

## Dr. S. Suresh

### List of publications

1. M. Navaneetha Krishnan, S. Suresh, S.C. Vettivel, C. Emmy Prema, C.P. Jesuthanam(2020), 'A Novel Image Processing Technique forAnalyzing Wear Worn Surface Roughnessand Corrosion Behavior of Sintered Mg/B4C Composites', Transactions of the Indian Institute of Metals, <https://doi.org/10.1007/s12666-020-02123-3>. (Springer: Impact Factor: 1.205). H-index: 28.
2. S. Suresh, M. Navaneetha Krishnan, S.C. Vettivel, (2020), 'Effect of B4C on strength coefficient, cold deformation and work hardening exponent characteristics of Mg composites', Journal of Magnesium and Alloys, <https://doi.org/10.1016/j.jma.2020.09.010>. (Elsevier: Impact Factor: 7.115). H-index: 30.
3. R. Ruban Blessed Singh, T. Sasikumar,S. Suresh& G. Ramanan, (2020), 'A Novel Detection of Defects in Al–SiCComposite by Active Pulsed InfraredThermography Using Data and ImageProcessing', Transactions of the Indian Institute of Metals, 73, pp. 2767–2783. (Springer: Impact Factor: 1.205). H-index: 28.
4. M. Navaneetha Krishnan, S. Suresh, S.C. Vettivel, (2020), 'Effects on Micro-Surface Texturing of Mg/B4C MatrixComposites Under Dry Sliding Wear Condition', Transactions of the Indian Institute of Metals, <https://doi.org/10.1007/s12666-020-01913-z>. (Springer: Impact Factor: 1.205). H-index: 28.
5. C. EmmyPrema, S. Suresh,G. Ramanan, andM. Sivaraj, (2020), 'Characterization, corrosion and failure strength analysis of Al7075influenced with B4C and Nano-Al2O3 composite using onlineacoustic emission', Materials Research Express, vol. 7 (2020) 016524. <https://doi.org/10.1088/2053-1591/ab6257> (IOP Publishing: Impact Factor: 1.929). H-index: 27.
6. I.Manivannan, S.Ranganathan, S. Suresh and P.Philomen-D-Anand Raj,(2019), 'Failure analysis using online acoustic emission and tribologicalbehavior of Al6061-Al2O3 nano composite',Materials Research Express, vol.6 (2019) 125096. <https://doi.org/10.1088/2053-1591/ab5c9e> (IOP Publishing: Impact Factor: 1.929).H-index: 27.

7. I.Manivannan, S.Ranganathan, S. Suresh and D. Candane, (2019), 'Mechanical and wear surface characterisation of aluminium hybrid nanocomposite', *Int. J. Computational Materials Science and Surface Engineering*, Vol. 8, Nos. 3/4, 2019 195-210.(Inderscience Enterprises Ltd: Impact Factor: 0.17). H-index: 10.
8. A. Radha, S. Suresh, G. Ramanan, V. Mohanave and C. Emmy Prema, (2019), 'Processing and characterization of mechanical and wear behavior of Al7075 reinforced with B4C and nanographene hybrid composite', *Materials Research Express*, vol. 6 (2019) 1265c5. <https://doi.org/10.1088/2053-1591/ab6263>(IOP Publishing: Impact Factor: 1.929). H-index: 27.
9. C. Mahil Loo Christopher, T. Sasikumar, S. Suresh, (2019), Analysis of failure mode and fracture behavior by using acoustic emission parameter and artificial neural network, *Engineering Research Express*, vol. 1 (2019) 015013.<https://doi.org/10.1088/2631-8695/ab3268>(IOP Publishing).
10. G. Ramanan , S. Suresh, N. Rajesh Prabha, J. Edwin Raja Dhas, (2019), 'Characterization, wear surface roughness and tensile failure analysis of Al7075-TiC-MoS2 hybrid composites using online acoustic emission', *Materials Research Express*, vol. 6 (2019) 066544. <https://doi.org/10.1088/2053-1591/ab0d7a> (IOP Publishing: Impact Factor: 1.929). H-index: 27.
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12. C. Emmy Prema, S. Suresh, (2019), 'Local Binary Pattern based Hybrid Texture Descriptors for the Classification of Smoke Images', *International Journal of Engineering Research & Technology*, vol. 7 (13), pp. 1-6.
13. Manivannan, I, Ranganathan, S, Gopalakannan, S, and Suresh, S, (2018), 'Mechanical Properties and Tribological Behavior of Al6061-SiC-Gr Self-Lubricating Hybrid Nanocomposites', *Transactions of the Indian Institute of Metals*, vol. 71(8):1897-1911. (Springer: Impact Factor: 1.205). H-index: 28.

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15. M. Navaneetha Krishnan, S. Suresh, S.C. Vettivel, (2018), 'Characterization, formability, various stresses and failure analysis on workability of sintered Mg-5%B<sub>4</sub>C composite under triaxial stress state condition', *Journal of Alloys and Compounds*, vol. 747, pp. 324-339. (Elsevier: Impact factor: 3.779). H-index: 138.
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