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### **PUBLICATIONS:**

1. Lakshmanan, M., Rajadurai, J. S., & Rajakarunakaran, S. (2020). Machining studies of Al7075 in CNC turning using grey relational analysis. *Materials Today: Proceedings*.
2. Lakshmanan, M., SelwinRajadurai, J., Chakkravarthy, V., & Rajakarunakaran, S. (2020). Wear and EBSD studies on (SiC/NiTi) reinforced Al7075 composite. *Materials Letters*, 127879.
3. Maharajan, S., Ravindran, D., & Rajakarunakaran, S. (2019). Effect of Heat Treatment on Formability of AA6082 by Single Point Incremental. *Advances in Forming, Machining and Automation: Proceedings of AIMTDR 2018*, 3.
4. Maharajan, S., Ravindran, D., Rajakarunakaran, S., & Khan, M. A. (2020). Analysis of surface properties of tungsten carbide (WC) coating over austenitic stainless steel (SS316) using plasma spray process. *Materials Today: Proceedings*, 27, 2463-2468.
5. Sureshkumar, P., Uvaraja, V. C., & Rajakarunakaran, S. (2019). Addition of metallic reinforcement enhanced deformation and properties of ceramic reinforced composite by adapting ECAP with increment number of passes. *Materials Research Express*, 6(8), 086502.
6. Maharajan, S., Ravindran, D., & Rajakarunakaran, S. (2019). Effect of Heat Treatment on Formability of AA6082 by Single Point Incremental Forming. In *Advances in Forming, Machining and Automation* (pp. 3-15). Springer, Singapore.
7. Pethuraj, M., Uthayakumar, M., Rajakarunakaran, S., & Rajesh, S. (2018). Solid particle erosive behaviour of sillimanite reinforced aluminium metal matrix composites. *Materials Research Express*, 5(6), 066514.
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10. Kumar, A. M., Rajakarunakaran, S., Pitchipoo, P., & Vimalasan, R. (2018). Fuzzy based risk prioritisation in an auto LPG dispensing station. *Safety science*, 101, 231-247.
11. Sambandam, M. T., Madlool, N. A., Saidur, R., Devaraj, D., & Rajakarunakaran, S. (2017). Investigation of energy saving potentials in T-junction and elbow in compressed air systems. *Energy Efficiency*, 10(5), 1099-1113.
12. Kumar, A. M., Rajakarunakaran, S., & Prabhu, V. A. (2017). Application of Fuzzy HEART and expert elicitation for quantifying human error probabilities in LPG refuelling station. *Journal of Loss Prevention in the Process Industries*, 48, 186-198.
13. Rajini, N., Winowlin Jappes, J. T., Siva, I., Varada Rajulu, A., & Rajakarunakaran, S. (2017). Fire and thermal resistance properties of chemically treated ligno-cellulosic coconut fabric-reinforced polymer eco-nanocomposites. *Journal of Industrial Textiles*, 47(1), 104-124.
14. Vincent, D. S., Pitchipoo, P., & Rajakarunakaran, S. (2017). Hybrid optimisation model for blind spot reduction in heavy vehicles. *International Journal of Computer Aided Engineering and Technology*, 9(2), 145-153.
15. Kumar, A. M., Rajakarunakaran, S., & Prabu, V. A. (2015). Human reliability analysis by cognitive approach for unloading process in an ALDS (Auto LPG Dispensing Station). *Indian Journal of Science and Technology*, 8(26), 1-11.
16. Pitchipoo, P., Vincent, D. S., Rajini, N., & Rajakarunakaran, S. (2015). Fuzzy Analytical Hierarchy Process Based Optimization of Rear View Mirror Design Parameters for Blind Spots Reduction in Heavy Transport Vehicles. *International Journal of Vehicle Structures & Systems*, 7(4), 136.
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19. Pitchipoo, P., Venkumar, P., & Rajakarunakaran, S. (2015). Grey decision model for supplier evaluation and selection in process industry: a comparative perspective. *The International Journal of Advanced Manufacturing Technology*, 76(9-12), 2059-2069.
20. Rajakarunakaran, S., Kumar, A. M., & Prabhu, V. A. (2015). Applications of fuzzy faulty tree analysis and expert elicitation for evaluation of risks in LPG refuelling station. *Journal of Loss Prevention in the Process Industries*, 33, 109-123.
21. Ganesan, P., Rajakarunakaran, S., Thirugnanasambandam, M., & Devaraj, D. (2015). The Influence of Floor Tile Colour on Lighting and Energy Saving. In *Power Electronics and Renewable Energy Systems* (pp. 177-182). Springer, New Delhi.