

3.4.2 - Research Publications in the Journals notified on UGC website during the year

Sr. No.	Title of the Paper	Name of the author(s)	Title of the Journal	Year of Publication	Citation Index	Number of Citations excluding Self Citations	Institutional affiliation as mentioned in the publication	Web Link
1	Purification of tetrahydrofuran from its aqueous azeotrope by extractive distillation: Validation of model and simulation (Chem-1)	Onkar A Deorukhkar, Amit Katariya, Yogesh S Mahajan	Separation Science and Technology	April 2019	SCOPUS/Pub Med/ SCIE	1	Dr. BATU, LONERE, Praj Matrix Inovation centre, pune	https://www.tandfonline.com/doi/abs/10.1080/01495399.2019.1521835
2	Purification of tetrahydrofuran from aqueous azeotropic solution: continuous adsorption operation using molecular sieves (Chem-2)	Pooja P Sanap, Akash V Shetty, Yogesh S Mahajan	Chemical Engineering Communications	May 2020	SCI	1	Dr. BATU, LONERE,	https://www.tandfonline.com/doi/abs/10.1080/00986644.2019.1615471
3	The effect of residual stresses, grain size, grain orientation, and hardness on the surface quality of Co-Cr L60S alloy in Photochemical Machining (Mech-1)	Thorat Shrikant, and Mudigonda Sadaiah	Journal of Alloys and Compounds	October 2019	SCOPUS	10	Dr. BATU, LONERE	https://www.sciencedirect.com/science/article/pii/S0254338119324537
4	Experimental Investigation on Laser Directed Energy Deposition of Functionally Graded Layers of Ni-Cr-B-Si and SS316L (Mech-2)	S M Banait, Jinoop A N, H Kumar, Raju Pawade, Kushvindre Bindra, C P Paul	Journal of Optics and Laser Technology	January 2020	SCIE/ Web of Science/ SCOPUS	26	Dr. BATU, LONERE	https://www.sciencedirect.com/science/article/pii/S0030399219304414
5	Analysis and modeling of surface characteristics in electrophoretic deposition-assisted internal polishing of AISI 304 steel (Mech-3)	Nikhil V Khatekar, Raju S Pawade	The International Journal of Advanced Manufacturing Technology	October 2019	SCIE/SCOPUS /SCImago	2	Dr. BATU, LONERE	https://link.springer.com/article/10.1007/s00170-019-04181-4
6	Machinability Assessment in High Speed Turning of High Strength Temperature Resistant Superalloys (World Scientific) (Mech-4)	Raju Pawade, Avinash Khadiare, Dhanashree Dhumal and Vishal Wankhede	Journal of Advanced Manufacturing Systems	December 2019	SCOPUS	0	Dr. BATU, LONERE	https://www.worldscientific.com/doi/10.1142/S02198861195032X
7	Flow behavior of spiral capillary tube for CO2 transcritical cycle (Mech-5)	Jadhav P, Agrawal N	Journal of Thermal Analysis and Calorimetry	September 2019	SCOPUS	3	Dr. BATU, LONERE	https://link.springer.com/article/10.1007/s10973-019-09536-8
8	Comparative study on a straight and helical capillary tube for CO2 and R22 refrigerant (Mech-6)	Jadhav P, Agrawal N	Journal of Thermal Science and Engineering Applications	June 2020	web of science	1	Dr. BATU, LONERE	https://asmedigitalcollection.asme.org/thermalscienceapplication/article-abstract/13/2/024502/1085356?context=13/2/024502/1085356/Contextual-Header?redirectedFrom=fulltext
9	The Performance and Emissions Investigations of Compression Ignition (CI) Engine Using Algal Biomass as an Antioxidant Additive in Coconut and Karanja Methyl Esters (Mech-7)	Katam, G. B. Alur, V. B. Kotla, M. M. and Warkhade G. S	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	December 2019	SCI	3	Dr. BATU, LONERE	https://link.springer.com/article/10.1007/s40010-019-00823-8
10	Evaluation and multi-objective optimization of nose wear, surface roughness and cutting forces using grey relation analysis (GRA) (Mech-8)	Gaurav Sonawane and Vikas Sargade	Journal of the Brazilian Society of Mechanical Sciences and Engineering	November 2019	SCIE/SCImago /SCOPUS	4	Dr. BATU, LONERE	https://link.springer.com/article/10.1007/s40430-019-2057-4
11	Machinability Study of Duplex Stainless Steel 2205 During Dry Turning (Mech-9)	Gaurav Sonawane and Vikas Sargade	International Journal of Precision Engineering and Manufacturing	May 2020	SCIE/SCOPUS /SCImago	7	Dr. BATU, LONERE	https://link.springer.com/article/10.1007/s12541-019-00305-8
12	Influence of dual compatibilizer and carbon black on mechanical and thermal properties of PP/ABS blends and their composites (Mech-10)	Ganesh Lohar, Pankaj Tambe, B. F. Jogi	Composite Interfaces	February 2020	PubSCIENCE/ SCIE	7	Dr. BATU, LONERE	https://www.tandfonline.com/doi/abs/10.1080/08217648.2020.1726137
13	Micro-drilling of straight and inclined holes on thermal barrier coated Inconel 718 for turbine blade cooling (Mech-11)	Avinash Khadiare, R S Pawade, A Varghese, S. S. Joshi	Materials and Manufacturing Processes	May 2020	PubSCIENCE/ SCIE	2	Dr. BATU, LONERE	https://www.tandfonline.com/doi/abs/10.1080/10426884.2020.1750283
	Dynamic Stress-Strain Compressive Response of Soft Tissue using Polymeric Split Hopkinson Pressure Bar (Mech-12)	S Kadhane, H Warhatkar	International Journal of Innovative Technology and Exploring Engineering	July 2019	SCOPUS	0	Dr. BATU, LONERE	https://www.ijitee.org/wa-50-ment/uploads/papers/v8i6i6/E3247038519.pdf



15	Estimation of mass apparent density and Young's modulus of femoral neck-head region (Mech-14)	Rahul A Gujar, Hemant N Warhatkar	Journal of Medical Engineering & Technology	October 2020	SCIE/SCOPUS	1	Dr. BATU, LONERE	https://www.tandfonline.com/doi/abs/10.1080/10920309190220201799093
16	Surface Integrity of AISI 52100 Steel during Hard Turning in Different Near-Dry Environments (Mech-15)	Chavan, Ajay; Sargade, Vikas	Advances in Materials Science and Engineering	August 2020	SCOPUS	3	Dr. BATU, LONERE	https://www.hindawi.com/journal/amsse/2020/04/256308/
17	Evaluation of Surface Roughness and Tool Wear in Hardened AISI 52100 Steel Turning Under VT and MQL Machining Environment (Mech-16)	Chavan, Ajay; Sargade, Vikas	International Journal of Mechanical and Production Engineering Research and Development	April 2020	SCOPUS	0	Dr. BATU, LONERE	https://issuu.com/jiprc/ocps/2-57-1587621735-6iinner/Jan2020s
18	Influence of geometric and operating parameters on the flow behavior of the helical capillary tube (Mech-17)	PL Jadhav, NA Agrawal	Journal of Physics: Conference Series	July 2020	SCOPUS	0	Dr. BATU, LONERE	https://iopscience.iop.org/article/10.1088/1742-6596/1451/1/012004/meta
19	Performance analysis of hyperparameter optimization methods for ensemble learning with small and medium sized medical datasets (IT-1)	Vinod Kadam Shivajirao Jadhav	Journal of Discrete Mathematical Sciences and Cryptography	April 2020	SCOPUS	9	Dr. BATU, LONERE	https://www.tandfonline.com/doi/abs/10.1080/10920309190220201799093
20	Breast Cancer Diagnosis Using Feature Ensemble Learning Based on Stacked Sparse Autoencoders and Softmax Regression (IT-2)	Vinod Kadam Shivajirao Jadhav	Journal of Medical Systems	July 2019	SCOPUS	35	Dr. BATU, LONERE	https://link.springer.com/article/10.1007/s10916-019-1397-z
21	Optimal weighted feature vector and deep belief network for medical data classification (IT-3)	Vinod Kadam Shivajirao Jadhav	International Journal of Wavelets, Multiresolution and Information Processing	December 2019	SCOPUS/SCIE	1	Dr. BATU, LONERE	https://www.worldscientific.com/doi/10.1142/S021969132050006X
22	Deep neural network based speech enhancement using mono channel mask (Extc-1)	Pallavi P. Ingale, Sanjay L. Nalbalwar	International Journal of Speech Technology	August 2019	SCOPUS/SCImago	1	Dr. BATU, LONERE	https://link.springer.com/article/10.1007/s10772-019-09627-4
23	Design of beam steering-switching array for 5G S-band adaptive antenna applications-part-I and part-II (Extc-2)	Vidya P Kodgirwar, Shankar B Deosarkar, Kalyani R Joshi	IETE Journal of Research	March 2020	SCIE/SCOPUS/SCImago	1	Dr. BATU, LONERE, PES's Modern College of Engineering, SP Pune University, Pune,	https://www.tandfonline.com/doi/abs/10.1080/03772013.2020.1732843
24	Performance analysis of a 10 Gbps-60 GHz high speed RoF transmission system (Extc-3)	Deepak Jain, Brijesh Iyer	International Journal of Autonomic Computing	April 2020	CNPIEC/DBL P/J-Gate	2	Dr. BATU, LONERE	https://www.inderscience.com/onlinearticle.php?article=113374
25	Rapid screening of alcoholism: an EEG based optimal channel selection approach (Extc-4)	Sandeep Bavkar, Brijesh Iyer, Shankar Deosarkar	IEEE	July 2020	SSCOPUS	4	Dr. BATU, LONERE	https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8756128
26	Petrogenesis of the diamondiferous Pipe-8 ultramafic intrusion from the Wajrakarur kimberlite field of Southern India and relation to the worldwide Mesoproterozoic (~1.1 Ga) magmatism of kimberlite and related rocks (Civil-1)	Ashish Dongre, K.S. Viljoen, G. Belynin, Petrus Le Roux, M. S. Malandkar,	Geoscience Frontiers	May 2020	Web of Science/SCOPUS	9	Dr. BATU, LONERE	https://www.sciencedirect.com/science/article/pii/S1674364719301638
27	Degradation of recalcitrant phenol pollutant and antibacterial study by Ni, Sr doped ZnO (Chemistry -1)	Sneha Salvi, P. B. Lokhande, H. A. Mujawar	Inorganic and Nanomaterial Chemistry (Taylor and Francis)	September 2019	Web of Science/ SCIE/ SCOPUS	3	Dr. BATU, LONERE	https://www.tandfonline.com/doi/abs/10.1080/24701556.2019.1682806
28	Synthesis and Characterization of La substituted M type Ca Hexaferrite (Physics -1)	V.S. Shinde, S.G. Dahotre, L.N. Singh	i-Manager's Journal of Materials Science	September 2019	SCOPUS	0	Dr. BATU, LONERE	https://www.sciencedirect.com/science/article/pii/S2405044020300541

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