

International Journals

1. **R.Senthilkumar** , M. Prakash, N. Arun, A. Arul Jeyakumar. "The effect of the number of passes in friction stir processing of Aluminum alloy (AA6082) and its failure analysis." **Applied Surface Science, (ELSEVIER) ISSN : 0169-4332 Scopus impact factor 6.182**
2. **R.Senthilkumar** , K Prabu, G Rajamurugan , P Ponnusamy "Comparative analysis of particle size on the mechanical and metallurgical characteristics of Al₂O₃-reinforced sintered and extruded AA2014 nano-hybrid composite", **Journal of Composite Materials (SAGE) ISSN : 0021-9983 Scopus impact factor 1.972**
3. **R. Senthilkumar**, N Arunkumar, M ManzoorHussian , "A comparative study on low cycle fatigue behaviour of Nano and Micro Al₂O₃ reinforced AA2014 particulate hybrid composite"., **Results in physics. (ELSEVIER) Vol. 5, 2015, 273-280(PP). ISSN: 2211-3797 Scopus impact factor 4.019.**
4. **R .Senthilkumar**, N Arunkumar, M ManzoorHussian," Experimental investigation on mechanical properties of micro and nano size Al₂O₃ particle reinforced extruded composites", **Rev. T c. Ing. Univ. Zulia. Vol. 38, 2015,156 – 164(PP). ISSN: 0254-0770 Scopus impact factor 0.27.**
5. **R.Senthilkumar** , P Ponnusamy M.Prakash "The Effect of TiB₂ on Mechanical and Microstructural Properties of AZ91 Matrix Composites Manufactured by Cold Chamber Die Casting Process" **SAE Technical Paper ISSN: 0148-7191 Scopus**
6. M.SenthilKumar, R.V.Mangalaraja, **R.Senthilkumar**, L. Natrayan "Processing and Characterization of AA2024/ Al₂O₃//SiC Reinforced Hybrid Composites Using Squeeze Casting Technique" **Iranian Journal of Materials Science and Engineering ISSN: 1735-0808 Scopus impact factor 0.47**
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8. **R. Senthilkumar**, N Arunkumar, M ManzoorHussian," Effects of Micro and Nano-Size Al₂O₃ Particle Reinforcement on Mechanical Behaviour of Extruded Aluminum Alloy Matrix Composite". **Applied Mechanics and Materials. Vol. 787 (2015) 617-621(PP) ISSN: 1662-7482.**
9. **R. Senthilkumar**, N Arunkumar, M ManzoorHussian, R Vijayaraj, "Study of Microstructure and Mechanical Properties of Sintered Aluminum Alloy Composite Reinforced with Al₂O₃ Nano Particles". **Advanced Materials Research. Vol. 849, 2014, 62-68(PP). ISSN: 1662-8985.**
10. **R. Senthilkumar**, N Arunkumar, M Manzoor Hussian, R Vijayaraj "Studies on mechanical properties and microstructure of Al₂O₃ Reinforced AA5083 Matrix Composite". **Applied Mechanics and Materials Vols. 592-594 (2014) pp 749-754 ISSN: 1662-7482.**

11. **R. SenthilKumar**, J Jabin, M Manzoor Hussian, "Characterisation Of Newly Developed Aluminium (A356) Based Nano Composite". **International Journal of Advanced Research in Science and Engineering Volume 07, Special Issue 02 March 2018, pp 686-692. ISSN: 2319-8354.**
12. G Ramesh, J Jabin, **R Senthil Kumar**, "Experimental Investigation On Mechanical Properties Of Flax Fiber Reinforced Composites With Epoxy". **International Journal of Advanced Research in Science and Engineering Volume 07, Special Issue 02 March 2018, pp 694 - 701. ISSN: 2319-8354.**
13. J Jabin, V Vigneshwaran, Gokula Chander, **R. Senthil Kumar**, "Experimental and numerical analysis of natural convection and radiation heat transfer in Array of stepped bar and hollow cylindrical heat sinks". **International Journal of Advanced Research in Science and Engineering, Volume 07, Special Issue 02 March 2018, pp 702 - 713. ISSN: 2319-8354.**
14. S.Deepak Kumar **R.Senthil Kumar** , A.Tamilselvan, G.Ramesh, "Problem selection methodology (psm) forAutomobile components manufacturing industryBy using hml & ranking method " **Alochana Chakra Journal** , Volume IX, Issue VI, June/2020 **ISSN NO:2231-3990**