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1. Samson Jerold Samuel, C., Arthanari, R. 'Prediction of hardness of stir cast LM13 aluminum alloy-copper coated short steel fiber reinforced composites using response surface methodology', *Materialwissenschaft und Werkstofftechnik*, 51(2), 221-229.. *Materialwissenschaft und Werkstofftechnik*, John Wiley, 51(1), 73-82, 2020 (Impact Factor: 0.556).
2. Samson Jerold Samuel, C., Ramesh, A., 'Investigation on mechanical and wear properties of zinc coated steel wires reinforced LM6 aluminium alloy composites by squeeze casting', *Surface Review and Letters*, 26(1), 2019 (DOI: 10.1142/S0218625X18501251, Impact Factor: 0.734)
3. Samson Jerold Samuel, C., Ramesh, A., Nisaanthakumar, N., Karthikeyan, R., Kesavaprasad, K.R., 'Investigation of mechanical properties and dry sliding wear behaviour of squeeze cast LM6 aluminium alloy reinforced with copper coated short steel fibers', *Transactions of the Indian Institute of Metals*, 71(4), pp.813-822, 2018 Springer (Impact Factor: 0.910).
4. Samson Jerold Samuel, C., Ramesh, A., Kirubaharan, K., Kamal Shankar, S., Prabu., 'Investigation on mechanical properties of squeeze cast LM6 aluminium alloy reinforced with zinc coated steel wire mesh', *Materiali in Tehnologije/Materials and Technology* (Impact Factor: 0.436).
5. Samson Jerold Samuel, C., Ramesh, A., Kirubaharan, K., Kamal Shankar, S., Prabu, G., 'Effect of copper coating and reinforcement orientation on mechanical properties of LM6 aluminium alloy composites reinforced with steel mesh by squeeze casting', *Transactions of the Indian Institute of Metals*, 71(5), 2018, pp.1041-1048 Springer, (Impact Factor: 0.910).
6. Samson Jerold Samuel, C., Ramesh, A., 'Investigation on mechanical properties and wear behaviour of squeeze cast LM13 aluminium alloy reinforced with copper coated steel wires', *Zeitschrift für Physikalische Chemie*, 232(12), pp.1787-1806, 2018 (Impact Factor: 1.012)
7. Samson Jerold Samuel, C., Ramesh, A., "Investigation on microstructure and tensile behaviour of stir cast LM13 aluminium alloy reinforced with copper coated short steel fibers using response surface methodology." *Transactions of the Indian Institute of Metals*, Springer: 1-10, 2018 (Impact Factor: 0.910).
8. Samson Jerold Samuel, C., and Ramesh Arthanari. "Effect of stir cast process parameters on wear behaviour of copper coated short steel fibers reinforced LM13 aluminium alloy composites." *Materials Research Express*, IoP Science, 2018 (Impact Factor: 1.151).
9. Samson Jerold Samuel, C., and Ramesh Arthanari. "Optimisation of dry sliding wear parameters of squeeze cast AA336 aluminium alloy - copper coated steel wires reinforced composites by response surface methodology", *Journal of Metal Casting*, 2018 (Impact Factor: 0.779).
10. Samson Jerold Samuel, C., and Ramesh Arthanari, "Investigation on mechanical properties and tribological behaviour of stir cast LM13 aluminium alloy based

particulate hybrid composites", *Material Science and Engineering Technology*, John Wiley, 2018 (Impact Factor: 0.556).

11. Samson Jerold Samuel, C., Ramesh, A., Arunprasad, N.T., Harishankar, S., 'Dry sliding wear characterization of squeeze cast LM13 / FeCu composite using response surface methodology', *China Foundry*, 14(6), 525-533, 2017, Springer (DOI: 10.1007/s41230-017-7101-3, Impact Factor: 0.371).
12. Samson Jerold Samuel, C., 'Optimization of Process Parameters Using Response Surface Methodology : A Review', *Materials Today: Proceedings*, Elsevier (DOI: 10.1016/j.matpr.2020.06.466)
13. Samson Jerold Samuel, C., 'A review on mechanical properties and wear behaviour of aluminium based metal matrix composites', *Materials Today: Proceedings*, Elsevier (DOI: 10.1016/j.matpr.2020.06.053)
14. Vadivel, P., Chinnusamy, V., Samson Jerold Samuel C "Experimental investigation on mechanical properties and wear characterization of Al-Si12Cu1Mg1 aluminium alloy reinforced with titanium diboride and boron carbide particulate hybrid composites using stir casting process". *Materialwissenschaft und Werkstofftechnik*, 51(1), 73-82, 2020 (Impact Factor: 0.556).
15. Saiyathibrahim, A., R. Subramanian, and Samson Jerold Samuel, C., "Processing and properties evaluation of centrifugally cast in-situ functionally graded composites reinforced with Al₃Ni and Si particles." *Materials Research Express* (2019).
16. Subramaniam, Balasubramani, Balaji Natarajan, Balasubramanian Kaliyaperumal, and Samson Jerold Samuel, C. "Wear behaviour of aluminium 7075—boron carbide-coconut shell fly ash reinforced hybrid metal matrix composites." *Materials Research Express* 6, no. 10 (2019): 1065d3.
17. Hillary, J., Justin Maria, R. Ramamoorthi, J. Joseph, Dixon Jim, Samson Jerold Samuel C, "A study on microstructural effect and mechanical behaviour of Al6061–5% SiC–TiB₂ particulates reinforced hybrid metal matrix composites." *Journal of Composite Materials* (2019).
18. Ramaswamy, Arunbharathi, Ashoka Varthanan Perumal, and Samson Jerold Samuel, C. "Investigation on mechanical properties and dry sliding wear characterization of stir cast LM13 aluminium alloy-ZrB₂-TiC particulate hybrid composites." *Materials Research Express* 6, no. 6 (2019): 066578.
19. Balasubramani Subramaniam, Balaji Natarajan, Balasubramanian Kaliyaperumal, Samson Jerold Samuel C, "Investigation on mechanical properties of aluminium 7075-boron carbide-coconut shell fly ash reinforced hybrid metal matrix composites", *China Foundry*, 15(6), 2018.
20. Sivananthan, S., V. Rajalaxman Reddy, and C. Samson Jerold Samuel. "Preparation and evaluation of mechanical properties of 6061Al-Al₂O₃ metal matrix composites by stir casting process." *Materials Today: Proceedings* (2019).
21. Sivananthan, S., K.Ravi, and C.Samson Jerold Samuel. "Effect of SiC particles reinforcement on mechanical properties of aluminium 6061 alloy processed using stir casting route, *Materials Today: Proceedings* (2019)
22. Ramamoorthi, R., Jeyakumar, R, Samson Jerold Samuel C, "Effect of Fillers on Tribological/ Fatigue/Damping and Water Resistance Properties of Polymer Nanocomposites – A Review", *International Journal of Pure and Applied Mathematics*, Vol.119, No.12, pp.2073-2078, 2018.

23. S.Gnanasekaran, S.Senthil Kumar, V.Narasimharaj, M.Upadhyaya, T.C.Manjunath, C.Samson Jerold Samuel “Effect of laser power on microstructure and tensile properties of pulsed Nd:YAG laser beam welded AISI 301 austenitic stainless steel joints”, Materials Today: Proceedings, Elsevier (DOI: 10.1016/j.matpr.2020.06.145)
24. S Sivananthan, S Gnanasekaran, Jerold Samuel Samson Jerold Samuel C., “Preparation and Characterization of Aluminium Nanocomposites Based on MWCNT”, Applied Mechanics and Materials, Vol.550, pp.30-38.