

Dr.R.Arravind  
Professor & HOD  
Aeronautical Engineering  
Paavai Engineering college  
Namakkal-637018  
Tamilnadu  
Email: arravind.r@gmail.com  
Contact No: +91 9894122201

#### RESEARCH PUBLICATIONS:

##### International journals

- 1.“Artificial neural network-based prediction of responses on eglin steel using electrical discharge machining process” Materials Today: Proceedings, Elsevier, August 2020
- 2.“Abrasive water jet experimentation on zirconium boride and boron carbide reinforced molybdenum metal matrix” Materials Today: Proceedings, Elsevier, September 2020
- 3.“Performance Evaluation and Fabrication of Voice Controlled & Gesture Controlled Unmanned Aerial Vehicle” SSRG International journal of mechanical engineering, ISSN 2348-8360, Special issue ICRTETM March 2019, pp.20-25.
- 4.“Material synthesis, characterization and machining performance of stir cast beryllium copper alloy composites” Transaction of the Canadian Society for Mechanical Engineering, ISSN: 0315-8977, impact factor 0.33, volume00: Issue: 1, pp.1-10, 2018
5. “Selection of low-cost recovery system for Unmanned Aerial Vehicle” International Research Journal of Engineering and Technology, (E-ISSN: 2395-0056), Volume: 04 Issue: 05, pp.1074-1078,2017.
6. “Experimental Investigation of Wear Behaviour of AA6061 Hybrid Metal Matrix Composites”, International Journal of Engineering Research & Technology 5 (9), 330-333, 2016.
7. “Experimental Analysis of Mechanical Behavior on AA 7075 Hybrid Composite” International Journal of Engineering Research & Technology 5 (6), 142-14, 2016.
8. “Experimental Analysis of Mechanical Properties of Aluminium Hybrid Metal Matrix Composites” International Journal of Engineering Research & Technology 5(06), 132-135, 2016.
9. “Optimization of sliding wear parameters of graphite reinforced AA 6061- Al<sub>2</sub>O<sub>3</sub> hybrid composite for aerospace application”, International Journal of Advanced Engineering Technology, (E-ISSN 0976-3945), vol. 7, pp.315-320, 2016.
10. “Mechanical and tribological behaviour of the AA 6061/Al<sub>2</sub>O<sub>3</sub>/ Graphite composite”, Journal of the Balkan Tribological Association, book 3, (ISSN 1310- 4772), vol. 22, (Impact factor for 2013 is 0.321) 2016.