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PUBLICATIONS (Journal Papers)

1. A Rajesh Kannan, S Mohan Kumar, R Pramod, N Pravin Kumar, N Siva Shanmugam, Yasam Palguna, Microstructure and mechanical properties of wire arc additive manufactured bi-metallic structure, Science and Technology of Welding and Joining, 1-11, 2020 Impact factor – 3.422
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5. N Pravin Kumar, N Siva Shanmugam, Some studies on nickel based Inconel 625 hard overlays on AISI 316L plate by gas metal arc welding based hardfacing process, Wear, 456, 203394, 2020 Impact factor – 4.108

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7. A Karpagaraj, N Rajesh Kumar, K Sankaranarayananasamy, N Siva Shanmugam, Muralimohan Cheepu, Simulation and Experimental Studies on Arc Efficiency and Mechanical Characterization for GTA-Welded Ti–6Al–4V Sheets, *Arabian Journal for Science and Engineering*, 2020 Impact factor- 1.711
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10. A Rajesh Kannan, S Mohan Kumar, N Pravin Kumar, N Siva Shanmugam, AS Vishnu, Yasam Palguna Process-microstructural features for tailoring fatigue strength of Wire Arc Additive Manufactured Functionally Graded Material of SS904L and Hastelloy C-276 *Materials Letters*, 127968, Impact factor-3.204.
11. R Pramod, N Siva Shanmugam, CK Krishnadasan, Studies on cold metal transfer welding of aluminium alloy 6061-T6 using ER 404, *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, <https://doi.org/10.1177%2F1464420720917175>, 2020, Impact factor-1.568.
12. A Rajesh Kannan, N Siva Shanmugam, V Rajkumar, M Vishnukumar, Insight into the microstructural features and corrosion properties of Wire Arc Additive Manufactured Super Duplex Stainless Steel (ER2594), *Materials Letters*, Pages 127680, 2020, Impactfactor-3.204.

13. S Mohan Kumar and N Siva Shanmugam, Effect of heat input and weld chemistry on mechanical and microstructural aspects of double side welded austenitic stainless steel 321 grade using tungsten inert gas arc welding process, *Material Science & Engineering Technology*, Vol. 51, Issue 3, Pages 349-367, 2020, Impact factor-0.556.
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16. M Arunkumar, V Dhinakaran and N Siva Shanmugam, Numerical prediction of temperature distribution and residual stresses on plasma arc welded thin titanium sheets
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36. N. Siva Shanmugam, J. Anthuvan Stephen Edberk and K. Sankaranarayanasamy Some Studies on mechanical characterization of laser welded thin Ti-6Al-4V sheets, High Temperature materials and processes – Accepted for publication Impact factor – 0.433
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