

DEPARTMENT OF MECHANICAL ENGINEERING

STAFF PUBLICATIONS

2016 - 2017

1. Vijayaramnath B, Sharavanan S, Jeykrishanan J, Optimization of process parameters indrilling of fibre hybrid composite using tguchi and grey relational analysis international conference in emerging trends in engineering research 2017 vol 183 pp1-14
2. Vijayaramnath B, Sharavanan S, Jeykrishanan J, Optimization of process parameters indrilling of fibre hybrid composite using tguchi and grey relational analysis international conference in emerging trends in engineering research 2017 vol 183 pp1-14
3. B.Vijaya Ramnath , C. Elanchezhian, M. Deepak, Arvind Narayan,” Investigation of torsional behavior of polymer composite golf shaft”, Volume 4, Issue 2, Part A, 2017, Pages 3342–3345, Elsevier – Materials Today selected from ICMPC16.
4. Vijay B and Vijaya Ramnath B,” Hybrid Metal Matrix Composites and its Development-A Review”, accepted for publication in International Journal Applied Mechanics and Materials selected from ICMME 2017-SCSVM Uty, (Impact factor: 0.4).
5. Karthick P, Vijaya Ramnath B and Vijay B’ “Review on mechanical properties of natural fibres”, accepted for publication in International Journal Applied Mechanics and Materials selected from ICMME 2017-SCSVM Uty, (Impact factor: 0.4).
6. Parswajinan C, Vijaya Ramnath B, Vetrivel M, Syed Mohammed Buhari A. S. A., Muthukumaaran C and Riyaz Ahmed A, “Investigations of mechanical properties of Aluminium Matrix Composite reinforced with B4C and MWCNT”, accepted for publication in International Journal Applied Mechanics and Materials selected from ICMME 2017-SCSVM Uty, (Impact factor: 0.4)
7. C. Parswajinan, B.vijaya Ramnath, Vetrivel M, N.Sai Prasath, Kuralamudhan S and S Balaji,” Mechanical investigation of Aluminum hybrid Composite Reinforced with CNT and Aluminum oxide (Al₂O₃)”, accepted for publication in International Journal Applied Mechanics and Materials selected from ICMME 2017-SCSVM Uty, (Impact factor: 0.4)..
8. B. Vijaya Ramnath C. Elanchezhian, E.Naveen, B.Prasannakumar, V. Kartik Rao ” A review on metal matrix composites”, accepted for publication in International Journal Applied Mechanics and Materials selected from ICMME 2017-SCSVM Uty, (Impact factor: 0.4)..

9. Vijaya Ramnath B, Elanchezhian C, Naveen E, Gowtham S, Arun Kumar A, Muthuvel M.S and Akil R,” A review on aluminium metal matrix composites”, accepted for publication in International Journal Applied Mechanics and Materials selected from ICMME 2017-SCSVM Uty, (Impact factor: 0.4).
10. P. Subramanya Reddy, R. Kesavan, B. Vijaya Ramnath, J. Jeykrishnan, “Application of Fuzzy Grey Relational Analysis for Process Parameter Optimization of EDM on Aluminum Metal Matrix Composites” accepted for publication in International Journal Applied Mechanics and Materials selected from ICMME 2017-SCSVM Uty, (Impact factor: 0.4).
11. Jeyakrishnan J, B Vijayaramnath, C Elanchezhian, S Akilesh, “ Parametric Analysis on Electro chemical Machining of SKD12 Tool steel , “, materialstoday proceedings vol 4 2017 3760-3766.
12. E Naveen B Vijayaramnath, C Elanchezhian, SS Mohamed Nazirudeen, “ Influence of organic corrosion inhibitors on pickling corrosion behaviour of sinter forged C45 steel and 2% Cu alloyed C45 steel”, Journal of alloys and compounds 2017 vol 695 pp 3299-3309
13. Parswajinan C, Vijaya Ramnath B, Vetrivel M, Syed Mohammed Buhari A. S. A., Muthukumaaran C and Riyaz Ahmed A, “Investigations of mechanical properties of Aluminium Matrix Composite reinforced with B4C and MWCNT”, accepted for publication in International Journal Applied Mechanics and Materials selected from ICMME 2017-SCSVM Uty, (Impact factor: 0.4)..
14. C. Parswajinan, B.vijaya Ramnath, Vetrivel M, N.Sai Prasath, Kuralamudhan S and S Balaji,” Mechanical investigation of Aluminum hybrid Composite Reinforced with CNT and Aluminum oxide (Al_2O_3)”, accepted for publication in International Journal Applied Mechanics and Materials selected from ICMME 2017-SCSVM Uty, (Impact factor: 0.4)..
15. Rajendra Prasad A, Krishnaraj S. Ramachandran S, Vasudevan N, Suresh SM, An Approach To the Development of a Green energy farm using Free flow Horizontal Axis Water turbine, International journal of of Mechanical engineering and technology 2017, Vol 8 , PP 25-36.
16. Rajendra Prasad A, Krishnaraj S. Ramachandran S, Vasudevan N, Suresh SM, An Approach To the Development of a Green energy farm using Free flow Horizontal Axis Water turbine, International journal of of Mechanical engineering and technology 2017, Vol 8 , PP 25-36.

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18. Ravinthiran A, Sankar N, Vijaya rajan P, Priyadarshi Dutt, A comparative study and flow analysis of multiple branch pipe flow header used in tube heat exchangers: ” Indian journal of science and technology 2016 Vol 9(48) pp 1-5
19. T.Babu, D.Prabu, J.Jeyakrishnan, p.Vijayarajan, M.Murugan, “ Design and analysis of composite leaf spring under fatigue load condition“, International journal of Engineering technology and management,2017, vol 01.
20. T Prithvi, R Premkumar, R Senthil kumar, “ Abrasive water jet machining of various materials A review”, Advances in natural and applied sciences 2017 special 11(6) pp445-453
21. L Ravikumar, D Chandramohan, “ Flexural test on hybrid Bio composite Materials”, Indian journal of science and technology, 2017 vol 10(7) pp 1-5
22. G. Yuvaraj, Dr.B. Vijaya Ramnath, G. Hemanth raagavendiran, R. Karthikraja, “Investigation Of Flexural And Water Absorption Behaviour Of Epoxy Hybrid Composites”, Advances in Natural and Applied Sciences. 10(7) , 2016, Pages: 34-39.
23. B.Vijaya Ramnath , C.Elanchezhian, D.Keshavan. K. Ashok Kumar, “Prediction of tensile behavior of polymer composite golf shaft”, Volume 4, Issue 2, Part A, 2017, Pages 3356–3360, Elsevier – Materials Today selected from ICMPC16.
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25. Vijayaramnath B, Sharavanan S, Jeykrishanan J, Optimization of process parameters indrilling of fibre hybrid composite using tglich and grey relational analysis international conference in emerging trends in engineering research 2017 vol 183 pp1-14
26. Rajendra Prasad A, Krishnarajc S. Ramachandran S, Vasudevan N, Suresh SM, An Approach To the Development of a Green energy farm using Free flow Horizontal Axis Water turbine, International journal of of Mechanical engineering and technology 2017, Vol 8 , PP 25-36.

27. B.Vijaya Ramnath , C. Elanchezhian, M. Deepak, Arvind Narayan,” Investigation of torsional behavior of polymer composite golf shaft”, Volume 4, Issue 2, Part A, 2017, Pages 3342–3345, Elsevier – Materials Today selected from ICMPC16.
28. Tamiloli, J.Venkatesan, B.Vijaya Ramnath, “Optimization of machining parameter of aluminium alloy using taguchi based regression modeling”, Accepted for publication in Indian Journal of Science and Technology selected from ICMMS’16.
29. Venkataraman.K, Vijaya Ramnath.B, Jaya Kumar.K, “Implementation of mcdm model in lean manufacturing using grey relational analysis in automotive industry”, Accepted for publication in Indian Journal of Science and Technology selected from ICMMS’16.
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31. B.Vijaya Ramnath , S.Rajesh “Investigation on Mechanical Behaviour of Twisted Natural Fiber Hybrid Composite Fabricated by Vacuum Assisted Compression Molding Technique”, *Fibers and Polymers* , Vol.17, No.1, 2016, 80-87. (Impact factor: 1.31).
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35. B. VijayaRamnath , C.Elanchezhian , S.Rajesh , S. Jaya Prakash , B. Manoj Kumaar , K. Rajeshkannan, “Design and Development of Milling Fixture for Friction Stir Welding”. Accepted for publication in Elsevier – Materials Today Proceedings selected from PMME-2016, Paper ID: EMT-440.

36. C.Parswajinan, B.VijayaRamnath, M.Vetrivel, A.Riyaz Ahmed, A.S.A.Syed Mohamed Buhari, C.Muthukumaaran, I.Anish Hilary, "Design and fabrication of Impact Die for Powder Metallurgy". Accepted for publication in Elsevier – Materials Today Proceedings selected from PMME-2016,Paper ID: EMT-388.
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41. C. Parswajinan, B. Vijaya Ramnath, M.Vetrivel,A.Ranjith, B. K. Rohit, S. Vasanth, S. Vignesh, "Determination of Mechanical Behaviour of Fe-CNT MMC". Accepted for publication in Elsevier – Materials Today Proceedings selected from PMME-2016,Paper ID: EMT-383.
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44. K.S. Suresh Kumar, Dr.C. Elanchezhian and **Dr.B. Vijaya Ramnath**: “Wind Effects Of An Upstream Building On A Low-Rise Building” ”- Accepted for publication in Materials Today Proceedings-Elsevier Publications selected form ICAMMAS17 (Impact Factor: 0.53)
45. Siddique Ahmed Ghias, **Vijaya Ramanath.B**, Elanchezhian.C, Siddhartha Devarajan and Ramanan Nandagopan: “Wear analysis of Sintered Al-B₄ C_p Composite Material”- Accepted for publication in Materials Today Proceedings-Elsevier Publications selected form ICAMMAS17 (Impact Factor: 0.53)
46. Sri Murugan, **Vijaya Ramnath.B**, Elanchezhian.C and Ramanan Nandagopan: “Analysis of Mechanical and Metallurgical Properties Of PMC Gear Material” ”- Accepted for publication in Materials Today Proceedings-Elsevier Publications selected form ICAMMAS17 (Impact Factor: 0.53)
47. S.Rajesh, **B.Vijaya Ramnath**, C.Elanchezhian and S.Vivek : “Experimental Investigation of Tensile and Impact Behavior of Aramid-Natural Fiber Composite” ”- Accepted for publication in Materials Today Proceedings-Elsevier Publications selected form ICAMMAS17 (Impact Factor: 0.53)
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51. M Balachandar, **B Vijaya Ramnath**, R Barath and R Bharath Sankar: “Mechanical Characterization of Natural Fiber Polymer Composites” - Accepted for publication in Materials Today Proceedings-Elsevier Publications selected form ICAMMAS17 (Impact Factor: 0.53)

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53. N Thinakaran, C. Elanchezhian, **B Vijaya Ramnath** and J Jayaprakash: “Optimization of Total Cost in Inventory Routing Problem with Homogenous type of Vehicles using Metaheuristic algorithm – A Review” - Accepted for publication in Materials Today Proceedings-Elsevier Publications selected form ICAMMAS17 (Impact Factor: 0.53)
54. **B Vijaya Ramnath**, C. Elanchezhian, V.M. Manickavasagam, R Surya Narayanan, R Sudharshan and G Pugazhendhi: “a review on sandwich composites and their advancements” - Accepted for publication in Materials Today Proceedings-Elsevier Publications selected form ICAMMAS17 (Impact Factor: 0.53)
55. Balachandar Munisamy and **Vijaya Ramnath.B**: “Mechanical behaviour of natural and glass fiber reinforced with polymer matrix composite” - Accepted for publication in Materials Today Proceedings-Elsevier Publications selected form ICAMMAS17 (Impact Factor: 0.53)
56. Balachandar Munisamy and **Vijaya Ramnath.B**: “Experimental evaluation on Mechanical Properties of Natural Fiber Polymer Composites with Human Hair” - Accepted for publication in Materials Today Proceedings-Elsevier Publications selected form ICAMMAS17 (Impact Factor: 0.53)
57. A Raja, C. Elanchezhian and **B. Vijaya Ramnath**: “An Integrated Approach in Selecting Best Supplier Selection Process in Supply Chain Management Using MAT LAB-A Review” - Accepted for publication in Materials Today Proceedings-Elsevier Publications selected form ICAMMAS17- SIT (Impact Factor: 0.53)
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