

### **Publication Details of Prof.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, 2020, 521–530, ISSN: 0972-2815,
- 2 P.Karuppusamy, K.Lingadurai, P.Sivananth, “Wear and Corrosion behavior of titanium carbide metal matrix composite for automobile brake and applications” *Int. J. of Mat. Engg., Inov.*, 10(3), 246-267, 2019, ISSN: 17572762,
- 3 P.Karuppusamy, K.Lingadurai, P.Sivananth, “Influence of Cryogenic Treatment on AS-cast AZ91+1.5wt% WC Mg-MMNC wear Performance” *Advances in materials & Metallurg* 4, 2019, 185-197, ISSN: 0742-4787,.
- 4 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”, *Int.J.of Chem. Tech. Res.*, 2017, 10(9), 322-332, ISSN:0974-4290, DOI: [http://www.sphinxssai.com/2017/ch\\_vol10\\_no9/1/\(322-332\)V10N9CT.pdf](http://www.sphinxssai.com/2017/ch_vol10_no9/1/(322-332)V10N9CT.pdf). (IF-0.14).
- 5 R.Nishanth, K.Lingadurai, S.Periyannan and K.Balasubramaniam, “Unltrasonic waveguide-based distributed temperature measurement on a soil surface”, *J.of the British Inst. Of NDT, INSIGHT-NDT&CM*, 59(7), 2017, 358-363, ISSN: 1354-2575 DOI: [www.ingentaconnect.com/contentone/bindt/insight/2017/00000059/00000007/art00004](http://www.ingentaconnect.com/contentone/bindt/insight/2017/00000059/00000007/art00004), UGC-J.No. 21251. (IF-0.3).
- 6 K.Lingadurai, I.J.Prem Kumar and G.Navaneetha Krishnan, “Investigation of Production and Evaluation of Mono Alkyl Ester in Compression ignition Engines”, *Int.J.of Chem. Tech. Res.*, 2017, 10(2), 1071-1078, ISSN: 0974-5649, DOI: [www.sphinxssai.com/2017/ch\\_vol10\\_no2/3/\(1071-1078\)V10N2CT.pdf](http://www.sphinxssai.com/2017/ch_vol10_no2/3/(1071-1078)V10N2CT.pdf), (IF-0.14).
- 7 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 Res.*, 2016, 19(3), 572-579, ISSN: 1516-1439, DOI: 10.1590/1980-5373-MR-2015-0538 (or) DOI: [www.scielo.br/pdf/mr/v19n3/1516-1439-mr-1980-5373-MR-2015-0538.pdf](http://www.scielo.br/pdf/mr/v19n3/1516-1439-mr-1980-5373-MR-2015-0538.pdf), UGC-J.No.3983. (IF-0.4).
- 8 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”, *Adv.Int.Natu.&App.Sci.*, 2016, 10(7), 180-183, ISSN: 1995-0772,
- 9 K.Yoganandam, K.Raja and K.Lingadurai, “Mechanical and Micro Structural Characterization of Al6082-TiO<sub>2</sub> Metal Matrix Composites produced via Compo Casting Method”, *Ind.J. Sci. &Tech.*, 2016, 9(41), 1-4, ISSN: 0974-5645, DOI: [www.indjst.org/index.php/indjst/article/view/101975/74715](http://www.indjst.org/index.php/indjst/article/view/101975/74715), (IF-0.2).
- 10 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”, *Int.J.of Chem. Tech. Res.*, 2015, 7(1), 203-211, ISSN: 0974-4290, DOI: [sphinxssai.com/2015/ch\\_vol7\\_no1/3/\(203-211\)%20014.pdf](http://sphinxssai.com/2015/ch_vol7_no1/3/(203-211)%20014.pdf), (IF-0.14).
- 11 P.Ganesan, K.Raja, K.Lingadurai and M.Kaliappan, “Design and Development of Alternate composite Materials for an Automobile Drive Shaft”, *Int. J. of App. Engg. Res.*, 2015, 10(15),

12051-12057,ISSN:0973-4562,DOI:<https://www.ripublication.com/Volume/ijaerv10n15spl.htm>. UGC-J.No.64529.

- 12 P.Ganesan, K.Raja, K.Lingadurai and M.Kaliappan, “Analysis of an Automobile Drive shaft with various composite materials”, *Int.J.App. Engg. Res.*, 2015, 10(50), 588-594, ISSN:0973-4562, DOI: <https://www.ripublication.com/Volume/ijaerv10n50spl.htm>. UGC-J.No.64529.
- 13 P.Ganesan, K.Raja, K.Lingadurai and M.Kaliappan,”Finite Element Analysis of Alternate Composite Material for an Automobile Drive shaft”, *Int. J. of App. Engg. Res.*, 2015, 10(49), 447-452, ISSN: 0973-4562, DOI: <https://www.ripublication.com/Volume/ijaerv10n49spl.htm>. UGC-J.No.64529.
- 14 V.S.Chandra Sekar, K.Raja, and K.Lingadurai, “Investigation on Mechanical Behaviour of Composite Materials based Torsion / Anti-Roll bar for Automobiles”, *Int. J. of App. Engg. Res.*, 2015,10(49),434-438,ISSN:0973-4562,DOI:<https://www.ripublication.com/Volume/ijaerv10n49spl.htm>. UGC-J.No.64529.
- 15 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”, *Int. J. of App. Engg. Res.*, 2015, 10(22), 43097- 43102, ISSN 0973-9769, DOI: [www.ripublication.com/Volume/ijaerv10n22.htm](http://www.ripublication.com/Volume/ijaerv10n22.htm). UGC-J.No.64529.
- 16 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, 2019, 041608-11, ISSN: 0742-4787,
- 17 M.Chellappan, K.Lingadurai, P.Sathiya, “Characterization and Optimization of TIG welded super martensitic stainless steel using TOPSIS” *Materials Today: Proceedings* 4, 2017, 1662–1669, ISSN: 2214-7853.
- 18 .Mukesh, K.Lingadurai and U.Selvakumar, “Airfoil shape optimization based on SurrogateModel”*J.Inst.Engg.(India):SeriesC*,2017,1-8,ISSN:2250-0545, DOI:[link.springer.com/article/ 10.1007/s40032-017-0382-x](https://link.springer.com/article/10.1007/s40032-017-0382-x). UGC-J.No.11116. (IF-0.24).