Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research

Paper Publication Details

Sr. No.	Name Of Faculty	Title of Paper	Name of Journal	ISSN/ISBN/doi
CAY 2024-25				
1	Chetan E. Kolambe	Smarter Drone for Fertilizer Spraying	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	10.17148/IJIREEICE.2024.12601
2	Ganesh E. Kondhalkar	Optimizing Aerofoil Design: A Comprehensive Analysis of Aerodynamic Efficiency through CFD Simulations and Wind Tunnel Experiments	Informatics Publishing Limited and Books & Journals Private Ltd.	https://doi.org/10.18311/jmmf/2024/45361
CAYm1 2023-24				
1	Kashinath H. Munde	Estimation of contact stresses in EN31 rolling contact bearings for screw compressor using Gauss quadrature & statistical analysis	Australian Journal of Mechanical Engineering (SCI)	https://doi.org/10.1080/14484846.2023.2195098
2	Ganesh E. Kondhalkar	Experimental setup for fault detection of rolling contact bearing for prediction of RUL	AIP Publishing	10.1063/5.0157139
	Ashish R. Pawar	Experimental setup for fault detection of rolling contact bearing for prediction of RUL	AIP Publishing	
3	Ashish R. Pawar	Prototype Gantry System for Polyhouse Application	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	10.17148/IJIREEICE.2023.11603
CAYm2 2022-23				
1	Ashish R. Pawar	Synthesis of Nanoparticles of Aluminium–Boron complex for Radiation Sensor	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v71i1.2
	Ganesh E.	Synthesis of Nanoparticles of		

	Kondhalkar	Aluminium–Boron complex for Radiation Sensor		577
2	Kashinath H. Munde	Review on Performance of Dual Mass Flywheel over Conventional Flywheel	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v71i1.2583
	Vikas K. Mehtre	Review on Performance of Dual Mass Flywheel over Conventional Flywheel		
	Dhanashree S. Ware	Review on Performance of Dual Mass Flywheel over Conventional Flywheel		
	Dattatray P. Kamble	Review on Performance of Dual Mass Flywheel over Conventional Flywheel		
3	Aditya R. Wankhade	Wind Power Generation Using Magnetic Levitation	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v71i1.2585
	Nilesh A. Jadhav	Wind Power Generation Using Magnetic Levitation		
	Chetan E. Kolambe	Wind Power Generation Using Magnetic Levitation		
	Sandeep V. Raut	Wind Power Generation Using Magnetic Levitation		
4	Vikaskumar K. Mehtre	Analysis of Helical Coil Heat Exchanger Using CFD	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v71i1.2579
	Aditya R. Wankhade	Analysis of Helical Coil Heat Exchanger Using CFD		
	Mahesh P. Kumbhare	Analysis of Helical Coil Heat Exchanger Using CFD		
	Ganesh. E. Kondhalkar	Analysis of Helical Coil Heat Exchanger Using CFD		
5	Mahesh P. Kumbhare	Experimental Method to Find the Flux Variation on the Receiver of Central Receiver System	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v71i1.2581
	Ganesh. E. Kondhalkar	Experimental Method to Find the Flux Variation on the Receiver of Central Receiver System		
	Kashinath H. Munde	Experimental Method to Find the Flux Variation on the Receiver of Central Receiver System		

	Vikaskumar K. Mehtre	Experimental Method to Find the Flux Variation on the Receiver of Central Receiver System		
6	Mahesh P. Kumbhare	Review Paper on Solar Still with Bitumen as a Phase Change Material for Water Distillation	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v71i1.2584
	Vikaskumar K. Mehtre	Review Paper on Solar Still with Bitumen as a Phase Change Material for Water Distillation		
	Ganesh. E. Kondhalkar	Review Paper on Solar Still with Bitumen as a Phase Change Material for Water Distillation		
	Dhanashree S. Ware	Review Paper on Solar Still with Bitumen as a Phase Change Material for Water Distillation		
7	Ganesh E. Kondhalkar	Experimental Investigation and Analysis on Composite Brake Lining for Heavy Loading Crane	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v71i1.2580
	Mahesh P. Kumbhare	Experimental Investigation and Analysis on Composite Brake Lining for Heavy Loading Crane		
	Ashish R. Pawar	Experimental Investigation and Analysis on Composite Brake Lining for Heavy Loading Crane		
	Vikaskumar K. Mehtre	Experimental Investigation and Analysis on Composite Brake Lining for Heavy Loading Crane		
8	Kashinath H. Munde	Fatigue Analysis of Epoxy Composite Material Reinforcement on Propeller Shaft	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v71i1.2703
	Ganesh E. Kondhalkar	Fatigue Analysis of Epoxy Composite Material Reinforcement on Propeller Shaft		
	DattatrayP. Kamble	Fatigue Analysis of Epoxy Composite Material Reinforcement on Propeller		

		Shaft		
	Ashish R. Pawar	Fatigue Analysis of Epoxy Composite Material Reinforcement on Propeller Shaft		
	Sampada S. Ahirrao	Fatigue Analysis of Epoxy Composite Material Reinforcement on Propeller Shaft		
9	Kashinath H. Munde	Vibration Analysis of Lathe Machine Tool	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v71i1.2704
	Ganesh E. Kondhalkar	Vibration Analysis of Lathe Machine Tool		
	DattatrayP. Kamble	Vibration Analysis of Lathe Machine Tool		
	Ashish R. Pawar	Vibration Analysis of Lathe Machine Tool		
	Sampada S. Ahirrao	Vibration Analysis of Lathe Machine Tool		
10	Ganesh E. Kondhalkar	Mechanical Analysis Carried out to a Single Basin Solar Still Integrated with Nano -Composite PCM	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v71i1.2705
	Kashinath H. Munde	Mechanical Analysis Carried out to a Single Basin Solar Still Integrated with Nano -Composite PCM		
	Dattatray P. Kamble	Mechanical Analysis Carried out to a Single Basin Solar Still Integrated with Nano -Composite PCM		
	Dhanashree S. Ware	Mechanical Analysis Carried out to a Single Basin Solar Still Integrated with Nano -Composite PCM		
	Mahesh P. Kumbhare	Mechanical Analysis Carried out to a Single Basin Solar Still Integrated with Nano -Composite PCM		
CAYm3 2021-22				
1	Vikaskumar K. Mehtre	Design of Solar Still Using Phase Change Material as Storage Medium	Mathematical Statistician and Engineering	https://doi.org/10.1

		with an Enhancement of Efficiency of Water Purification	Applications (Scopus)	7762/msea.v70i2.2569
	Mahesh P. Kumbhare	Design of Solar Still Using Phase Change Material as Storage Medium with an Enhancement of Efficiency of Water Purification		
	Aditya R. Wankhade	Design of Solar Still Using Phase Change Material as Storage Medium with an Enhancement of Efficiency of Water Purification		
	Ashish R. Pawar	Design of Solar Still Using Phase Change Material as Storage Medium with an Enhancement of Efficiency of Water Purification		
2	Chetan E. Kolambe	Finite Element Examination of Stress-Strain Fields Near Ductile Crack Tip	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v70i2.2571
	Sandeep V. Raut	Finite Element Examination of Stress-Strain Fields Near Ductile Crack Tip		
	Aditya R. Wankhde	Finite Element Examination of Stress-Strain Fields Near Ductile Crack Tip		
	Nilesh A. Jadhav	Finite Element Examination of Stress-Strain Fields Near Ductile Crack Tip		
3	Sandeep V. Raut	Weight Optimization of Drive Shaft Using Various Composite Materials in FEA	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v70i2.2572
	Aditya R. Wankhde	Weight Optimization of Drive Shaft Using Various Composite Materials in FEA		
	Nilesh A. Jadhav	Weight Optimization of Drive Shaft Using Various Composite Materials in FEA		
	Chetan E. Kolambe	Weight Optimization of Drive Shaft Using Various Composite Materials in FEA		
4	Ashish R.	Experimental Investigation of Heat	Mathematical Statistician	https://do

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Paper Publication Details

	Pawar	Transfer in Titanium Alloy Ti-6Al-4V during Turning for Different Machining Conditions	and Engineering Applications (Scopus)	i.org/10.17762/msea.v70i2.2570
	Dattatray P. Kamble	Experimental Investigation of Heat Transfer in Titanium Alloy Ti-6Al-4V during Turning for Different Machining Conditions		
	Dhanashree S. Ware	Experimental Investigation of Heat Transfer in Titanium Alloy Ti-6Al-4V during Turning for Different Machining Conditions		
	Mahesh P. Kumbhare	Experimental Investigation of Heat Transfer in Titanium Alloy Ti-6Al-4V during Turning for Different Machining Conditions		
5	Ashish R. Pawar	Improvement In Productivity and Quality of Bumper Punching Machine	Journal of Analysis & Computation (JAC) (UGC)	0973-2861
	Ganesh E. Kondhalkar	Improvement In Productivity and Quality of Bumper Punching Machine		
6	Ashish R. Pawar	Study Of Effects of Different Profiles of Dental Implant Using FEA	Journal of Analysis & Computation (JAC) (UGC)	0973-2861
7	Ashish R. Pawar	Structural Optimization of Bumper fog Lamp Punching Machine	Journal of Analysis & Computation (JAC) (UGC)	0973-2861
	Ganesh E Kondhalkar	Structural Optimization of Bumper fog Lamp Punching Machine		
8	Ashish R. Pawar	Experimental & Numerical Investigation Of Pretention Effect On Fatigue Life Of Double Lap Bolted Joint Under Dynamic Shear Loading	Journal of Analysis & Computation (JAC) (UGC)	0973-2861
CAYm3 2020-21				
1	Dattatraya P. Kamble	Effect of Layering Sequence of Composite Natural Fibers on Mechanical Characterisation	Springer	https://link.springer.com/chapter/10.

				1007/978-3-030-16962-6_48
2	Kashinath H. Munde	Analysis of Damping of Sandwich Materials by using Free Vibrations	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v70i1.2701
	Ganesh E. Kondhalkar	Analysis of Damping of Sandwich Materials by using Free Vibrations		
	Ashish R. Pawar	Analysis of Damping of Sandwich Materials by using Free Vibrations		
	Dhanashree S. Ware	Analysis of Damping of Sandwich Materials by using Free Vibrations		
	Sampada S. Ahirrao	Analysis of Damping of Sandwich Materials by using Free Vibrations		
3	Ganesh E. Kondhalkar	Analysis of Helical Suspension Spring for Different Material Using Finite Element Method	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v70i1.2700
	Aditya R. Wankhade	Analysis of Helical Suspension Spring for Different Material Using Finite Element Method		
	Ashish R. Pawar	Analysis of Helical Suspension Spring for Different Material Using Finite Element Method		
	Vikaskumar K. Mehtre	Analysis of Helical Suspension Spring for Different Material Using Finite Element Method		
	DattatrayP. Kamble	Analysis of Helical Suspension Spring for Different Material Using Finite Element Method		
4	Ganesh E. Kondhalkar	Evaluation of Effect of Angular Positioning of Legs on the Structural Stability of a Pressure Vessel Using Finite Element Analysis		https://doi.org/10.17762/msea.v70i1.2702
	Kashinath H. Munde	Evaluation of Effect of Angular Positioning of Legs on the Structural		

		Stability of a Pressure Vessel Using Finite Element Analysis	Mathematical Statistician and Engineering Applications (Scopus)	
	Dattatray P. Kamble	Evaluation of Effect of Angular Positioning of Legs on the Structural Stability of a Pressure Vessel Using Finite Element Analysis		
	Aditya R. Wankhade	Evaluation of Effect of Angular Positioning of Legs on the Structural Stability of a Pressure Vessel Using Finite Element Analysis		
	Vikaskumar K. Mehtre	Evaluation of Effect of Angular Positioning of Legs on the Structural Stability of a Pressure Vessel Using Finite Element Analysis		
5	Dattatray P. Kamble	Effect On Mechanical Properties By Layering Pattern Of Natural Fibers	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v69i1.2587
	Ashish R. Pawar	Effect On Mechanical Properties By Layering Pattern Of Natural Fibers		
	Ganesh E. Kondhalkar	Effect On Mechanical Properties By Layering Pattern Of Natural Fibers		
	Kashinath H. Munde	Effect On Mechanical Properties By Layering Pattern Of Natural Fibers		
6	Kashinath H. Munde	Thermal Fatigue FE Analysis Of Brake Disc	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v69i1.2592
	Ganesh E. Kondhalkar	Thermal Fatigue FE Analysis Of Brake Disc		
	Ashish R. Pawar	Thermal Fatigue FE Analysis Of Brake Disc		
	Dattatray P. Kamble	Thermal Fatigue FE Analysis Of Brake Disc		
7	Ganesh E. Kondhalkar	Investigation Of Spherical Roller Bearing And Deep Groove Ball Bearings With Various Defects Using FFT Analyzer And Matlab Simulation	Mathematical Statistician and Engineering Applications (Scopus)	https://doi.org/10.17762/msea.v69i1.2588
	Kashinath H.	Investigation Of Spherical Roller		

	Munde	Bearing And Deep Groove Ball Bearings With Various Defects Using FFT Analyzer And Matlab Simulation		
	Ashish R.Pawar	Investigation Of Spherical Roller Bearing And Deep Groove Ball Bearings With Various Defects Using FFT Analyzer And Matlab Simulation		
	Dattatray P. Kamble	Investigation Of Spherical Roller Bearing And Deep Groove Ball Bearings With Various Defects Using FFT Analyzer And Matlab Simulation		
8	Ashish R. Pawar	Investigation Of Carbon Fiber And E Glass Epoxy Composite Plates With Multi-Bolt Joints Using Tensile Loading	Journal of Analysis and Computation (JAC) (UGC)	0973-2861
9	Ashish R. Pawar	Investigate Optimum Shape Of Crash Box Analysis Experimentally And Numerically On Geometry Aspect	International Journal of Computer Engineering and Applications	2321-3469
10	Ashish R. Pawar	Experimental And Non-Linear Analysis To Investigate Optimum Shape Crash Box	Journal of Interdisciplinary Cycle Research	0022-1945
11	Kashinath H. Munde	Optimization Of Power Lift Gate Spindle & Socket Assembly	Journal of Analysis and Computation (JAC) (UGC)	0973-2861
	Ashish R. Pawar	Optimization Of Power Lift Gate Spindle & Socket Assembly		
12	Ashish R. Pawar	A Review On Tribological Behavior Of Natural Fiber Reinforced Composite	Journal of Analysis and Computation (JAC) UGC	0973-2861
13	Ashish R. Pawar	Prediction Of Effect Of Welding Process Parameter Of MIG Process On Weld Bead Geometry	Journal of Analysis and Computation (JAC) (UGC)	0973-2861
	Ganesh Kondhalkar	Prediction Of Effect Of Welding Process Parameter Of MIG Process On Weld Bead Geometry		
14	Ashish R.	Comparative Analysis Of Kenaf And		

	Pawar	Jute E Glass Epoxy Specimen Along With B Pillar Natural And Synthetic Combination Replica Test Under UTM	Journal of Analysis and Computation (JAC) (UGC)	0973-2861
	Ganesh E Kondhalkar	Comparative Analysis Of Kenaf And Jute E Glass Epoxy Specimen Along With B Pillar Natural And Synthetic Combination Replica Test Under UTM		
15	Ganesh E Kondhalkar	Fatigue Analysis Of Leaf Spring Bracket For Light Duty Vehicles On Topology Optimization Approach Design, Analysis, Optimization & Fatigue	Journal of Analysis and Computation (JAC) (UGC)	0973-2861
	Ashish R. Pawar	Fatigue Analysis Of Leaf Spring Bracket For Light Duty Vehicles On Topology Optimization Approach Design, Analysis, Optimization & Fatigue		