

Dr.G.B.Bhaskar – Publications (2016-2020)

1. Venkatesan, K. and Bhaskar, G.B., 2020. Evaluation and Comparison of Mechanical Properties of Natural Fiber Abaca-sisal Composite. *Fibers and Polymers*, 21(7), pp.1523-1534.
2. Vasudevan, N., Bhaskar, G.B., Rao, T.S. and Mohandass, M., 2019. Mechanical properties of cryogenically treated AA5083 friction stir welds. *Materials Testing*, 61(12), pp.1129-1134.
3. Pazhanivel, K., Bhaskar, G.B., Elayaperumal, A., Anandan, P. and Arunachalam, S., 2019. Influence of Ni–Ti shape memory alloy short fibers on the flexural response of glass fiber reinforced polymeric composites. *SN Applied Sciences*, 1(7), p.789.
4. Sreehari, M. and Bhaskar, G.B., 2019. Experimental investigations on resistance spot welding for producing indentation free joints on AISI 409M grade stainless steels. *Materials Research Express*, 6(4), p.046527.
5. Saravanan, G., Bhaskar, G.B., Kaviyarasan, E., Naveen, B., Prabakaran, S. and Rajesh, S., 2019. Experimental Investigation of Mechanical Behavior of Bauhinia Racemosa-Based Glass Fiber Reinforced Composite. *Materials Today: Proceedings*, 16, pp.758-765.
6. Vasudevan, N., Bhaskar, G.B., Prasad, A.R. and Suresh, S.M., 2019. Corrosion study on AA5083 aluminum alloy-boron carbide composite. *Materials Today: Proceedings*, 16, pp.1124-1129.
7. Janarthanan, B., Elanchezhian, C., Bhaskar, G.B., Ramkumar, N. and Ramnath, B.V., 2019. Relationship between Fracture Toughness and Specimen Thickness for Quasi-isotropic Titanium/Epoxy Laminates. *Materials Today: Proceedings*, 16, pp.865-869.
8. Poyyathappan, K., Bhaskar, G.B., Rajesh, S. and Pazhanivel, K., 2019. Experimental Analysis and Comparative Mechanical testing on Glass-Carbon Hybrid Composites. *Materials Today: Proceedings*, 16, pp.612-620.
9. Elanchezhian, C., Bhaskar, G.B. and Vivekanandhan, M., 2019. An Investigation of the Mechanical Properties of Hybrid Composites in Applications of Automotive Industry. *Materials Today: Proceedings*, 16, pp.875-882.
10. Santhanamoorthy, P., Bhaskar, G.B. and Kumar, R.M., 2019. Comparative study of Mechanical properties of Glass Carbon Hybrid Composites with fine blanking using analysis software and Experimental method. *Materials Today: Proceedings*, 16, pp.728-737.

11. Moorthy, P.S., Bhaskar, G.B., Raja, N., Ramnath, V. and Gowri, S., 2018. Mechanical properties and microstructure of glass carbon hybrid composites. *Materials Testing*, 60(11), pp.1131-1137.
12. Moorthy, P.S., Bhaskar, G.B., Raja, N., Ramnath, V. and Gowri, S., 2018. Mechanische Eigenschaften und Mikrostruktur von Glas-Karbon-Hybrid-Kompositen. *Materialpruefung/Materials Testing*, 60(11).
13. Nixon, R.G.S., Mohanty, B.S. and Bhaskar, G.B., 2018. Effect of process parameters on physical measurements of AISI316 stainless steel coating on EN24 in friction surfacing. *Materials and Manufacturing Processes*, 33(7), pp.778-785.
14. Palani, K., Elanchezhian, C., Ramnath, B.V. and Bhaskar, G.B., 2018. Modeling and optimization of FSW parameters on tensile behavior of aluminium alloys using D-optimal design. *Advanced Science, Engineering and Medicine*, 10(3-4), pp.384-389.
15. Palani, K., Elanchezhian, C., Ramnath, B.V. and Bhaskar, G.B., 2018. Modeling and Optimization of Process Parameters on Tensile Behavior of FSWed AA 5083-H321 Aluminium Alloys Using D-Optimal Design. *Adv. Sci*, 10, pp.1-6.
16. Palani, K., Elanchezhian, C., Ramnath, B.V., Bhaskar, G.B. and Naveen, E., 2018. Effect of pin profile and rotational speed on microstructure and tensile strength of dissimilar AA8011, AA01-T6 friction stir welded aluminum alloys. *Materials Today: Proceedings*, 5(11), pp.24515-24524.
17. Vishnuja, U. and Bhaskar, G.B., 2018. Study on AISI1045 Material for Various Applications: An over View. *Int J Eng Manuf Sci*, 8(2), pp.125-144.
18. Poyyathappan, K., Bhaskar, G.B., Pazhanivel, K., Rajesh, S. and Sagadevan, S., 2018. Mechanical and Microstructural Characteristics of the Glass–Carbon Fibrous Composite Materials.
19. Venkatesan, N., Bhaskar, G.B., Rajesh, S., Pazhanivel, K. and Sagadevan, S., 2017. Effect of Cloisite 30B nanoclay on the mechanical properties of HDPE nanocomposites. *Materials Testing*, 59(4), pp.355-360.
20. Rajesh, S., G.B bhaskar, R. Franklin issac, K. Pazhanivel, suresh sagadevan, and J. Venkatachalam. "optimizarea proiectării arcurilor cu foi compozite folosind metodologia suprafeței de raspuns optimization of composite leaf spring design using response surface methodology." *revista română de materiale/romanian journal of materials* 47, no. 1 (2017): 296-302.
21. Rajesh, S., Bhaskar, G.B., Subash, R., Pazhanivel, K. and Sagadevan, S.S., 2017. Optimization of composite leaf spring design using response surface

methodology. *Revista romana de materiale-romanian journal of materials*, 47(1), pp.98-105.

22. Rajasekaran, K.G., Bhaskar, G.B., Murali, S. and Chandrasekaran, M., 2017. An Empirical Study on Selection of Supply Chain Partner by Multi-Criteria Decision Making Method VIKOR-A Case of Automotive Industry.
23. Thirumurugan, A., Bhaskar, G.B., Poyyathappan, K., Karthik, R.J., Kumar, M.K., Somasundaram, G. and Venkatakrishnan, G., 2016. Investigations on Aluminium wire mesh, Banana Fiber and Glass Fiber Reinforced Hybrid Composites. *Indian Journal of Science and Technology*, 9(42).
24. Rajesh, S., Bhaskar, G.B., Venkatachalam, J., Pazhanivel, K. and Sagadevan, S., 2016. Performance of leaf springs made of composite material subjected to low frequency impact loading. *Journal of Mechanical Science and Technology*, 30(9), pp.4291-4298.
25. Pazhanivel, K., Bhaskar, G.B., Elayaperumal, A., Anandan, P. and Arunachalam, S., 2016. Influence of SMA reinforcement on the impact resistance of GFRP composite laminates under different temperatures. *Bulletin of Materials Science*, 39(3), pp.889-899.
26. Rajasekaran, K.G., Bhaskar, G.B., Murali, S. and Chandrasekaran, M., 2016. Identification and Prioritisation of Supplier, Customer and Organization Collaborating Factors Influencing New Product Development.
27. Rajasekaran, K.G., Bhaskar, G.B., Chandrasekaran, M. and Murali, S., 2016. A review on employing multi criteria decision making methods for supplier selection. *Asian Journal of Research in Social Sciences and Humanities*, 6(6), pp.802-810.