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Technical papers in Journals:

1. **Balasubramanian K** et al, “Experimental studies on weldability of oil hardening non shrinking die steel”, SAE International, 2020-28-0424. Doi: 10.4271/2020-28-0424
2. **Balasubramanian K** et al, “Surface properties of Ti-6Al-4V alloy treated by plasma ion nitriding process”, Accepted for Materials Today Proceedings.
3. **Balasubramanian K et al**, “An Avant Garde study on design and analysis of honey comb structured piston”, Accepted for Materials Today Proceedings.
4. Balasubramani S, Balaji N, **Balasubramanian K** and Samson Jerold Samuel C, “wear behavior of aluminium 7075 –boron carbide-coconut shell fly ash reinforced hybrid metal matrix composites”, Materials Research Express, September 2019.
5. **Balasubramanian K**, Teddy Gefri G, Vivek Anandh KM and Vimal Raj S, “Certain investigation on the failure of AA7075 aluminum alloy, pure aluminum material and tool during the process of friction stir welding”, International Journal of Innovative Technology and Exploring Engineering, vol.8, issue 4S, February 2019, 477-481.
6. Raja S, Balaji N, **Balasubramanian K** and Rajendran C, “Effect of MIG welding process parameters on microstructure and tensile behavior of hastelloy C276 using response surface methodology, Materials Research Express, vol.6 (6), 2019.
7. **Balasubramanian K**, Jeyakumar R and Ramamoorthi R, “Development and characterization of hybrid fiber reinforced polymer composites”, Indian Journal of Science and Technology, vol.12 (16), April 2019, 1-5.
8. Jeyakumar R, Ramammoorthi R and **Balasubramanian K**, “Investigation on mechanical properties of coconut fiber reinforced polyester composites”, International Journal of Innovative Technology and Exploring Engineering, vol.8, issue 7, May 2019, 1398-1402.

9. **Balasubramanian, K**, Balaji, N and Keerthivel Rajesh, E “ Mechanical properties of Aluminum 6063 alloy joined by Tungsten Inert Gas welding and Friction stir welding methods”, International Journal of Emerging Technologies in Engineering Research (IJETER), Vol. 6, Issue 1, 2018, pp.100-103
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11. **Balasubramanian K** and Balusamy V, “Behavior of hot cracking tendency in AA2024 aluminum alloy joint with vibration and its influence on properties of the materials”, International Journal of Pure and Applied Mathematics, vol.112 (12), 2018, 2197-2206.
12. **Balasubramanian K**, Sudharson GK, Sree Ram V Panicker, Tarun Krishna, “Effect of multiaxial forging on properties of aluminum alloys – Review”, International Journal of Engineering Research and Technology, special issue, 2018, 1-3.
13. Balasubramani S, Balaji N, **Balasubramanian K** and Samson Jerold Samuel C, “Investigation on mechanical properties of aluminium 7075 –boron carbide-coconut shell fly ash reinforced hybrid metal matrix composites”, China foundry, vol.15, No.6, November 2018, 449-456.
14. **Balasubramanian, K** and Balusamy, V “Effect of vibratory treatment for improving weldment properties of AA2014 aluminum alloy” International Journal for Science and Research in Technology, (ISSN: 2395-1052), vol.3, issue.11, 2017, pp.711-715.
15. **Balasubramanian, K** and Balusamy, V “Effect of vibratory treatment on metallurgical and mechanical properties of aluminum alloys weldments” International Journal on Advanced Research Science Engineering and Technology, vol.1, No.1, 2016, pp.40-43.