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PUBLICATIONS

1. Kumar, M.D. and **Palani, P.K.**, 2020. Characterization studies on weld strength of rotary friction welded austenitic stainless steel tubes. *Materials Today: Proceedings*.
2. Srinivasan, V.P., **Palani, P.K.**, Dhayananthan, S., Gopi, S., Balamurugan, S. and Venkatesh, S.M., 2020. A Multi Criteria Decision Making (MCDM) based on TOPSIS and RSM for process improvement in electrical discharge machining of silicon nitride–titanium nitride ceramic composites. *Materials Today: Proceedings*.
3. Srinivasan, V.P. and **Palani, P.K.**, 2020. Surface integrity, fatigue performance and dry sliding wear behaviour of Si₃N₄–TiN after wire-electro discharge machining. *Ceramics International*.
4. Peramanan, A., **Palani, P.K.**, Devadasan, S.R. and Suresh, V., 2019. Agility in small sized pump manufacturing companies-an exploration in an Indian scenario. *International Journal of Rapid Manufacturing*, 8(1-2), pp.77-94.
5. Arulraj M, & **Palani, P.K.** 2018 ‘Parametric optimization for improving impact strength of squeeze cast of hybrid metal matrix (LM24–SiC_p–coconut shell ash) composite’ *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, vol. 40, pp. 1-10, ISSN 1678-5878
6. Arulraj M, **Palani, P.K.**, & Venkatesh L, 2019 ‘Multi-objective optimization of high speed turning parameters of hybrid aluminium matrix composite reinforced with silicon carbide and coconut shell ash’, *Journal of the Chinese Society of Mechanical Engineers*, ISSN 0257-9731 Vol. 40, no. 2, pp. 191-200
7. Arulraj M, **Palani, P.K.**, & Venkatesh L, 2019 ‘Optimization of machining parameters in turning of hybrid aluminium matrix (LM24–SiC_p–coconut shell ash) composite’, *Materiali in tehnologije / Materials and technology*, ISSN 1580-2949 Vol.53, no.2, pp.263-268
8. Arulraj M, **Palani, P.K.**, & Venkatesh L, 2016 ‘Experimental investigation on dry sliding wear behaviour of hybrid metal matrix (Al–Al₂O₃–B₄C) composite’ *International Journal of ChemTech Research*, vol. 9, no.05, pp. 359-364, ISSN 0974-4290
9. Arulraj M, **Palani, P.K.**, & Sowrirajan M, 2019 ‘Enhancing wear resistance of squeeze cast hybrid aluminium matrix (LM24–SiC_p–coconut shell ash) composite’, *International Journal of Computational Materials Science and Surface Engineering*, vol. 8, no. 2, pp. 145-166, ISSN 1753-3465.
10. Arulraj M, **Palani, P.K.**, Sowrirajan M, S.Vijayan & J.P.Davim 2019 ‘Optimization and Effect of Squeeze Casting Process Parameters on Tensile Strength of Hybrid

Metal Matrix Composite', Journal of Manufacturing Technology Research, vol. 11, no. 3-4, pp. 137-154, ISSN 1943-8095.

11. Arulraj M, **Palani, P.K.**, S.Vijayan, & T.Pugalenth, 2020 'Studies on microstructural and tensile behaviour of aluminium metal matrix composites with addition of SiC_p and coconut shell ash by squeeze casting method', Journal of the Chinese Society of Mechanical Engineers, ISSN 0257-9731 Vol. 41, no. 5, pp. 663-670.
12. Srinivasan, V.P., **Palani, P.K.** and Selvarajan, L., 2018. Experimental investigation on electrical discharge machining of ceramic composites (Si₃N₄-TiN) using RSM. International Journal of Computational Materials Science and Surface Engineering, 7(2), pp.104-115.
13. Padmanaban, G., **Palani, P.K.** and Thilak, V.M.M., 2017. Grey Relation Analysis of Solar Drying Process Parameter on Copra. Italian Journal of Food Science, 29(3).
14. **Palani, P.K.** and Murugan, N., 2009. Modelling and analysis of delta ferrite content in claddings deposited by flux cored arc welding using a neural network. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 223(4), pp.779-787.
15. **Palani, P.K.** and Murugan, N., 2007. Modeling and simulation of wire feed rate for steady current and pulsed current gas metal arc welding using 317L flux cored wire. The International Journal of Advanced Manufacturing Technology, 34(11-12), pp.1111-1119.