

Dr. K. LINGADURAI

Professor

Mechanical Engineering

Anna University College of Engineering

Silvarpatti, Dindigul - 624622

PUBLICATIONS:

SL. NO	TITLE	YEAR
1.	Interfacial Microstructure Analysis of AA2024 Welded Joints by Friction Stir Welding T Rajkumar, K Raja, K Lingadurai, SD Vetrivel, AG Antony JOURNAL OF NEW MATERIALS FOR ELECTROCHEMICAL SYSTEMS 23 (2), 123-132	2020
2.	Effects of T4 and T6 Heat Treatments on the Wear Behaviour of WC-Reinforced Mg Alloy Matrix Composite P Karuppusamy, K Lingadurai, V Sivananth Transactions of the Indian Institute of Metals, 1-10	2020
3.	Biodiesel production from Caulerpa racemosa (macroalgae) oil M Balu, K Lingadurai, P Shanmugam, K Raja, NB Teja, V Vijayan NISCAIR-CSIR, India	2020
4.	Performance analysis of NACA2411 ice accreted original and optimized airfoils M Krishnakumar, K Lingadurai, R Mukesh, L Princeraaj, V Naveen, ... AIP Conference Proceedings 2128 (1), 050002	2019
5.	To study the role of WC reinforcement and deep cryogenic treatment on AZ91 MMNC wear behavior using multilevel factorial design P Karuppusamy, K Lingadurai, V Sivananth Journal of Tribology 141 (4)	2019
6.	Microstructure and mechanical properties of laser-welded dissimilar joint of AISI316 stainless steel and AISI1018 low alloy steel MP Prabakaran, GR Kannan, K Lingadurai Caribbean Journal of Science 53, 978-998	2019
7.	Wear and corrosion behaviour of titanium carbide reinforced metal matrix composites for automobile brake disc application V Sivananth, P Karuppusamy, K Lingadurai International Journal of Materials Engineering Innovation 10 (3), 246-267	2019
8.	Influence of Cryogenic Treatment on As-Cast AZ91+ 1.5 wt% WC Mg-MMNC Wear Performance P Karuppusamy, K Lingadurai, V Sivananth Advances in Materials and Metallurgy, 185-197	2019

SL. NO	TITLE	YEAR
9.	Airfoil Shape Optimization based on Surrogate Model R Mukesh, K Lingadurai, U Selvakumar Journal of The Institution of Engineers (India): Series C 99 (1), 1-8	2018
10.	Ultrasonic waveguide-based distributed temperature measurement on a solid surface R Nishanth, K Lingadurai, S Periyannan, K Balasubramaniam Insight-Non-Destructive Testing and Condition Monitoring 59 (7), 358-363	2017
11.	Characterization and Optimization of TIG welded supermartensitic stainless steel using TOPSIS SP Chellappan.M, Lingadurai.K Materials Today: Proceedings 4 (2017), 1662-1669	2017
12.	Performance and Emission Characteristics of Diesel-Soybean Methyl Ester Blends using Variable Piston Geometry in Direct Injection Compression Ignition Engine IJ Kumar, K Lingadurai, K Raja, P Ganeshan Asian Journal of Research in Social Sciences and Humanities 7 (2), 208-227	2017
13.	Prediction effect of fiber content on mechanical properties of banana and madar fiber hybrid polyester composite BA Kumar, K Lingadurai, K Raja, P Ganeshan, S Vairam Advances in Natural and Applied Sciences 10 (7 SE), 180-184	2016
14.	Effect of heat input on mechanical and metallurgical properties of gas tungsten arc welded lean super martensitic stainless steel Chellappan. M, Lingadurai. K, Sathiya. P, Devakumaran. K and Raja. K Journal of Materials Research (ibero- american journal of materials) 19 (3 ...	2016
15.	Mechanical and Micro Structural Characterization of Al6082-TiO2 Metal Matrix Composites produced via Compo Casting Method K Yoganandam, K Raja, K Lingadurai Indian Journal of Science and Technology 9 (41), 1-4	2016
16.	Lingadurai. K., Kaliappan, M., Design and Development Of Alternate Composite Material For An Automobile Drive Shaft P Ganeshan, K Raja International Journal of Applied Engineering Research 10, 12051-12057	2015
17.	Effect of flux on microstructure and mechanical properties of super martensitic stainless steel using activated tungsten inert gas welding process KLPS M.Chellappan International Journal of Applied Engineering Research 10 (22), 43097-43102	2015
18.	Investigation on Electrochemical Micro Machining of Al 6061-6% wt Gr based on Taguchi design of experiments P Satishkumar, S Dharmalingam, K Raja, K Lingadurai, G Padmanaban International Journal of Chem Tech Research 7 (01), 203-211	2015