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**List of Publications:**

1. **A. Parthiban**, J. Muthukumaran, Ashan Manhas, Kumkum Srivastava, R Krishna & H Surya Prakash Rao “ Synthesis in vitro and in silico antimalarial activity of 7-chloroquinoline and 4H-chromene conjugates”, *Journal of Bioorganic & medicine chemistry letters*, Vol. 25, Issue 20, pp 4657 - 4663, 2015.
2. **A. Parthiban**, R. Ravikumar, B. Suresh Kumar & N. Baskar, “Process Performance with Regards to Surface Roughness of the CO2 Laser Cutting of AA6061–T6 Aluminium Alloy”, *Lasers in Engineering*, Vol.32, No.3, pp 327-341, 2015.
3. **A. Parthiban**, S. Sathish and M. Chandrasekaran,” Optimization of Abrasive Water Jet Cutting Parameter for AISI 316L Stainless Steel Sheet”, *Journal of Applied Fluid Mechanics*, Vol. 10, Special Issue, pp. 15-22, 2017.
4. **A. Parthiban**, M. Chandrasekaran, V. Muthuraman, S. Sathish, “ Optimization of CO2 laser cutting of stainless steel sheet for curved profile”, *Materials TodayProceedings*.No.5 pp.14531-14538, 2018.
5. **A Parthiban**, J. P. Prasath , P. Vivek , R. Pugazhenthii, “ Experimental Investigation of plasma arc cutting for stainless steel sheet”, *International journal of mechanical and production engineering research and development*, vol.8, No.1, 907 - 914, 2018.
6. **A. Parthiban**, T. Sathish, S. Siva Chandran, V. Vijayan, “ Optimization of CO2 laser cutting parameters on austenite stainless steel using grey relational analysis”, *International Journal of Mechanical Engineering and Technology*, Vol. 10, No. 01, pp. 984 - 992, 2019.

7. R Pugazhenth, S Sivaganesan, C Dhansekaran , **A Parthiban**, “Morphological and Mechanical Characteristics of Hybrid Aluminium Matrix Composites”, *International Journal of Vehicle Structures & Systems*, Vol. 11, Issue 2, 2019.
8. **A. Parthiban**, S. Dinesh, T Parameshwaran Pillai, & K Rajaguru, “Modelling of WED process for machining ASTM 52100 steel”, *Materials Today Proceedings*. Elsevier, 2020.

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