

**Dr.K.Manonmani,**

Professor,

Department Mechanical Engineering,

Alagappa Chettiar Government College of Engineering and Technology

Karaikudi 630003

Email – [k.manonmani@accet.edu.in](mailto:k.manonmani@accet.edu.in)

Ph:9842247959

### **LIST OF PUBLICATIONS**

1. Madhankumar, S., **Manonmani, K.**, Rajesh, S., Balamurugan, R., &Harikrishnan, M. (2018). Optimization of micro electrochemical machining of Inconel 625 using Taguchi based Grey relational analysis. *International journal of applied engineering research*, 13(9), 6771-6779.
2. Pandian<sup>1</sup>, K., &**Manonmani, K.** (2016). Void Coalescence and Texture Analysis of Various Indian Stainless Steel Sheets Formed Under Different Stress Conditions. *International Journal of Applied Chemistry*, 12(2), 139-156.
3. Vinoth, S. M., **Manonmani, K.**, & Gopi, S. (2014). FSW of Contradictory Ingredients among Alloy Mixtures and Copper.
4. Srinivasamoorthy, S., & **Manonmani, K.** (2014). Research on experimental investigation and predictive learning of (tio2) particulate filled polyester based gfrp composite. *Academic Journal of Manufacturing Engineering*, 12(3).
5. Moorthy, S. S., &**Manonmani, K.** (2014). Research on Sliding Wear Behavior of TiO<sub>2</sub> Filled Glass Fiber Reinforced Polymer Composite. *Research Journal of Applied Sciences, Engineering and Technology*, 7(16), 3356-3361.
6. Moorthy, S. S., &**Manonmani, K.** (2013). Fabrication and characterization of TiO<sub>2</sub> particulate filled glass fiber reinforced polymer composite. *Materials physics and mechanics*, 18(1), 28-34.
7. Gopi, S., &**Manonmani, K.** (2013). Microstructure and mechanical properties of friction stir welded 6082-T6 aluminium alloy. *Australian Journal of Mechanical Engineering*, 11(2), 131-138.
8. Gopi, S., &**Manonmani, K.** (2012). Predicting tensile strength of double side friction stir welded 6082-T6 aluminium alloy. *Science and Technology of Welding and Joining*, 17(7), 601-607.
9. Gopi, S., &**Manonmani, K.** (2012). Influence of shoulder profile and shoulder penetration on joint strength; of friction stir welded AA6082 in conventional milling machine. *European Journal of Scientific Research*, 73(1), 20-32.

10. Kumar, M. S., & **Manonmani, K.** (2011). Numerical and experimental investigation of lubricating oil flow in a gerotor pump. *International Journal of Automotive Technology*, 12(6), 903-911.
11. Suresh Kumar, M., & **Manonmani, K.** (2010). Computational fluid dynamics integrated development of gerotor pump inlet components for engine lubrication. *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, 224(12), 1555-1567.
12. Narayanasamy, R., Ravindran, R., **Manonmani, K.**, & Satheesh, J. (2009). A crystallographic texture perspective formability investigation of aluminium 5052 alloy sheets at various annealing temperatures. *Materials & Design*, 30(5), 1804-1817.
13. Ravindran, R., **Manonmani, K.**, & Narayanasamy, R. (2009). An analysis of void coalescence in AL 5052 alloy sheets annealed at different temperatures formed under different stress conditions. *Materials Science and Engineering: A*, 507(1-2), 252-267.
14. Shanmugam, N. S., Buvanasekaran, G., Sankaranarayanan, K., & **Manonmani, K.** (2009). Some studies on temperature profiles in AISI 304 stainless steel sheet during laser beam welding using FE simulation. *The International Journal of Advanced Manufacturing Technology*, 43(1-2), 78-94.
15. **Manonmani, K.**, Murugan, N., & Buvanasekaran, G. (2007). Effects of process parameters on the bead geometry of laser beam butt welded stainless steel sheets. *The International Journal of Advanced Manufacturing Technology*, 32(11-12), 1125-1133.