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DETAILS OF PUBLICATIONS LAST FIVE YEARS

1. Ravi, G., **N. Murugan**, and R. Arulmani. "Microstructure and mechanical properties of Inconel-625 slab component fabricated by wire arc additive manufacturing." Materials Science and Technology 36.16 (2020): 1785-1795.
2. Dinaharan, I., et al. "Application of artificial neural network in predicting the wear rate of copper surface composites produced using friction stir processing." Australian Journal of Mechanical Engineering (2020): 1-12.
3. Kumar, S. Shashi, **N. Murugan**, and K. K. Ramachandran. "Effect of tool tilt angle on weld joint properties of friction stir welded AISI 316L stainless steel sheets." Measurement 150 (2020): 107083.
4. Johnson, Pradeep, and **N. Murugan**. "Microstructure and mechanical properties of friction stir welded AISI321 stainless steel." Journal of Materials Research and Technology (2020).
5. Pandiyarajan, R., et al. "Friction stir welding of hybrid AA 6061-ZrO2-C composites FSW process optimization using desirability approach." Materials Research Express 6.6 (2019): 066553.
6. Ramachandran, K. K., and **N. Murugan**. "Influence of Axial Force on Tensile Strength and Microstructural Characteristics of Friction Stir Buttwelded Aluminum Alloy/Steel Joints." Strength of Materials 51.2 (2019): 300-316.
7. Esther, I., I. Dinaharan, and **N. Murugan**. "Microstructure and wear characterization of AA2124/4wt.% B4C nano-composite coating on Ti− 6Al− 4V alloy using friction surfacing." Transactions of Nonferrous Metals Society of China 29.6 (2019): 1263-1274.
8. Dinaharan, I., R. Thirunavukkarasu, **N. Murugan**, and E. T. Akinlabi. "Microstructure Evolution and Tensile Behavior of Dissimilar Friction Stir-Welded Pure Copper and Dual-Phase Brass." Metallography, Microstructure, and Analysis 8, no. 5 (2019): 735-748.

9. Kumar, S. Shashi**, N. Murugan**, and K. K. Ramachandran. "Friction Stir Welding of AISI 316L Stainless Steel in a 3.5 NaCl Aqueous Solution: Metallurgical and Mechanical Characterization." Materials Performance and Characterization 8.4 (2019): 676-689.

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12. Dinaharan, Isaac, Kumaravel Kalaiselvan, and **Nadarajan Murugan**. "Influence of rice husk ash particles on microstructure and tensile behavior of AA6061 aluminum matrix composites produced using friction stir processing." Composites Communications 3 (2017): 42-46.

13. Ramachandran, K. K., **N. Murugan**, and S. Shashi Kumar. "Influence of tool traverse speed on the characteristics of dissimilar friction stir welded aluminium alloy, AA5052 and HSLA steel joints." Archives of civil and mechanical Engineering 15.4 (2015): 822-830.

14. Kumar, S. Shashi, **N. Murugan**, and K. K. Ramachandran. "Influence of tool material on mechanical and microstructural properties of friction stir welded 316L austenitic stainless steel butt joints." International Journal of Refractory Metals and Hard Materials 58 (2016): 196-205.

15. Kumar, S. Shashi, **N. Murugan**, and K. K. Ramachandran. "Microstructure and mechanical properties of friction stir welded AISI 316L austenitic stainless steel joints." Journal of Materials Processing Technology 254 (2018): 79-90.

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19. Ramachandran, K. K., **N. Murugan**, and S. Shashi Kumar. "Effect of tool axis offset and geometry of tool pin profile on the characteristics of friction stir welded dissimilar joints of aluminum alloy AA5052 and HSLA steel." Materials Science And Engineering: A 639 (2015): 219-233.