

### Last 5years publication list

1. **Ramesh Kumar KA**, Balamurugan K & Gnanaraj D March 2015, 'Hardness, Tribology and Micro structural studies on Aluminium – Flyash metal Matrix Composites', Journal of scientific and Industrial Research, vol.74, no.3, pp.165-170.
2. **Ramesh Kumar, KA**, Girimurugan,R, M.M.Jegan,March 2015, "Numerical Investigation of Reactant Gases Pressure Distribution at Gas Diffusion Layer in High Temperature PEM Fuel Cell with Single Flow Channel Configuration" International Journal of Research (IJR), Volume 2, Issue 3, pp.303-308.
3. **Dr.K.A.Rameshkumar**, D.Gnanaraj August 2015, "Mechanical Properties Investigation on Al-n-SiC Metal Matrix Composites" International Journal of Machine and Construction Engineering (IJMCE), Volume-2, Special issue, pp.8-11.
4. **Dr.K.A.Rameshkumar**, D.Gnanaraj September 2015, "Investigation of Performance Characteristics of a Polymer Coated Suspension Spring" International Journal of Machine and Construction Engineering (IJMCE), Volume-2, Special issue,pp.1-7
5. **Dr.K.A.Ramesh Kumar**, D.Gnanaraj September 2015, "Evaluation of Mechanical Properties of Sisal and Coir Reinforced Hybrid Composites Using Epoxy Resin" International Journal of Machine and Construction Engineering (IJMCE), Volume-2, Special issue, pp.12-17.
6. **Dr.K.A.Ramesh Kumar**, September 2015, "Experimental Analysis in Mechanical Properties of Grain Refined Eutectic Al-Si Alloy with Different Percentage of mg Addition" International Journal of Machine and Construction Engineering (IJMCE), Volume 2, Issue 3, pp.1-5
7. **Dr.K.A.Ramesh Kumar**, September 2015, "Investigation of Mechanical Properties on 304 Stainless Steel with Different Composition of Nickel" International Journal of Machine and Construction Engineering, Volume 2, Issue 3, Sep 2015 pp.6-8.
8. **Dr.K.A.Ramesh Kumar**, September 2015, "Investigation of Mechanical Properties on Epoxy, Fly Ash and E - Glass Fiber Reinforcement Composite Material" International Journal of Machine and Construction Engineering, Volume 2, Issue 3, Sep 2015, pp.9-12.
9. **Dr.K.A. Ramesh Kumar**, 2016, "Experimental Investigation Of Net Heat Release Rate Of A Variable Compression Ratio Diesel Engine Operating With Honge Oil Blends For Different Crank Angles" International Journal of Advance Research and Innovative Ideas in Education, Volume 2, pp.1086-1094.

10. K. Gowtham, **K. A. Ramesh Kumar**, P. Maadeswaran, August 2016, "Experimental Investigation of Portable Solar Thermal Energy Storage System using Fatty Acid as a Phase Change Material" International Journal of Engineering Research & Technology, Volume.5, pp.289-297.
11. **Dr.K.A.Ramesh Kumar**, October 2016, "Performance Studies on Single Flow Channel Proton Exchange Membrane Fuel Cell under Different Cell Potentials" International Journal for Innovative Research in Science & Technology, Volume 3 , Issue 05, pp.132-137.
12. K.Ramya, **K.A.Ramesh Kumar**, August 2017, "Smart Power Gen using renewable sources with Intelligent Energy Storage system in grid" International Journal for Research in Applied Science and Engineering Technology, Volume 5, Issue 08,pp.1660-1667.
13. T.Yuvaraja, **K.A.Ramesh Kumar**, August 2017, "Fuzzy Based ALO Implementation for fast patrol craft tests in marine Industry using wind energy conversion system for multi objective power dispatch" Volume 5, Issue 08,pp.1668-1675.
14. D.Gnanaraj, R.Vijayan, A.Saravanan, **K.A.Rameshkumar**, November 2017 "Enhancing Convective Heat Transfer in a Double Glazing V-Trough Solar Collector Using Horizontal And Vertical Wing Cut Twisted Tape Inserts" Perspectivas em Ciencia da Informacao, v.22, sp.5, p.312, Nov. 2017 ISSN 1413-9936.
15. T. Chinnadurai, M. Natesh, S. Arungalai Vendan, R. Dinek, **K. A. Ramesh Kumar**, December 2017, "Experimental Studies on Thermo-Mechanical Behavior of Ultrasonically Welded PC/ABS Polymer Blends" © Springer Science+Business Media B.V., part of Springer Nature 2017.
16. D.Gnanaraj, R.Vijayan, A.Saravanan, **K.A.Rameshkumar**, 2018, "Ga Based Optimal Design Of Double Glazing V-Trough Solar Collector Using Horizontal And Vertical Wing Cut Twisted-Tape Inserts" Taga Journal of Graphic Technology, vol.14, pp.2799-2822, ISSN 1748-0345.
17. S.G. Rahula, G. Dhivya, P. Kavithaa, S. Arungalai Vendana, **K.A. Ramesh Kumar**, Akhil Garg, Gao Liang, October 2018, "Model reference adaptive controller for enhancing depth of penetration and bead width during Cold Metal Transfer joining process", Robotics and Computer Integrated Manufacturing, Vol.53, pp.122-134.
18. M. Natesh, Liu Yun, S. Arungalai Vendan, **K.A. Ramesh Kumar**, Liang Gaof, Xiaodon Niu, Xiongbing Peng, Akhil Garg, January 2019, "Experimental and numerical procedure for studying strength and heat generation responses of ultrasonic welding of polymer blends" Measurement, vol.132, pp.1-10.
19. T. Yuvaraja and **K. A. Rameshkumar** June 2018, "Sung Reduction in H-Bridge Inverters Connected with PV Source Using Variable Low Bias Modulation" Journal of Computational and Theoretical Nanoscience, Vol. 15, pp.2104–2108,

20. T. Yuvaraja and **K. A. Rameshkumar** June 2018, "Super Capacitor Model and Its Operational Simulation for Photo-Voltaic Generation System" Journal of Computational and Theoretical Nanoscience Vol. 15, 2109–2114,
21. K. Ramya and **K. A. Rameshkumar** June 2018, "Energy Efficiency Improvement in Renewable Distribution System (RDS) Synchronized with Riven Bias Inverter and Reactive Power Control" Journal of Computational and Theoretical Nanoscience Vol. 15, 2115–2120,
22. K. Ramya and **K. A. Rameshkumar** June 2018, "Fuzzy and De-Coupled d-q Control Strategy in Riven Bias Inverter for Islanding Operation in Microgrid" Journal of Computational and Theoretical Nanoscience Vol. 15, 2121–2125.
23. K. Ramya and **K. A. Rameshkumar** November 2018, "Smart Controller For Grid Stabilization In Optoelectric System", International Journal of Electrical Engineering Education, 1-10.
24. T. Yuvaraja and **K. A. Rameshkumar** December 2018, "Fuzzy Control In H-Bridge Mli For Solar Pv System To Enhance Load Sharing", International Journal of Electrical Engineering Education, 1-9.
25. T. Yuvaraja and **K. A. Rameshkumar** December 2018, "Enhanced Frequency Shift Carrier Modulation for H-Bridge Multilevel Converter to Conquer the Impact of Instability in Deputize Condenser Voltage" International Journal of Electrical Engineering Education, 1-11.
26. K. Ramya and **K. A. Rameshkumar** December 2018, "Dsvm De-Coupled Control Scheme Grid Connected 1-Ø Riven Bias Inverter To Suppress High-Frequency Current Commutation", International Journal of Electrical Engineering Education, 1-10.
27. K. Ramya, Yuvaraja Teekaraman, **K.A. Rameshkumar**, October 2019, Fuzzy –Based Energy Management System with Decision Tree Algorithm for Power Security System. vol.12 (2). pp 1173-1178.