Panel Member's 5 year Publication details - PRDC

Members from other University / Institutions

Member 6

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1. Sudhakaran, R., **P. S. Sivasakthivel**, S. Nagaraja, and K. Md Eazhil. "The effect of welding process parameters on pitting corrosion and microstructure of chromium-manganese stainless steel gas tungsten arc welded plates." Procedia Engineering 97 (2014): 790-799.

2. R Sudhakaran, PS Sivasakthivel "Prediction of ferrite number in stainless steel gas tungsten arc welded plates using artificial neural networks" International Journal of Knowledge-based and Intelligent Engineering Systems, Vol. 18, No. 4, 2014.

3. Jeyaraj, S., K. P. Arulshri, and **P. S. Sivasakthivel**. "Effects of process parameters on microhardness of electrodeposited Ni-Al composite coating using Taguchi method." Portugaliae Electrochimica Acta 33.5 (2015): 249-264.

4. Jeyaraj, S., K. P. Arulshri, K. P. Harshavardhan, and **P. S. Sivasakthivel**. "Optimization of Flame Hardening Process Parameters Using L9 Orthogonal Array of Taguchi Approach." International Journal of Engineering and Applied Sciences (IJEAS), ISSN: 2394-3661, 2015.

5. Jeyaraj, S., K. P. Arulshri, **P. S. Sivasakthivel**, S. Dhasarathy, R. Saravanan, and G. Muralidharan. "Experimental Investigations and Effect Studies on Electrodeposited Nickel-Slag Powder Composite Coatings." Indian Journal of Science and Technology 8, no. 22 (2015).

6. Santhanakrishnan, M., **P. S. Sivasakthivel**, and R. Sudhakaran. "Modeling of geometrical and machining parameters on temperature rise while machining Al 6351 using response surface methodology and genetic algorithm." Journal of the Brazilian Society of Mechanical Sciences and Engineering 39.2 (2017): 487-496.

7. **Sivasakthivel P. S**., R. Sudhakaran, and S. Rajeswari. "Optimization and sensitivity analysis of geometrical and process parameters to reduce vibration during end milling process." Machining Science and Technology 21.3 (2017): 452-473.

8. **Sivasakthivel P. S**., and R. Sudhakaran. "Modelling and optimisation of welding parameters for multiple objectives in pre-heated gas metal arc welding process using nature instigated algorithms." Australian Journal of Mechanical Engineering (2018): 1-12.

9. Rajeswari, S., and **P. S. Sivasakthivel**. "Optimisation of milling parameters with multi-performance characteristic on Al/SiC metal matrix composite using grey-fuzzy logic algorithm." Multidiscipline Modeling in Materials and Structures 14.2 (2018): 284-305.

10. R Sudhakaran, **PS Sivasakthivel** and M Subramanian "Prediction of angular distortion in gas tungsten arc welded 202 grade stainless steel plates using artificial neural networks–An experimental approach" October 2019, AIP Conference Proceedings 2161(1):02005.

11. S Rajeswari and **PS Sivasakthivel** "Optimal selection of process parameters to reduce vibration during end milling of Al 356/SiC metal matrix composite" Indian Journal of Engineering & Materials Sciences Vol. 27, June 2020, pp. 590-602.