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PUBLICATIONS

1. R. Ruban Blessed Singh, T. Sasi Kumar, S. Suresh, G. Ramanan, 'A Novel Detection of Defects in Al-SiC Composite by Active Pulsed Infrared Thermography Using Data and Image Processing', Transactions of the Indian Institute of Metals, September 2020, Volume 73, Pages 2767-2783.
2. M. Navaneetha Krishnan, S. Suresh, S.C. Vettivel, 'Effects on Micro-Surface Texturing of Mg/B₄C Matrix Composites Under Dry Sliding Wear Condition', Transactions of the Indian Institute of Metals, February 2020, Volume 73, Pages 897-912.
3. C Emmy Prema, S Suresh, G Ramanan, M Sivaraj, 'Characterization, corrosion and failure strength analysis of Al7075 influenced with B₄C and Nano-Al₂O₃ composite using online acoustic emission', Materials Research Express, January 2020, Volume 7, Number 1.
4. A Radha, S Suresh, G Ramanan, V Mohanavel, C Emmy Prema, 'Processing and characterization of mechanical and wear behavior of Al7075 reinforced with B₄C and nano graphene hybrid composite', Materials Research Express, 8 January 2020 Volume 6, Number 12.
5. I Manivannan, S Ranganathan, S Suresh, P Philomen-D-Anand Raj, 'Failure analysis using online acoustic emission and tribological behavior of Al6061-Al₂O₃ nano composite', Materials Research Express, November 2019 Volume 6, Number 12.
6. C Mahil Loo Christopher, T Sasikumar, S Suresh, 'Analysis of failure mode and fracture behavior by using acoustic emission parameter and artificial neural network', Engineering Research Express, 25 July 2019, Volume 1, Number 1.
7. I Manivannan; S. Ranganathan; S. Gopalakannan; S. Suresh; D. Candane, 'Mechanical and wear surface characterisation of aluminium hybrid nanocomposite' International Journal of Computational Materials Science and Surface Engineering (IJCMSSE), 2019, Volume 8.
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10. I. Manivannan, S. Ranganathan, S. Gopalakannan, **S. Suresh**, (2018), 'Mechanical Properties and Tribological Behavior of Al6061-SiC-Gr Self-Lubricating Hybrid Nanocomposites', *Transactions of the Indian Institute of Metals*, vol. 71 (8), pp. 1897-1911. (Springer: Impact Factor: 0.910). H-index: 19.
11. Manivannan, I, Ranganathan, S, Gopalakannan, S, and **Suresh, S**, (2018), 'Dry Sliding Wear behaviour of cast Al/Al2O3/Gr hybrid nanocomposite using response surface methodology', *Materials Science and Engineering*, vol. 390, pp. 1-7. (IOP Publishing). Impact Factor: 0.24). H-index: 17.
12. M. Navaneetha Krishnan, **S. Suresh**, S.C. Vettivel, (2018), 'Characterization, formability, various stresses and failure analysis on workability of sintered Mg-5%B4C composite under triaxial stress state condition', *Journal of Alloys and Compounds*, vol. 747, pp. 324-339. (Elsevier: Impact factor: 3.779). H-index: 138.
13. Emmy Prema, C, Vinsley, S.S, & **Suresh, S**, (2018), 'Efficient Flame Detection Based on Static and Dynamic Texture Analysis in Forest Fire Detection', *Fire Technology*, vol. 54, pp. 255-288. (Springer: Impact factor: 1.483). H-index: 31.
14. **S. Suresh**, M. Navaneetha Krishnan, S.C. Vettivel, (2018), Workability behavior of Magnesium-Boron Carbide composites" Proceedings of the National Conference on Engineering Applications (NCEA'18), Universal College of Engineering, Valliyoor, pp. 284-287, 16th March 2018, 16th March 2018.
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16. **S. Suresh**, Vijithra V.G, Shakin Amarthiya Pandian S, Alwi Sam S.P, (2018), Nano composites: Synthesis, Structure, Properties and New Application Opportunities" Proceedings of the National Conference on Engineering Applications (NCEA'18), Universal College of Engineering, Valliyoor, pp. 298-303, 16th March 2018.
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18. Kannan C.R, **Suresh S**, Jaison Sunny D, Defflin Rejo D, (2018), Experimental investigation of online Acoustic Emission technique on metal matrix composites, "National Conference on Recent Advancement in Mechanical Engineering (NCRAME-18) , VV College of Engineering, Tisaiyanvilai, on 28th March 2018.
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- aluminum matrix nanocomposite', *Surfaces and Interfaces*, vol. 8, pp. 127-136. (Elsevier: Impact factor: 1.018).
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 22. Subramonia Pillai, N, Seeni Kannan, P, Vettivel, S.C & **Suresh, S**, 2017, 'Optimization of transesterification of biodiesel using green catalyst derived from Albizia Lebbeck Pods by mixture design', *Renewable Energy*, vol. 104, pp. 185-196. (Elsevier: Impact factor: 4.37).
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 24. Subramonia Pillai, N, Seeni Kannan, P, **Suresh, S** & Vettivel, S.C, 2017, 'Measurement and control of emissions from diesel engine operated by biodiesel with bio additives of mentha piperita', *Measurement & Control* vol. 50, No. 2, pp. 31-38. (SAGE: Impact factor: 0.431).
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