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### **International Journal Publication**

1. Prasanna Venkatesh R., **Ramanathan K.**, and Srinivasan V, (2016), 'Textile, Flexural, Impact and Water Absorption Properties of Natural Fiber Reinforced Polyester Hybrid Composites, *Fibers & Textiles in Eastern Europe*, Vol.24 No.3 (117), pp.90-94.
2. Jamuna Rani M., and **Ramanathan K.**, (2016), 'Design and Analysis of Piping System with Supports Using CAESAR-II, *World academy of science, Engineering and Technology*, Vol.10 No.05, pp.907-911.
3. Kannan S., Ramanathan K and **Elango A.**, (2016), ' A new hybrid approach to Optimize the MRR and Tool wear of EDM for Al/TiC composites', *Applied Mathematics & Information sciences*, Vol.10 (6), pp.2197-2205.
4. Athijayamani A., Chrispin Das M., Sekar S., and **Ramanathan K.**, (2016), 'Mechanical properties of phenol formaldehyde hybrid composites reinforced with natural cellulose fibers', *Bio Resources*, Vol.12(1), pp.1960-1967.
5. Louie Frango T., **Ramanathan K.**, Ramesh Babu G.N.K., and Marimuthu P, (2016), 'Artificial Neural network (ANN) modeling for predicting hardness of Ni-CBN composite coatings', *International journal of advanced engineering technology*, Vol.7, Issue 2, pp.1234-1237.
6. Jayaseelan C., Padmanabhan P., Athijayamani A., and **Ramanathan K.**, (2017), 'Comparative investigation of mechanical properties of epoxy composites with short fibers, macro particles and micro particles', *Bio Resources*, Vol.12 (2), pp.2864-2871.
7. Sujin Jose A., Athijayamani A., **Ramanathan K.**, and Sidharsdhan S, (2016), 'Effects of addition of prosopis juliflora fiber on the physical and mechanical properties of wood dust and coir pith particle reinforced phenol

- formaldehyde hybrid composite', Journal of advances in chemistry, Vol.13, No.10, pp.6558-6562.
8. Athijayamani A., Sekar S., Sidhardhan S., and **Ramanathan K**, (2016), 'Mechanical Properties of Randomly Oriented Calotropis Gigantea Fiber Reinforced Phenol Formaldehyde Biocomposites', Journal of advances in chemistry, Vol.13, No.11, pp.6043-6050.
  9. Balasubramanian M., Ganesh P., **Ramanathan K.**, and Senthil Kumar V, (2017), 'An Experimental Investigation and Numerical Simulation in SPF of AA 5083 Alloy using Programming Logic Control Approach' Journal of Mechanical Engineering, Vol.63 (4), pp. 255-264.
  10. Sujin Jose A, Athijayamani A, **Ramanathan K** and Sidhardhan S, (2017) 'Effects of Aspect Ratio and Loading on the Mechanical Properties of *Prosopis Juliflora* Fiber-reinforced Phenol Formaldehyde Composites', Fibres & Textiles in Eastern Europe, Vol.25, 4(124), pp. 59-64.
  11. Sujin Jose A, Athijayamani A, **Ramanathan K** and Sidhardhan S, (2017) 'Effects of addition of coir pith particles on the mechanical and erosive wear behavior of wood dust particle reinforced phenol formaldehyde composite', Materiali In Tehnologije / Materials and Technology, Vol.51 (5), pp.805-811.
  12. Chrispin Das M, Athijayamani A, Sidhardhan S and **Ramanathan K**, (2017), 'Analysis of the effects of fabrication parameters on the mechanical properties of Areca fine fiber-reinforced phenol formaldehyde composite using Taguchi technique', Journal of Applied Research and Technology, Vol.15, pp.365-370.
  13. Valarmathi G, **Ramanathan K**, Sathiya Narayanan C and Kathiresan M, (2017), 'Optimization of formability of tailor-welded Blanks', Materiali in Tehnologije / Materials and Technology, Vol.52 (2), pp.151-155.
  14. Sekar S, Athijayamani A, **Ramanathan K** and Sidhardhan S (2020), 'Effects of Chemical Modification on the Mechanical Properties of Calotropis Gigantea Fiber-reinforced Phenol Formaldehyde Biocomposites', Materials Science (MEDŽIAGOTYRA) –Vol.26, No.3, pp.295-299.
  15. Perumal P, Ramanathan K, Ganesan L, Subramanian B, Ganesh V and Stalin B (2019), ' Investigation of TiN coating uniformity and its corrosion

- behaviour using image process', Materials research express, Vol.6 (4), pp.(Accepted)
16. Nagasubramanian N, Thansekhar MR, Venkatesan M and Ramanathan K (2020), 'Effect of Al<sub>2</sub>O<sub>3</sub>/water Nanofluid on Conjugate Free Convection in a Baffle Attached Square Enclosure', Mechanika, Vol.26 (2)
  17. Balasubramanian M, Stalin B, Ramanathan K and Ravichandran M (2020), 'Hot tensile test for determining the material constant on superplastic 5083Al alloy sheet', Materials Today: Proceedings, Vol. 21, pp.324-328.

#### **National Journal Publications**

1. Sakthi Sadhasivam RM and **Ramanathan K.** (2018), ' Dry sliding wear behavior of SiC and Zno reinforced aluminium 6061 matrix composite using robust design', Journal of Manufacturing Engineering, Vol. 13, Issue. 2, pp 095-100.