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List of Publications

1. Venkatesan, K., Devendiran, S., Bhupatiraju, S. C. S. R., Kolluru, S., & Pavan Kumar, C. (2020). Experimental investigation and optimization of micro-drilling parameters on Inconel 800 superalloy. *Materials and Manufacturing Processes*, *35*(11), 1214-1227.
2. Venkatesan, K., Devendiran, S., Sachin, D., & Swaraj, J. (2020). Investigation of machinability characteristics and comparative analysis under different machining conditions for sustainable manufacturing. *Measurement*, *154*, 107425.
3. Venkatesan, K., Devendiran, S., Nishanth Purusotham, K., & Praveen, V. S. (2020). Study of machinability performance of Hastelloy-X for nanofluids, dry with coated tools. *Materials and Manufacturing Processes*, 1-11.
4. Kumar, T. A., Sidhardha, N. S., Mathew, A. T., Devendiran, S., Kannan, V., & Koka, T. R. (2020). Design of Gas gun barrel support structure by finite element model updating using optimization techniques. *Materials Today: Proceedings*, *22*, 3027-3036.
5. Gupta, S., Venkatesan, K., Devendiran, S., & Mathew, A. T. (2019). Experimental investigation of IN725 under different cooling environments using new tool holder. *Materials and Manufacturing Processes*, *34*(6), 637-647.
6. Alakan, A., Nishanth, D., Nagaraju, D., Narayanan, S., & Devendiran, S. (2019). On the Optimality of Inventory and Shipment Decisions in a Joint Three Echelon Inventory Model with Finite Production Rate under Stock Dependent Demand. *Procedia Manufacturing*, *30*, 490-497.
7. Venkatesan, K., Mathew, A. T., Devendiran, S., Ghazaly, N. M., Sanjith, S., & Raghul, R. (2019). Machinability study and multi-response optimization of cutting force, Surface roughness and tool wear on CNC turned Inconel 617 superalloy using Al2O3 Nanofluids in Coconut oil. *Procedia Manufacturing*, *30*, 396-403.
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9. Venkatesan, K., Manivannan, K., Devendiran, S., Mathew, A. T., Ghazaly, N. M., & Benny, S. N. (2019). Study of Forces, Surface Finish and Chip Morphology on Machining of Inconel 825. *Procedia Manufacturing*, *30*, 611-618.
10. Venkatesan, K., Devendiran, S., & Ghazaly, N. M. (2019). Application of Taguchi-Response surface analysis to optimize the cutting parameters on turning of Inconel X-750 using Nanofluids suspended Al2O3 in coconut oil. *Procedia Manufacturing*, *30*, 90-97.

11. Venkatesan, K., Devendiran, S., Goswami, B. B., Kumar, P., & Tejpalsinngh, S. R. (2019). Study of Forces, Surface Finish, and Tool Life on Machining of Inconel 718. In *Advances in Manufacturing Technology* (pp. 327-334). Springer, Singapore.
12. Velmurugan, K. V., Venkatesan, K., Devendiran, S., & Mathew, A. T. (2019). Investigation of Parameters for Machining a Difficult-to-Machine Superalloy: Inconel X-750 and Waspaloy. In *Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018)* (pp. 199-215). Springer, Singapore.
13. Velmurugan, K. V., Venkatesan, K., Devendiran, S., & Mathew, A. T. (2019). Dry Machining of Nimonic 263 Alloy Using PVD and CVD Inserts. In *Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018)* (pp. 179-198). Springer, Singapore.
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16. Devendiran, S., & Mathew, A. T. (2018). Bearing Fault Diagnosis Using Empirical Mode Decomposition, Entropy Based Features And Data Mining Techniques. *Materials Today: Proceedings*, *5*(5), 11460-11475.
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18. Devendiran, S., Teja, N. H., Praveen, D. N., & Reddy, C. H. (2016). Investigation on effects of tooth profile modifications and transmitted torque on tooth engagements of a pair of helical gears. *International Journal of Applied Engineering Research*, *11*(8), 6044-6052.
19. Devendiran, S., & Manivannan, K. (2016). Vibration based condition monitoring and fault diagnosis technologies for bearing and gear components-a review. *International Journal of Applied Engineering Research*, *11*(6), 3966-3975.
20. Devendiran, S., Manivannan, K., Kamani, S. C., & Refai, R. (2015). An early bearing fault diagnosis using effective feature selection methods and data mining techniques. *International Journal of Engineering and Technology.*, *7*(2), 583-98.
21. Devendiran, S., & Manivannan, K. (2015). Vibration Signal Based Multi-fault Diagnosis of Gears using Roughset Integrated PCA and Neural Networks. *Int. J. Mech. Mechatron. Eng*, *15*(01).
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