

CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI – 600 025

LIST OF PUBLICATIONS OF DC MEMBER

Name of the Scholar : Niranjana K

Programme : Ph.D. (PT)

Research Topic : Additive Manufacturing of Natural Fiber Reinforced Polymer matrix Composites

Name of the Supervisor: Dr. M. RAMESH / 2620070

Name of the Member : Dr. L. Rajeshkumar

S.No	Title	Year of Publication
1.	Saravana Kumar, A., Maivizhi Selvi, S and Rajeshkumar. L (2017) "Delamination in Drilling of Sisal/Banana Reinforced Composites Produced by Hand Lay-Up Process." Applied Mechanics and Materials, vol. 867, pp. 29-33. Trans Tech Publications Ltd, 2017.	2017
2.	Saravanakumar, A., Rajesh kumar.L and S. Sivalingam (2018) "Dry Sliding wear of AA2219/Gr Metal matrix composites." Materials Today: Proceedings, Vol. 5 (2), pp. 8321-8327. (Scopus)	2018
3.	L.Rajesh kumar, A.Saravanakumar, R.Saravanakumar, S.Sivalingam, V.Bhuvanewari. (2018) "Prediction capabilities of mathematical models for wear behaviour of AA2219/MgO/Gr hybrid metal matrix composites." International Journal of Mechanical and Production Engineering Research and Development, Vol. 8(8), pp.393-399. (Scopus)	2018
4.	L.Rajesh kumar, K S Amirthagadeswaran, (2019), "Variations in the properties of copper-alumina nanocomposites synthesized by mechanical alloying." Materiali in Technologije, 53(1), pp. 57-63. (WoS, Q4, Slovenia, IF:0.697)	2019
5.	D. Balaji, M. Ramesh, T. Kannan, S. Deepan, V. Bhuvanewari, L. Rajeshkumar (2020), Experimental investigation on mechanical properties of banana/snake grass fiber reinforced hybrid composites, Materials Today: Proceedings, https://doi.org/10.1016/j.matpr.2020.09.548 (Scopus)	2020
6.	L. Rajeshkumar, R. Suriyanarayanan, K. Shree Hari, S. Venkatesh Babu, V. Bhuvanewari and M.P. Jithin Karunan (2020), Influence of Boron Carbide Addition on Particle Size of Copper Zinc Alloys Synthesized by Powder Metallurgy, IOP Conf. Ser.: Mater. Sci. Eng. Vol. 954, pp.012008 (Scopus).	2020
7.	L. Rajeshkumar, V. Bhuvanewari, B. Pradeepraj, M. Praveen pauldurai, C. Palanivel and S. Sandeep kumar (2020), Design and Optimization of Static Characteristics for a Steering System in an	2020

	ATV, IOP Conf. Ser.: Mater. Sci. Eng., Vol. 954, pp. 012009 (Scopus).	
8.	Saravanakumar, A., Rajeshkumar, L., Balaji, D. et al. Prediction of Wear Characteristics of AA2219-Gr Matrix Composites Using GRNN and Taguchi-Based Approach. Arab J Sci Eng (2020). https://doi.org/10.1007/s13369-020-04817-8 (WoS, Q3, Springer Nature, IF:1.72)	2020
9.	Ramesh, M, C Deepa, L Rajesh Kumar, MR Sanjay, and Suchart Siengchin, (2020). “Life-Cycle and Environmental Impact Assessments on Processing of Plant Fibres and Its Bio-Composites: A Critical Review.” Journal of Industrial Textiles, https://doi.org/10.1177/1528083720924730 . (WoS, Q1, SAGE, IF: 2.01)	2020
10.	S.Sivalingam, G.Sureshkannan, D.Balaji, L.Rajeshkumar (2020), “Influence of filler wire on mechanical and metallurgical behaviour of Inconel 690 alloy welded by pulsed current gas tungsten arc welding”. Tierarztilich Praxis, 40(1), pp 69-82. (WoS, Q4, IF:0.41)	2020
11.	L.Rajesh kumar, A.Saravanakumar, V.Bhuvaneswari, G.Gokul, D.Dinesh kumar, M.P.Jithin karunan (2020) “Optimization of wear behaviour for AA2219-MoS ₂ metal matrix composites in dry and lubricated condition”. Materials Today: Proceedings, vol.27 (3) (2020), pp.2645-2649, https://doi.org/10.1016/j.matpr.2019.11.087 . (Scopus)	2020
12.	L.Rajesh kumar, K.S.Amirthagadeswaran (2020) “Corrosion and wear behaviour of nano Al ₂ O ₃ reinforced copper metal matrix composites synthesized by high energy ball milling.” Particulate Science and Technology, Vol.38 (2), pp. 228-235, https://doi.org/10.1080/02726351.2018.1526834 . (WoS, Q3, Taylor & Francis IF: 1.619)	2020
13.	Rajesh kumar L, S Sivalingam, K Prashanth, K Rajkumar (2020) “Design, Analysis and Optimization of Steering Knuckle for All Terrain Vehicles”, AIP Conference Proceedings, Vol. 2207, pp. 020003. https://doi.org/10.1063/5.0000044 (Scopus)	2020
14.	Rajesh kumar L, A Saravanakumar, V Bhuvaneswari, M P Jithin Karunan, N Karthick raja, P Karthi (2020) “Tribological Behaviour of AA2219/MoS ₂ Metal Matrix Composites under Lubrication”, AIP Conference Proceedings, Vol. 2207, pp. 020005. https://doi.org/10.1063/5.0000042 (Scopus)	2020
15.	Saravanakumar A, Rajesh kumar L, Sanjaykumar NS, Sivakumar R, Sriramthilak N.S, Vignesh R (2020), “Multi response Optimization of Aluminium alloy Machining using Full Factorial Design of Experiments”, AIP Conference Proceedings, Vol. 2207, pp. 020002. https://doi.org/10.1063/5.0000221 (Scopus)	2020