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LAST FIVE YEARS PUBLICATION LIST :

1. V Kavimani, K Soorya Prakash, Titus Thankachan, S Nagaraja, **AK Jeevanantham**, Jithin P Jhon, **2020**, 'WEDM parameter optimization for silicon@ r-GO/magneisum composite using taguchi based GRA coupled PCA', Silicon 12 (5), 1161-1175.
2. J Sreedharan, **AK Jeevanantham**, A Rajeshkannan, **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.
3. **AK Jeevanantham**, D Madhusudan Reddy, Neel Goyal, Devansh Bansal, Gopalakrishnan Kumar, Aman Kumar, K Nanthagopal, B Ashok, **2020**, 'Experimental study on the effect of cetane improver with turpentine oil on CI engine characteristics', Fuel 262, 116551.
4. A Naresh Kumar, PS Kishore, K Brahma Raju, B Ashok, R Vignesh, **AK Jeevanantham**, K Nanthagopal, A Tamilvanan, **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).
5. **AK Jeevanantham**, DR Seenivasagam, R Ananthanarayanan, **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.

6. **AK Jeevanantham**, SV Chaitanya, R Ananthanarayanan, **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.
7. S Singh, A Rajeshkannan, S Feroz, **AK Jeevanantham**, **2020**, 'Effect of Normalizing on the Tensile Strength, Shrinkage and Surface Roughness of PLA Plastic', Materials Today: Proceedings 24, 1174-1182.
8. A Rajeshkannan, M Ali, R Prakash, R Prasad, **AK Jeevanantham**, K Jayaram, **2020**, 'Optimizing the Process Parameters in Plasma Arc Cutting using Taguchi Approach for the Case Industry in Fiji', Materials Today: Proceedings 24, 1122-1131.
9. A Rajeshkannan, E Guyot, **AK Jeevanantham**, **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.
10. MN Khan, S Narayan, A Rajeshkannan, **AK Jeevanantham**, **2020**, 'Formability of Sintered Al, Al-Cu and Al-Cu-TiC Composites during Cold Upsetting', Materials Today: Proceedings 22, 2499-2508.
11. M Kolivuso, A Rajeshkannan, **AK Jeevanantham**, **2020**, 'Study on Computational and Conventional Method of Determining Volume of Material Removal in CNC Milling Process', Materials Today: Proceedings 22, 1360-1368.
12. B Ashok, Kasianantham Nanthagopal, Vivek Anand, KM Aravind, **AK Jeevanantham**, Saravanan Balusamy, **2019**, 'Effects of n-octanol as a fuel blend with biodiesel on diesel engine characteristics', Fuel 235, 363-373.

13. B Ashok, **AK Jeevanantham**, K Nanthagopal, B Saravanan, M Senthil Kumar, Ajith Johny, Aravind Mohan, Muhammad Usman Kaisan, Shitu Abubakar, **2019**, 'An experimental analysis on the effect of n-pentanol-Calophyllum Inophyllum Biodiesel binary blends in CI engine characteristics', Energy 173, 290-305.
14. Pathikrit Bhowmick, **AK Jeevanantham**, B Ashok, K Nanthagopal, D Arumuga Perumal, V Karthickeyan, KC Vora, Aatmesh Jain, **2019**, 'Effect of fuel injection strategies and EGR on biodiesel blend in a CRDI engine', Energy 181, 1094-1113.
15. **AK Jeevanantham**, K Nanthagopal, B Ashok, H Ala'a, S Thiyagarajan, V Edwin Geo, Hwai Chyuan Ong, K John Samuel, **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.
16. **AK Jeevanantham**, SV Chaitanya, A Rajeshkannan, **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.
17. A Rajeshkannan, S Narayan, **AK Jeevanantham**, **2019**, 'Modelling and analysis of strain hardening characteristics of sintered steel preforms under cold forging', AIMS Mater. Sci 6, 63-79.
18. SV Chaitanya, **AK Jeevanantham**, **2019**, 'A New Approach to Control Assembly Variation in Selective Assembly Using Hierarchical Clustering', International Conference on Reliability, Risk Maintenance and Engineering Management, 213-222.
19. J Sreedharan, **AK Jeevanantham**, **2018**, 'Analysis of shrinkages in ABS injection molding parts for automobile applications', Materials Today: Proceedings 5 (5), 12744-12749.

20. C Pandivelan, **AK Jeevanantham**, C Sathiyarayanan, **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.
21. T Muthusamy, **AK Jeevanantham**, R Kishore, A Rajeshkaran, **2018**, 'Formability and force analysis of steel foils in single point micro-incremental forming (SPMIF)', *Materials Today: Proceedings* 5 (5), 12772-12781.
22. B Ashok, K Nanthagopal, **AK Jeevanantham**, Pathikrit Bhowmick, Dhruv Malhotra, Pranjal Agarwal, **2017**, 'An assessment of calophyllum inophyllum biodiesel fuelled diesel engine characteristics using novel antioxidant additives', *Energy Conversion and Management* 148, 935-943.
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24. M Ramamoorthy, V Rajamohan, **AK Jeevanantham**, **2016**, 'Vibration analysis of a partially treated laminated composite magnetorheological fluid sandwich plate', *Journal of Vibration and Control* 22 (3), 869-895.
25. **AK Jeevanantham**, C Pandivelan, **2016**, 'Topology and shape optimization of gear casing using finite element and taguchi based statistical analyses', *ARPJ. Eng. Appl. Sci* 11 (23), 13721-13734.
26. C Pandivelan, **AK Jeevanantham**, **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.
27. R Manoharan, R Vasudevan, **AK Jeevanantham**, **2015**, 'Optimal layout of a partially treated laminated composite magnetorheological fluid sandwich plate', *Smart Structures and Systems* 16 (6), 1023-1047.