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## List of Publications

1. Binu Kumar, V.J., **Bensam Raj, J.**, Karuppasamy, R. and Thanigaivelan, R., Influence of Chemical Treatment and Moisture Absorption on Tensile Behavior of Neem/banana Fibers Reinforced Hybrid Composites: An Experimental Investigation. *Journal of Natural Fibers*, Taylor & Francis, DOI: 10.1080/15440478.2020.1838995. Impact factor : 2.622
2. Jayakumar, J, **Bensam Raj, J** & Suresh, P 2020, 'Optimization of material and cross section of hoisting hook-A numerical investigation and experimental validation', *Interciencia Journal*, vol. 45, no. 3, pp. 220-221 (Impact Factor: 0.28).
3. Narayanan Nampoothiri, E, **Bensam Raj, J**, Thanigaivelan, R & Karuppasamy, R 2020, 'Experimental Investigation on Mechanical and Biodegradation Properties of Indian Almond–Kenaf Fiber-Reinforced Hybrid Composites for Construction Applications', *Journal of Natural Fibers*, Taylor & Francis, vol. 17, no. 1, pp. 1-11, Impact factor : 2.622
4. Vivek, J, **Bensam Raj, J**, Chandrasekaran, K, Karuppasamy, R 2020, 'Investigation on mechanical and tribological properties of AA5083/Gr/BN and AA5083/Gr/Al<sub>2</sub>O<sub>3</sub> hybrid composites for marine applications', *Interciencia Journal*, vol. 45, no. 2, *Interciencia journal*, ISSN of the Journal: 0378-1844, The Impact Factor of the Journal: 0.28, Category of the Journal , Annexure I.
5. N. Senniangiri, **J. Bensam Raj** and J. Sunil 2019, 'Effects of Temperature and Particles Concentration on the Dynamic Viscosity of Graphene- NiO/Coconut Oil Hybrid Nanofluid: Experimental Study', *International Journal of Nanoscience*, ISSN 1793-5350 Vol.18, No.5 (2019) 1950016, DOI: 10.11.42/SO21958X19500169, Annexure-I, Impact Factor: 0.8.

6. Ponesakki Raja P, **Bensam Raj J**, 2018, 'Investigations on Mechanical and Metallurgical Properties of FrictionWelding of AlB<sub>2</sub> Reinforced Aluminum Matrix Composites', Silicon, Springer, 10:1385–1391. Impact Factor: 1.530
7. Mohammed Nibin , **J. Bensam Raj** , V. Edwin Geo, ' Experimental studies to improve the performance, emission and combustion characteristics of wheat germ oil fuelled CI engine using bioethanol injection in PCCI mode', Fuel, Elsevier, 285 (2021) 119196. Impact Factor: 5.700
8. S. R. Vijayakumar, P. Suresh, K. Sasikumara, **J. Bensam Raj**, 'Experimental Analysis Of Aluminium Silicon Carbide And Lead Composites By Powder Metallurgy Technique', International Journal Of Management, Technology And Engineering, Volume IX, Issue V, May/2019, Pp.6748- 6756.
9. S. R. Vijayakumar, P. Suresh, R. Sakthivela, **J. Bensam Raj**, 'Study And Investigation Of Properties Of Hybrid Natural Composite', International Journal Of Management, Technology And Engineering, Volume IX, Issue V, May/2019, Pp. 6757-6766. (Impact Factor: 0.28)
10. P.V. Arulkumara, R. Muneeswaran, J. Vivek, J. S. Nagarajan, **J. Bensam Raj**, 'Metaheuristic Optimization Algorithms for Solving Fixed Area Cellular Layout Problems', Interciencia Journal, 45(4), 2020, pp.137-149. (Impact Factor: 0.28)
11. J.Jayakumar , **J. Bensam Raj**, P. Suresh, 'Optimization of Material and Cross Section of Hoisting Hook – A numerical Investigation and Experimental Validation, Interciencia Journal, 45(3), 2020, pp.220-241. (Impact Factor: 0.28)
12. S.R.Vijayakumar, P.Suresh, **J. Bensam Raj**, 'Achieving Takt Time by reducing Cycle Time in Break Line Routing in Chassis Assembly', International Journal of Scientific Research and Review, Volume 8, Issue 5, 2019, pp. 1752- 1769
13. N.E. Edwin Paul, P. Marimuthu, K. Chandrasekaran , **J. Bensam Raj**, 2015, ' Multi response study for machining AISI1040 using grey Taguchi method', International Journal of Applied Engineering Research, vol. 10, issue. 55, pp.4048-4051. (Impact Factor: 0.51)
14. C.M. Anand Partheeban, M. Rajendran, S.C. Vettivel, S. Suresh, **J. Bensam Raj**, 2015, 'Wear behavior of nano graphite reinforced Al6061-10TiB<sub>2</sub> hybrid composite using powder metallurgy', International Journal of Applied Engineering Research, vol. 10, issue 2, pp. 2761-2770. (Impact Factor: 0.51)