

List of Publication: Dr.K.Lingadurai

1. P.Karuppusamy, K.Lingadurai, P.Sivananth, Effects of T4 and T6 Heat Treatments on the Wear Behaviour of WC-Reinforced Mg Alloy Matrix Composite, Transactions of the Indian Institute of Metals, 73, 521–530, 2020.
2. P.Karuppusamy, K.Lingadurai, P.Sivananth, Wear and Corrosion behavior of titanium carbide metal matrix composite for automobile brake and applications, International Journal of Materials Engineering, Innovation., 10(3), 246-267, 2019.
3. P.Karuppusamy, K.Lingadurai, P.Sivananth, Influence of Cryogenic Treatment on AS-cast AZ91+1.5wt% WC Mg-MMNC wear Performance, Journals of Advances in materials & Metallurgy, 4, 185-197, 2019.
4. P.Karuppusamy, K.Lingadurai, P.Sivananth, To study of the role of WC reinforcement and deep cryogenic treatment on AZ91 MMNC wear behavior using multilevel factorial design, Journal of tribology, 4, 041608-11, 2019.
5. M.Chellappan, K.Lingadurai, P.Sathiya, Characterization and Optimization of TIG welded super martensitic stainless steel using TOPSIS, Materials Today: Proceedings 4, 1662–1669, 2017.
6. R.Mukesh, K.Lingadurai and U.Selvakumar, Airfoil shape optimization based on Surrogate Model, Journal of Intustrial Enggineering.(India):SeriesC, 1-8, 2017.
7. I.J.Prem Kumar, K.Lingadurai and K.Raja, Performance and Emission Characteristics of Diesel-Rice bran biodiesel blend ratios using different piston dimensions in diesel engine, Internation Journal of Chemical Technology Research, 10(9), 322-332, 2017.
8. R.Nishanth, K.Lingadurai, S.Periyannan and K.Balasubramaniam, Unltrasonic waveguide-based distributed temperature measurement on a soil surface, Journal of the British Institute of NDT, INSIGHT-NDT&CM, 59(7), 358-363, 2017.
9. K.Lingadurai, I.J.Prem Kumar and G.Navaneetha Krishnan, Investigation of Production and Evaluation of Mono Alkyl Ester in Compression ignition Engines, Internation Journal of Chemical Technology Research, 10(2),1071-1078, 2017.
10. M.Chellappan, K.Lingadurai, P.Sathiya, K.Devakumaran and K.Raja, Effect of Heat Input on Mechanical and Metallurgical Properties of Gas Tungsten Arc Welded Lean Super Martensitic Stainless Steel, Materials Research, 19(3), 572-579, 2016.

11. B.Ashokkumar, K.Lingadurai, K.Raja, P.Ganesan and S.Viram, Prediction Effect of Fiber Content on Mechanical Properties of Banana and Madar Fiber Hybrid Polyester Composite, *Advances in Natural and Applied Sciences*, 10(7), 180-183, 2016.
12. K.Yoganandam, K.Raja and K.Lingadurai, Mechanical and Micro Structural Characterization of Al6082-TiO₂ Metal Matrix Composites produced via Compo Casting Method, *Indutrial Journal of Science &Technology*, 9(41), 1-4, 2016.
13. P.Sathiskumar, S.Dharmalingam, K.Raja and K.Lingadurai, Investigation on Electrochemical Micro Machining of Al 6061-6% wt Gr based on Taguchi design of Experiments, *Internation Journal of Chemical Technology Research*, 7(1), 203-211, 2015.
14. P.Ganesan, K.Raja, K.Lingadurai and M.Kaliappan, Design and Development of Alternate composite Materials for an Automobile Drive Shaft, *International Journal of Applied Engineerng Research*, 10(15), 12051-12057, 2015.
15. P.Ganesan, K.Raja, K.Lingadurai and M.Kaliappan, Analysis of an Automobile Drive shaft with various composite materials, *International Journal of Applied Engineerng Research*, 10(50), 588-594, 2015.
16. P.Ganesan, K.Raja, K.Lingadurai and M.Kaliappan, Finite Element Analysis of Alternate Composte Material for an Automobile Drive shaft, *International Journal of Applied Engineerng Research*, 10(49), 447-452, 2015.
17. V.S.Chandra Sekar, K.Raja, and K.Lingadurai, Investigation on Mechanical Behaviour of Composite Materials based Torsion / Anti-Roll bar for Automobiles, *International Journal of Applied Engineerng Research*, 10(49), 434-438, 2015.
18. M.Chellappan, K.Lingadurai, and P.Sathiy, Effect of flux on microstructure and mechanical properties of super martensitic stainless steel using activated tungsten inert gas welding process, *International Journal of Applied Engineerng Research*, 10(22), 43097- 43102, 2015.
19. R.Mukesh, K.Lingadurai and U.Selvakumar, Kriging Methodology for Surrogate Based Airfoil Shape Optimization, *Arabian Journal of Science & Engineering*, Springer, 39(10), 7363-7373, 2014.
20. R.Mukesh, K.Lingadurai and U.Selvakumar, Airfoil Shape Optimization Using Non-Traditional Optimization Technique and its Validation, *Journal of King Saud University Engineering Science*, Elsevier, 26(2), 191-197, 2014.

21. R.Mukesh and K.Lingadurai, Design Optimization of Airfoil and its Validation using Wind Tunnel, Australian Journal of Basic & Applied Science, AENIS, 8(17), 476-482, 2014.
22. S.Muthukumar and K.Lingadurai, Investigating the Mechanical Behavior of Coconut shell and Groundnut shell reinforced polymer composite, Global Journal of Engineering, & Science, 1(3), 19-23, 2014.
23. R.Nishanth, K.Lingadurai, V.Malolan and M.R.M.Babu, Structural Health Monitoring of Thin Aluminum Plate Using Acoustic Sensors, Advanced Material Research, 622-623, 1389-1395, 2012.
24. R.Mukesh, R.Pandiyarajan, U.Selvakumar and K.Lingadurai, Influence Of Search Algorithms On Aerodynamic Design Optimization of Aircraft Wings, Procedia Engineering, 38, 2155-2163, 2012.
25. R.Mukesh, K.Lingadurai and U.Selvakumar, Application of Non Traditional Optimization Techniques for Airfoil Shape Optimization, International Journal of Modeling and Simulation in Engineering, Hindawi, Ar ID 636135, 6 Pages, 2012.
26. R.Mukesh, R.Pandiyarajan, U. Selvakumar and K.Lingadurai, Influence of Search Algorithms on Aerodynamic Design Optimization of Aircraft Wings, International Journal of Soft Computing, Medwell Journals, 7(2), 79-84, 2012.
27. K.Lingadurai, B.Nagasivamuni, M.Muthukamatchi, S.Muthiah and J.Palavesam M.KanthaBabu, Selection of Wire Electrical Discharge Machining process parameters on Stainless Steel AISI Grade 304 using Design of Experiments approach, Journal of Institution of Engineering (India) Series C, 93 (2), 163-170, 2012.
28. R.Mukesh, K.Lingadurai and K. Elamvaluthi, Influence of Optimization Algorithm on Airfoil Shape Optimization of Aircraft Wings, Applied Mechanics and Materials, Trans Tech Publications, 232, 614-619, 2012.
29. R.Mukesh and K.Lingadurai, Aerodynamic Optimization Using Simulated Annealing and its Variants, International Journal of Engineering Trends and Technology, 2(3), 73-77, 2011.
30. R.Mukesh and K.Lingadurai, Aerodynamic optimization using simulated Annealing, International Journal of Applied Engineering, Eureka Press, 121-124, 2011.