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Last 5 Years Publications

1. Dr. Ajith Ramesh and S., S., "Homogenization of Mechanical Properties of Unidirectional Fibre Reinforced Composites with Matrix and Interface Defects: A Finite Element Approach", *Journal of Physics: Conference Series*, International Conference on Aerospace and Mechanical Engineering, vol. 1355, 2019.
2. K. K., Sumesh C.S., and Dr. Ajith Ramesh, "Numerical modeling and multi objective optimization of face milling of AISI 304 steel", *Journal of Applied and Computational Mechanics*, vol. 5, pp. 749-762, 2019.
3. Sumesh C.S. and Dr. Ajith Ramesh, "Numerical Modelling and Optimization of dry Orthogonal Turning of Al6061 T6 alloy", *Periodica Polytechnica Mechanical Engineering*, vol. 62, pp. 196-202, 2018.
4. M. Haridas, G. Gopal, Dr. Ajith Ramesh, and R.K. Katta, "Modelling and simulation of single and multi-pass flow forming to investigate the influence of process parameters on part accuracy", *International Journal of Manufacturing Research*, vol. 11, pp. 274-289, 2016.
5. Dr. Ajith Ramesh, Sumesh C.S., Abhilash, P. M., and Rakesh, S., "Finite Element Modelling of Orthogonal Machining of Hard to Machine Materials", *International Journal of Machining and Machinability of Materials*, vol. 17, pp. 543-568, 2015.
6. THEKKOOT SURENDRAN, Sarath Babu, CS SUMESH, and Ajith RAMESH. "NUMERICAL MODELING AND OPTIMIZATION OF COLD ROLLING PROCESS OF AA5086 SHEETS." *Academic Journal of Manufacturing Engineering* 18, no. 3 (2020).
7. Sumesh, Chathakudath Sukumaran, and Ajith Ramesh. "Numerical Modelling and Optimization of Dry Orthogonal Turning of Al6061 T6 Alloy." *Periodica Polytechnica Mechanical Engineering* 62, no. 3 (2018): 196-202.
8. Siddharth, S., and Ajith Ramesh. "Homogenization of Mechanical Properties of Unidirectional Fibre Reinforced Composites with Matrix and Interface Defects: A Finite Element Approach." In *Journal of Physics: Conference Series*, vol. 1355, no. 1, p. 012040. IOP Publishing, 2019.
9. Raj, Akhil B., A. Arun, and Ajith Ramesh. "Finite Element Modelling and Optimisation of Sheet Hydroforming for Cryo-rolled AA5083 Sheets." *Trends in Manufacturing and Engineering Management*: 931-942.
10. Surendran, Sarath Babu Thekkoot, C. S. Sumesh, and Ajith Ramesh. "Numerical Modeling of Orthogonal Machining Process Using Smoothed Particle Hydrodynamics—A Parametric Study." *Trends in Manufacturing and Engineering Management* (2020): 497-509.

11. Krishna, Ajay Ram, A. Arun, D. Unnikrishnan, and Karthik V. Shankar. "An investigation on the mechanical and tribological properties of alloy A356 on the addition of WC." *Materials Today: Proceedings* 5, no. 5 (2018): 12349-12355.