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### **List of Publications: (25)**

- 1) **S.V. Alagarsamy**, M. Ravichandran and M.Meignanamoorthy. (2020), “Multi-objective optimisation of dry sliding wear control parameters for stir casted AA7075-TiO<sub>2</sub> composites using Taguchi based grey relational approach”, Australian Journal of Mechanical Engineering, doi.org/10.1080/14484846.2020.1815997, pp. 1-11.
- 2) **S.V. Alagarsamy**, P.Raveendran and M. Ravichandran (2020), “Investigation of material removal rate and tool wear rate in spark erosion machining of Al-Fe-Si alloy composite using Taguchi coupled TOPSIS approach”, *Silicon*,doi.org/10.1007/s12633-020-00596-x, pp. 1-15.
- 3) B.Stalin, M.Ravichandran, S.Marichamy, T.D. Choumya Devi, **S.V.Alagarsamy** and V.Dhinakaran. (2020). “Friction welding parametric optimization of AISI 310L austenitic stainless steel weld joints –Grey relational investigations”, *AIP Coference Proceedings*, 2283, 020141-8.
- 4) C.Murugan, R.M.Satheeshkumar and **S.V.Alagarsamy**. (2020), “Analysis and optimizationof EDM parameters on Si<sub>3</sub>N<sub>4</sub>-TiN composite using multi-diameter electrode”, *Tierarztliche Praxis*, vol. 40, pp. 937-950.
- 5) S. Balaji, P. Maniarasan and **S.V. Alagarsamy**. (2020), “Multi-response optimization of machining parameters on phenolic bakelite HGW 2088 using desirability function approach”, *International Journal of Mechanical and Production Engineering Research and Development*, Vol. 10, pp. 6309-6320.
- 6) **S.V. Alagarsamy** and M. Ravichandran (2020). “Parametric studies on dry sliding wear behaviour of A1-7075 alloy matrix composite using S/N ratio and ANOVA analysis”, *Materials Research Express*, Vol. 7, pp. 1-17.

- 7) S.DineshKumar, M.Ravichandran, **S.V.Alagarsamy**, C.Chanakyan, M.Meignanamoorthy and S.Sakthivelu, (2020). "Processing and properties of carbon nanotube reinforced composites: A review", *Materials Today Proceedings*, Vol. 27, pp.1152-1156.
- 8) M. Vinoth Kumar, M.Meignanamoorthy, S.Sakthivelu S.Dinesh Kumar, C.Chanakyan and **S.V.Alagarsamy** (2020).Optimization of material removal rate in CNC turning of AA2024 via Taguchi technique", *Materials Today Proceedings*, Vol. 27, pp.1163-1167.
- 9) S.Dinesh Kumar, M.Ravichandran, M.Meignanamoorthy, S.Sakthivelu, **S.V.Alagarsamy**, and C.Chanakyan, (2020). "Investigations on properties of Mg-Al<sub>2</sub>O<sub>3</sub> composites fabricated via stir casting route", *Materials Today Proceedings*, Vol. 27, pp.1132-1136.
- 10) S.Dinesh Kumar, M.Ravichandran, M.Meignanamoorthy, S.Sakthivelu, **S.V.Alagarsamy** and C.Chanakyan (2020). "Prediction of optimum electric discharge machining parameters for AA7075-SiC composites", *Materials Today Proceedings*, Vol. 27, pp.1192-1196.
- 11) M.Meignanamoorthy, M.Ravichandran, S.Sakthivelu, S.Dinesh Kumar, C. Chanakyan, and **S.V.Alagarsamy** (2020). "Optimization of electric discharge machining process parameters on AA6351-Al<sub>2</sub>O<sub>3</sub>", *Materials Today Proceedings*, Vol. 27, pp.1051-1054.
- 12) M.Meignanamoorthy, M.Ravichandran, **S.V.Alagarsamy**, C.Chanakyan, S.Dinesh Kumar and S.Sakthivelu (2020). "Effect of various reinforcements on properties of metal matrix composites: A review", *Materials Today Proceedings*, Vol. 27, pp.1118-1121.
- 13) S.Sakthivelu, P.P.Sethusundaram, M.Selwin, M.Meignanamoorthy, and S.Dinesh Kumar, **S.V.Alagarsamy** (2020). "Optimization on machining parameters of friction surfacing of SS304 over iron plate", *Materials Today Proceedings*, Vol. 27, pp.946-950.
- 14) **S.V.Alagarsamy**, M.Ravichandran, M.Meignanamoorthy, C. Chanakyan, S.Dinesh Kumar and S.Sakthivelu (2020). "Influence of CNC turning variables on high strength beryllium-copper (C17200) alloy using tungsten carbide insert", *Materials Today Proceedings*, Vol. 27, pp.925-930.
- 15) **S.V.Alagarsamy**, M.Ravichandran, S.Sakthivelu, S.Dinesh Kumar, C.Chanakyan and M.Meignanamoorthy (2020). "Optimization of electric discharge machining parameters on surface roughness for Al/ZrO<sub>2</sub> cast composite through response surface methodology", *Materials Today Proceedings*, Vol. 27, pp.1006-1012.

- 16) **S.V. Alagarsamy**, M. Ravichandran, S. Dinesh Kumar, S. Sakthivelu, M. Meignanamoorthy and C. Chanakyan (2020). "A Taguchi coupled desirability function analysis of wire cut EDM behaviour of titanium dioxide filled aluminium matrix composite", *Materials Today Proceedings*, Vol. 27, pp. 853-858.
- 17) **S.V. Alagarsamy** and R. Rajesh Kumar (2019). Parametric optimization for gas metal arc welding process of SS316L and AISI D2 steels by Grey-Taguchi method," *Journal of Materials Science Research and Reviews*, Vol.4, no.3, pp.1-10.
- 18) C. Chanakyan, S. Sivasankar, M. Meignanamoorthy, M. Ravichandran, **S.V. Alagarsamy**, S. Dinesh Kumar and S. Sakthivelu (2019). "Friction stir processing (FSP) of numerical study based on design of experiment-review", *Materials Today Proceedings*, Vol. 27, pp. 748-751.
- 19) C. Chanakyan, S. Sivasankar, **S.V. Alagarsamy**, S. Dinesh Kumar, S. Sakthivelu, M. Meignanamoorthy and M. Ravichandran (2020). "Parametric optimization for friction stir welding with AA2024 and AA6061 aluminium alloys by ANOVA and GRG", *Materials Today Proceedings*, Vol. 27, pp. 707-711.
- 20) **S.V. Alagarsamy**, M. Ravichandran, P. Raveendran and B. Stalin (2019). "Evaluation of micro hardness and optimization of dry sliding wear parameters on AA7075 (Al-Zn-Mg-Cu) matrix composites", *Journal of the Balkan Tribological Association*, Vol. 25, No. 3, pp. 730-742.
- 21) **S.V. Alagarsamy** and M. Ravichandran (2019). "Investigations on tribological behaviour of AA7075-TiO<sub>2</sub> composites under dry sliding conditions", *Industrial Lubrication and Tribology*, Vol.71, no.9, pp.1064-1071.
- 22) **S.V. Alagarsamy**, M. Ravichandran, M. Meignanamoorthy, S. Sakthivelu and S. Dineshkumar (2019). "Prediction of surface roughness and tool wear in milling process on brass (C26130) alloy by Taguchi technique", *Materials Today: Proceedings*, Vol. 21, pp. 189-193.
- 23) S. Dineshkumar, M. Ravichandran, **S.V. Alagarsamy**, M. Meignanamoorthy and S. Sakthivelu (2019). "Effect of EDM process parameters on material removal rate and surface roughness of metal matrix composites: A review", *Materials Today: Proceedings*, Vol. 21, pp. 616-618.

- 24) **S.V. Alagarsamy** and M. Ravichandran (2019). "Synthesis, microstructure and properties of  $\text{TiO}_2$  reinforced AA7075 matrix composites via stir casting route", *Materials Research Express*, Vol. 6, pp.1-15.
- 25) **S.V. Alagarsamy**, M. Ravichandran, P. Raveendran, K. Karthikeyan and H. Saravanan (2018). "Selection of end milling parameters on AA7075-15wt.%  $\text{B}_4\text{C}$  metal matrix composites", *International Journal of TechnoChem Research*, Vol.04, No.02, pp.117-124.