

1. Amuthakkannan P, Arumuga Prabu V, Manikandan V, Cardona Francisco and M.T.H. Sultan, A Study on the Crushing Behavior of Basalt Fiber Reinforced Composite Structures, IOP Conf. Series: Materials Science and Engineering 152 (2016) 012052. doi:10.1088/1757-899X/152/1/012052.
2. P. Amuthakkannan, V. Manikandan, M. Ayyanar Raja, S. Rajesh, Wear Characterization of Aluminium / Basalt Fiber Reinforced Metal Matrix Composites - A Novel Material, Tribology in Industry, Vol. 39(2), pp. 219-227, 2017. DOI: 10.24874/ti.2017.39.02.09.
3. P. Amuthakkannan and V. Manikandan, Free Vibration and Dynamic Mechanical properties of basalt fiber reinforced polymer composites, Indian Journal of Engineering and Material science, Vol. 25, pp. 265 – 270, 2018.
4. K.ArunPrasath, P.Amuthakkannan, R.Deepak Joel Johnson, V.Arumugaprabu, A Novel Topological Approach in Mechanical Properties of Basalt/Flax Hybrid Composites, AIP conference Proceedings, Vol. 2128 (1), 2019. <https://doi.org/10.1063/1.5117913>.
5. K Arun Prasath, P Amuthakkannan, V Arumugaprabu and V Manikandan, Low velocity impact and compression after impact damage responses on flax/basalt fiber hybrid composites, Materials Research Express, Vol. 6(11), 115308, 2019. doi.org/10.1088/2053-1591/ab43f4.
6. K Arun Prasath, P Amuthakkannan, V Arumugaprabu and V Manikandan, Low velocity impact, compression after impact and morphological studies on flax fiber reinforced with basalt powder filled composites, Materials Research Express, Vol. 7(1), 015317, 2020. <https://doi.org/10.1088/2053-1591/ab611e>.
7. K Arun Prasath, P Amuthakkannan, V Arumugaprabu and V Manikandan, Fibre Weight and Fibre Length Optimization of Short Flax Fibre Reinforced Polyester Composites Using Robust Design Analysis, Key Engineering Materials,(2020), in press.
8. K Arun Prasath, P Amuthakkannan, V Arumugaprabu and V Manikandan, Mechanical Property Evaluation of Tailor Made Flax/Glass Fiber Reinforced Hybrid Polyester Composite, International Journal of Engineering and Advanced Technology, 9(1) (2020), 44-47.
9. K Arun Prasath, P Amuthakkannan, V Arumugaprabu and V Manikandan, Performance studies on flax fiber reinforced polymer composites – An effect on fiber orientation- International Journal of Recent Technology and Engineering, 8(4), (2020),204-207.
10. K Arun Prasath, P Amuthakkannan, V Arumugaprabu and V Manikandan, Sustainable Utilization of Flax Fiber Polymer Composites: A Review - Current Materials Science, 13(13), 126-138, (2020). DOI: [10.2174/2666145413666200106143030](https://doi.org/10.2174/2666145413666200106143030).
11. Suhas Yeshwant Nayak, Mohamed Thariq Hameed Sultan, Satish B Shenoy, Chandrakant R Kini, Rashmi Samant, Ain Umaira Md Shah, P Amuthakkannan, Potential of Natural Fibers in Composites

for Ballistic Applications—A Review, Journal of Natural Fibers, <https://doi.org/10.1080/15440478.2020.1787919>.

12. K Arun Prasath, V Arumugaprabu, P Amuthakkannan, K Naresh, MS Muthugopal, M Jeganathan, R Pragadeesh, Quasi Static And Flexural Mechanical Property Evaluation Of Basalt/Flax Reinforced Composites, Materials Physics and Mechanics, 46, pp. 132-138, 2020. doi: [10.18720/MPM.4612020_13](https://doi.org/10.18720/MPM.4612020_13).
13. K Arun Prasath, V Arumugaprabu, P Amuthakkannan and V Manikandan, Synergistic utilization of flax fiber polymer composites: A Review, Advanced materials letters, 12(1), 21011590, 2020. DOI: 10.5185/amlett.2021.011590.
14. V. Manikandan, P. Amuthakkannan, A. Muthiah, Effect of Abrasive Water Jet Machining Parameters—An Experimental Investigation, International Journal of Composite and Constituent Materials, 6(2), 21-23, 2020.
15. P. Amuthakkannan & A.Muthiah, Prediction of cutting force in end milling process of AISI 304 steel using RSM, International conference on Challenges and opportunities development of smart cities 2020, 23-25 Jan 2020, P.S.R Engineering College, Sivakasi.
16. P. Amuthakkannan, V. Arumugaprabu, R. Deepak Joel Johnson, K. Arun Prasath, Machining Studies of Basalt Fiber Reinforced Aluminium Metal Matrix Composites Using Abrasive Jet Machining, Second Indo-Brazil Bilateral International Conference on Advanced Materials & Processing – amp17, KLU, 2017.
17. K. Arun Prasath, P. Amuthakkannan, V. Arumuga prabu, Deepak Joel Johnson. R, Jagadeesan. R, Optimization of fiber weight and fiber length for fabrication of short flax fiber reinforced polymer composites using Robust design analysis, International conference on contemporary Design and Analysis of manufacturing and industrial engineering system, 18-20 January 2018, NIT Trichy.
18. M. Ayyanar Raja, V.Manikandan, P.Amuthakkannan, I. Balasubramanian, Optimization of Abrasive Jet Machine and Stir Cast AA7075/Basalt particulate Composite Parameters Using Taguchi and
19. Grey Relational Analysis, 3rd International Conference on “Advanced Manufacturing and Automation” (INCAMA-2018), 5th to 6th April 2018, Kalasalingam University.
20. Arun Prasath, P.Amuthakkannan, R. Deepak Joel Johnson, V. Arumugaprabu, V.Manikandan, Review On Flax Fibre Reinforced Polymer Composites And Its Applications, 3rd International Conference on “Advanced Manufacturing and Automation” (INCAMA-2018), 5th to 6th April 2018, Kalasalingam University.
21. Madhan R, Mano M, Mahesh S, Arunprasath K, Amuthakkannan. P, Manikandan V, Mechanical Property Evaluation Of Hybrid Flax And Basalt Fibre Reinforced Polymer Matrix, , 3rd International Conference on “Advanced Manufacturing and Automation” (INCAMA-2018), 5th to 6th April 2018, Kalasalingam University.

22. B. Stalin, J. Rajaparthiban, M. Ravichandran, P. Amuthakannan, Investigation On Effect Of Cutting Parameters Using Taguchi Approach For AISI 316 –Steel, 3rd International Conference on “Advanced Manufacturing and Automation” (INCAMA-2018), 5th to 6th April 2018, Kalasalingam University.
23. Amuthakkannan Pandian, Mohamed Thariq Hameed Sultan, Uthayakumar Marimuthu, Effect of glass fiber orientation on tensile and flexural properties of hybrid composites *1st international conference on safe biodegradable packaging technology (safebiopack2018), Malaysia*
24. Evaluation of Mechanical Properties of Flax/Glass Fiber Reinforced Hybrid Polymer Composite, Conf/Iisc- banglore/ 10.08.18
25. Damage Analysis Using B, C Scan of Ultrasonic Testing of Low Velocity Impact on layered Basalt Fiber Laminates, Conf/Iisc- banglore/ 11.08.18