

MKSSS'S Cummins College of Engineering for Women, Pune
Department of Mechanical Engineering

Academic Year of Publications: 2019-20 – Journal

Sr. No.	Author [Faculty Name]	Paper Title	Name of Journal	Month Yr, Volume, Issue No., & Page no.	ISSN No.	Indexing	Citations	SNIP	SJR	Impact Factor	h-index
1	Hanumant Jagtap, Anand Bewoor , Ravinder Kumar, Mohammad Hossein Ahmadi, Giulio Lorenzini	Markov-based performance evaluation and availability optimization of the boiler–furnace system in coal-fired thermal power plant using PSO	Energy Reports	May 2020, 6, 1124–1134	2352-4847	SCI	-	6.15	Q1 0.98	3.595	23
2	Hanumant P. Jagtap, Anand K. Bewoor	"Failure analysis of induced draft fan used in a thermal power plant using coordinated condition monitoring approach: A case study" .	Engineering Failure Analysis	20 February 2020, 111, 104442, 1-18	1350-6307	SCI	-	3.5	Q1 0.85	2.897	67
3	Suyog Subhash Patil, Anand K. Bewoor	Reliability analysis of a steam boiler system by expert judgment method and best-fit failure model method: a new approach	International Journal of Quality and Reliability Management	26 May 2020	0265-671X	SCOPUS	1	1.5	Q2 0.569	-	82
4	H. P. Jagtap, Anand K. Bewoor , R. Kumar	Thermal power plant condenser fault diagnosis using coordinated condition monitoring approach	Instrumentation Mesure Métrologie	30 August 2019, Vol. 18, No. 3, 223-235	1631-4670	SCOPUS	-	0.79	0.15	-	4
5	Abhishek D Patange, AK Bewoor , SP Deshmukh, SS Mulik, SS Pardeshi, R Jegadeeshwaran	Improving Program Outcome Attainments using Project Based Learning approach for: UG Course-Mechatronics	Journal of Engineering Education Transformations	November 2019, 33(1), 1-8	2349-2473	SCOPUS	-	0.134	0.11	-	3
6	Parag Chaware , CM Sewatkar	Flow Transitions for Flow Through a Pipe With a Twisted Tape Insert	Journal of Fluids Engineering	Nov 2019 111110, 141(11), 1-10	0098-2202	SCI			0.82	1.72	98
7	Deepak Joel Johnson, V Arumugaprabu and Yashwant S Munde	Constitutive models to predict the mechanical performance of sansevieria cylindrica reinforced vinyl ester composite	Materials Research Express	July 2019 095310, 6(9), 1-7	2053-1591	SCIE	-	1.369	0.35	1.449	21
8	SA Kedar , K Arul Raj, AK Bewoor	Performance analysis of hybrid solar desalination system using ETC and CPC	SN Applied Sciences	September 2019, 1(9) , 965-970	2523-3971	SCOPUS				-	-
9	Nilesh R. Kolhalkar Dr. V.L.Krishnan	Mechatronics System Design for Weed Management and Soil Condition Monitoring Within the Rows of Vineyards	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	February 2020, Volume 9, Issue 4, 3088-3094	2278-3075	SCOPUS	-			40	-
10	Harish. M. Shinde , A. K. Bewoor	Evaluating petrol engine oil deterioration through oxidation and nitration parameters by low-cost IR sensor	Applied Petrochemical Research	22 June 2020, 10 (2), 83-94	2190-5525	ESCI SCOPUS	-		0.13	1	-
11	Harish M. Shinde , Anand K. Bewoor	Viscosity Assessment for Quantifying Engine Oil Deterioration Using New Cost-effective and Handy Fluid Property Sensor	International Journal of Advanced Science and Technology	June 2020, 29(7) , Pages 8649-8659	2207-6360	SCOPUS	-			3	-

12	Kalusuraman, G., Siva, I., Munde, Y. , Selvan, C. P., Kumar, S. A., & Amico, S. C	Dynamic-mechanical properties as a function of luffa fibre content and adhesion in a polyester composite	Polymer Testing	July 2020, Volume 87, 106538	0142-9418	SCI			0.76	2.94	94
13	Sunil G Dambhare , Sandeep S Kore , Firoz Z Pathan and Mandar Vahadane	Diesel engine performance and emission characteristic enhancement using TOPSIS	International Journal of Advanced Technology and Engineering Exploration (IJATEE)	May 2019 Vol 6(54) 126-132	2394-7454	SCOPUS	-	-	-	-	-

Academic Year of Publications: 2019-20 – Book Chapter

	Faculty Author	Chapter title	Book title	Month Yr	Publisher	ISBN no.	Issue details	Page No.
1	HP Jagtap, AK Bewoor	Markov Probabilistic Approach-Based Availability Simulation Modeling and Performance Evaluation of Coal Supply System of Thermal Power Plant	Reliability, Safety and Hazard Assessment for Risk-Based Technologies, 813-824	Aug 2019	Springer	978-981-13-9008-1		1124-1134
2	H. P. Jagtap, A.K. Bewoor , R. Kumar, M. H. Ahmadi, D. K. Rajak	Reliability analysis using condition monitoring approach in thermal power plants	Reliability Management and Engineering: Challenges and Future Trends	June 2020	CRC Press	978-100-00-6768-2	43997	113-121
3	R. Kumar, Hanumant P. Jagtap, Dipen Kumar Rajak and Anand K. Bewoor	Traditional and non-traditional optimization techniques to enhance reliability in process industries	AI Techniques for Reliability Prediction for Electronic Components	Dec 2019	IGI Global	1.8E+09	43805	67-80
4	Y. S. Munde, R. B. Ingle, A. S. Shinde and I. Siva	Micromechanical modelling and evaluation of PALF composites through Representative Volume Element Method	Pineapple Leaf Fibers: Processing, Properties, and Applications	Feb 2020	Springer	978-981-15-1415-9	43875	249-264

Academic Year of Publications: 2019-20 – Conferences Paper

Sr. No.	Author [Faculty] Name	Paper Title	Name of Conference	Volume, Issue No., (Month/Yr.) & Page no.	ISSN/ISBN No.	Indexing	Citations	SNIP	SJR	Impact Factor	h-index	Conf details
1	Nilesh R. Kolhalkar Dr. V.L.Krishnan	Mechatronics system for diagnosis and treatment of major diseases in grape vineyards based on image processing	Materials Today: Proceedings (23)	4 September 2019 43586, 23, 549-556	2214-7853	SCOPUS	-	1.28	0.304	-	27	
2	Chithirai Pon Selvan, I. Siva, Avinash Shinde , Sandro C. Amico	Tribological investigation on nanographene and curauá filled three-phase polymer composites	Materials Today: Proceedings	February 2020, Volume 28, Part 1, 172-176	2214-7853	SCOPUS	-	1.28	0.3	-	27	International Conference on Advanced Materials and Nanotechnology (AMN-2020) at Jaypee Institute of Information Technology Noida, 20-22 February 2020
3	T. Premkumar, I. Siva, Yashwant Munde S. Rajesh and Sandro C Amico	Basalt Fiber Hybridization Effects on the Thermal Degradation Properties of Curauá Fiber Composites	Materials Today: Proceedings	February 2020, Volume 28, Part 1, 258-260	2214-7853	SCOPUS	-	1.28	0.3	-	27	International Conference on Advanced Materials and Nanotechnology (AMN-2020) at Jaypee Institute of Information Technology Noida, 20-22 February 2020