh, G**; Santhoshpriya, Karjala; Chidambaram, CT; Vijayakumar, KR; Munaf, A Abdul; “Experimental analysis on mechanical properties of banana fibre/epoxy (particulate) reinforced composite”, *Materials Today: Proceedings* (2020). (**SCOPUS**)
11. Abbas, S Mohamed; Elayaperumal, A; **Suresh, G**; “A study on combustion and performance characteristics of ceramic coated (PSZ/Al₂O₃) and uncoated piston DI engine”, *Materials Today: Proceedings* (2020). (**SCOPUS**)
12. Srinivasan, T; **Suresh, G**; Ramu, P; Vignesh, R; Harshan, A Vijay; Vignesh, KP; “Effect of hygrothermal ageing on the compressive behavior of glass fiber reinforced IPN composite pipes”, *Materials Today: Proceedings* (2020). (**SCOPUS**)
13. Srinivasan, T; **Suresh, G**; Ramu, P; Ram, V Gokul; Gires, M; Arjun, K; “Effect of water absorption of the mechanical behavior of banana fiber reinforced IPN natural composites”, *Materials Today: Proceedings* (2020). (**SCOPUS**)

14. Ramalingam, P Sethu; Mayandi, K; Srinivasan, T; Leno, I Jerin; Ravi, Rajesh; Suresh, Gayathri; “A study on E-Glass fiber reinforced interpenetrating polymer network (vinylester/polyurethane) laminates flexural analysis”, Materials Today: Proceedings (2020). **(SCOPUS)**
15. Rajamahendran, S; **Suresh, G**; Srinivasan, T; Logesh, D; Yusuf, M Mohamed; Krishnan, L Mohana; “An analysis on mechanical and sliding wear behavior of E-Glass fiber reinforced IPN composites”, Materials Today: Proceedings (2020). **(SCOPUS)**
16. Bernard, S Stephen; Srinivasan, T; **Suresh, G**; Paul, A Ivon; “Production of biogas from anaerobic digestion of vegetable waste and cow dung”, Materials Today: Proceedings (2020). **(SCOPUS)**
17. Jeevamalar, J; Kumar, S Bharani; Ramu, P; **Suresh, G**; Senthilnathan, K; “Investigating the effects of copper cadmium electrode on Inconel 718 during EDM drilling”, Materials Today: Proceedings (2020). **(SCOPUS)**
18. S.BharaniKumar, J.Jeevamalar, P.Ramu, **G.Suresh**, K.Senthilnathan; “Evaluation in 4D printing - A review”, Materials Today Proceedings (2020). **(SCOPUS)**
19. K.Senthilnathan, **G.Suresh**; “Experimental Investigation of Polymer Matrix Composites Gears with Different Fiber Proportions”, International Journal of Vehicle Structures & Systems, 12(2), 212-216 (2020). **(SCOPUS)**
20. R.Nafeena, A.AbdulMunaf, **G.Suresh**; “Design and Online Re-tuning of Power System Stabilizers Using Phasor Measurement Unit”, Jour of Adv Research in Dynamical & Control Systems 12(4) 1147-1155 (2020). **(SCOPUS)**
21. S.Vivek, L.S.Jayakumari, S.Stephen Bernard, **G.Suresh**; “Tribological and mechanical properties of biobased reinforcement in a friction composite material”, Revistamateria 25(3) 2020. **(SCIENCE INDEXED) (I.F – 0.515)**
22. Srinivasan, T; Ramu, P; **Suresh, G**; Govardhan, YS; Srinivasan, S; “Impact of mechanical properties on sheet metal forming processes by using single-point incremental shaping method”, IOP Conference Series: Materials Science and Engineering, 954(1) 12028 (2020). **(SCOPUS)**
23. Krishnan, G Sai; Jayakumari, LS; Babu, L Ganesh; **Suresh, G**; “Investigation on the physical, mechanical and tribological properties of areca sheath fibers for brake pad applications “ Materials Research Express, 6(8),85109 (2019). **(SCIENCE INDEXED) (I.F – 1.81)**
24. **Gopi, Suresh**; Loganathan, Ganesh Babu; Sekar, Bharani Kumar; Krishnamoorthy, Rajesh Kanna; Sekaran, Vivek; Mohan, AkashRajendran; “Influence of water absorption on glass fibre reinforced IPN composite pipes”, polimerose 29(3) 2019. **(SCIENCE INDEXED) (I.F – 1.1)**
25. **Suresh, G**; Vivek, S; Babu, L Ganesh; Bernard, S Stephen; “Evaluation of mechanical behaviour of carbon fiber reinforced nanoclay filled IPN matrix composite”, Materials Research Express 6(12)125311 (2019). **(SCIENCE INDEXED) (I.F – 1.81)**

26. **Suresh, G**; Abdul Munaf, A; Akash, RM; “Analyzing the mechanical behaviour of carbon fiber reinforced spur gear with IPN as matrix material”, SSRN, 1(11) 2019. (**SCOPUS**)
27. **Suresh, G**; Jayakumari, LS; Dinesh, Kumar S; “Finite element analysis of IPN reinforced woven fabric composite”, Revistamateria, 22(4) 2017. (**SCIENCE INDEXED**) (**I.F – 0.515**)
28. **Suresh, G**; Jayakumari, LakshmananSaraswathy; “Analyzing the mechanical behavior of E-glass fibre-reinforced interpenetrating polymer network composite pipe” Journal of composite materials, 50(22), 3053-3061 (2016). (**SCIENCE INDEXED**) (**I.F – 1.87**)
29. Suresh, G; Jayakumari, LS; “Evaluating the mechanical properties of E-Glass fiber/carbon fiber reinforced interpenetrating polymer networks”, polimerose, 25(1) 49-57 (2015). (**SCIENCE INDEXED**) (**I.F – 1.1**)
30. P.Ramesh, G.Sai Krishnan, R.Ragu, **G.Suresh**, S.Srinivasan; “Investigation on the Physical/Mechanical Properties of NAO brake friction Composites by using Kenaf fiber”, IOP Conf. Series: Materials Science and Engineering 961 (2020) 012016; doi:10.1088/1757-899X/961/1/012016 (**SCOPUS**)