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Area of Specialization: Production Engineering

List of Publications:

1. Madheswaran Subramaniyan, **Sivakumar Karuppan**, Prakash Eswaran, Anandhamoorthy Appusamy State of art on fusion deposition modeling machines process parameter optimization on composite materials Materials Today: Proceedings April2020 - APR 2020
2. VELMURUGAN. S, ARUNKUMAR. S, NANDAGOPAL. M and **SIVAKUMAR. K** Less Effort Front Operated Longitudinal Table Movement of Milling Machine Using Gearless Transmission System International Journal of Mechanical and Production Engineering Research and Development 9 1 162 - 170 JAN 2019
3. MADHESWARAN SUBRAMANIYAN , PRAKASH ESWARAN , **SIVAKUMAR KARUPPAN** REVIEW ON 4D PRINTING MATERIALS, STIMULI AND ITS FUTURE APPLICATION International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) 9 Special Issue 1 316 - 327 JAN 2019
4. R. Shanmuga Prakash, **K. Sivakumar**, S. Jegadheeswaran, A. Amarkarthik, P. Mathankumar Parameters Optimization of Copper Powder Mixed Dielectric and Pure Dielectric Medium in Wire Electrical Discharge Machining of AISI D3 Steel AIP Conference Proceedings 2128 1 - 12 JUL 2019
5. Dhanabalan S, **Sivakumar K**, Sathiya Narayanan C Form tolerances investigation in EDM process for super alloys using multiple holes electrodes Indian Journal of Engineering and Material Sciences 26 June-August 200 - 204 AUG 2019
6. E Prakash, **K Sivakumar**, S Madheswaran Minimizing Error on Circularity of FDM Manufactured Part Materials Today Proceedings 5 2 6675 - 6683 APR 2018
7. P. Senthil Kumar, **K. Sivakumar**, R. Kanagarajan, S. Kuberan Adaptive Neuro Fuzzy Inference System control of active suspension system with actuator dynamics Journal of VibroEngineering 1 20 541 - 549 FEB 2018
8. Sengottuvelan M, **Sivakumar K**, Nandagopal M Casting defects and their causes impactsthe quality of Cast Products - A Review International Journal of Mechanical and Production Engineering Research and Development 8 7 27 - 38 OCT 2018
9. Mathan Kumar, P, **Sivakumar, K** Multi Objective Optimization and Analysis of Copper-Titanium Diboride Electrode in EDM of Monel 400TM Alloy Materials and manufacturing processes - An International Journal 33 13 1429 - 1437 JUN 2018

10. Mathan Kumar. P, **Sivakumar. K** Surface Modification on OHNS Steel Using Cu-CrB₂ Green Compact Electrode in EDM Materials Today: Proceedings - An International Journal, 5 9(1) 17389 - 17395 AUG 2018

11. P. Mathan Kumar, **K. Siva Kumar**, A. Amar Karthik , S.Jegadheeswaran Performance Analysis of Cu-TiB₂ Powder Metallurgy Electrode on Diametral Overcut and Surface Roughness in Edm Of Monel 400TM International Journal of Mechanical and Production Engineering Research and Development(IJMPERD) 8 7 690 - 696 SEP 2018

12. MADHESWARAN SUBRAMANIYAN, **SIVAKUMAR KARUPPAN**, PRAKASH ESWARAN, ANANDHAMOORTHY STATE OF THE ART ON ADDITIVE MANUFACTURING (3D PRINTING) TECHNOLOGY FIBER REINFORCED ABS, PLA, PP, POLYMER COMPOSITE IN FUSION DEPOSITION MODELING (FDM) International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) 8 7 629 - 641 OCT 2018

13. PRAKASH. S, **SIVAKUMAR. K** A STUDY ON THE PERFORMANCE EMISSION AND TRIBOLOGICAL CHARACTERISTICS OF DI CI ENGINE WITH SURFACE TEXTURING IN PISTON COMPRESSION RING International Journal of Mechanical and Production Engineering Research and Development 8 751 - 760 OCT 2018