

## **Last 5 years Publication List**

1. Ilangkumaran, R.Sasikumar, G.Sakthivel. "Parametric Optimization for the Production of Nanostructure in High Carbon Steel Chips" International Journal of Ain Shams Engineering, Volume 6, Issue 3, September 2015, pp. 957–965
2. N.Karthikeyan, Rathinasabapathy Sasikumar, I.Sirajudeen, N.Alagirisamy. "Fabrication and Shear Strength of Aluminium Foam Sandwich Structure", International Journal of Applied Engineering Research, Vol. 10, Issue No.13, 2015, pp 11030 -11032.
3. S.Prakash, S.Ramesh and R.Sasikumar, "A Mathematical and Neural Network Approach for Optimization of Cutting Force", International Journal of Engineering, Science and Technology, Vol. 10, No.53, 2015, pp 268 -274.
4. N.Ilangkumaran, R.Sasikumar and G.Sakthivel, "Application of Taguchi and Grey-Fuzzy Model to Optimize the Machining Parameters of Nano-Crystalline Structured Chips Production in High Carbon Steel", International Journal of Fuzzy Computation and Modelling, Inderscience Publishers, Vol. 1, Issue 4, Jan 2015, pp. 411- 430.
5. G.Vijayanand and R . Sasikumar, "Influence of Ageing Behavior on Hardness of Squeeze Cast Al 8011 With 2.5%Tic Composites using Artificial Neural Network", Journal of Manufacturing Engineering, December, 2016, Vol. 11, Issue.4, pp 193-197.
6. A.Manivannan ,R.Sasikumar ,R.Joshuva Durai Singh ,"Thermal Investigation of AA6061 Based Particulate Metal Matrix Composites", International Journal of Mechanical and Production Engineering (IJMPE) , Dec 2017, Volume-5, Issue-12, pp. 122-124.
7. R. Sasikumar, M.S.Santhosh, J.Karna, M.Sakthivel, K.Vishnu, "Fabrication and Mechanical Behavior Study of Fiber Reinforced Composites for Automobile Applications", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue XII, December 2017, pp. 1599 - 1604.
8. Sasi Kumar R and Manivannan. A, "Fabrication and Characterization of Aluminium Boron Nitride Composite for Fins", Materials Today: Proceedings 5, April 2018, pp. 8618 –8624.
9. M. S. Santhosh , R. Sasikumar , L. Natrayan , M. Senthil Kumar, V. Elango & M. Vanmathi "Investigation of Mechanical and Electrical Properties of Kevlar/E-Glass and Basalt/E-Glass Reinforced Hybrid Composites", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 8, Issue 3, Jun 2018, pp. 591-598.
10. Alireza Golshahr, Elango Natarajan, M. S. Santhosh, R. Sasikumar, S. Ramesh, Rajkumar Durairaj, "Multiwall Carbon Nanotube Reinforced Silicone for Aerospace Applications", International Journal of Mechanical and Production Engineering Research and Development Vol. 8, Issue 4, 743-752, 2018.
11. S. Prakash, Rathinasabapathy Sasikumar, & Elango Natarajan, "Superior Material Properties of Hybrid Filler-Reinforced Aluminum MMC Through Double layer Feeding Technique Adopted in Bottom Tapping Stir Casting", High Temperature Material Processes, Vol. 22, Issue 4, Nov 2018, pp. 249-258.
12. Santhosh M. S, Sasikumar R. "Influences of Aluminium / E-Glass Volume Fraction on Flexural and Impact Behaviour of Glare Hybrid Composites", Journal of Engineering Sciences, Volume 6, Issue 1, Jan 2019, pp.C6-C10.

13. A.Manivannan & R.Sasikumar, "Exemplary Encapsulate Feeding in Stir Casting for Quality Composites", *Materials and Manufacturing Processes*, Vol. 34, Issue 6, Feb 2019, pp. 689 - 694.
14. Asokan, M., Sasikumar Rathinasabapathy, Khadar, S., et al. "Novel Combined Feeding Approach to Produce Quality Al6061 Composites for Heat Sinks", *High Temperature Materials and Processes*, 38(2019), pp. 647-650.
15. N. Maniselvam, M.S. Santhosh, R. Sasikumar, P. Murugesan, M. Chandru. "Study of Corrosion Behavior of Carbon Fiber Reinforced Plastics (CFRPs)", *Materials Science Forum* (2019), Vol. 969, pp 175-180.
16. M.S.Santhosh, R. Sasikumar, R.Mohanraj, G.Karthikeyan. "Mechanical and Morphological Behaviour of Rice Husk/Prosopisjuliflora Reinforced Bio Composites". December 2019, *Materials today: proceedings*, 2019.
17. Chiranth.B.P, Sasikumar.R, et al., "High-Temperature Wear Behaviour of ZE41 Mg Alloy" *Materials Science Forum*, Vol. 969, pp 86-92, 2019.
18. P. Shanmugaselvam, R. Sasikumar and S. Sivaraj, "Investigation of Hardness and Tribological Behaviour of Aluminium Alloy LM30 Reinforced with Silicon Carbide, Boron Carbide and Graphite", *Lecture Notes in Mechanical Engineering*, 2019. <https://doi.org/10.1007/978-981-13-6374-062>.
19. S. Rakshath, B. Suresha, R. Sasi Kumar & I. Saravanan "Dry Sliding and Abrasive Wear Behaviour of Al-7075 Reinforced with Alumina and Boron Nitride Particulates" *Materials Today: proceedings*, Volume 22, Part 3, 2020, Pages 619-626.