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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_2 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_3N_4-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.

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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_2O_3 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_2O_3”, *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.
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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_2 composites under dry sliding conditions", *Industrial Lubrication and Tribology*, Vol.71, no.9, pp.1064-1071.

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24) **S.V. Alagarsamy** and M. Ravichandran (2019). “Synthesis, microstructure and properties of 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.% B_4C metal matrix composites”, *International Journal of TechnoChem Research*, Vol.04, No.02, pp.117-124.