Dr. A.K Jeevantham, M.E., Ph.D., Department of Manufacturing Engineering Professor & HOD Vellore Institute of Technology,

Vellore, Tamilnadu – 632014

Email: akjeevanantham@vit.ac.in

Mobile no: 94880 44330

- Kumar, A. N., Kishore, P. S., Raju, K. B., Ashok, B., Vignesh, R., Jeevanantham, A. K.,&
 Tamilvanan, A. (2020). Decanol Proportional Effect Prediction Model as Additive in Palm
 Biodiesel Using ANN and RSM Technique for Diesel Engine. *Energy*, 119072.
- 2. Ashok, B., **Jeevanantham, A. K**., Hire, K. R. B., Kashyap, V., & Saiteja, P. (2020). Calibration of idling characteristics for Lemon Peel Oil using Central Composite Design in light commercial vehicle diesel engine. *Energy Conversion and Management*, 221, 113183.
- 3. Ashok, B., **Jeevanantham, A. K**., Hire, K. R. B., Kashyap, V., & Saiteja, P. (2020). Calibration of idling characteristics for Lemon Peel Oil using Central Composite Design in light commercial vehicle diesel engine. *Energy Conversion and Management*, 221, 113183.
- Ashok, B., Jeevanantham, A. K., Prabhu, K., Shirude, P. M., Shinde, D. D., Nadgauda, N. S.,
 & Karthick, C. (2020). Multi-Objective Optimization on Vibration and Noise Characteristics
 of Light Duty Biofuel Powered Engine at Idling Condition Using Response Surface
 Methodology. *Journal of Energy Resources Technology*, 143(4).
- Jeevanantham, A. K., Seenivasagam, D. R., & Ananthanarayanan, R. (2020). Strain hardening analysis and modelling for sintered Al-Cu-TiC preforms with varying process parameters during cold upsetting. *Journal of Materials Research and Technology*, 9(5), 12007-12018.
- Jeevanantham, A. K., Seenivasagam, D. R., & Ananthanarayanan, R. (2020). Strain hardening analysis and modelling for sintered Al-Cu-TiC preforms with varying process parameters during cold upsetting. *Journal of Materials Research and Technology*, 9(5), 12007-12018.

- 7. Kavimani, V., Prakash, K. S., Thankachan, T., Nagaraja, S., **Jeevanantham, A. K.**, & Jhon, J. P. (2020). WEDM parameter optimization for silicon@ r-GO/magneisum composite using taguchi based GRA coupled PCA. *Silicon*, *12*(5), 1161-1175.
- 8. Sreedharan, J., **Jeevanantham, A. K.**, & Rajeshkannan, A. (2020). Multi-objective optimization for multi-stage sequential plastic injection molding with plating process using RSM and PCA-based weighted-GRA. *Proceedings of the Institution of Mechanical Engineers*, *Part C: Journal of Mechanical Engineering Science*, 234(5), 1014-1030.
- 9. **Jeevanantham**, **A. K**., Reddy, D. M., Goyal, N., Bansal, D., Kumar, G., Kumar, A., ... & Ashok, B. (2020). Experimental study on the effect of cetane improver with turpentine oil on CI engine characteristics. *Fuel*, 262, 116551.
- 10. **Jeevanantham, A. K.**, Chaitanya, S. V., & Ananthanarayanan, R. (2020). Matrix-based tolerance analysis for multi-component selective assembly with geometric and dimensional features using genetic algorithm. *International Journal of Productivity and Quality Management*, 30(4), 527-560.
- 11. Singh, S., Rajeshkannan, A., Feroz, S., & **Jeevanantham, A. K**. (2020). Effect of Normalizing on the Tensile Strength, Shrinkage and Surface Roughness of PLA Plastic. *Materials Today: Proceedings*, 24, 1174-1182.
- 12. Rajeshkannan, A., Ali, M., Prakash, R., Prasad, R., **Jeevanantham, A. K.**, & Jayaram, K. (2020). Optimizing the Process Parameters in Plasma Arc Cutting using Taguchi Approach for the Case Industry in Fiji. *Materials Today: Proceedings*, 24, 1122-1131.
- 13. Rajeshkannan, A., Guyot, E., & **Jeevanantham, A. K.** (2020). Effect of Preform Geometry and Molybdenum Addition on Work Hardening Behavior of Fe-0.8% C Steel Preforms during Cold Upsetting. *Materials Today: Proceedings*, 22, 1822-1828.
- 14. Khan, M. N., Narayan, S., Rajeshkannan, A., & Jeevanantham, A. K. (2020). Formability of Sintered Al, Al-Cu and Al-Cu-TiC Composites during Cold Upsetting. *Materials Today:* Proceedings, 22, 2499-2508.

- 15. Kolivuso, M., Rajeshkannan, A., & **Jeevanantham, A. K.** (2020). Study on Computational and Conventional Method of Determining Volume of Material Removal in CNC Milling Process. *Materials Today: Proceedings*, 22, 1360-1368.
- 16. **Jeevanantham, A. K.**, Nanthagopal, K., Ashok, B., Ala'a, H., Thiyagarajan, S., Geo, V. E., & Samuel, K. J. (2019). Impact of addition of two ether additives with high speed diesel-Calophyllum Inophyllum biodiesel blends on NOx reduction in CI engine. *Energy*, 185, 39-54
- 17. **Jeevanantham, A. K.**, Chaitanya, S. V., & Rajeshkannan, A. (2019). Tolerance analysis in selective assembly of multiple component features to control assembly variation using matrix model and genetic algorithm. *International Journal of Precision Engineering and Manufacturing*, 20(10), 1801-1815.
- 18. Bhowmick, P., **Jeevanantham, A. K**., Ashok, B., Nanthagopal, K., Perumal, D. A., Karthickeyan, V.,& Jain, A. (2019). Effect of fuel injection strategies and EGR on biodiesel blend in a CRDI engine. *Energy*, *181*, 1094-1113.
- Ashok, B., Jeevanantham, A. K., Nanthagopal, K., Saravanan, B., Kumar, M. S., Johny, A.,
 & Abubakar, S. (2019). An experimental analysis on the effect of n-pentanol-Calophyllum
 Inophyllum Biodiesel binary blends in CI engine characteristics. *Energy*, 173, 290-305.
- 20. Chaitanya, S. V., & Jeevanantham, A. K. (2019, February). A New Approach to Control Assembly Variation in Selective Assembly Using Hierarchical Clustering. In *International Conference on Reliability, Risk Maintenance and Engineering Management* (pp. 213-222). Springer, Singapore.
- 21. Rajeshkannan, A., Narayan, S., & **Jeevanantham, A. K**. (2019). Modelling and analysis of strain hardening characteristics of sintered steel preforms under cold forging. *AIMS Mater*. *Sci*, 6, 63-79.
- Ashok, B., Nanthagopal, K., Anand, V., Aravind, K. M., Jeevanantham, A. K., & Balusamy,
 S. (2019). Effects of n-octanol as a fuel blend with biodiesel on diesel engine characteristics. *Fuel*, 235, 363-373.
- 23. Sreedharan, J., & **Jeevanantham, A. K**. (2018). Analysis of shrinkages in ABS injection molding parts for automobile applications. *Materials Today: Proceedings*, 5(5), 12744-12749.

- 24. Pandivelan, C., **Jeevanantham, A. K.**, & Sathiyanarayanan, C. (2018). Optimization study on incremental forming of sheet metal AA5052 for variable wall angle using CNC milling machine. *Materials Today: Proceedings*, 5(5), 12832-12836.
- 25. Muthusamy, T., **Jeevanantham, A. K**., Kishore, R., & Rajeshkanan, A. (2018). Formability and force analysis of steel foils in single point micro-incremental forming (SPMIF). *Materials Today: Proceedings*, *5*(5), 12772-12781.
- 26. Sreedharan, J., & **Jeevanantham**, **A. K**. (2018). Optimization of Injection Molding Process to Minimize Weld-line and Sink-mark Defects Using Taguchi based Grey Relational Analysis. *Materials Today: Proceedings*, 5(5), 12615-12622.
- 27. Chaitanya, S. V., & **Jeevanantham, A. K**. (2018). Modelling and analysis of assembly clearance by size and form tolerances in selective assembly using clustering algorithm. *International journal of productivity and quality management*, 24(2), 196-218.
- 28. Ashok, B., Nanthagopal, K., Jeevanantham, A. K., Bhowmick, P., Malhotra, D., & Agarwal, P. (2017). An assessment of calophyllum inophyllum biodiesel fuelled diesel engine characteristics using novel antioxidant additives. *Energy Conversion and Management*, 148, 935-943.
- 29. Baruah, A., Pandivelan, C., & **Jeevanantham, A. K**. (2017). Optimization of AA5052 in incremental sheet forming using grey relational analysis. *Measurement*, *106*, 95-100.
- 30. Baruah, A., Pandivelan, C., **Jeevanantham, A. K.**, & Das, S. (2017). Optimisation and formability study of AA5052 through incremental sheet forming. *International Journal of Computer Aided Engineering and Technology*, 9(2), 124-144.
- 31. Manoharan, R., Vasudevan, R., & **Jeevanantham, A. K**. (2015). Optimal layout of a partially treated laminated composite magnetorheological fluid sandwich plate. *Smart Structures and Systems*, *16*(6), 1023-1047.
- 32. Pandivelan, C., & **Jeevanantham**, **A.** (2015). Formability evaluation of AA 6061 alloy sheets on single point incremental forming using CNC vertical milling machine. *J Mater Environ Sci*, 6(5), 1343-1353p.