LIST OF PUBLICATIONS

Number of SCI Journals	**:**	**07**
Number of Scopus Indexed Journals	**:**	**29**
Number of Other Journals	**:**	**07**
Total Number of Journals	**:**	**43**

International Journals (Science Citation Indexed - Anna University Annexure - I): (07)

1. S.Sakthivelu, P.P.Sethusundaram, M.Ravichandran, **M.Meignanamoorthy**, "Experimental Investigation and Analysis of Properties and Dry Sliding Wear Behavior of Al-Fe-Si Alloy Matrix Composites", Silicon, doi.org/10.1007/s12633-020-00662-4, August 2020, ISSN: 1876-9918, Impact Factor: 1.499.
2. G.Veerappan, M.Ravichandran, **M.Meignanamoorthy**, V.Mohanavel, "Characterization and properties of Silicon Carbide reinforced Ni-10Co-5Cr (Superalloy) matrix composite produced via Powder Metallurgy Route", Silicon, doi.org/10.1007/s12633-020-00455-9, August 2020, ISSN: 1876-9918, Impact Factor: 1.499.
3. **M.Meignanamoorthy** & M.Ravichandran, "Microstructure analysis and optimization of PM parameters for improved properties in high strength AA8079 (Al-Fe-Cu-Si-Zn)", Physics of Metals and Metallography, Vol. 121, No. 4, pp. 374–381, DOI: 10.1134/S0031918X20040092, ISSN: 0031-918X, Impact Factor: 1.169.
4. B.Stalin, P.Ramesh Kumar, M.Ravichandran, M.Siva Kumar, **M.Meignanamoorthy**, "Optimization of wear parameters using Taguchi grey relational analysis and ANN-TLBO algorithm for silicon nitride filled AA6063 matrix composites", Materials Research Express, Vol. 6, No. 10, PP. 106590, August 2019, ISSN: 2053-1591, Impact Factor: 1.449.
5. **M.Meignanamoorthy**, M.Ravichandran,V.S.Vidhya, V.Anandakrishnan, "Microstructure and properties of high strength Al-Fe-Cu-Si-Zn alloy (AA8079) produced by mechanical

alloying and powder metallurgy", Materials Testing, Vol. 61, No.7, PP. 627-634, July 2019, ISSN: 0025-5300, Impact Factor: 0.573.

6. D.Srinivasan,**M.Meignanamoorthy** and M.Ravichandran "Optimization of process parameters of boron carbide filled Aluminium matrix composites using Grey Taguchi method", Materials Research Express, Vol. 6, No. 7,PP. 076574, July 2019, ISSN: 2053-1591, Impact Factor: 1.449.
7. **M.Meignanamoorthy** and M.Ravichandran "Synthesis, properties and microstructure of sintered and hot extruded boron carbide reinforced AA8079 (Al-Cu-Fe-Si-Zn) matrix composites", Materials Research Express, Vol. 5, No. 11, PP. 116508, November 2018, ISSN: 2053-1591, Impact Factor: 1.449.

International Journals (Scopus Indexed): (29)

1. M.Melwin Jagadeesh Sridhar, M.Ravichandran and **M.Meignanamoorthy**, "Influence of different reinforcements on properties of copper matrix composites: A review", AIP Conference Proceedings, Vol. 2283, No.1, October 2020, ISSN: 0094243X, SJR: 0.19.
2. T.Anandaraj, P.P.Sethusundaram, C.Chanakyan, S.Sakthivelu, **M.Meignanamoorthy**, "Influence of different reinforcements on properties of metal matrix composites: A review", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.09.386, October 2020, ISSN: 2214 7853, SJR: 0.299.
3. S.V.Alagarsamy, M.Ravichandran, **M.Meignanamoorthy**, "Multi-objective optimisation of dry sliding wear control parameters for stir casted AA7075- TiO_2 composites using Taguchi-Grey relational approach", Australian Journal of Mechanical Engineering, doi.org/10.1080/14484846.2020.18, September 2020, ISSN: 1448 4846, SJR: 0.23.
4. M.Ravichandran, **M.Meignanamoorthy**, G.P.Chellasivam, J.Vairamuthu, A.Senthilkumar, B.Stalin, "Effect of Stir Casting Parameters on Properties of Cast Metal Matrix Composite", Materials Today: Proceedings, Vol.22, No.4, May 2020, ISSN: 2214 7853, SJR: 0.299.
5. S.Dinesh Kumar, M.Ravichandran, S.Sakthivelu, **M.Meignanamoorthy**, C. Chanakyan, S.V.Alagarsamy, "Mechanical properties of magnesium-silicon carbide composite fabricated through powder metallurgy route", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.01.592, March 2020, ISSN: 2214 7853, SJR: 0.299.
6. M.Vinoth Kumar, **M.Meignanamoorthy**, S.Sakthivelu, S.Dinesh Kumar, C.Chanakyan, S.V.Alagarsamy, "Optimization of Material Removal Rate in CNC Turning Of AA2024 via

Taguchi Technique", Materials Today: Proceedings, https://doi.org/10.1016/j.matpr.2020.02.045, March 2020, ISSN: 2214 7853, SJR: 0.299.

7. S.Sakthivelu, P.P.Sethusundaram, **M.Meignanamoorthy**, S.Dinesh Kumar, C.Chanakyan, S.V.Alagarsamy, "Prediction of Optimum EDM parameters for machining Al-SiC Composites", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.02.082, February 2020, ISSN: 2214 7853, SJR: 0.299.
8. S.DineshKumar, M.Ravichandran, **M.Meignanamoorthy,** S.Sakthivelu, S.V.Alagarsamy, C.Chanakyan, "Investigations on Properties of Mg-Al_2O_3 Composites fabricated via stir casting route", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.01.586**,** February 2020, ISSN: 2214 7853, SJR: 0.299.
9. S.Dinesh Kumar, M.Ravichandran, S.V.Alagarsamy, C.Chanakyan, **M.Meignanamoorthy**, S.Sakthivelu, "Processing and Properties of Carbon Nanotube Reinforced Composites: A Review", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.02.006**,** February 2020, ISSN: 2214 7853, SJR: 0.299.
10. **M.Meignanamoorthy**, M.Ravichandran, S.Sakthivelu, S.Dinesh Kumar, C.Chanakyan, S.V.Alagarsamy, "Optimization of Electric Discharge Machining Process Parameters on AA6351-Al_2O_3 Composites", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.01.402, February 2020, ISSN: 2214 7853, SJR: 0.299.
11. **M.Meignanamoorthy,** M.Ravichandran, S.V.Alagarsamy, C.Chanakyan, S.Dinesh Kumar, S.Sakthivelu, "Effect of Various Reinforcements on Properties of Metal Matrix Composites: A Review", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.01.479, February 2020, ISSN: 2214 7853, SJR: 0.299.
12. S.Sakthivelu, P.P.Sethusundaram, M.Selwin, **M.Meignanamoorthy**, S.Dinesh Kumar, S.V.Alagarsamy, "Optimization on machining parameters of friction surfacing of SS304 over iron plate", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.01.267, February 2020, ISSN: 2214 7853, SJR: 0.299.
13. S.V.Alagarsamy, M.Ravichandran, S.Sakthivelu, S.Dinesh Kumar, C.Chanakyan and **M.Meignanamoorthy,** "Optimization of Electric Discharge Machining Parameters on Surface Roughness for Al/ZrO2 Cast Composite through Response Surface Methodology", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.01.344, February 2020, ISSN: 2214 7853, SJR: 0.299.
14. S.V.Alagarsamy, M.Ravichandran, **M.Meignanamoorthy,** C. Chanakyan, S.Dinesh Kumar and S.Sakthivelu, "Influence of CNC Turning Parameters on High Strength Be-Cu

(C17200) Alloy using Tungsten Carbide Insert", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.01.260, January 2020, ISSN: 2214 7853, SJR: 0.299.

15. S.V.Alagarsamy, M.Ravichandran, S.DineshKumar, S.Sakthivelu, **M.Meignanamoorthy**, C.Chanakyan, "A Taguchi coupled desirability function analysis of wire cut EDM behaviour of titanium dioxide filled aluminium matrix composite", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.01.021, January 2020, ISSN: 2214 7853, SJR: 0.299.
16. C.Chanakyan, S.Sivasankar, **M.Meignanamoorthy**, M.Ravichandran, S.V.Alagarsamy, S.Dinesh Kumar, S.Sakthivelu, "Friction stir processing (FSP) of numerical study based on design of experiment-review", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2019.12.035, December 2019, ISSN: 2214 7853, SJR: 0.299.
17. C.Chanakyan, S.Sivasankar, S.V.Alagarsamy, S.Dinesh Kumar, S.Sakthivelu, **M.Meignanamoorthy**, M.Ravichandran, "Parametric optimization for friction stir welding with AA2024 and AA6061 aluminium alloys by ANOVA and GRG", Materials Today: Proceedings, doi.org/10.1016/j.matpr.2019.11.257, December 2019, ISSN: 2214 7853, SJR: 0.299.
18. S.Sakthivelu, **M.Meignanamoorthy**, M.Ravichandran and P.P.Sethusundaram "Tribological Behavior of AA7050-$ZrSiO_4$ Composites Synthesized By Stir Casting Technique", Mechanics and Mechanical Engineering, Vol. 23, No. 1, PP. 198-201, July 2019, ISSN: 1628-1511, SJR: 0.19.
19. S.V.Alagarsamy, **M.Meignanamoorthy**, M.Ravichandran, S.Sakthivelu, S.Dhinesh Kumar, "Prediction of Surface Roughness and Tool Wear in Milling Process on Brass (C26130) Alloy by Taguchi Technique", Materials Today: Proceedings, Vol. 21, No. 1, PP. 189-193, ISSN: 2214 7853, SJR: 0.299.
20. C.Chanakiyan, S.Sivasankar, **M.Meignanamoorthy**, M.Ravichandran, T.Muralidharan, "Experimental Investigation on Influence of Process Parameter on Friction Stir Processing of AA6082 using Response Surface Methodology", Materials Today: Proceedings, Vol. 21, No. 1, PP. 231-236, 2020, ISSN: 2214 7853, SJR: 0.299.
21. S.Dinesh Kumar, M.Ravichandran, S.V.Alagarsamy, **M.Meignanamoorthy**, S.Sakthivelu, "Effect of EDM process parameters on material removal rate and surface roughness of metal matrix composites: A review", Materials Today: Proceedings, Vol. 21, No. 1, PP. 616-618, 2020, 2020, ISSN: 2214 7853, SJR: 0.299.
22. **M.Meignanamoorthy**, M.Ravichandran, A.Elmariung and S.Dinesh kumar "Effect of sintering temperature on the microstructure and forming behavior of AA8079 (Al-Cu-Fe-

Si-Zn)" Lecture Notes in Mechanical Engineering, April 2019, PP. 607-613, doi.org/10.1007/978-981-13-6374-0_66 , ISSN: 2195-4356, SJR: 0.14.

23. A.Praveen Kumar, **M.Meignanamoorthy** and M.Ravichandran "Influence of sintering temperature and the amount of reinforcement on the microstructure and properties of Al–TiO_2 composites", International Journal of Mechanical Engineering and Technology, Vol. 9, No. 9, PP. 826-832, September 2018, ISSN: 0976 – 6359, SJR: 0.21.
24. B.Stalin**, M.Meignanamoorthy** and M.Ravichandran "Synthesis of Metal Matrix Composites and Alloys by Mechanical Alloying: A Review" IOP Conference Series: Materials Science and Engineering, Vol-402, PP. 012097, September 2018, ISSN: 1757-899X, SJR: 0.19.
25. **M.Meignanamoorthy** and M.Ravichandran "Synthesis of Metal Matrix Composites Via Powder Metallurgy: A Review, Mechanics and Mechanical Engineering, Vol-22, No-1, PP.59-69, May 2018, ISSN: 1628 -1511, SJR: 0.19.
26. S.Sakthivelu, P.P.Sethsundaram, **M.Meignanamoorthy** and M.Ravichandran "Synthesis of Metal Matrix Composites Via Stir Casting Route: A Review, Mechanics and Mechanical Engineering, Vol-22, No-1, PP. 357–369, May 2018, ISSN: 1628-1511, SJR: 0.19.
27. S.Dinesh Kumar, M.Ravichandran and **M.Meignanamoorthy** "Aluminium Metal Matrix Composite with Zirconium diboride Reinforcement: A Review" Materials Today: Proceedings, Vol-5, No-9, March 2018, PP. 19844-19847, ISSN: 2214 7853, SJR: 0.299.
28. S.Sakthivelu, T.Anandaraj, **M.Meignanamoorthy** and M.Ravichandran "Prediction of Optimized Machining Parameters in CNC End Milling, Pakistan Journal of Biotechnology, Vol-14, Special Issue-1, May 2017, PP. 103-105, ISSN: 2312 -7791, SJR: 0.299.
29. S.Sakthivelu, **M.Meignanamoorthy** and M.Ravichandran "Optimization of Machining Parameters in CNC Drilling of AA6351, Pakistan Journal of Biotechnology, Vol-14, Special Issue-1, May 2017, PP. 106- 108, ISSN: 2312 -7791, SJR: 0.299.

<u>International Journals (Others with ISSN):</u> (07)

1. **M.Meignanamoorthy**, S.Sakthivelu and M.Ravichandran "A Survey of Aluminium Metal Matrix Composites Using Powder Metallurgy Technique" International Journal of Applied Research Trends in Engineering and Technology, Vol-2, Issue-3, March 2015, ISSN: 2394-3785.

2. **M.Meignanamoorthy** and M.Ravichandran “Experimental Investigations on Mechanical Properties of Hot Extruded Al-TiO_2-Gr Hybrid Composites” International Journal of Core Engineering and Management, Vol-1, Issue-12, March-2015, ISSN: 2348-9510.
3. S.Sakthivelu, **M.Meignanamoorthy,** M.Ravichandran and M.Kumar “Effect of Machining Parameters on Surface Roughness and Material Removal Rate in CNC End Milling” International Journal of Scientific Research and Engineering Studies, Vol-2, Issue-4, April-2015, ISSN: 2349-8862.
4. P.Karunakaran and **M.Meignanamoorthy** “Experimental Study on Performance of a Four Stroke Diesel Engine Using Bio-Diesel Blends at Different Loads and Speeds ” International Journal of Scientific Engineering and Applied Science, Vol-1, Issue-9, December-2015, ISSN: 2395-3470.
5. M.Ravichandran, **M.Meignanamoorthy** and S.Dineshkumar “Microstructure and Properties of Hot Extruded Al-TiO_2 Powder Metallurgical Composites” Applied Mechanics and Materials, Vol-852, September-2016, ISSN: 1662-7482.
6. M.Ravichandran**, M.Meignanamoorthy** and S.Sakthivelu “Optimization of Material Removal Rate in CNC Drilling of AA6063 Using Taguchi Method” International Journal of Research in Advanced Technology, Vol-1, Issue-9, Novomber-2016, ISSN: 2456-2769.
7. V.Kesavan, S.Sakthivelu and **M.Meignanamoorthy “**Microstructure Assessment of AA7050-$ZrSiO_4$ Composites Synthesized by Stir Casting Route” Journal of Chemical and Pharmaceutical Sciences, Vol-10, Issue-1, January - March 2017, ISSN: 0974 -2115.

Text Books (2)

1. **M.Meignanamoorthy** and M.Ravichandran, “Mechanical Behaviour of Aluminium Matrix Composites Powder Metallurgy”, Lambert Academic Publishing, Latvia, European Union, ISBN: 978-620-0-50177-6.
2. S.V.Alagarsamy, **M.Meignanamoorthy** and M.Ravichandran, “Machining Behaviour of Aluminium Alloy CNC Turning”, Lambert Academic Publishing, Latvia, European Union, ISBN: 978-620-0-50444-9.