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List of Publications

- 1. N.Muralidharan, K. Chockalingam, R. Parameshwaran, K. Kalaiselvan, N. Nithyavathy, Optimization of CNC-WEDM Parameters for AA2024/ZrB2 in situ Stir Cast Composites Using Response Surface Methodology with Desirability Function Technique, Arabian Journal for Science and Engineering, Volume 45, Issue 6,1319-8025, 02 April 2020, Springer publications.
- 2. S.Saravanakumar, S.Gopalakrishnan, **K.Kalaiselvan**, K.B.Prakash, Microstructure and mechanical properties of Cu/RHA composites fabricated by friction stir processing, Materials Today: Proceedings, 2214-7853, 31 March 2020, **Elsevier publications.**
- 3. M.Balakrishnan, I.Dinaharan, **K.Kalaiselvan**, R.Palanivel, Friction stir processing of Al3Ni intermetallic particulate reinforced cast aluminum matrix composites: Microstructure and tensile properties, Journal of Materials Research and Technology, Volume 9, Issue 3, May–June 2020, Pages 4356-4367, **Elsevier publications.**
- 4. M. Nallusamy S. Sundaram **K. Kalaiselvan**, Fabrication, characterization and analysis of improvements in mechanical properties of AA7075/ZrB2 in-situ composites, *Measurement*, Vol.136 (2019), PP. 356–366. **Elsevier publications.**
- S.Saravanakumar, S.Gopalakrishnan, K.Kalaiselvan and R. Sathiskumar, Experimental Analysis of Copper Matrix Surface Composite Fabricated by Friction Stir Processing, *TAGA journal*, Vol. 14, pp. 298-305, 2018, Swansea Printing Technology Ltd.
- 6. N. Muralidharan, K. Chockalingam, I. Dinaharan, **K. Kalaiselvan**, Microstructure and mechanical behavior of AA2024 aluminum matrix composites reinforced with in situ synthesized ZrB2 particles, Journal of Alloys and Compounds, Volume 735, 25 February 2018, Pages 2167–2174, **Elsevier publications.**
- 7. I. Dinaharan, S. Saravanakumar, **K. Kalaiselvan**, S. Gopalakrishnan, Microstructure and sliding wear characterization of Cu/TiB2 copper matrix composites fabricated via friction stir processing, Journal of Asian Ceramic Societies, 5 (2017) 295–303, **Elsevier publications.**
- 8. I. Dinaharan, **K. Kalaiselvan**, E.T. Akinlabi, J. Paulo Davim, Microstructure and wear characterization of rice husk ash reinforced copper matrix composites prepared using friction stir processing, Journal of Alloys and Compounds 718 (2017) pp.150-160, **Elsevier publications.**
- 9. S. Saravanakumar, S. Gopalakrishnan, I. Dinaharan, **K. Kalaiselvan**, Assessment of microstructure and wear behavior of aluminum nitrate reinforced surface composite

- layers synthesized using friction stir processing on copper substrate, Surface & Coatings Technology 322 (2017) pp. 51–58, **Elsevier publications.**
- 10. Dinaharan I, **Kalaiselvan K**, Murugan N. "Influence of rice husk ash particles on microstructure and tensile behavior of AA6061 aluminum matrix composites produced using friction stir processing, Composites Communications Volume 3, March 2017, Pages 42–46, **Elsevier publications**
- 11. **Kalaiselvan, K**, I. Dinaharan, and Murugan, N. "Characterization of friction stir welded boron carbide particulate reinforced AA6061 aluminum alloy stir cast composite" **Materials and Design,** Materials and Design, 55 pp.176–182, 2014, **Elsevier publications.**
- 12. **Kalaiselvan, K.** and Murugan, N. "Role of Friction Stir Welding Parameters on Tensile Strength of the AA6061-B4C Composite Joints", **Transactions of Nonferrous Metals Society of China**, Vol.23, Issue No. 3, pp. 616–624, 2013, **Elsevier publications.**
- 13. **Kalaiselvan, K.** and Murugan, N. "Dry sliding wear behavior of friction stir welded aluminum (6061) -B4C composite", **International Journal of Microstructure and Materials Properties**, Vol.8, No. 3, pp. 239–251, 2013, **Inderscience publications.**
- 14. **Kalaiselvan, K.** and Murugan, N. "Optimizations of friction stir welding process parameters for the welding of Al-B4C composite plates using generalized reduced gradient method", **Procedia Engineering**, Vol.38, pp. 49–55, 2012, **Elsevier publications.**
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- 16. P.Anandakumar, K.Kalaiselvan ,I.Dinakaran , S.J. Vijay, Dr.N.Murugan, The Effect of Friction Powder Processing on Microstructure and Mechanical Characteristics of SiC Reinforced Aluminum Alloy, International Journal of Composite Materials and
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- 17. P.Raja, **K.Kalaiselvan**, I.Dinaharan, Evaluation of Microstructure and Mechanical Properties of Friction Stir Welded Cast and Wrought Aluminium Alloy (6061-T6) Joint, **International Journal of Business Research and Manufacturing Management** (ISSN 2231-5349), Vol.02, No.01, PP.1-4, 2012, **BMR Publications.**
- 18. P.Raja, **K.Kalaiselvan**, I.Dinaharan, Evaluation of Microstructure and Mechanical Properties of Friction Stir Welded Cast and Wrought Aluminium Alloy (6061-T6) Joint, **International Journal of Business Research and Manufacturing Management** (ISSN 2231-5349), Vol.02, No.01, PP.1-4, 2012, **BMR Publications.**
- 19. M.Selvakumar, G.P.Rajamani, **K.Kalaiselvan**, Synthesis and characteristic of AA6061/SiC sand cast composite, **Applied Mechanics and Materials** Vol. 591 (2014) pp 43-46, **Scientific.Net Materials Science and Engineering**

20. R.Dhayalan, **K.Kalaiselvan**, R.Sathiskumar, Characterization of AA6063/SiC-Gr Surface Composites Produced by FSP Technique, **Procedia Engineering**, Vol.97 (2014), pp 625 – 631, **Elsevier publications**.