

Publications of **Dr.Ramesh Kumar K A (Periyar University)** during last 5 years:

1. **Dr.Ramesh Kumar K A**, Balamurugan K & Gnanaraj D 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 (Annexure 1).
2. **Dr.Ramesh Kumar K A**, Balamurugan K, Gnanaraj D & Ilangoan S, 2014, „Investigations on the effect of fly ash on the SiC reinforced aluminum metal matrix composites“, Advanced composite letters, vol. 23, no.3, pp.59-64 (Annexure 1).
3. **Dr.Ramesh Kumar K A**, Balamurugan K, Gnanaraj D & Ilangoan, S 2013, „A Study on the Effect of SiC Reinforcement on the Surface and Tribological Behavior on Al-Metal Matrix Composites“, Applied Mechanics and Materials, vol. 392, pp.51-56 (Annexure 2).
- 4 **Dr.Ramesh Kumar K A**, Balamurugan K, Arungalai Vendan S & Bensam Raj J 2014, „Investigations on thermal properties, stress and deformation of Al/SiC metal matrix composite based on finite element method“Carbon – Science and Technology, vol.6, pp.1-13 (Annexure 2).
5. **Dr.Ramesh Kumar K A**, Girimurugan,R, December 2014, „Numerical Analysis of Cathode water concentration in high temperature PEM fuel cell with single flow channel“ International Journal for scientific Research and Development, Vol.2, Issue 10, pp.437-440.
- 6 **Dr.Ramesh Kumar K A**, Girimurugan,R, December 2014, „Prediction of single cylinder diesel engine emission characteristics using pongamia oil blends with artificial neural network, International Journal for Research in Applied Science and Engineering Technology, Vol 2 Issue 12, pp.485-489.
- 7.**Dr.Ramesh Kumar K A**, 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
8. **Dr.K.A.Rameshkumar**, D.Gnanaraj 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.
9. **Dr.Ramesh Kumar K A**, D.Gnanaraj 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.
10. **Dr.Ramesh Kumar K A**, D.Gnanaraj 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.
11. **Dr.Ramesh Kumar K A**, 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
12. **Dr.Ramesh Kumar K A**, 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.

13. **Dr.Ramesh Kumar K A**, 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.
14. **Dr.Ramesh Kumar K A**, 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.
15. **Dr.Ramesh Kumar K A**, P. Maadeswaran,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.
16. **Dr.K.A.Ramesh Kumar**, 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.
17. **Dr.Ramesh Kumar K A**, 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.
18. **Dr.Ramesh Kumar K A**, 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,pp1668-1675.
19. **Dr.Ramesh Kumar K A**, Nov 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.
20. **Dr.Ramesh Kumar K A**_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.
21. **Dr.Ramesh Kumar K A**, 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.
22. **Dr.Ramesh Kumar K A**, 2018, Akhil Garg, Gao Liang, 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.