



3.4.3 Details of research papers per teacher in CARE Journals notified on UGC website during the year

Summary of Academic Year: 2020-21

Sr. No.	Name of Author's	Title of Paper	Name of Publisher	Year
1	Manthal Patil, Rajesh Gawade, Shubham Potdar, KhushabuNadaf, Sanoj P. Suresh, Sahoo Devabrata	Effect of Vortex Generator on the Flow Field over a Conventional Delta Wing in Subsonic Flow Condition at Higher Angles of Attack,,	FME Transactions	Jan-2021
2	TembhurnikarPayal V., Jadhav Akash T., Sahoo Devabrata	Effect of intermediate aerodisk mounted sharp tip spike on the drag reduction over a hemispherical body at Mach 2.0	FME Transactions	Jun-2020
3	SanchayataNayal, Sampada Lamb, Devabrata Sahoo, N. V. Raghavendra, S.A.I. Bellary	Computational analysis of novel cavity-based flameholder designs for supersonic combustion engines	IOP Conference Series: Materials Science and Engineering	Jun-2020
4	P.G. Chandak	Design charts for black cotton subgrade soil in Karad taluka: a case study	<i>Innov. Infrastruct. Solut. 6, 3 (2021)</i>	Oct-20
5	A. P. Patil	Application of gradient tree boosting regressor for the prediction of scour depth around bridge piers	<i>Journal of Hydroinformatics</i>	Jul-21
6	S. S. Mohite	Experimental and FEA analysis of high-performance concrete column under biaxial loading	Elsevier: Materials Today : Proceedings, 2020,	Nov-20
7	P. B. Bhagawati	Pollutants removals and energy consumption in electrochemical cell for pulping processes wastewater treatment: Artificial neural network, response surface methodology and kinetic studies	Elsevier Journal of Environmental Management, Volume 281, 1 March 2021	Mar-21
8	P. A. Pisal	Estimation Of The Morphometric Parameters Of Kabnur Odha Basin, Hatkanagale Taluka, Kolhapur District, Maharashtra, India	PENSEE, Vol. 50(12), 2020	Dec-20
9	S. B. Hivarekar	Estimation Of The Morphometric Parameters Of Kabnur Odha Basin, Hatkanagale Taluka, Kolhapur District, Maharashtra, India	PENSEE, Vol. 50(12), 2020	Dec-20
10	R. A. Patil	Estimation Of The Morphometric Parameters Of Kabnur Odha Basin, Hatkanagale Taluka,	PENSEE, Vol. 50(12), 2020	Dec-20



		Kolhapur District, Maharashtra, India		
11	S. S. Pujari	Estimation Of The Morphometric Parameters Of Kabnur Odha Basin, Hatkanagale Taluka, Kolhapur District, Maharashtra, India	PENSEE, Vol. 50(12), 2020	Dec-20
12	P. A. Pisal	Impact Of Leachate On Ground Water And Soil Quality Near Kasabe Digraj Dumping Site, Sangli, Maharashtra, India	LINO, ISSN NO: 0211-2574, Vol. 11(01), 2021	Dec-20
13	S. B. Hivarekar	Impact Of Leachate On Ground Water And Soil Quality Near Kasabe Digraj Dumping Site, Sangli, Maharashtra, India	LINO, ISSN NO: 0211-2574, Vol. 11(01), 2021	Dec-20
14	R. A. Patil	Impact Of Leachate On Ground Water And Soil Quality Near Kasabe Digraj Dumping Site, Sangli, Maharashtra, India	LINO, ISSN NO: 0211-2574, Vol. 11(01), 2021	Dec-20
15	S. S. Pujari	Impact Of Leachate On Ground Water And Soil Quality Near Kasabe Digraj Dumping Site, Sangli, Maharashtra, India	LINO, ISSN NO: 0211-2574, Vol. 11(01), 2021	Dec-20
16	V. M. Patil	Impact Of Leachate On Ground Water And Soil Quality Near Kasabe Digraj Dumping Site, Sangli, Maharashtra, India	LINO, ISSN NO: 0211-2574, Vol. 11(01), 2021	Dec-20
17	S. S. Patil	Comparative Study on the Behavior of RCC, Steel and Composite Structures for Different Story Heights	PENSEE, Vol. 50(12), 2020	Dec-20
18	P. A. Mali	Comparative Study on the Behavior of RCC, Steel and Composite Structures for Different Story Heights	PENSEE, Vol. 50(12), 2020	Dec-20
19	K. K. Shinde	Improving Properties Of Concrete By High-Volume Industrial Waste Fly Ash Using Steel Fibers	PENSEE, Vol. 50(12), 2020	Dec-20
20	A. P. Patil	Improving Properties Of Concrete By High-Volume Industrial Waste Fly Ash Using Steel Fibers	PENSEE, Vol. 50(12), 2020	Dec-20
21	M. M. Bhanuse	Improving Properties Of Concrete By High-Volume Industrial Waste Fly Ash Using Steel Fibers	PENSEE, Vol. 50(12), 2020	Dec-20
22	P. B. Bhagawati	Electrochemical technique for paper mill effluent degradation using concentric aluminum tube electrodes (CATE)	Journal of Environmental Health Science and Engineering, Springer, March 2021	Mar-21
23	Bhagawati P.B.	Dry Spell and Wet Spell Characterisation of Nandani River	Climate Change Impacts on Water Resources. Water Science and	Mar-21



		Basin, Western Maharashtra, India.	Technology Library, vol 98. Springer, Cham.	
24	P. B. Bhagawati	Studies on Electrochemical Treatment of Paper mill Effluent	International Journal of Science, Technology, Engineering and Management - A VTU Publication, 2(3), Oct. 2020, pp. 24-32	Oct-20
25	Manoj Dhondiram Patil, K. Vadirajacharya, Swapnil W. Khubalkar	Design and Tuning of Digital Fractional-Order PID Controller for Permanent Magnet DC Motor	Taylor & Francis Publications; IETE Journal of Research	2021
26	Mohan P. Thakre, Payal S. Borse, Manoj D. Patil, Yogesh V. Mahadik	Measurement and Compensation of Voltage Sag Employing open-loop Single-Phase Dynamic Voltage Restorer	International Journal on MAPAN-Journal of Metrology Society of India (JMSI)	2021
27	Rakesh G. Shrivastava, Mohan P. Thakre, Manoj D. Patil, Digamber R. Bhise	Performance Analysis of CB-SVM Three-Phase Five-Level DCMLI Fed PMSM Drive	Turkish Journal of Computer and Mathematics Education (TURCOMAT),	2021
28	Mr. Swapnil D. Patil	Performance Enhancement of Modified SVC as a Thyristor Binary Switched Capacitor and Reactor Banks by using Different Adaptive Controllers	Journal of King Saud University - Engineering Sciences,	2021
29	S. D. Patil, Renuka A Kachare	Performance up gradation of static VAR compensator with thyristor binary switched capacitor and reactor using model reference adaptive controller	Journal of Control, Measurement, Electronics, Computing and Communications, Automatika,	2021
30	Dr Gopinath S	A PCA-NPOGBDT Strategy based Protection scheme to differentiate between inverter and distribution line faults plus detection and identification of fault section in microgrid	International journal of Intelligent systems	2021
31	Dr Gopinath S	Hybrid Active power filter design to reduce power quality issues in power system	Linguistica Antverpiensia	2021
32	Mr. N. M. Jamadar	A review on braking control and optimization techniques for electric vehicle	Journal of Automobile Engineering, SAGE, 2021	2021
33	Dr. Gopinath.S	Test scheduling and test time reduction for SoC by using enhanced firefly algorithm	Revue d'Intelligence Artificielle	2021



34	Dr. Gopinath S	Novel LMS-Network based DSTATCOM for improving Power Quality	Annals of RSCB	2021
35	Dr. Gopinath S	Block chain (Binary Relevance Method)	Annals of RSCB	2021
36	Manoj D Patil	PSO-ANFIS Controlled Multi Level Inverter for integration of Renewable Energy Sources with Smart Grid	International Journal of Grid and Distributed Computing (IJGDC)	2020
37	Gopinath Singaram	PSO-ANFIS Controlled Multi Level Inverter for integration of Renewable Energy Sources with Smart Grid	International Journal of Grid and Distributed Computing (IJGDC)	2020
38	Rajendra B Madake	PSO-ANFIS Controlled Multi Level Inverter for integration of Renewable Energy Sources with Smart Grid	International Journal of Grid and Distributed Computing (IJGDC)	2020
39	Mr. S.D.Pawar	," A Comparative Study and Analysis of Deregulation of Indian Power sector	International Journal of Advanced Science and Technology	2020
40	Mr. S.D.Pawar	Different Models Formulated for Deregulation in Power System to Improve Its Quality	TEST Engineering and Management	2020
41	Mr. S.D.Pawar	Methods and performance of congestion management system	TEST Engineering and Management	2020
42	Mr. R. B. Madake	Role of Congestion Management in Power System by IMLANNs Model	International Journal of Advanced Science and Technology	2020
43	Mr. R. B. Madake	Congestion Management with DR and FACTS Devices in Market Environment	International Journal of Advanced Science and Technology	2020
44	SANDEEP B. MUNDHE , SUYOGKUMAR V. TARALKAR , PRAKASH G. JADHAV, SANJAY B. DETHE	Review on Ionic Liquids: Green Solvent for Extraction of Herbal Active Ingredients from Medicinal and Aromatic Plants	International Journal of Pharmaceutical Research	Jan - Mar 2021
45	Mr. A. S. Dange	System to Crawl web and Forum for Medical Data	International Journal of Recent Technology and Engineering (IJRTE) Volume-8 Issue-5,,Paper ID D9938118419	Jan-20
46	Mr.S.G.Sutar	Resource utilization enhancement through live virtual machine migration	International Journal Speech Technology(9682)	11-Feb-20
47	T. P. Ruprah	DEEP LEARNING TECHNIQUES FOR CONTEXTUAL SCENE INTERPRETATION	Wesleyan Journal of Research An International Research Journal, Vol No. 14, No1:2021, ISSN : 0975-1386, UGC Care Approved,	2021



			Peer Reviewed and Referred Journal	
48	Dr. N.D. Sangle	On a Class of Univalent Functions with Negative Coefficients defined by General Linear Operator	International Advanced Research Journal in Science, Engineering and Technology	2020
49	A. N. Metkari	A Special Class of Harmonic Univalent Functions Defined by Using A New Differential Operator	Research Journey International E-Research Journal Special	2020
50	A. N. Metkari	A New Class of Univalent Harmonic Meromorphic Functions Defined by Multiplier Transformation	International Journal of Future Generation Communication and Networking	2020
51	A. N. Metkari	Certain Subclass of Univalent Functions Involving Modified Sigmoid Function Defined by Using Al-Oboudi Operator	GANITA, Vol.71(1), 2021, PP-45-53	2021
52	V. S. Ganachari	Simulation and Experimental investigation of tool wear rate in dry and near-dry edm process	World journal of engineering	Jul-20
53	L.Y.Waghmode	Simulation and Experimental investigation of tool wear rate in dry and near-dry edm process	World journal of engineering	Jul-20
54	S.A.Mullya	Simulation and Experimental investigation of tool wear rate in dry and near-dry edm process	World journal of engineering	Jul-20
55	S.P.Chavan	A review paper on Vehicle mounted wind turbine	Journal of Seybold Report	Sep-20
56	M M Jadhav	Design and Analysis of Lower Body Exoskeleton	International Journal of Creative Research Thoughts	Oct-20
57	P.B.Pawar	Pool Boiling Heat Transfer Augmentation in a Novel Aqueous Binary Mixture of Surfactants	Journal of Heat Transfer, American Society of Mechanical Engineering.	Dec-20
58	S.P.Chavan	Modal analysis with CFD and experimental validation of horizontal axis wind turbine through FFT	Journal of information and computational science	Dec-20
59	S.A.Mullya	Electric discharge milling: a state-of-the-art review	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Jul-13
60	V. S. Ganachari,	Electric discharge milling: a state-of-the-art review	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Jul-13
61	V. S. Ganachari	Simulation and Experimental investigation of tool ear rate in dry and near-dry edm process	World journal of engineering	Jul-20



62	L.Y.Waghmode	Simulation and Experimental investigation of tool ear rate in dry and near-dry edm process	World journal of engineering	Jul-20
63	S.A.Moolya	Simulation and Experimental investigation of tool ear rate in dry and near-dry edm process	World journal of engineering	Jul-20
64	Pawar, P., Najim, A., Acharya, A., and Pise, A	Pool Boiling Heat Transfer Augmentation in a Novel Aqueous Binary Mixture of Surfactants	Journal of Heat Transfer, American Society of Mechanical Engineering.	2020
65	Mr. S. M. Patil	Roller Element Bearing Fault Size Estimation Using Adaptive Neurofuzzy Inference System	ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering	Mar-21
66	Basavaraj S. Sannakashappanavar	Low Resistance Ohmic Contact on ZnO Thin Film Revealed by Schottky Barrier Height	Silicon	Jan 2021
67	Sandeep Bidwai	A Comparative Study of Markov Chain and Deep Learning Predictive Models in Spectrum Sensing	Journal of System and Management Sciences	Nov. 2021
68	Saylee Bidwai	A Comparative Study of Markov Chain and Deep Learning Predictive Models in Spectrum Sensing	Journal of System and Management Sciences	Nov. 2021
69	Dr. Sunita Shinde	Framework Design and Simulation of VANET Vehicle Positioning using Two Stage Sigma Point Kalman Filter (TSSPKF)	International Journal of Grid and Distributed Computing	Jul 2021

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