Department of Mechanical Engineering

Staff Publications

Sr. No.	Name of Faculty	Year	Name of Paper
01.	Prof. (Dr.) T. Y. Badgujar (Head of Department)	2018	Stamping process parameter optimization with multiple regression analysis approach
02.		2019	Performance study of stamping process using condition monitoring: a review
03.		2019	Detection of Punch Wear in Stamping Process Using Acoustic Emission
04.		2021	Vibration analysis of composite internal door panel of a car using FFT analyzer
05.		2021	Advances in Sheet Metal
06.		2021	Advances in sheet metal stamping technology: A case of design and manufacturing of a car door inner panel using a tailor welded blank
07.		2022	Wavelet transform and mel-frequency cepstral coefficient-based feature extraction of the sheet metal trimming process to study burr formation
08.		2023	Prediction of burr height formation in sheet metal trimming processes using acoustic signals and an artificial neural network
01.	Dr. A. V. Kolhe	2018	Bending characteristics of foam filled mild steel bumper beam under gradual loading condition
02.		2018	Investigation on energy absorption properties of Al-foam, foam filled and empty MS tube under 3-point loading condition at room temperature
03.		2020	Experimental Studies on Pressure Drop Characterization of Curved Tube Sections in Laminar Flow Regime
04.		2021	Performance evaluation of Coriolis mass flow meter in laminar flow regime
05.		2021	Design and Analysis of Coriolis Mass Flow Meter for Laminar Flow Region
06.		2022	Performance Evaluation of Heat Pipe Heat Exchanger with Nanofluid: An Experimental Study
07.		2023	Experimental Investigation of Coefficient of Performance Enhancement (COP) in Ice Plant Using Brine-Based Metal Oxide Nanofluids
08.		2023	Evaluation of omega-shaped Coriolis mass flow meter for laminar flow
09.		2023	Tribological and microstructure studies of LM26/SiC metal matrix composite materials and structures for high temperature applications
10.		2023	Mechanical and tribological behavior of LM26/SiC/Ni-Gr hybrid composites

11.		2023	Mechanical and Tribological Behavior of LM26/SiC/Ni-Gr Hybrid Composites
12.		2023	Parameter optimization of coriolis mass flow meter in laminar flow regime using Doe-Taguchi method
01.	**Prof. P. S. Talmale**	2018	Tribological Study of Aluminum Based Composite Material for Automotive Brake Material
02.		2019	Recent advancement for green and sustainable manufacturing grinding process: a review
03.		2019	Experimental study of heat transfer characteristics of Al2O3 and CuO nanofluids for machining application
04.		2020	Performance improvement of nanofluid minimum quantity lubrication (Nanofluid MQL) technique in surface grinding by optimization using Jaya algorithm
05.		2020	Optimization of nanofluid minimum quantity lubrication (NanoMQL) technique for grinding performance using Jaya algorithm
06.		2021	Modelling and optimisation of nanocoolant minimum quantity lubrication process parameters for grinding performance
07.		2023	Nanofluids, micro-lubrications and machining process optimisations− a review