

Name : Dr.K.Kalaiselvan

Designation : Professor

Institution : Dr.N.G.P. Institute of Technology,Coimbatore

Department : Mechanical

Email : kalaiselvan@drngpit.ac.in

kalaiselvanmohit@gmail.com

International Journals:

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.Dinakaran, 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.
5. 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. Dinakaran, 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.