

Dr. S. Arivazhagan,  
Professor, Dept. of Mechanical Engineering  
St. Joseph's College of Engineering,  
Old Mamallapuram Road,  
Chennai, Tamil Nadu, India – 600119

*Publications in SCI, WOS indexed Journals*

1. Chandramohan, P, Murugesan, S. N. & **Arivazhagan, S.** (2020), “Experimental Investigation of Multi-Jet Air Impingement in Various Conditions and Analysis using Desirability Based Response Surface Methodology” *Journal of Applied Fluid Mechanics*, vol. x, no.x, pp. x-x, ISSN : 1735- 3572 (Impact Factor: 1.09) *Article in Press*
2. Leo, G.M.L., Sekar, S., **Arivazhagan, S.** (2020), “Experimental investigation and ANN modelling of the effects of diesel/gasoline premixing in a waste cooking oil-fuelled HCCI-DI engine” *Journal of Thermal Analysis and Calorimetry*, doi:10.1007/s10973-020-09418-z
3. G. M. Lionus Leo, S. Sekar, **S. Arivazhagan** (2019) , “experimental investigation, ann modelling and topsis optimization of gasoline premixed hcci-di engine with direct injection of fecl<sub>3</sub> nano additive blended WCO”, *Transactions of FAMENA*, Vol. 42 No.3
4. G. M. Lionus Leo, S. Sekar, **S. Arivazhagan** (2018), “Experimental investigation, optimization and ANN model prediction of a gasoline premixed waste cooking oil fueled HCCI–DI engine”, *Journal of the Brazilian Society of Mechanical Sciences and Engineering* (2018) 40:49 <https://doi.org/10.1007/s40430-018-0967-1>
5. Thamizhvalavan P., **S. Arivazhagan**, N. Yuvaraj & B. Ramesh (2018), ‘Machinability study of abrasive aqua jet parameters on hybrid metal matrix composite’, *Materials and Manufacturing Processes*, Accepted for publication. article: <https://doi.org/10.1080/10426914.2018.1544707>(Impact Factor : 2.274)
6. Chandramohan, P, Murugesan, S. N. & **Arivazhagan, S** (2017), ‘Experimental Investigation and CFD Analysis of Influence of Swirl, Arrangement of Nozzle, Cross Section And Diameter of Jets on Heat Transfer in Multi-Jet Air Impingement Cooling’, *Thermal Science* ISSN: 0354-9836 Accepted for publication. <https://doi.org/10.2298/TSCI170620177C>(Impact Factor: 1.45)
7. Chandramohan, P, Murugesan, S. N. & **Arivazhagan, S** (2017), ‘Heat Transfer Analysis of Flat Plate Subjected To Multi-Jet Air Impingement Using Principal Component Analysis and Computational Technique’, *Journal of Applied Fluid Mechanics*, vol. 10, no.1, pp. 293-306, ISSN : 1735- 3572 (Impact Factor: 1.09)