

**3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years**

Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enisment of the Journal				
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
1	Observer based extended generic model control of a reactive batch	S banerjee, A K Jana	Chemical Engg.	Jornal of chemical Engg Science	2018		<a href="#">Chemical Engineering Science   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.ces.2018.01.020">https://doi.org/10.1016/j.ces.2018.01.020</a>		Scopus	Web of Science
2	Comparison of adsorption capacity of mono-ethanolamine and diethanolamine Impregnated	Dr. Dipa Das	Chemical Engg.	Fuel	2018	ISSN: 0016-2361	<a href="#">Fuel   Journal   ScienceDirect.com by Else</a>	<a href="https://doi.org/10.1016/j.fuel.2018.03.090">https://doi.org/10.1016/j.fuel.2018.03.090</a>		Scopus	
3	Dry Sliding Wear Behaviour of Al-Si-TiB2 In-Situ Composites	Sandeep K. Sahoo, Jogendra Majhi, Jayanta	Chemical Engg.	International Journal of Advanced Mechanical	2018	ISSN 2250-3234 Volume		NA			
4	Electrical Behaviour and Spherulites Morphology of HDPE/PP Polyblends	Mr. Rabiranjana Murmu	Chemical Engg.	Material Sciences and Applications	2018	2153-1188	<a href="#">Materials Sciences and Applications - SCIRP</a>	10.4236/msa.2018.910060			Web of Science
5	Electrical Behaviour and Spherulites Morphology of HDPE/PP Polyblends	Dr. Harekrushna Sutar	Chemical Engg.	Material Sciences and Applications	2018	2153-1188	<a href="#">Materials Sciences and Applications - SCIRP</a>	10.4236/msa.2018.910060			Web of Science
6	Industrial wastewater treatment by Aerobic Inverse Fluidized Bed	Mr. Anup Kumar Swain	Chemical Engg.	Journal of Water Process Engineering	2018	22147144	<a href="#">Journal of Water Process Engineering   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.jwpe.2018.02.017">https://doi.org/10.1016/j.jwpe.2018.02.017</a>			Web of Science
7	Mechanical, Thermal and Crystallization Properties of	Mr. Rabiranjana Murmu	Chemical Engg.	Material Sciences and Applications	2018			NA	10.4236/msa.2018.95035		
8	Mechanical, Thermal and Crystallization Properties of	Dr. Harekrushna Sutar	Chemical Engg.	Material Sciences and Applications	2018			NA	10.4236/msa.2018.95035		
9	Neuro estimator based inferential extended gmc control law for a	Dr. Sudip Banerjee	Chemical Engg.	Chemical Engineering Research and Design	2018	ISSN: 0263-8762	<a href="#">Chemical Engineering Research and Design   Journal   ScienceDirect.com by Elsevier</a>	10.1016/j.cherd.2017.12.041		Scopus	Web of Science
10	Observer-based extended generic model control of ethyl acetate	Dr. Sudip Banerjee	Chemical Engg.	Chemical Engineering Science	2018	ISSN : 0009-2509	<a href="#">Chemical Engineering Science   Journal   ScienceDirect.com by Elsevier</a>	10.1016/j.ces.2018.01.020		Scopus	Web of Science
11	Oil-in-Water Emulsion Spray: A Novel Methodology for the	Mr. Kashinath Barik	Chemical Engg.	International Communications in Heat and Mass Transfer   Journal	2018		<a href="#">International Communications in Heat and Mass Transfer   Journal  </a>	10.1016/j.icheatmasstransfer.2018.08.006		Scopus	Web of Science
12	Removal of CO2 in a multi stage fluidized bed reactor by	Dr. Dipa Das	Chemical Engg.	Mineral Processing and Extractive Metallurgy	2018	ISSN: 2572-6641	<a href="#">Mineral Processing and Extractive Metallurgy</a>	<a href="https://doi.org/10.1080/25726641.2019.1591791">https://doi.org/10.1080/25726641.2019.1591791</a>		Scopus	
13	Sensitivity of process parameters in atmospheric plasma spraying	Mr. Kashinath Barik	Chemical Engg.	Journal of Thermal Spray and Engineering	2018	2582-1474	<a href="#">Journal of Thermal Spray and Engineering: INScienceN</a>	10.jtse/2582-1474/1-1.1		Scopus	
14	Solid particle erosion wear on plasma sprayed mild steel and	Mr. Kashinath Barik	Chemical Engg.	Materials Today: Proceedings   Journal	2018	2395-0056	<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2018.06.415">https://doi.org/10.1016/j.matpr.2018.06.415</a>		Scopus	Web of Science
15	Steady State Analysis of Water Transport through Sulfonated	Mr. Rabiranjana Murmu	Chemical Engg.	Journal of polymer materials	2018	0976-3449	<a href="#">Journal of Polymer Materials is published quarterly (4 issues per year).</a>	10.32381/JPM.2018.35.01.8	UGC care		
16	Steady State Analysis of Water Transport through Sulfonated	Dr. Harekrushna Sutar	Chemical Engg.	Journal of polymer materials	2018	0976-3449	<a href="#">Journal of Polymer Materials is published quarterly (4 issues per year).</a>	10.32381/JPM.2018.35.01.8	UGC care		
17	Thermal and dry sliding wear behavior of plasma sprayed Red	Mr. Rabiranjana Murmu	Chemical Engg.	Tribology in Industry	2018	2217-7965	<a href="#">Tribology in Industry</a>	10.24874/ti.2018.40.01.11		Scopus	
18	Thermal and dry sliding wear behavior of plasma sprayed Red	Dr. Harekrushna Sutar	Chemical Engg.	Tribology in Industry	2018	2217-7965	<a href="#">Tribology in Industry</a>	10.24874/ti.2018.40.01.11		Scopus	
19	Dry Sliding Wear Behaviour of Al-Si-TiB2 In-Situ Composites	Sandeep K. Sahoo, Jogendra Majhi, Jayanta	Chemical Engg.	International Journal of Advanced Mechanical	2018	ISSN 2250-3234 Volume	<a href="#">IJAME, International Journal of Advanced Mechanical Engineering.</a>	<a href="#">ijamev8n1spl_04.pdf (ripublication.com)</a>		Scopus	
20	Application of Chlorophyll as Sensitizer for ZnS Photoanode in a	Binod Bihari Panda, P. K. Mahapatra, M.K.	Chemistry	Journal of Electronic Materials	2018	0361-5235	<a href="#">Home   Journal of Electronic Materials   Springer</a>	<a href="https://doi.org/10.1007/s11664-018-6215-1">https://doi.org/10.1007/s11664-018-6215-1</a>		Scopus	
21	Controlled Assembly of a Ternary-Component Photocatalyst:	Thuniki Naveen Reddy, Songhita Meher, Gousia	Chemistry	Chemistry Select	2018	2365-6549	<a href="#">ChemistrySelect - Chemistry Europe - Wiley</a>	<a href="https://doi.org/10.1002/slct.201900722">https://doi.org/10.1002/slct.201900722</a>		Scopus	
22	A study of water quality of river Brahmani, Odisha (India) to assess	T K Nath, B Tripathy, A Das	CIVIL	International journal of engineering research &	2018	2278-0181	<a href="https://www.ijert.org/">https://www.ijert.org/</a>	<a href="https://www.ijert.org/research/a-study-of-water-quality-of-river-brahmani-">https://www.ijert.org/research/a-study-of-water-quality-of-river-brahmani-</a>		Scopus	
23	A study of water quality of river Brahmani, Odisha (India) to assess	T K Nath, B Tripathy, A Das	CIVIL	International journal of engineering research &	2018	2278-0181	<a href="https://www.ijert.org/">https://www.ijert.org/</a>	<a href="https://www.ijert.org/research/a-study-of-water-quality-of-river-brahmani-">https://www.ijert.org/research/a-study-of-water-quality-of-river-brahmani-</a>		Scopus	
24	A study of water quality of river Brahmani, Odisha (India) to assess	T K Nath, B Tripathy, A Das	CIVIL	International journal of engineering research &	2018	2278-0181	<a href="https://www.ijert.org/">https://www.ijert.org/</a>	<a href="https://www.ijert.org/research/a-study-of-water-quality-of-river-brahmani-">https://www.ijert.org/research/a-study-of-water-quality-of-river-brahmani-</a>		Scopus	
25	An application of data mining techniques for flood forecasting:	Binay Kumar Panigrahi, Soumya Das, Tushar	CIVIL	Journal of The Institution of Engineers (India): Series B	2018	2250-2114	<a href="https://www.springer.com">https://www.springer.com</a>	<a href="https://doi.org/10.1007/s40031-018-0333-9">https://doi.org/10.1007/s40031-018-0333-9</a>		Scopus	Web of science
26	An application of local linear radial basis function neural network for	Binaya Kumar Panigrahi, Tushar	CIVIL	Journal of Management Analytics	2018		<a href="https://www.tandfonline.com/">https://www.tandfonline.com/</a>	<a href="https://doi.org/10.1080/23270012.2019.1566033">https://doi.org/10.1080/23270012.2019.1566033</a>		Scopus	
27	An economic rural electrification study using combined hybrid solar	Bibhu Prasad Ganthia, Sushree Sasmita,	CIVIL	Materials Today: Proceedings	2018		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2017.11.075">https://doi.org/10.1016/j.matpr.2017.11.075</a>		Scopus	Web of Science
28	Assessment of class of water in river Brahmani, Odisha: A case study	C K Mukherjee, B Tripathy, P K Pani, A	CIVIL	International journal of engineering & science	2018	2277-2685		NA			
29	Assessment of class of water in river Brahmani, Odisha: A case study	C K Mukherjee, B Tripathy, P K Pani, A	CIVIL	International journal of engineering & science	2018	2277-2685		NA			

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
30	Assessment of class of water in river Brahmani, Odisha: A case study	C K Mukherjee, B Tripathy, P K Pani, A	CIVIL	International journal of engineering & science	2018	2277-2685		NA			
31	Assessment of class of water in river Brahmani, Odisha: A case study	C K Mukherjee, B Tripathy, P K Pani, A	CIVIL	International journal of engineering & science	2018	2277-2685		NA			
32	Assessment of water quality of Baitarani river	T K Nath, B Tripathy, A Das	CIVIL	International journal of engineering research &	2018	2278-0181	<a href="https://www.ijert.org/">https://www.ijert.org/</a>	<a href="https://www.ijert.org/research/assessment-of-water-ijertv7i5o7n006.pdf">https://www.ijert.org/research/assessment-of-water-ijertv7i5o7n006.pdf</a>			
33	Climatic change on different districts of Odisha	T K Nath, B Tripathy, A Das	CIVIL	International journal of engineering research &	2018	2278-0181	<a href="https://www.ijert.org/">https://www.ijert.org/</a>	<a href="https://www.ijert.org/research/climatic-change-on-different-districts-of-odisha-https://www.ijert.org/research/climatic-change-on-different-districts-of-odisha-ijertv7i5o7n006.pdf">https://www.ijert.org/research/climatic-change-on-different-districts-of-odisha-https://www.ijert.org/research/climatic-change-on-different-districts-of-odisha-ijertv7i5o7n006.pdf</a>		Scopus	
34	Climatic change on different districts of Odisha	T K Nath, B Tripathy, A Das	CIVIL	International journal of engineering research &	2018	2278-0181	<a href="https://www.ijert.org/">https://www.ijert.org/</a>	<a href="https://www.ijert.org/research/climatic-change-on-different-districts-of-odisha-ijertv7i5o7n006.pdf">https://www.ijert.org/research/climatic-change-on-different-districts-of-odisha-ijertv7i5o7n006.pdf</a>		Scopus	
35	Climatic change on different districts of Odisha	T K Nath, B Tripathy, A Das	CIVIL	International journal of engineering research & Technology	2018	2278-0181	<a href="https://www.ijert.org/">https://www.ijert.org/</a>	<a href="https://www.ijert.org/research/climatic-change-on-different-districts-of-odisha-ijertv7i5o7n006.pdf">https://www.ijert.org/research/climatic-change-on-different-districts-of-odisha-ijertv7i5o7n006.pdf</a>		Scopus	
36	Development of a mix design methodology for concrete paving	A K Pani, B C Panda	CIVIL	IJETSR Journal of Engineering	2018	2394-3386	<a href="https://www.iosrjen.org/">https://www.iosrjen.org/</a>	<a href="https://iosrjen.org/Papers/vol8_issue4/Version-">https://iosrjen.org/Papers/vol8_issue4/Version-</a>	UGC Care		
37	Development of a mix design methodology for concrete paving	AK Pani, BC Panda, AK Pattnaik, AK Padi	CIVIL	IOSR Journal of Engineering	2018	2250-3021	<a href="https://www.iosrjen.org/">https://www.iosrjen.org/</a>	<a href="https://iosrjen.org/Papers/vol8_issue4/Version-">https://iosrjen.org/Papers/vol8_issue4/Version-</a>	UGC Care		
38	Ship motion in viscous flow under ir	R B Nimma, Arundeepan	CIVIL	International journal of scientific & engineering	2018	2229-5518	<a href="https://www.ijser.org/">https://www.ijser.org/</a>	<a href="https://www.ijser.org/researchpaper/Ship-Motion-in-">https://www.ijser.org/researchpaper/Ship-Motion-in-</a>			
39	Vibration analysis of simply supported beam with varying crack	P Subhasmita	CIVIL	International research journal of engineering and	2018	2395-0056	<a href="https://www.irjet.net/">https://www.irjet.net/</a>	<a href="https://www.irjet.net/archives/V6/i6/IRJET-V6I6739.pdf">https://www.irjet.net/archives/V6/i6/IRJET-V6I6739.pdf</a>			
40	Water quality analysis of trace and toxic metals in Brahmani river basin	T K Nath, B Tripathy, A Das	CIVIL	International journal of engineering research &	2018	2278-0181	<a href="https://www.ijert.org/">https://www.ijert.org/</a>	<a href="https://www.ijert.org/research/water-quality-analysis-of-trace-and-toxic-https://www.iosrjournals.org/iosr-imce/papers/vol15-issue5/Version-">https://www.ijert.org/research/water-quality-analysis-of-trace-and-toxic-https://www.iosrjournals.org/iosr-imce/papers/vol15-issue5/Version-</a>			
41	Water quality assessment of Brahmani river at Talcher city,	C K Mukherjee, B Tripathy, P K Pani, A	CIVIL	IOSR journal of mechanical and civil	2018	2278-1684, 2320-334X	<a href="https://www.iosrjournals.org/">https://www.iosrjournals.org/</a>	<a href="https://www.iosrjournals.org/iosr-imce/papers/vol15-issue5/Version-">https://www.iosrjournals.org/iosr-imce/papers/vol15-issue5/Version-</a>			
42	Water quality assessment of Brahmani river at Talcher city,	C K Mukherjee, B Tripathy, P K Pani, A	CIVIL	IOSR journal of mechanical and civil	2018	2278-1684, 2320-334X	<a href="https://www.iosrjournals.org/">https://www.iosrjournals.org/</a>	<a href="https://www.iosrjournals.org/iosr-imce/papers/vol15-issue5/Version-">https://www.iosrjournals.org/iosr-imce/papers/vol15-issue5/Version-</a>			
43	Water quality assessment of Brahmani river at Talcher city,	C K Mukherjee, B Tripathy, P K Pani, A	CIVIL	IOSR journal of mechanical and civil	2018	2278-1684, 2320-334X	<a href="https://www.iosrjournals.org/">https://www.iosrjournals.org/</a>	<a href="https://www.iosrjournals.org/iosr-imce/papers/vol15-issue5/Version-">https://www.iosrjournals.org/iosr-imce/papers/vol15-issue5/Version-</a>			
44	A Comparative Study on GeoTechnical Characteristics of Sedimented and Compacted Fly Ash Bed Treated with Lime column	P.P.Singh, S. SANGITA	CIVIL	Journal of Civil Engineering and Environmental Technology	2018	2349-8404	<a href="https://krishisanskriti.org/">https://krishisanskriti.org/</a>	<a href="https://krishisanskriti.org/vol_image/25Oct201906105704%20%20%20S%20%20Sangita%20%20%20">https://krishisanskriti.org/vol_image/25Oct201906105704%20%20%20S%20%20Sangita%20%20%20</a>			
45	Adsorption Potential of BF Slag and BF Flue Dust Towards Removal of Aqueous Phenol	Dr. Kalpataru Rout, Manoj Kumar Sahoo, Dr. CR Sahoo	CIVIL	International Journal of Advanced Research, Ideas and Innovations in	2018	2454-132X	<a href="http://www.ijariit.com">www.ijariit.com</a>		NA		
46	Adsorption potential of Blast Furnace Granulated slag towards	Dr. Kalpataru Rout, Manoj Kumar Sahoo,	CIVIL	International Journal of Advanced Research, Ideas	2018	2395-0056	<a href="http://www.ijariit.com">www.ijariit.com</a>		NA		
47	Comparison of scour and flow characteristics around circular and	R Chavan, P Acharya, B Kumar	CIVIL	Journal of marine science and application	2018	2394-3386	<a href="https://www.springer.com">https://www.springer.com</a>	<a href="https://doi.org/10.1007/s11804-018-0016-6">https://doi.org/10.1007/s11804-018-0016-6</a>		Scopus	Web of science
48	Crack Detection in Simply Supported Beam by Artificial Neural	P. Das	CIVIL	International Journal of Scientific & Engineering	2018	2349-8404	<a href="https://www.ijser.org/">https://www.ijser.org/</a>	DOI:10.1109/icABCD54961.2022.9856177			
49	Studies on the Leachate Characteristics of Sedimented Pond	P.P.Singh, S. SANGITA	CIVIL	Journal of Civil Engineering and	2018	DOI. 10.1007/s10706016-	<a href="https://krishisanskriti.org/Publication.html">https://krishisanskriti.org/Publication.html</a>	<a href="https://krishisanskriti.org/vol_image/04Nov201805112510%20A%20STUDY%20OF%20COGNITIVE%20FUNCTION%20WITH%20MEMORY%20OF%20HUMAN%20BEING%20USING%20BLUE%20BRAIN%20(ijser.org)">https://krishisanskriti.org/vol_image/04Nov201805112510%20A%20STUDY%20OF%20COGNITIVE%20FUNCTION%20WITH%20MEMORY%20OF%20HUMAN%20BEING%20USING%20BLUE%20BRAIN%20(ijser.org)</a>			
50	A study of cognitive function with memory of human being using blue brain	Divyajyoti Dehury, Srinivas Sethi, Ramesh Kumar Sahoo	CSE	International journal of scientific and Engineering Research	2018	2229-5518	International Journal of Scientific Engineering and Research (IJSER)	<a href="https://www.ijser.org/">https://www.ijser.org/</a>	UGC Care		
51	A study of cognitive function with memory of human being using blue brain	Divyajyoti Dehury, Srinivas Sethi, Ramesh Kumar Sahoo	CSE	International journal of scientific and Engineering Research	2018	2229-5518	International Journal of Scientific Engineering and Research (IJSER)	<a href="https://www.ijser.org/">https://www.ijser.org/</a>	UGC Care		
52	An Entropy Based Thresholding Approach for Image Edge Detection	K.K.Jena, S. Mishra, S. N. Mishra, and S.K. Bhoi	CSE	Journal of Applied Science and Computations	2018	ISSN: 1076-5131, vol. 6, no. 2, pp. 309-322	NA	NA	UGC Care		
53	An Entropy Based Thresholding Approach for Image Edge Detection	K.K.Jena, S. Mishra, S. N. Mishra, and S.K. Bhoi	CSE	Journal of Applied Science and Computations	2018	ISSN: 1076-5131, vol. 6, no. 2, pp. 309-322	NA	NA			
54	Convergence of Asynchronous Cellular Automata: Does Size Matter?"	B. Sethi, S. Roy, S. Das	CSE	Journal of Cellular automata	2018		JCA Home – Old City Publishing	DOI: 10.35940/ijitee.J1134.0881019			Web of Science

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Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
55	MRI Brain Tumor Image Analysis Using Fuzzy Rule Based Approach	K.K.Jena, S. Mishra, S. N. Mishra, S.K. Bhoi and S. R. Nayak	CSE	Journal of Research on the Lepidoptera	2018	ISSN: 0022-4324, vol. 50, no. 1	NA	DOI:10.36872/LEPI/V50I2/201012			
56	MRI Brain Tumor Image Analysis Using Fuzzy Rule Based Approach	K.K.Jena, S. Mishra, S. N. Mishra, S.K. Bhoi and S. R. Nayak	CSE	Journal of Research on the Lepidoptera	2018	ISSN: 0022-4324, vol. 50, no. 1	NA	DOI:10.36872/LEPI/V50I2/201012			
57	Protein Structure Prediction for Dialysis Patients using Genetic Algorithm	S. B. Rout, S. Mishra, S. N. Mishra	CSE	International Journal of Scientific Research in Computer Science Applications and Management Studies	2018	2319-1953	Home ::IJARCSMS::	NA			
58	Protein Structure Prediction for Dialysis Patients using Genetic Algorithm	S. B. Rout, S. Mishra, S. N. Mishra	CSE	International Journal of Scientific Research in Computer Science Applications and Management Studies	2018	2319-1953	Home ::IJARCSMS::	NA			
59	Protein Structure Prediction for Dialysis Patients using Genetic Algorithm	S. B. Rout, S. Mishra, S. N. Mishra	CSE	International Journal of Scientific Research in Computer Science Applications and Management Studies	2018	2319-1953	Home ::IJARCSMS::	NA			
60	Protein Structure Prediction of Amino Acid Compositions using Genetic Algorithm	S. B. Rout, S. Mishra D. K. Swain	CSE	International Journal of All Research Education and Scientific Methods	2018	2348-1269	Home ::IJARCSMS::	NA			
61	Protein Structure Prediction of Amino Acid Compositions using Genetic Algorithm	S. B. Rout, S. Mishra D. K. Swain	CSE	International Journal of All Research Education and Scientific Methods	2018	2348-1269	Home ::IJARCSMS::	NA			
62	Protein Structure Prediction using Brute Force Search and Genetic Algorithm	S. B. Rout, S. Mishra D. K. Swain	CSE	International Journal of Research and Analytical Reviews	2018	2348-1269	Ijaresm :: UGC Approved journal at Lowest Price within 1 day	NA	UGC Care		
63	A fault tolerant switching table based DTC for five phase induction motor	BP Panigrahi,U Mahanta, AK Panda,	EE	Journal of Institution of Engineers, India, Series B Springe	2018	2250-2106	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/s40031-019-00385-0">https://doi.org/10.1007/s40031-019-00385-0</a>		scopus	Web of science
64	A fault tolerant switching table based DTC for five phase induction motor	BP Panigrahi,U Mahanta, AK Panda,	EE	Journal of Institution of Engineers, India, Series B Springe	2018		<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://link.springer.com/article/10.1007/s40031-019-00385-0">https://link.springer.com/article/10.1007/s40031-019-00385-0</a>		scopus	Web of science
65	A sliding mode observer design for single phase photovoltaic grid integration	Pradipta Kumar Sahoo, Pravat Kumar Ray, Pranali Das	EE	International Journal of Smart Grid and Green Communications	2018	2052-2002	<a href="https://www.inderscienceonline.com/journal/ijsggc">https://www.inderscienceonline.com/journal/ijsggc</a>	<a href="https://doi.org/10.1504/IJSGGC.2018.091358">https://doi.org/10.1504/IJSGGC.2018.091358</a>		Scopus	
66	Active and reactive power control of three phase grid connected PV system	Pradipta Kumar Sahoo, Pravat Kumar Ray, Pranati Das	EE	International Journal of Smart Grid and Green Communications	2018	2052-2002	<a href="https://www.inderscienceonline.com/journal/ijsggc">https://www.inderscienceonline.com/journal/ijsggc</a>	<a href="https://doi.org/10.1504/IJSGGC.2018.095125">https://doi.org/10.1504/IJSGGC.2018.095125</a>		Scopus	
67	<u>An economic rural electrification study using combined hybrid solar and biomass-biogas system</u>	Bibhu Prasad Ganthia, Sushree Sasmita, Krishna Rout, Anwes Pradhan, Jayashree Nayak	EE	Materials Today: Proceedings	2018		Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier	<a href="https://doi.org/10.1016/j.matpr.2017.11.075">https://doi.org/10.1016/j.matpr.2017.11.075</a>		Scopus	
68	Current control strategies for single phase grid integrated inverters for photovoltaic applications-a review	Aditi Chatterjee and K. B. Mohanty	EE	Renewable and Sustainable Energy Reviews	2018		<a href="https://www.sciencedirect.com/journal/renewable-and-sustainable-energy-reviews">https://www.sciencedirect.com/journal/renewable-and-sustainable-energy-reviews</a>	<a href="https://doi.org/10.1016/j.rser.2018.04.115">https://doi.org/10.1016/j.rser.2018.04.115</a>		Scopus	Web of science
69	Dictionary-based intra-prediction framework for image compression via sparse representation	Arabinda Sahoo, Pranati Das	EE	International Journal of Internet of Things and Cyber-Assurance	2018	2059-7967	<a href="https://www.inderscienceonline.com/journal/ijitca">https://www.inderscienceonline.com/journal/ijitca</a>	<a href="https://doi.org/10.1504/IJITCA.2018.092457">https://doi.org/10.1504/IJITCA.2018.092457</a>		Scopus	
70	Economical management of microgrid for optimal participation in electricity market	Chinmay Kumar Nayak Aditi Chatterjee,	EE	Journal of Energy Storage-Elsevier	2018	2352-152X	<a href="https://www.sciencedirect.com/journal/journal-of-energy-storage">https://www.sciencedirect.com/journal/journal-of-energy-storage</a>	<a href="https://doi.org/10.1016/j.est.2018.12.027">https://doi.org/10.1016/j.est.2018.12.027</a>		Scopus	Web of Science
71	Grid Voltage Sensorless Control of Single Phase Grid Tied Inverter for Renewable Energy Systems Applications	Kanungo Barada Mohanty, Kishore Thakre, Vinaya Sagar Kommukuri	EE	Electric Power Components and Systems	2018	1532-5008	<a href="https://www.tandfonline.com/journals/uemp20">https://www.tandfonline.com/journals/uemp20</a>	<a href="https://doi.org/10.1080/15325008.2018.1511875">https://doi.org/10.1080/15325008.2018.1511875</a>		Scopus	Web of Science

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
72	GWO tuned multi degree of freedom PID controller for load frequency control	Nimai Charan Patel, Manoj Kumar Debnath, Durgesh Prasad Bagarty, and Pranati Das	EE	International Journal of Engineering & Technology	2018	2227-524X	<a href="https://www.sciencepubco.com/index.php/ijet/index">https://www.sciencepubco.com/index.php/ijet/index</a>	<a href="https://www.sciencepubco.com/index.php/ijet/article/view/14831">https://www.sciencepubco.com/index.php/ijet/article/view/14831</a>		Scopus	
73	Model predictive current controller for performance enhancement of grid-integrated single-phase photovoltaic distributed generation plants	Aditi Chatterjee, Kanungobarada Mohanty, Vinaya Sagar Kommukuri, Kishor Thakre	EE	Transactions of the Institute of Measurement and Control	2018	0142-3312	<a href="https://journals.sagepub.com/">https://journals.sagepub.com/</a>	<a href="https://doi.org/10.1177/0142331216665686">https://doi.org/10.1177/0142331216665686</a>			
74	Modified Bridgeless SEPIC Rectifier for Power Factor Correction with Reduced Switch Stress Operating in Continuous Conduction Mode	V S Kommukuri, K B Mohanty, A Chatterjee, K Thakre	EE	Journal of Circuits, Systems and Computers	2018	0218-1266	<a href="https://www.worldscientific.com/">https://www.worldscientific.com/</a>	<a href="https://doi.org/10.1142/S021812661850127X">https://doi.org/10.1142/S021812661850127X</a>		scopus	Web of science
75	Nature inspired MPPT algorithm for partially shaded PV system: A comparative study	Somashree Pathy	EE	MDPI-Energies	2018	NA	<a href="https://www.mdpi.com/journal/energies">Energies   An Open Access Journal from MDPI</a>	<a href="https://doi.org/10.3390/en12081451">https://doi.org/10.3390/en12081451</a>		scopus	
76	Reduction of circuit devices in symmetrical voltagesource multilevel inverter based on series connectionof basic unit cells	Kishor Thakre, Kanungo Barada Mohanty, Aditi Chatterjee	EE	Alexandria Engineering Journal	2018	1110-0168	<a href="https://www.sciencedirect.com/journal/alexandria-engineering-journal">https://www.sciencedirect.com/journal/alexandria-engineering-journal</a>	<a href="https://doi.org/10.1016/j.aej.2017.11.001">https://doi.org/10.1016/j.aej.2017.11.001</a>		Scopus	Web of science
77	Simple moving average based capacity optimization for VRLA battery in PV power smoothing application using MCTLBO	Chinmay Kumar Nayak, Manas Ranjan Nayak, Rabindra Behera	EE	Journal of Energy Storage	2018	2352-152X	<a href="https://www.sciencedirect.com/journal/journal-of-energy-storage">https://www.sciencedirect.com/journal/journal-of-energy-storage</a>	<a href="https://doi.org/10.1016/j.est.2018.02.010">https://doi.org/10.1016/j.est.2018.02.010</a>		Scopus	Web of science
78	Technoeconomic analysis of a grid-connected PV and battery energy storage system considering time of use pricing	Chinmay Kumar Nayak	EE	Turkish Journal of Electrical Engineering & Computer Sciences	2018	1300-0632	<a href="https://journals.tubitak.gov.tr/">https://journals.tubitak.gov.tr/</a>	<a href="https://doi.org/10.3906/elk-1703-35">10.3906/elk-1703-35</a>		Scopus	Web of science
79	Multistatic Radar Emitter Identification Using Entropy Maximization based Independent Component Analysis.	D. Dash J. Valarmathi	ETC	Journal of engineering Science and Technology	2018	1823-4690	<a href="http://www.jestec.taylors.edu.my/V13Issue10.htm">jestec.taylors.edu.my/V13Issue10.htm</a>	NA		Scopus	
80	A new-fangled high dimensional waveguide for multiple sensing applications using finite difference time domain method	Sangram Kishore Mohanty , G. Palai , Urmilla Bhanja , C.S. Mishra	ETC	optik-International journal for light and electron optics	2018	NA	<a href="https://www.sciencedirect.com/journal/optik">Optik   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.jileo.2018.07.106">https://doi.org/10.1016/j.jileo.2018.07.106</a>			web of science
81	A Probabilistic Multiple Hypothesis Tracking System for Space Object Tracking	K. D. Sa, D. Dash	ETC	International Journal of Innovative Science, Engineering & Technology	2018	2348-7968	<a href="http://www.ijiset.com/">http://www.ijiset.com/</a>	NA			
82	A Probabilistic Multiple Hypothesis Tracking System for Space Object Tracking	K. D. Sa, D. Dash	ETC	International Journal of Innovative Science, Engineering & Technology	2018	2348-7968	<a href="http://www.ijiset.com/">http://www.ijiset.com/</a>	NA		UGC Approved	
83	Design and implementation of 256 bit symmetric key cryptography algorithm used in the data security with resistance to Brute force and Timing attack written in VHDL code using Xilinx 9.2i software	Anwasha Das, Paresh kumar Pasayat	ETC	IRJET	2018	2395-0056	<a href="http://www.irjet.net">www.irjet.net</a>	<a href="https://www.irjet.net/archives/V6i4/IRJET-V6i4118.pdf">IRJET-V6i4118.pdf</a>		UGC Approved	
84	Design and implementation of 256 bit symmetric key cryptography algorithm used in the data security written in VHDL	Anwasha Das, Paresh kumar Pasayat	ETC	IRJET	2018	2395-0056	<a href="http://www.irjet.net">www.irjet.net</a>	<a href="https://www.irjet.net/archives/V6i4/IRJET-V6i4118.pdf">IRJET-V6i4118.pdf</a>		UGC Approved	
85	Design and Performance Analysis of Modified Two Dimensional Golomb code for Optical Code Division Multiple Access	S. Singhdeo, Urmila Bhanja	ETC	Telecommunication Systems, Springer Publisher	2018	1018-4864	<a href="https://www.springer.com/journal/10184">Home   Telecommunication Systems. (springer.com)</a>	<a href="https://doi.org/10.1007/s11235-018-0428-2">10.1007/s11235-018-0428-2</a>		Scopus	Web of Science
86	Embedded based real time traffic congestion detection	Urmila Bhanja, Bhagyashree Das, Anita Mohanty	ETC	International Journal of Vehicle Information and Communication Systems	2018	1741-8208	<a href="https://www.inderscienceonline.com/journal/ijvics">International Journal of Vehicle Information and Communication Systems Home (inderscienceonline.com)</a>	<a href="https://doi.org/10.1504/IJVICS.2018.094976">https://doi.org/10.1504/IJVICS.2018.094976</a>		Scopus	
87	Modeling and Analysis of Velocity, Acceleration and Jerk models for tracking maneuvering targets	D. Dash J. Valarmathi	ETC	International Journal of Pure and Applied Mathematics	2018	1314-3395	<a href="https://www.acadpubl.eu/jsi">acadpubl.eu/jsi</a> 2018-118-18/issue18d.html	<a href="https://www.acadpubl.eu/jsi2018-118-18/issue18d.html">92.pdf (acadpubl.eu)</a>	NA		

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
88	Non-Stationary Signal Analysis A Modified Time Frequency Approach	Devika, K. D Sa, D. Dash	ETC	International Journal of Computer Engineering in Research Trends	2018	2349-7084	<a href="http://www.ijcert.org">www.ijcert.org</a>	10.22362/ijcert	UGC Approved		
89	Non-Stationary Signal Analysis A Modified Time Frequency Approach	Devika, K. D Sa, D. Dash	ETC	International Journal of Computer Engineering in Research Trends	2018	2349-7084	<a href="http://www.ijcert.org">www.ijcert.org</a>	10.22362/ijcert	UGC Approved		
90	Non-Stationary Signal Analysis A Modified Time Frequency Approach	Devika, K. D Sa, D. Dash	ETC	International Journal of Computer Engineering in Research Trends	2018	2349-7084	<a href="http://www.ijcert.org">www.ijcert.org</a>	10.22362/ijcert	UGC Approved		
91	Performance analysis of FSO-OFDM in foggy weather condition	Chinmayee Panda, U Bhanja	ETC	IJRSET	2018	2319-8753	<a href="http://www.ijrset.com">www.ijrset.com</a>	<a href="#">30_Performance.pdf (ijrset.com)</a>	UGC Approved		
92	Real Time Traffic Congestion Detection using Embedded System	Urmila Bhanja, Bhagyashree Das, Anita Mohanty	ETC	International Journal of Vehicle Information and Communication Systems, Inderscience Publisher	2018	1741-8208 (Online) 1471-0242 (Print)	<a href="#">International Journal of Vehicle Information and Communication Systems (IJVICS) Inderscience Publishers - linking academia, business and industry through research</a>	10.1504/IJVICS.2018.094976		Scopus	
93	Traffic congestion detection in a city using clustering techniques in VANETS	A. Mohanty, S. Mahapatra, U.Bhanja	ETC	Indonesian Journal of Electrical Engineering and Computer Science	2018	1327-2314 (Print) 1875-8827 (Online)	<a href="#">Indonesian Journal of Electrical Engineering and Computer Science (iaescore.com)</a>	10.11591/ijeecs.v13.i3.pp884-891		Scopus	
94	Variation of source Gate work function on the performance of dual material gate rectangular recessed channel SOI-MOSFET	Sikha Mishra, Urmila Bhanja, Guru Prasad Mishra	ETC	International journal of numerical modeling: Electronic networks, devices and fields. Wiley Publisher	2018	1099-1204	<a href="#">International Journal of Numerical Model</a>	10.1002/jnm.2487		Scopus	
95	A non-linear model for interfacial layer's thermal conductivity of nanofluid	Ghosh G.K. and Patel, R.K	Mechanical	International Journal of Advanced Mechanical Engineering	2018	ISSN:2250-3254	<a href="#">IJAME, International Journal of Advanced Mechanical Engineering, Mechanical Engineering Journals, Journals Publishers, Computer Science Journals in India, Indian Journals Subscription Agency, Indian Books Distributors (ripublication.com)</a>	<a href="#">ijamev8n1spl_02.pdf (ripublication.com)</a>	UGC Approved	Scopus	
96	A non-linear model for interfacial layer's thermal conductivity of nanofluid	Ghosh G.K. and Patel, R.K	Mechanical	International Journal of Advanced Mechanical Engineering	2018	2250-3234	<a href="#">IJAME, International Journal of Advanced Mechanical Engineering, Mechanical Engineering Journals, Journals Publishers, Computer Science Journals in India, Indian Journals Subscription Agency, Indian Books Distributors (ripublication.com)</a>	<a href="#">ijamev8n1spl_02.pdf (ripublication.com)</a>	UGC Approved	Scopus	
97	An Artificial Intelligent Centered Object Inspection System Using Crucial Images	Santosh Kumar Sahoo, BB Choudhury	Mechanical	International Journal of Rough Sets and Data Analysis (IJRSDA)	2018	2334-4598	<a href="#">International Journal of Rough Sets and Data Analysis (IJRSDA): 2334-4598, 2334-4601: Computer Science &amp; IT Journals   IGI Global (igi-global.com)</a>	DOI: 10.4018/IJRSDA.2018010104		Scopus	
98	An economic rural electrification study using combined hybrid solar and biomass-biogas system	Bibhu Prasad Ganthia, Sushree Sasmita, Krishna Rout, Anwes Pradhan, Jayashree Nayak	Mechanical	Materials Today: Proceedings	2018		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2017.11.075">https://doi.org/10.1016/j.matpr.2017.11.075</a>		Scopus	Web of Science
99	Analysis and use of fuzzy intelligent technique for navigation of humanoid robot in obstacle prone zone	Rath, A. K., Parhi, D. R., Das, H. C., Muni, M. K., & Kumar, P. B	Mechanical	Defence Technology	2018	2096-3459	<a href="#">Defence Technology   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.dt.2018.03.008">https://doi.org/10.1016/j.dt.2018.03.008</a>		Scopus	
100	Combined heat loss analysis of trapezoidal shaped solar cooker cavity using computational approach	Jayashree Nayak, Mohit Agrawal, Saumyakanta Mishra, Sudhansu S Sahoo, Ranjan K Swain, Antaryami Mishra	Mechanical	Case Studies in Thermal Engineering	2018	2214-157X	<a href="#">Case Studies in Thermal Engineering   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.csite.2018.03.009">https://doi.org/10.1016/j.csite.2018.03.009</a>		Scopus	
101	Combined heat loss analysis of trapezoidal shaped solar cooker cavity using computational approach	Jayashree Nayak, Mohit Agrawal, Saumyakanta Mishra, Sudhansu S Sahoo, Ranjan K Swain, Antaryami Mishra	Mechanical	Case Studies in Thermal Engineering	2018	2214-157X	<a href="#">Case Studies in Thermal Engineering   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.csite.2018.03.009">https://doi.org/10.1016/j.csite.2018.03.009</a>		Scopus	

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
102	Combined heat loss analysis of trapezoidal shaped solar cooker cavity using computational approach	Jayashree Nayak, Mohit Agrawal, Saumyakanta Mishra, Sudhansu S Sahoo, Ranjan K Swain, Antaryami Mishra	Mechanical	Case Studies in Thermal Engineering	2018	2214-157X	Case Studies in Thermal Engineering   Journal   ScienceDirect.com by Elsevier	<a href="https://doi.org/10.1016/j.csite.2018.03.009">https://doi.org/10.1016/j.csite.2018.03.009</a>		Scopus	
103	COMPARATIVE ANALYSIS OF FLOW SHOP SCHEDULING FOR N-JOBS AND M-MACHINES	DHIREN KUMAR BEHERA, SITAL KUMAR SARANGI, SA OHID	Mechanical	Asian Journal of Mathematics and Computer Research	2018	2395-4205	<a href="http://www.ikppress.org/index.php/AJOMCOR/article/view/996">Asian Journal of Mathematics and Computer Research (ikppress.org)</a>	<a href="https://www.ikppress.org/index.php/AJOMCOR/article/view/996">https://www.ikppress.org/index.php/AJOMCOR/article/view/996</a>		Scopus	
104	Comparison analysis for the machine scheduling using crow search algorithm (CSA) and PSO	Sameer Sahu, Dhiren Kumar Behera	Mechanical	Int J Mech Eng Technol	2018	0976-6359	<a href="https://iaeme.com/Home/journal/IJMET">https://iaeme.com/Home/journal/IJMET</a>			Scopus	
105	Design of Self Made Pneumatic Air Braking System	Lopmudra Swain, Sabyasachi Aich	Mechanical	IJSRD - International Journal for Scientific Research & Development	2018	2321-0613	IJSRD Call for Papers & International Journal of Science	<a href="http://www.ijournal.com">Design of Self Made Pneumatic Air Braking System (ijsrd.com)</a>	UGC Approved		
106	Determination of Economical and Stable Rotating Tapered Sandwich Beam Experiencing Parametric Vibration and Temperature Gradient	Dash, P. and Nayak, D. K.	Mechanical	Journal of The Institution of Engineers (India): Series C	2018		<a href="http://www.ijournal.com">Home   Journal of The Institution of Engineers (India): Series C (springer.com)</a>	<a href="https://doi.org/10.1007/s40032-018-0496-9">https://doi.org/10.1007/s40032-018-0496-9</a>		Scopus	
107	Electron Backscattered Diffraction Study of Pulse Electrodeposited Cu-Y2O3 Composite Coating	H. S Maharana, B. Bishoyi, S.Panda, A. Basu	Mechanical	Journal of Materials Engineering and Performance	2018		<a href="http://www.ijournal.com">Home   Journal of Materials Engineering and Performance (springer.com)</a>	DOI:10.1007/s11665-018-3469-5		Scopus	
108	Emission and Friction Analysis of IC Engine Running in Methanol Blend	A. Gupta, P.C. Mishra	Mechanical	Tribology In Industry	2018	2217-7965	Tribology in Industry	10.24874/ti.2018.40.01.02		Scopus	
109	Fault Detection of Roller Bearing Using Vibration Analysis	Rabinarayan Sethi . Subhasini Muduli	Mechanical	International Journal of Scientific & Engineering Research	2018	2229-5518	International Journal of Scientific Engineering and Research (IJSER)	NA	NA		
110	Fuzzy Logic Based Path Planning for Industrial Robot	Supriya Sahu, Bibhuti Bhusan Choudhury	Mechanical	International journal of manufacturing, materials and mechanical engineering	2018		<a href="http://www.ijournal.com">International Journal of Manufacturing, Materials, and Mechanical Engineering (IJMMME): 2156-1680, 2156-1672: Physical Sciences &amp; Engineering Journals   IGI Global (igi-global.com)</a>	DOI: 10.4018/978-1-7998-1754-3.ch018		Scopus	
111	Fuzzy Logic Based Path Planning for Industrial Robot	Supriya Sahu, Bibhuti Bhusan Choudhury	Mechanical	International journal of manufacturing, materials and mechanical engineering	2018		<a href="http://www.ijournal.com">International Journal of Manufacturing, Materials, and Mechanical Engineering (IJMMME): 2156-1680, 2156-1672: Physical Sciences &amp; Engineering Journals   IGI Global (igi-global.com)</a>	DOI: 10.4018/978-1-7998-1754-3.ch018		Scopus	
112	Optimisation of emission characteristics of petrol engine running on alternate fuel and fitted with chambered type muffler: Combined CFD and experimental methods	A. Gupta, P.C. Mishra	Mechanical	Oxidation Communication	2018		Oxidation Communications (scimagojr.com)	2018, Volume 41, Issue no. 1, Page no. 11-22		Scopus	
113	Static and Dynamic Analysis of Basalt Fiber Reinforced Sandwich Composite Laminates with Aluminium Honeycomb Core.	Swati Swagatika, Mr Ansuman Padhi	Mechanical	International Journal of Science and Research (IJSR)	2018	2319-7064	International Journal of Science and Research (IJSR): Qualis CAPES Approved, Call for Paper	DOI: 10.21275/ART2019570		Scopus	
114	Assessment of creep deformation, damage, and rupture life of 304HCu austenitic stainless steel under multiaxial state of stress	Kanhu Charan Sahoo, S. Goyal, P. Parameswaran, S. Ravi and K. Laha	MME	Metallurgical and Materials Transactions A	2018	(2018), vol. 49, pp. 881-898	<a href="http://www.ijournal.com">Home   Metallurgical and Materials Trans</a>	<a href="https://doi.org/10.1007/s11661-017-4459-1">https://doi.org/10.1007/s11661-017-4459-1</a>		Scopus	Web of Science
115	Beneficiation of Coal by Ultrasonic Process	Pratik Praharaj, Dr. S. C. Patnaik and Dr. Archana Mallick	MME	International Journal of Advance and Innovative Research	2018	Volume 5, Issue 4 (XIV): October-December, 2018, p118-123, ISSN: 2394-7780.	<a href="http://www.ijournal.com">INTERNATIONAL JOURNAL OF ADVANCED AND INNOVATIVE RESEARCH (IJAIR) ISSN: 2278-7844 (ijairjournal.in)</a>				

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
116	Correlation of magnetic properties with mechanical properties of a high tensile Grade steel in various Heat Treated conditions	J. N. Mohapatra, Sashmita Mohanty, Satish Kumar Dabburu & Ipsa Tripathy	MME	Trans Indian Inst Met	2018	71,2361-2374 (2018)	<a href="http://www.tiim.org/">Home   Transactions of the Indian Institute of Metals (springer.com)</a>	<a href="https://doi.org/10.1007/s12666-018-1367-z">https://doi.org/10.1007/s12666-018-1367-z</a>		Scopus	Web of Science
117	Dry Sliding Wear Behaviour of Al-Si-TiB2 In-Situ Composites	Sandeep K. Sahoo, Jogendra Majhi, Jayanta K. Sahoo, Anup K. Bairagi, Subhadra Sahoo, Bhabani P. Sahoo	MME	International Journal of Advanced Mechanical Engineering	2018	ISSN 2250-3234 Volume 8, Number 1 (2018), pp. 27-36	<a href="http://www.ijame.com/">IJAME, International Journal of Advanced Mechanical Engineering, Mechanical Engineering Journals, Journals Publishers, Computer Science Journals in India, Indian Journals Subscription Agency, Indian Books Distributors (rippublication.com)</a>	<a href="http://www.ijame.com/ijamev8n1spl_04.pdf">ijamev8n1spl_04.pdf (rippublication.com)</a>		Scopus	
118	Dry Sliding Wear Behaviour of Al-Si-TiB2 In-Situ Composites	Sandeep K. Sahoo, Jogendra Majhi, Jayanta K. Sahoo, Anup K. Bairagi, Subhadra Sahoo, Bhabani P. Sahoo	MME	International Journal of Advanced Mechanical Engineering	2018	ISSN 2250-3234 Volume 8, Number 1 (2018), pp. 27-36	<a href="http://www.ijame.com/">IJAME, International Journal of Advanced Mechanical Engineering, Mechanical Engineering Journals, Journals Publishers, Computer Science Journals in India, Indian Journals Subscription Agency, Indian Books Distributors (rippublication.com)</a>	<a href="http://www.ijame.com/ijamev8n1spl_04.pdf">ijamev8n1spl_04.pdf (rippublication.com)</a>		Scopus	
119	Dry Sliding Wear Behaviour of Al-Si-TiB2 In-Situ Composites	Sandeep K. Sahoo, Jogendra Majhi, Jayanta K. Sahoo, Anup K. Bairagi, Subhadra Sahoo, Bhabani P. Sahoo	MME	International Journal of Advanced Mechanical Engineering	2018	ISSN 2250-3234 Volume 8, Number 1 (2018), pp. 27-36	<a href="http://www.ijame.com/">IJAME, International Journal of Advanced Mechanical Engineering, Mechanical Engineering Journals, Journals Publishers, Computer Science Journals in India, Indian Journals Subscription Agency, Indian Books Distributors (rippublication.com)</a>	<a href="http://www.ijame.com/ijamev8n1spl_04.pdf">ijamev8n1spl_04.pdf (rippublication.com)</a>		Scopus	
120	Dry Sliding Wear Behaviour of Al-Si-TiB2 In-Situ Composites	Sandeep K. Sahoo, Jogendra Majhi, Jayanta K. Sahoo, Anup K. Bairagi, Subhadra Sahoo, Bhabani P. Sahoo	MME	International Journal of Advanced Mechanical Engineering	2018	ISSN 2250-3234 Volume 8, Number 1 (2018), pp. 27-36	<a href="http://www.ijame.com/">IJAME, International Journal of Advanced Mechanical Engineering, Mechanical Engineering Journals, Journals Publishers, Computer Science Journals in India, Indian Journals Subscription Agency, Indian Books Distributors (rippublication.com)</a>	<a href="http://www.ijame.com/ijamev8n1spl_04.pdf">ijamev8n1spl_04.pdf (rippublication.com)</a>		Scopus	
121	Effect of addition of 2% Al <sub>2</sub> O <sub>3</sub> for grain refinement of Al-16Si Hypereutectic Alloys at 770°C	J.Majhi, S.K.Sahoo, S. C. Patnaik, B. Sarangi, S.K. Sahu	MME	Int. J. of Scientific & Engineering Research	2018	Volume 9, Issue 4, April-2018 ISSN: 2229-5518, pp181-184	<a href="http://www.ijser.org/">Online International Journal, Peer Reviewed Scholarly Journals (ijser.org)</a>	<a href="http://www.ijser.org/paper.asp?paper=IJSER1804004">Effect of addition of 2Al<sub>2</sub>O<sub>3</sub> for grain refinement of Al 16Si Hypereutectic Alloys at 770C - IJSER Journal Publication</a>		Scopus	
122	Effect of addition of 2% Al <sub>2</sub> O <sub>3</sub> for grain refinement of Al-16Si Hypereutectic Alloys at 770°C	J.Majhi, S.K.Sahoo, S. C. Patnaik, B. Sarangi, S.K. Sahu	MME	Int. J. of Scientific & Engineering Research	2018	Volume 9, Issue 4, April-2018 ISSN: 2229-5518, pp181-184	<a href="http://www.ijser.org/">Online International Journal, Peer Reviewed Scholarly Journals (ijser.org)</a>	<a href="http://www.ijser.org/paper.asp?paper=IJSER1804004">Effect of addition of 2Al<sub>2</sub>O<sub>3</sub> for grain refinement of Al 16Si Hypereutectic Alloys at 770C - IJSER Journal Publication</a>		Scopus	
123	Effect of addition of 2% Al <sub>2</sub> O <sub>3</sub> for grain refinement of Al-16Si Hypereutectic Alloys at 770°C	J.Majhi, S.K.Sahoo, S. C. Patnaik, B. Sarangi, S.K. Sahu	MME	Int. J. of Scientific & Engineering Research	2018	Volume 9, Issue 4, April-2018 ISSN: 2229-5518, pp181-184	<a href="http://www.ijser.org/">Online International Journal, Peer Reviewed Scholarly Journals (ijser.org)</a>	<a href="http://www.ijser.org/paper.asp?paper=IJSER1804004">Effect of addition of 2Al<sub>2</sub>O<sub>3</sub> for grain refinement of Al 16Si Hypereutectic Alloys at 770C - IJSER Journal Publication</a>		Scopus	
124	Effect of addition of 2% Al <sub>2</sub> O <sub>3</sub> for grain refinement of Al-16Si Hypereutectic Alloys at 770°C	J.Majhi, S.K.Sahoo, S. C. Patnaik, B. Sarangi, S.K. Sahu	MME	Int. J. of Scientific & Engineering Research	2018	Volume 9, Issue 4, April-2018 ISSN: 2229-5518, pp181-184	<a href="http://www.ijser.org/">Online International Journal, Peer Reviewed Scholarly Journals (ijser.org)</a>	<a href="http://www.ijser.org/paper.asp?paper=IJSER1804004">Effect of addition of 2Al<sub>2</sub>O<sub>3</sub> for grain refinement of Al 16Si Hypereutectic Alloys at 770C - IJSER Journal Publication</a>		Scopus	
125	Effect of Pouring Temperature in Al-16Si-1%Al <sub>2</sub> O <sub>3</sub> Hypereutectic Alloys	J. Majhi, S. K. Sahoo, S. C. Patnaik, B. Sarangi, A. Behera	MME	International Journal for Scientific Research & Development	2018	Vol.6, Issue 07, 2018, ISSN (online): 2321-0613	<a href="http://www.ijrds.com/">IJRSD Call for Papers &amp; International Journal of Science</a>	<a href="http://www.ijrds.com/ijrds-vol6-issue07-2018">IJRSD - International Journal for Scientific Research &amp; Development   Vol. 6, Issue 07, 2018   ISSN (online): 2321-0613</a>			
126	Effect of Pouring Temperature in Al-16Si-1%Al <sub>2</sub> O <sub>3</sub> Hypereutectic Alloys	J. Majhi, S. K. Sahoo, S. C. Patnaik, B. Sarangi, A. Behera	MME	International Journal for Scientific Research & Development	2018	Vol.6, Issue 07, 2018, ISSN (online): 2321-0613	<a href="http://www.ijrds.com/">IJRSD Call for Papers &amp; International Journal of Science</a>	<a href="http://www.ijrds.com/ijrds-vol6-issue07-2018">IJRSD - International Journal for Scientific Research &amp; Development   Vol. 6, Issue 07, 2018   ISSN (online): 2321-0613</a>			

**3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years**

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127	Effect of Pouring Temperature in Al-16Si-1%Al <sub>2</sub> O <sub>3</sub> Hypereutectic Alloys	J. Majhi, S. K. Sahoo, S. C. Patnaik, B. Sarangi, A. Behera	MME	International Journal for Scientific Research & Development	2018	Vol.6, Issue 07, 2018, ISSN (online): 2321-0613	<a href="#">IJSRD Call for Papers &amp; International Journal of Science</a>	<a href="#">IJSRD - International Journal for Scientific Research &amp; Development   Vol. 6, Issue 07, 2018   ISSN (online): 2321-0613</a>			
128	Effect of Pouring Temperature in Al-16Si-1%Al <sub>2</sub> O <sub>3</sub> Hypereutectic Alloys	J. Majhi, S. K. Sahoo, S. C. Patnaik, B. Sarangi, A. Behera	MME	International Journal for Scientific Research & Development	2018	Vol.6, Issue 07, 2018, ISSN (online): 2321-0613	<a href="#">IJSRD Call for Papers &amp; International Journal of Science</a>	<a href="#">IJSRD - International Journal for Scientific Research &amp; Development   Vol. 6, Issue 07, 2018   ISSN (online): 2321-0613</a>			
129	Electrical and mechanical behaviour of PMN-PT/CNT based polymer composite film for energy harvesting	Satyabati Das, Asutya Kumar Biswal, Kalpana Parida, R.N.P. Choudhary, Amritendu Roy	MME	Applied surface science, Elsevier	2018	Volume-428, Page No.356-363	<a href="#">Applied Surface Science   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.apsusc.2017.09.077">https://doi.org/10.1016/j.apsusc.2017.09.077</a>		Scopus	Web of Science
130	Influence of duplex ferritic-austenitic matrix on two body abrasive wear behaviour of high chromium white cast iron	PSM Jena, JK Sahu, RK Rai, SK Das, RK Singh	MME	Wear, Vol.406-407, 15 July 2018, Pg 140-148	2018		<a href="#">Wear   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.wear.2018.04.004">https://doi.org/10.1016/j.wear.2018.04.004</a>		Scopus	
131	Low cycle fatigue behaviour of Nickel base super alloy IN 740H at 7600C:Influence of fireside corrosion atmosphere	P.S.M.Jena, R.K.Singh, L.Mahanta, S.Paswan, J.K.Sahu	MME	International Journal of fatigue	2018	116(2018)623-633	<a href="#">International Journal of Fatigue   ScienceDirect.com by Elsevier</a>	NA		Scopus	
132	Oxidation Behaviour of Mo-Si-W Ternary Alloys in the Temperature Range of 400°C-900°C	Jogendra Majhi, Sandeep K.Sahoo, Suresh C. Patnaik, Bidyapati Sarangi and Rashmita Mohanty	MME	Int. J. of Adv. Mech. Engg	2018	2250-3234	<a href="#">IJAME, International Journal of Advanced</a>	<a href="#">ijamev8n1spl_27.pdf (ripublication.com)</a>		Scopus	
133	Oxidation Behaviour of Mo-Si-W Ternary Alloys in the Temperature Range of 400°C-900°C	Jogendra Majhi, Sandeep K.Sahoo, Suresh C. Patnaik, Bidyapati Sarangi and Rashmita Mohanty	MME	Int. J. of Adv. Mech. Engg	2018	2250-3234	<a href="#">IJAME, International Journal of Advanced</a>	<a href="#">ijamev8n1spl_27.pdf (ripublication.com)</a>		Scopus	
134	Oxidation Behaviour of Mo-Si-W Ternary Alloys in the Temperature Range of 400°C-900°C	Jogendra Majhi, Sandeep K.Sahoo, Suresh C. Patnaik, Bidyapati Sarangi and Rashmita Mohanty	MME	Int. J. of Adv. Mech. Engg	2018	2250-3234	<a href="#">IJAME, International Journal of Advanced</a>	<a href="#">ijamev8n1spl_27.pdf (ripublication.com)</a>		Scopus	
135	Oxidation Behaviour of Mo-Si-W Ternary Alloys in the Temperature Range of 400°C-900°C	Jogendra Majhi, Sandeep K.Sahoo, Suresh C. Patnaik, Bidyapati Sarangi and Rashmita Mohanty	MME	Int. J. of Adv. Mech. Engg	2018	2250-3234	<a href="#">IJAME, International Journal of Advanced</a>	<a href="#">ijamev8n1spl_27.pdf (ripublication.com)</a>		Scopus	
136	Processing and characterization of in-situ Al-Si-2TiB <sub>2</sub> Composites	S.K. Sahoo, J. Majhi, B. Sarangi, S.C. Patnaik, J. K. Sahoo	MME	International Journal of Scientific & Engineering Research	2018	Volume 9, Issue 4, April-2018, ISSN 2229-5518, pp 177-180.	<a href="#">Online International Journal, Peer Review</a>	<a href="#">Processing and characterization of in-situ Al-Si-2TiB2 Composites (ijser.org)</a>		Scopus	
137	Processing and characterization of in-situ Al-Si-2TiB <sub>2</sub> Composites	S.K. Sahoo, J. Majhi, B. Sarangi, S.C. Patnaik, J. K. Sahoo	MME	International Journal of Scientific & Engineering Research	2018	Volume 9, Issue 4, April-2018, ISSN 2229-5518, pp 177-180.	<a href="#">Online International Journal, Peer Review</a>	<a href="#">Processing and characterization of in-situ Al-Si-2TiB2 Composites (ijser.org)</a>		Scopus	
138	Processing and characterization of in-situ Al-Si-2TiB <sub>2</sub> Composites	S.K. Sahoo, J. Majhi, B. Sarangi, S.C. Patnaik, J. K. Sahoo	MME	International Journal of Scientific & Engineering Research	2018	Volume 9, Issue 4, April-2018, ISSN 2229-5518, pp 177-180.	<a href="#">Online International Journal, Peer Review</a>	<a href="#">Processing and characterization of in-situ Al-Si-2TiB2 Composites (ijser.org)</a>		Scopus	
139	Processing and characterization of in-situ Al-Si-2TiB <sub>2</sub> Composites	S.K. Sahoo, J. Majhi, B. Sarangi, S.C. Patnaik, J. K. Sahoo	MME	International Journal of Scientific & Engineering Research	2018	Volume 9, Issue 4, April-2018, ISSN 2229-5518, pp 177-180.	<a href="#">Online International Journal, Peer Review</a>	<a href="#">Processing and characterization of in-situ Al-Si-2TiB2 Composites (ijser.org)</a>		Scopus	



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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science	
140	Synthesis and Microstructure CaTiO <sub>3</sub> coating by Sol-Gel Spin-Coating Process	Sahu M.R., Mallik P.K., Patnaik S. C., Behera Ajit	MME	International Journal for Research in Applied Sciences and Biotechnology	2018	5 (1) (2018), pp.6-9	<a href="http://www.ijrasb.com">International Journal for Research in Applied Sciences and Biotechnology (ijrasb.com)</a>		UGC Care			
141	Synthesis and Microstructure CaTiO <sub>3</sub> coating by Sol-Gel Spin-Coating Process	Sahu M.R., Mallik P.K., Patnaik S. C., Behera Ajit	MME	International Journal for Research in Applied Sciences and Biotechnology	2018	5 (1) (2018), pp.6-9	<a href="http://www.ijrasb.com">International Journal for Research in Applied Sciences and Biotechnology (ijrasb.com)</a>		UGC Care			
142	A periodic varying deceleration parameter in f(R,T) gravity	P. K. Sahoo, S. K. Tripathy, P Sahoo	Physics	Modern Physics Letters A	2018	0217-7323	<a href="http://www.worldscientific.com">Modern Physics Letters A (worldscientific.com)</a>	<a href="https://doi.org/10.1142/S0217732318501936">https://doi.org/10.1142/S0217732318501936</a>			scopus	
143	Anisotropic reconstruction in f(R,T) gravity	B. Mishra, S. Tarai, S. K. Tripathy	Physics	Modern Physics Letters A	2018	0217-7323	<a href="http://www.worldscientific.com">Modern Physics Letters A (worldscientific.com)</a>	<a href="https://doi.org/10.1142/S0217732318501705">https://doi.org/10.1142/S0217732318501705</a>			scopus	
144	Anisotropy of Sommerfeld coefficient and penetration depth in superconducting 2H-NbS <sub>2</sub>	G. Purohit, Anup Pattanaik, P. Nayak	Physics	Eur. Phys. J. B	2018	1434-6028	<a href="http://www.epjb.edpsciences.org">Home   The European Physical Journal B (epjb.edpsciences.org)</a>	DOI:10.1140/epjb/e2017-80450-7			scopus	
145	Bianchi-V String Cosmological Model with dark energy anisotropy	B. Mishra, S. K. Tripathy, P.P.Ray	Physics	Astrophysics and Space Science	2018	0004-640X	<a href="http://www.astron.soc.science">Home   Astrophysics and Space Science (astron.soc.science)</a>	<a href="https://doi.org/10.1007/s10509-018-3313-2">https://doi.org/10.1007/s10509-018-3313-2</a>			scopus	Web of Science
146	Cosmological models with a hybrid scale factor in an extended theory of gravity	B. Mishra, S. K. Tripathy, S. Tarai	Physics	Modern Physics Letters A	2018	0217-7323	<a href="http://www.worldscientific.com">Modern Physics Letters A (worldscientific.com)</a>	<a href="https://doi.org/10.1142/S0217732318500529">https://doi.org/10.1142/S0217732318500529</a>				
147	Dynamical features of anisotropic models in f(R,T) gravity	B Mishra, S. Tarai, S K Tripathy	Physics	Indian Journal of Physics	2018	0973-1458	<a href="http://www.springerplus.com">Home   Indian Journal of Physics (springerplus.com)</a>	<a href="http://dx.doi.org/10.1007/s12648-018-1194-4">http://dx.doi.org/10.1007/s12648-018-1194-4</a>			scopus	
148	Temperature Assisted Nucleation and Growth to Optimize Perovskite Morphology at Liquid Interface: A Study by Electrochemical Impedance Spectroscopy	Anukul Prasad Parhi	Physics	ACS Applied Energy Materials	2018	2574-0962	<a href="http://www.acsaem.org">ACS Applied Energy Materials Journal - ACS Applied Energy Materials</a>	<a href="https://doi.org/10.1021/acsaem.8b00818">https://doi.org/10.1021/acsaem.8b00818</a>			scopus	
149	A Novel SPEEK-PVA-TiO <sub>2</sub> Proton Conducting Composite Membrane for PEMFC Operations at Elevated Temperature	Mr. Rabiranjana Murmu	Chemical Engg.	Journal of polymer materials	2019		<a href="http://www.tandfonline.com">Journal of Polymer Materials is published (tandfonline.com)</a>	10.32381/JPM.2018.35.04.1		UGC Care		
150	A Novel SPEEK-PVA-TiO <sub>2</sub> Proton Conducting Composite Membrane for PEMFC Operations at Elevated Temperature	Dr. Harekrushna Sutar	Chemical Engg.	Journal of polymer materials	2019		<a href="http://www.tandfonline.com">Journal of Polymer Materials is published (tandfonline.com)</a>	10.32381/JPM.2018.35.04.1		UGC Care		
151	Graphene Oxide (GO) Supported Palladium (Pd) Nanocomposites for Enhanced Hydrogenation	Mr. Rabiranjana Murmu	Chemical Engg.	Graphene	2019		<a href="http://www.scrip.org">Graphene - SCIRP (scrip.org)</a>	10.4236/graphene.2019.83003		UGC Care	scopus	
152	Graphene Oxide (GO) Supported Palladium (Pd) Nanocomposites for Enhanced Hydrogenation	Dr. Harekrushna Sutar	Chemical Engg.	Graphene	2019		<a href="http://www.scrip.org">Graphene - SCIRP (scrip.org)</a>	10.4236/graphene.2019.83003		UGC Care	scopus	
153	Removal of CO <sub>2</sub> in a multistage fluidized bed reactor by amine impregnated activated carbon: optimization using response surface methodology	Dr. Dipa Das	Chemical Engg.	International Journal of Coal Science & Technology	2019	ISSN : 2095-8293	<a href="http://www.internationaljournalofcoal.com">Home   International Journal of Coal Science &amp; Technology (internationaljournalofcoal.com)</a>	10.1007/s40789-019-0261-6			scopus	Web of Science
154	Single and Multi-objective Optimization of a Cooling and Anti-Solvent Crystallization Process by ACADO Toolkit	Mr. Kashinath Barik	Chemical Engg.	Indian Chemical Engineer	2019		<a href="http://www.tandfonline.com">Indian Chemical Engineer   Taylor &amp; Francis (tandfonline.com)</a>	<a href="https://doi.org/10.1080/00194506.2019.1677511">https://doi.org/10.1080/00194506.2019.1677511</a>			scopus	
155	Strain Rate Effects on Tensile Properties of HDPE-PP Composite Prepared by Extrusion and Injection Moulding Method	Mr. Rabiranjana Murmu	Chemical Engg.	Materials Sciences and Applications	2019	2153-1188	<a href="http://www.scrip.org/journal/msa">www.scrip.org/journal/msa</a>	10.4236/msa.2019.103017			scopus	

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
156	Strain Rate Effects on Tensile Properties of HDPE-PP Composite Prepared by Extrusion and Injection Moulding Method	Dr. Harekrushna Sutar	Chemical Engg.	Materials Sciences and Applications	2019	2153-1188	<a href="http://www.scirp.org/journal/msa">www.scirp.org/journal/msa</a>	10.4236/msa.2019.103017		scopus	
157	The Role of Surface Tension and Viscosity of the Coolant on Spray Cooling Performance of Red-Hot Inclined Steel Plate	Mr. Kashinath Barik	Chemical Engg.	International Journal of Heat and Mass Transfer	2019		<a href="http://International Journal of Heat and Mass Transfer">International Journal of Heat and Mass Transfer</a>	10.1016/j.ijheatmasstransfer.2018.07.028		scopus	Web of Science
158	Theoretical and Experimental Investigation of the Role of Viscosity and Surface tension in Dropwise Evaporation at Very High Substrate Temperature	Mr. Kashinath Barik	Chemical Engg.	Thermal Science and Engineering Progress	2019		<a href="http://International Journal of Heat and Mass Transfer">International Journal of Heat and Mass Transfer</a>	10.1016/j.tsep.2018.11.007		scopus	Web of Science
159	Thermal and Sliding Behavior of Thermally Sprayed Fly Ash Premixed Red Mud Coatings on Mild Steel	Mr. Rabiranjana Murmu	Chemical Engg.	Materials Sciences and Applications	2019		<a href="http://www.scirp.org/journal/msa">www.scirp.org/journal/msa</a>	10.4236/msa.2020.111002		scopus	
160	Thermal and Sliding Behavior of Thermally Sprayed Fly Ash Premixed Red Mud Coatings on Mild Steel	H. K. Sutar	Chemical Engg.	Materials Sciences and Applications	2019		<a href="http://www.scirp.org/journal/msa">www.scirp.org/journal/msa</a>	10.4236/msa.2020.111002		scopus	
161	Fe3O4 nanoparticles functionalized GO/g-C3N4 nanocomposite: An efficient magnetic nano adsorbent for adsorptive removal of organic pollutants	Shraban Ku Sahoo, Sandip Padhiari, S.K. Biswal, B.B. Panda, G. Hota	Chemistry	Materials Chemistry and Physics	2019	0254-0584	<a href="http://Materials Chemistry and Physics   Journal">Materials Chemistry and Physics   Journal</a>	<a href="https://doi.org/10.1016/j.matchemphys.2020.122710">https://doi.org/10.1016/j.matchemphys.2020.122710</a>		scopus	Web of Science
162	Performance of aged binder rejuvenated with Polanga oil	SUJIT KUMAR PRADHAN, U.C. SAHOO	CIVIL	<i>Journal of Traffic and Transportation Engineering</i> , Elsevier	2019	2095-7564	<a href="https://jtte.chd.edu.cn/">https://jtte.chd.edu.cn/</a>	<a href="https://doi.org/10.1016/j.jtte.2018.06.004">https://doi.org/10.1016/j.jtte.2018.06.004</a>		Scopus	
163	Terrazyme stabilized soil-fly ash mix as a road construction material	D K das, M Maharana	CIVIL	International research journal of engineering and technology	2019	2395-0056	<a href="https://www.irjet.net/">https://www.irjet.net/</a>	<a href="https://www.irjet.net/archives/V6/i5/IRJET-V6I51126.pdf">https://www.irjet.net/archives/V6/i5/IRJET-V6I51126.pdf</a>		Scopus	
164	Evaluation of recycled asphalt mixtures rejuvenated with Madhuca Longifolia (Mahua) oil.	SUJIT KUMAR PRADHAN, U.C. SAHOO	CIVIL	International Journal of Pavement Research and Technology Springer, 14 (1), 43-53	2019	1997-1400	<a href="https://www.springer.com">https://www.springer.com</a>	<a href="https://doi.org/10.1007/s42947-020-0279-6">https://doi.org/10.1007/s42947-020-0279-6</a>		Scopus	Web of science
165	Investigation in to material strength and direction of applied forces to access bonding behavior of micro-concrete	Diptiranjana Nayak, R.R. Pattnaik, K.C Bhoi, B.C. Panda	CIVIL	Springer- Journal of Institution of Engineers	2019	2666-7908	<a href="https://www.springer.com">https://www.springer.com</a>	<a href="https://doi.org/10.1007/s40030-018-0338-z">https://doi.org/10.1007/s40030-018-0338-z</a>		Scopus	Web of science
166	Performance of aged binder rejuvenated with Polanga oil	SUJIT KUMAR PRADHAN, U.C. SAHOO	CIVIL	[1] Journal of Traffic and Transportation Engineering, Elsevier, Vol 6(6), pp. 608-620.	2019	2364-4176	<a href="https://jtte.chd.edu.cn/">https://jtte.chd.edu.cn/</a>	<a href="https://doi.org/10.1016/j.jtte.2018.06.004">https://doi.org/10.1016/j.jtte.2018.06.004</a>		Scopus	Web of science
167	Activity Scheduling on Identical Parallel Processors	Satyasundara Mahapatra, Rati Ranjan Dash, Niroj Kumar Pani	CSE	IJITEE	2019	2278-3075	<a href="https://www.ijitee.org/">https://www.ijitee.org/</a>	DOI: 10.35940/ijitee.J9926.0881019		Scopus	
168	An Algorithmic Approach Based on CMS Edge Detection Technique for the Processing of Digital Images	K.K.Jena, S. Mishra, and S.N. Mishra	CSE	Examining Fractal Image Processing and Analysis, Advances in Computational Intelligence and Robotics, IGI-GLOBAL	2019	ISSN: 2327-0411, ISBN: 9781799800668	<a href="http://Examining Fractal Image Processing and Analysis: 9781799800668: Computer Science &amp; IT Books   IGI Global (igi-global.com)">Examining Fractal Image Processing and Analysis: 9781799800668: Computer Science &amp; IT Books   IGI Global (igi-global.com)</a>	DOI: 10.4018/978-1-7998-0066-8.ch013		Scopus	
169	An Algorithmic Approach for Fractal Images Processing", Examining Fractal Image Processing and Analysis	K.K.Jena, S. Mishra, and S.N. Mishra	CSE	Advances in Computational Intelligence and Robotics, IGI-GLOBAL	2019	ISSN: 2327-0411, ISBN: 9781799800668	<a href="http://Examining Fractal Image Processing and Analysis: 9781799800668: Computer Science &amp; IT Books   IGI Global (igi-global.com)">Examining Fractal Image Processing and Analysis: 9781799800668: Computer Science &amp; IT Books   IGI Global (igi-global.com)</a>	DOI: 10.4018/978-1-7998-0066-8.ch013		Scopus	
170	An Analysis of Performance of Multidimensional Stock Exchange Data using k-means Clustering	Susanta Kumar Sahoo, Sasmita Mishra, Dillip kumar Swain	CSE	Thinkindia Journal	2019	0971-1260	<a href="http://An Analysis of Performance of Multidimensional Stock Exchange Data using k-means Clustering   Think India Journal (thinkindiaquarterly.org)">An Analysis of Performance of Multidimensional Stock Exchange Data using k-means Clustering   Think India Journal (thinkindiaquarterly.org)</a>	NA		Scopus	

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
171	An Analysis of Performance of Multidimensional Stock Exchange Data using k-means Clustering	Susanta Kumar Sahoo, Sasmita Mishra, Dillip Kumar Swain	CSE	Thinkindia Journal	2019	0971-1260	<a href="#">An Analysis of Performance of Multidimensional Stock Exchange Data using k-means Clustering   Think India Journal (thinkindiaquarterly.org)</a>	NA		Scopus	
172	An Analysis of Performance of Multidimensional Stock Exchange Data using k-means Clustering	Susanta Kumar Sahoo, Sasmita Mishra, Dillip Kumar Swain	CSE	Thinkindia Journal	2019	0971-1260	<a href="#">An Analysis of Performance of Multidimensional Stock Exchange Data using k-means Clustering   Think India Journal (thinkindiaquarterly.org)</a>	NA		Scopus	
173	An edge based Steganographic approach using a two level security scheme for digital image processing and analysis	K.K.Jena, S. Mishra, S. N. Mishra and S.K. Bhoi	CSE	International Journal on Emerging Technologies	2019	2249-3255	<a href="#">International Journal on Emerging Technologies   Research Trend</a>	NA		Scopus	
174	An edge based Steganographic approach using a two level security scheme for digital image processing and analysis	K.K.Jena, S. Mishra, S. N. Mishra and S.K. Bhoi	CSE	International Journal on Emerging Technologies	2019	ISSN: 2249-3255, vol. 10, no. 2	<a href="#">International Journal on Emerging Technologies   Research Trend</a>	NA		Scopus	
175	Efficient Load balancing in Cloud computing using Fuzzy Logic	Srinivas Sethi, Anupama Sahu, Suwendu Kumar Jena	CSE	IOSR journal of Engineering	2019	2250-3021	<a href="#">IOSR Journal (iosrjournals.org)</a>	<a href="http://dx.doi.org/10.9790/3021-02716571">http://dx.doi.org/10.9790/3021-02716571</a>	UGC Care		
176	Efficient Load balancing in Cloud computing using Fuzzy Logic	Srinivas Sethi, Anupama Sahu, Suwendu Kumar Jena	CSE	IOSR journal of Engineering	2019	2250-3021	<a href="#">IOSR Journal (iosrjournals.org)</a>	<a href="http://dx.doi.org/10.9790/3021-02716571">http://dx.doi.org/10.9790/3021-02716571</a>	UGC Care		
177	Efficient Load balancing in Cloud computing using Fuzzy Logic	Srinivas Sethi, Anupama Sahu, Suwendu Kumar Jena	CSE	IOSR journal of Engineering	2019	2250-3021	<a href="#">IOSR Journal (iosrjournals.org)</a>	<a href="http://dx.doi.org/10.9790/3021-02716571">http://dx.doi.org/10.9790/3021-02716571</a>	UGC Care		
178	Performance Analysis of SCTP for Multiple Parallel Streams	Sangram Keshari Nayak, Sarojananda Mishra, Manoranjan Dash.	CSE	International Journal of Recent Technology and Engineering.	2019	2277-3878	<a href="#">Home - International Journal of Recent Te</a>	DOI:10.35940/ijrte.D9773.118419		Scopus	
179	Performance Analysis of SCTP for Multiple Parallel Streams	Sangram Keshari Nayak, Sarojananda Mishra, Manoranjan Dash.	CSE	International Journal of Recent Technology and Engineering.	2019	2277-3878	<a href="#">Home - International Journal of Recent Te</a>	DOI:10.35940/ijrte.D9773.118419		Scopus	
180	Two-Phase Security Framework for Network Layer Communication in Ad Hoc Clouds	Niroj Kumar Pani, Satyasundara Mahapatra, and Rati Ranjan Dash	CSE	IJITEE	2019	2278-3075	<a href="https://www.ijitee.org/">https://www.ijitee.org/</a>	DOI: 10.35940/ijitee.J1134.0881019		Scopus	
181	A Fault-Tolerant Switching-Table-Based DTC for Five-Phase Induction Motor	Bibhu Prasad Panigrahi, Umakanta Mahanta, Anup Kumar Panda	EE	Journal of The Institution of Engineers (India): Series B	2019	2250-2106	<a href="#">Home   Journal of The Institution of Engin</a>	<a href="https://doi.org/10.1007/s40031-019-00385-0">https://doi.org/10.1007/s40031-019-00385-0</a>		Scopus	
182	A Fault-Tolerant Switching-Table-Based DTC for Five-Phase Induction Motor	Bibhu Prasad Panigrahi, Umakanta Mahanta, Anup Kumar Panda	EE	Journal of The Institution of Engineers (India): Series B	2019	2250-2106	<a href="#">Home   Journal of The Institution of Engin</a>	<a href="https://doi.org/10.1007/s40031-019-00385-0">https://doi.org/10.1007/s40031-019-00385-0</a>		Scopus	
183	A modified circuit for symmetric and asymmetric multilevel inverter with reduced components count	Kishor Thakre, Kanungo Barada Mohanty, Aditi Chatterjee, Vinaya Sagar Kommukuri	EE	International Transactions on Electrical Energy Systems	2019	2050-7038	<a href="https://onlinelibrary.wiley.com/">https://onlinelibrary.wiley.com/</a>	<a href="https://doi.org/10.1002/2050-7038.12011">https://doi.org/10.1002/2050-7038.12011</a>		Scopus	Web of Science
184	A robust H sliding mode control design for wind integrated interconnected power system with time delay and actuator saturation	Subrat Kumar pradhan	EE	Sustainable energy, grid and networks	2019		<a href="#">Sustainable Energy, Grids and Networks   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.segan.2020.100370">https://doi.org/10.1016/j.segan.2020.100370</a>		Scopus	Web of Science
185	Bio-Medical Image Denoising using Wavelet Transform	LM Satapathy, P Das, A Shatapathy, AK Patel	EE	International Journal of Recent Technology and Engineering	2019	2277-3878	<a href="https://www.ijrte.org/">https://www.ijrte.org/</a>	<a href="https://doi.org/10.35940/ijrte.2277-3878">https://doi.org/10.35940/ijrte.2277-3878</a>		Scopus	
186	Design And Simulation Of A New Soft-Switching Buck-Boost Converter	Siddhartha Behera, Brijesh Kumar, Bibhu Prasad Panigrahi	EE	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	2019	2277-8616	<a href="https://ieeexplore.ieee.org/">https://ieeexplore.ieee.org/</a>	<a href="https://doi.org/10.1109/ICPEE54198.2023.10060126">https://doi.org/10.1109/ICPEE54198.2023.10060126</a>		scopus	Web of science

**3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years**

Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
187	Design And Simulation Of A New Soft-Switching Buck-Boost Converter	Siddhartha Behera, Brijesh Kumar, Bibhu Prasad Panigrahi	EE	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	2019	2277-8616	<a href="http://ijstr.org">ijstr.org</a>	DOI: 10.1109/ICETECT.2011.5760145		scopus	
188	Developments in 5G technology and its evolution	DPP, Brijesh Kumar	EE	International journal of research and analytical review	2019	2349-5138	<a href="http://www.ijrar.org">www.ijrar.org</a>	<a href="http://www.ijrar.org/viewfull.php?&amp;p_id=IJRAR19J3712">http://www.ijrar.org/viewfull.php?&amp;p_id=IJRAR19J3712</a>	UGC Care		
189	Electric Vehicles Management Enabling G2V & V2G in Smart Distribution System for Maximizing Profits using MOMVO	Chinmay Kumar Nayak	EE	International Transactions on Electrical Energy Systems	2019	2050-7038	<a href="https://www.researchgate.net/journal/International-Transactions-on-Electrical-Energy-Systems-2050-7038">https://www.researchgate.net/journal/International-Transactions-on-Electrical-Energy-Systems-2050-7038</a>	<a href="https://doi.org/10.1002/2050-7038.12013">https://doi.org/10.1002/2050-7038.12013</a>		scopus	Web of science
190	Frequency Estimation Approach using Least Mean Square Filter: Algorithm Based	Bibhu Prasad Ganthia	EE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	<a href="https://www.ijitee.org/">https://www.ijitee.org/</a>	DOI: 10.35940/ijitee.K1415.0981119		Scopus	
191	Frequency Estimation of Distorted Signal using Recursive Least Square Filter	Bibhu Prasad Ganthia	EE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	<a href="https://www.ijitee.org/">https://www.ijitee.org/</a>	DOI: 10.35940/ijitee.J1173.0981119		Scopus	
192	Genetic Algorithm based Direct Torque Control of VSI fed Induction Motor Drive using MATLAB Simulation	Bibhu Prasad Ganthia	EE	International Journal of Advanced Trends in Computer Science and Engineering	2019	2279 – 3091	<a href="https://www.researchgate.net/">https://www.researchgate.net/</a>	DOI:10.30534/ijatcse/2019/76852019		Scopus	
193	Micro-Grid Design and Protection System under Several Fault Conditions	Bibhu Prasad Ganthia	EE	International Journal of Engineering and Advanced Technology	2019	2249-8958	<a href="https://www.researchgate.net/">https://www.researchgate.net/</a>	DOI: 10.35940/ijeat.F8051.088619		Scopus	
194	Minimization of input ripple current for soft-switching buck-boost converter	RKB Siddhartha Behera, Brijesh Kumar	EE	International journal of engineering and advanced technology	2019	2249-8958	<a href="https://www.ijeat.org/">https://www.ijeat.org/</a>	DOI: 10.35940/ijeat.B3524.129219		Scopus	
195	Minimization of input ripple current for soft-switching buck-boost converter	RKB Siddhartha Behera, Brijesh Kumar	EE	International journal of engineering and advanced technology	2019	2249-8958	<a href="https://www.ijeat.org/">https://www.ijeat.org/</a>	DOI: 10.35940/ijeat.B3524.129219		Scopus	
196	Optimization of Switching Loss of a DC-DC Boost Converter	Sunila Kumar Swain, Rabindra Behera, Sribatsa Behera	EE	International Journal of Recent Technology and Engineering (IJRTE)	2019	2277-3878	<a href="https://www.ijrte.org/">https://www.ijrte.org/</a>	<a href="https://doi.org/10.35940/ijrte.2277-3878">https://doi.org/10.35940/ijrte.2277-3878</a>		Scopus	
197	Performance analysis of Switching Table based DTC for 5-phase Induction Motor with 3-level Inverter	Umakanta Mahanta, Bibhu Prasad Panigrahi, Anup Kumar Panda	EE	Journal of The Institution of Engineers (India): Series B	2019	2250-2106	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/s40031-019-00415">https://doi.org/10.1007/s40031-019-00415</a>		scopus	Web of science
198	Performance analysis of Switching Table based DTC for 5-phase Induction Motor with 3-level Inverter	Umakanta Mahanta, Bibhu Prasad Panigrahi, Anup Kumar Panda	EE	Journal of The Institution of Engineers (India): Series B	2019	2250-2106	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/s40031-019-00415">https://doi.org/10.1007/s40031-019-00415</a>		scopus	
199	PV/BESS to support electric vehicle charging station integration in a capacity constrained power distribution grid using MCTLBO	Chinmay Kumar Nayak	EE	Scientia Iranica	2019	2345-3605	<a href="https://scientiairanica.sharif.edu/">https://scientiairanica.sharif.edu/</a>	<a href="https://doi.org/10.24200/sci.2020.5128.1112">https://doi.org/10.24200/sci.2020.5128.1112</a>		scopus	
200	Reduction in components using modified topology for asymmetrical multilevel inverter	Kanungo Barada Mohanty, Kishor Thakre, Aditi Chatterjee, Ashwini Kumar Nayak, Vinaya Sagar Kommukuri	EE	World Journal of Engineering	2019	1708-5284	<a href="https://www.emerald.com/insight/">https://www.emerald.com/insight/</a>	<a href="https://doi.org/10.1108/WJE-01-2017-0010">https://doi.org/10.1108/WJE-01-2017-0010</a>		Scopus	
201	Solving Dynamic Economic Emission Dispatch Problem with Uncertainty of Wind and Load Using Whale Optimization Algorithm	Samita Padhi Padhi, Bibhu Prasad Panigrahi, Debaprasad Dash	EE	Journal of The Institution of Engineers (India): Series B	2019	2250-2106	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/s40031-020-00435-y">https://doi.org/10.1007/s40031-020-00435-y</a>		Scopus	Web of Science
202	Steady-State and Dynamic Comparative Analysis of PI and Fuzzy Logic Controller in Stator Voltage Oriented Controlled DFIG Fed Wind Energy Conversion System	Bibhu Prasad Ganthia	EE	Journal of The Institution of Engineers (India): Series B volume	2019	2250-2106	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/s40031-020-00455-8">https://doi.org/10.1007/s40031-020-00455-8</a>		Scopus	Web of Science

**3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years**

Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
203	Studies on Direct Torque Control-Based Speed Control of Three-Phase Squirrel-Cage Induction Motor	Pradeep Ranjan Tripathy, Bibhu Prasad Panigrahi	EE	Journal of The Institution of Engineers (India): Series B	2019	2250-2106	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/s40031-019-00379-y">https://doi.org/10.1007/s40031-019-00379-y</a>		scopus	Web of science
204	Synchronization of Voltage Stability in AVR-PSS using Fuzzy Logic Controller	Bibhu Prasad Ganthia	EE	International Journal of Advanced Trends in Computer Science and Engineering	2019	2278 – 3091	<a href="https://www.researchgate.net/">https://www.researchgate.net/</a>	<a href="https://doi.org/10.30534/ijatce/2019/98852019">https://doi.org/10.30534/ijatce/2019/98852019</a>		Scopus	
205	Transient Analysis of Grid Integrated Stator Voltage Oriented Controlled Type-III DFIG driven Wind Turbine Energy System	Bibhu Prasad Ganthia	EE	Journal of Mechanics of Continua and Mathematical Sciences (JMCMMS)	2019	2454-7190	<a href="https://www.journalmcmms.org/">https://www.journalmcmms.org/</a>	<a href="https://doi.org/10.26782/jmcmms.2020.06.00012">https://doi.org/10.26782/jmcmms.2020.06.00012</a>		Scopus	
206	Voltage Quality Improvement using a Series Connected Photovoltaic Distributed Generator System	Bibhu Prasad Ganthia	EE	International Journal of Advanced Trends in Computer Science and Engineering	2019	2278 – 3091	<a href="https://www.warse.org/IJATCSE/">https://www.warse.org/IJATCSE/</a>	DOI:10.30534/ijatce/2019/104852019		Scopus	
207	Voltage Quality Improvement using a Series Connected Photovoltaic Distributed Generator System	Bibhu Prasad Ganthia	EE	International Journal of Advanced Trends in Computer Science and Engineering	2019	2278 – 3091	<a href="https://www.warse.org/IJATCSE/">https://www.warse.org/IJATCSE/</a>	DOI:10.30534/ijatce/2019/104852019		Scopus	
208	An analytical modelling and performance analysis of graded work function gate recessed channel SOI-MOSFET	Sikha Mishra, Urmila Bhanja, Guru Prasad Mishra	ETC	Nano science and Nanotechnology-Asia, Bentham Publisher	2019	2210-6812	<a href="#">Journal - Nanoscience &amp; Nanotechnology-Asia   Bentham Science</a>	10.2174/2210681208666180820151121		Scopus	
209	Analysis of the effects of diversity on mobile wireless networks in a Nakagami fading channel	Manoranjan Das, Benudhar Sahu, Urmila Bhanja	ETC	Physical Communication	2019		Physical Communication   Journal   ScienceDirect	<a href="https://doi.org/10.1016/j.phycom.2020.101031">https://doi.org/10.1016/j.phycom.2020.101031</a>			Web of Science
210	Coded Phase Gradient Meta surface Antenna Design for X Band Radar,	M. Nayak, K. D. Sa, D. Dash	ETC	International Journal of Computer Sciences and Engineering	2019	2347-2693	<a href="#">A UGC Approved (till June 2019) and Indexed with ICI, DOI, Research Gate, Google Scholar, DPI Digital Library     Engineering UGC approved journal     computer science UGC approved journal     computer science and engineering UGC approved journal (ijcseonline.org)</a>	10.26438/ijcse/v7i6.695703		UGC Care	
211	Coded Phase Gradient Metasurface Antenna Design for X- Band Radar	Monalisa Nayak, Devika Jena, Kodanda Dhar Sa, Dillip Dash	ETC	International Journal of Computer Sciences and Engineering	2019	2347-2693	<a href="#">A UGC Approved (till June 2019) and Indexed with ICI, DOI, Research Gate, Google Scholar, DPI Digital Library     Engineering UGC approved journal     computer science UGC approved journal     computer science and engineering UGC approved journal (ijcseonline.org)</a>	<a href="https://doi.org/10.26438/ijcse/v7i6.695703">https://doi.org/10.26438/ijcse/v7i6.695703</a>		UGC Care	
212	Coded Phase Gradient Metasurface Antenna Design for X- Band Radar	Monalisa Nayak, Devika Jena, Kodanda Dhar Sa, Dillip Dash	ETC	International Journal of Computer Sciences and Engineering	2019	2347-2693	<a href="#">A UGC Approved (till June 2019) and Indexed with ICI, DOI, Research Gate, Google Scholar, DPI Digital Library     Engineering UGC approved journal     computer science UGC approved journal     computer science and engineering UGC approved journal (ijcseonline.org)</a>	<a href="https://doi.org/10.26438/ijcse/v7i6.695703">https://doi.org/10.26438/ijcse/v7i6.695703</a>		UGC Care	
213	DEVELOPMENTS IN 5G TECHNOLOGY AND ITS EVOLUTION	DEBAPRIYA PARIDA	ETC	International Journal of Research and Analytical Reviews	2019	E-ISSN 2348-1269	<a href="http://www.ijrar.org">www.ijrar.org</a>	<a href="http://www.ijrar.org/viewfull.php?&amp;p_id=IJRAR19J3712">http://www.ijrar.org/viewfull.php?&amp;p_id=IJRAR19J3712</a>		UGC Care	
214	Electrostatic and radio frequency performance investigation of $\delta$ -doped In <sub>0.53</sub> Ga <sub>0.47</sub> As/InP stepped poly gate metal oxide semiconductor field effect transistor	Soumya S Mohanty, Urmila Bhanja, G P Mishra	ETC	Journal of Micromechanics and Microengineering	2019	1555-130X (Print) 1555-1318 (Online)	Journal of Micromechanics and Microengineering	10.1088/1361-6439/ab2170		scopus	
215	Enhancement of 128-bits data security through steganography and cryptography techniques	Gyana Ranjan Samal, Paresh Kumar Pasayat	ETC	IRJET	2019	2395-0056	IRJET- International Research Journal of Engineering and Technology	<a href="#">IRJET-V6I1235.pdf</a>		UGC Care	
216	Filtrennas for wireless application: A review	Soumya Ranjan Mishra, Sheeja K.L	ETC	Int J RF Microw Comput Aided Eng.	2019	1099-047X	International Journal of RF and Microwave	<a href="https://doi.org/10.1002/mmce.21879">https://doi.org/10.1002/mmce.21879</a>		scopus	

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
217	Impact of structural parameters on DC performance of recessed channel SOI-MOSFET	Sikha Mishra, Urmila Bhanja, Guru Prasad Mishra	ETC	International Journal of Nanoparticles	2019	1753-2515 (Online) 1753-2507 (Print)	<a href="#">International Journal of Nanoparticles (IJN)</a>	10.1504/IJNP.2019.099184		scopus	
218	Impact of Underlap Engineering on Stepped Poly Gate In0.53Ga0.47As/InP Heterostructure Metal Oxide Semiconductor Field Effect Transistor for Better Analog Performance.	S S Mohanty, Urmila Bhanja , G P Mishra	ETC	<a href="#">Journal of Nanoelectronics and Optoelectronics</a>	2019	2278-0181	<a href="#">Journal of Nanoelectronics and Optoelectronics: Ingenta Connect Publication</a>	10.1166/jno.2019.2574		scopus	
219	Integration of Multiple-Mode Subcarrier Index Modulation with OFDM	Chinmayee Panda, U Bhanja	ETC	International Journal of Engineering Research & Technology (IJERT)	2019	1064-1246 (Print) 1875-8967 (electronic)	<a href="#">IJERT – International Journal of Engineering Research &amp; Technology</a>	<a href="#">Integration of Multiple-Mode Subcarrier Index Modulation with OFDM (ijert.org)</a>		scopus	
220	Novel Encryption technique for security enhancement in optical code division multiple access	U. Bhanja, S. Singhdeo	ETC	Photonic Network Communications	2019		<a href="#">Home   Photonic Network Communications (springer.com)</a>	<a href="#">doi.org/10.1007/s11107-020-00883-y</a>		scopus	Web of Science
221	Obstacle and Mobility Aware Optimal Routing for MANET	Banoj K Panda, Urmila Bhanja, Prasant K Pattnaik	ETC	Journal of Intelligent and Fuzzy Systems, IOS Press	2019	2502-4752	<a href="#">Journal of Intelligent &amp; Fuzzy Systems   IGI Global</a>	10.3233/JIFS-181917		scopus	
222	LRS Bianchi type-V perfect fluid cosmological model in f(R, T) theory	A.Nath,S.K.Sahu	Mathematics	Canadian Journal of Physics	2019			<a href="#">https://doi.org/10.1039/cjp-2018-0061</a>			
223	Reconstruction of f(R,T)=g(R)+g(T) gravity in presence of bulk viscous fluid	S.K.Sahu,Binaya Ku. Bishi	Mathematics	JETIR	2019		<a href="#">Journal JETIR follow UGC CARE List, UGC-C</a>	<a href="#">https://doi.org/10.6084/M9.jetir.JETIRDY06084</a>	UGC Care	scopus	
224	Reconstruction of f(R,T)=R+ $\lambda$ T gravity in presence of bulk viscous fluid	S.K.Sahu,Binaya Ku. Bishi	Mathematics	JETIR	2019		<a href="#">Journal JETIR follow UGC CARE List, UGC-C</a>	<a href="#">https://doi.org/10.6084/M9.jetir.JETIRDY06083</a>		scopus	
225	An effective track designing approach for a mobile robot	Suvranshu Pattanayak, Bibhuti Bhusan Choudhury, Soubhagya Chandra Sahoo, Subham Agarwal	Mechanical	International Journal of Natural Computing Research (IJNCR)	2019		<a href="#">International Journal of Natural Computing Research (IJNCR): 1947-928X, 1947-9298: Computer Science &amp; IT Journals   IGI Global (igi-global.com)</a>	DOI: 10.4018/IJNCR.2019070102		scopus	
226	Inverse kinematic solution of 6-DOF industrial robot using nero-fuzzy technology	Kshitish Kumar Dash, Bibhuti B Choudhury, Sukanta K Senapati	Mechanical	International Journal of Computational Systems Engineering	2019	2046-3391	<a href="#">International Journal of Computational Systems Engineering (IJCSysE) Inderscience Publishers – linking academia, business and industry through research</a>	<a href="#">https://doi.org/10.26782/jmcmcs.2020.06.00019</a>		Scopus	
227	Inverse kinematic solution of 6-DOF industrial robot using nero-fuzzy technology	Kshitish Kumar Dash, Bibhuti B Choudhury, Sukanta K Senapati	Mechanical	International Journal of Computational Systems Engineering	2019	2046-3391	<a href="#">International Journal of Computational Systems Engineering (IJCSysE) Inderscience Publishers – linking academia, business and industry through research</a>	<a href="#">https://doi.org/10.26782/jmcmcs.2020.06.00019</a>		Scopus	
228	FPGA Implementation of Modified Swarm Optimization Based Control Strategy for a Mobile Robot	Sandipan Pine, BB Choudhury	Mechanical	<a href="#">Applications of Robotics in Industry Using Advanced Mechanisms</a>	2019		<a href="#">Learning and Analytics in Intelligent Systems - Applications of Robotics in Industry Using Advanced Mechanisms   ScienceGate</a>	<a href="#">https://doi.org/10.1007/978-3-030-30271-9_26</a>			
229	Howard's algorithm for high-order approximations of American options under jump-diffusion models	Nawdha Thakoor, Dhiren Kumar Behera, Désiré Yannick Tangman, Muddun Bhuruth	Mechanical	<a href="#">International Journal of Data Science and Analytics</a>	2019		<a href="#">Home   International Journal of Data Science and Analytics (springer.com)</a>	<a href="#">https://doi.org/10.1007/s41060-018-00173-x</a>		Scopus	
230	Mechanism for improvement of friction /wear by using Al2O3 and SiO2-gear oil nanolubricants	Kotia, A., Ghosh, G.K., Srivastava, I., Deval, P., Ghosh, S.K	Mechanical	Journal of Alloys and Compounds	2019		<a href="#">Journal of Alloys and Compounds   ScienceDirect</a>	<a href="#">https://doi.org/10.1016/j.jallcom.2018.12.215</a>		Scopus	Web of Science
231	Modified crash-minimization path designing approach for autonomous material handling robot	Suvranshu Pattanayak, Bibhuti Bhusan Choudhury	Mechanical	Evolutionary Intelligence	2019		<a href="#">Home   Evolutionary Intelligence (springer.com)</a>	<a href="#">https://doi.org/10.1007/s12065-019-00247-0</a>		Scopus	
232	Optimization of emission characteristics of spark ignition engine with chambered straight muffler running in methanol blend: An engine development technique for environmental sustainability	A. Gupta, P.C. Mishra	Mechanical	Journal of Cleaner Production	2019		<a href="#">Journal of Cleaner Production   ScienceDirect</a>	<a href="#">https://doi.org/10.1016/j.jclepro.2019.117778</a>		Scopus	Web of Science

**3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years**

Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
233	Path optimization for navigation of a humanoid robot using hybridized fuzzy-genetic algorithm	Rath, A. K., Parhi, D. R., Das, H. C., Kumar, P. B., Muni, M. K., & Salony, K	Mechanical	International Journal of Intelligent Unmanned Systems	2019		<a href="#">International Journal of Intelligent Unmanned Systems   Emerald Insight</a>	<a href="https://doi.org/10.1108/IJUS-11-2018-0032">https://doi.org/10.1108/IJUS-11-2018-0032</a>		Scopus	
234	<a href="#">SCCN: a time-effective hierarchical interconnection network for network-on-Chip</a>	Mohammed NM Ali, MM Hafizur Rahman, Rizal Mohd Nor, Dhiren K Behera, Tengku Mohd Tengku Sembok, Yasuyuki Miura, Yasushi Inoguchi	Mechanical	<a href="#">Mobile Networks and Applications</a>	2019		<a href="#">Home   Mobile Networks and Application</a>	<a href="https://doi.org/10.1007/s11036-019-01262-2">https://doi.org/10.1007/s11036-019-01262-2</a>		Scopus	Web of Science
235	<a href="#">The connectivity and the static-cost-effective analysis of a shifted completely connected network</a>	Mohammed NM Ali, MM Hafizur Rahman, Adamu Abubakar Ibrahim, Dhiren K Behera, Yasushi Inoguchi	Mechanical	International Journal of Computational Intelligence Studies	2019	1755-4985	<a href="http://inderscience.com/jhome.php?jcode=ijcist">inderscience.com/jhome.php?jcode=ijcist</a>	<a href="https://doi.org/10.1504/IJCISTUDIES.2019.098021">https://doi.org/10.1504/IJCISTUDIES.2019.098021</a>		Scopus	
236	<a href="#">Trajectory planning of an autonomous mobile robot</a>	Suvranshu Pattanayak, Bibhuti Bhusan Choudhury	Mechanical	International Journal of Swarm Intelligence	2019	2049-4041	<a href="#">International Journal of Swarm Intelligence</a>	<a href="https://doi.org/10.1504/IJSI.2019.104086">https://doi.org/10.1504/IJSI.2019.104086</a>		Scopus	
237	Vibration Signature Analysis & condition monitoring of Tapered Roller Bearing	Manoranjan Mahanta, Rabi Narayan Sethi	Mechanical	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT)	2019	2278-0181	<a href="#">IJERT – International Journal of Engineering Research &amp; Technology</a>			Scopus	
238	"Nanoindentation Analysis of Multi Stage Spark Plasma Sintered Hydroxyapatite-Calcium Titanate Biocomposite"	Prafulla Kumar Mallik , Kantesh Balani , Bikramjit Basu	MME	International Journal of Engineering Sciences	2019		<a href="#">International Journal of Engineering Sciences</a>	<a href="https://doi.org/10.36224/ijes.120102">https://doi.org/10.36224/ijes.120102</a>		Scopus	
239	A Literature Review on Al-Si-TiB2 Insitu Metal Matrix Composites	S.K. Sahoo, S.C.Mishra, B. Sarangi, S.C. Patnaik, J. Majhi	MME	Journal of Materials & Metallurgical Engineering.	2019	2231-3818	<a href="#">Journal of Material &amp; Metallurgical Engineering</a>	<a href="https://doi.org/10.37591/jomme.v9i2.2484">https://doi.org/10.37591/jomme.v9i2.2484</a>	UGC Care		
240	A Literature Review on Al-Si-TiB2 Insitu Metal Matrix Composites	S.K. Sahoo, S.C.Mishra, B. Sarangi, S.C. Patnaik, J. Majhi	MME	Journal of Materials & Metallurgical Engineering.	2019	2231-3818	<a href="#">Journal of Material &amp; Metallurgical Engineering</a>	<a href="https://doi.org/10.37591/jomme.v9i2.2484">https://doi.org/10.37591/jomme.v9i2.2484</a>	UGC Care		
241	A Literature Review on Al-Si-TiB2 Insitu Metal Matrix Composites	S.K. Sahoo, S.C.Mishra, B. Sarangi, S.C. Patnaik, J. Majhi	MME	Journal of Materials & Metallurgical Engineering.	2019	2231-3818	<a href="#">Journal of Material &amp; Metallurgical Engineering</a>	<a href="https://doi.org/10.37591/jomme.v9i2.2484">https://doi.org/10.37591/jomme.v9i2.2484</a>	UGC Care		
242	A Literature Review on Al-Si-TiB2 Insitu Metal Matrix Composites	S.K. Sahoo, S.C.Mishra, B. Sarangi, S.C. Patnaik, J. Majhi	MME	Journal of Materials & Metallurgical Engineering.	2019	2231-3818	<a href="#">Journal of Material &amp; Metallurgical Engineering</a>	<a href="https://doi.org/10.37591/jomme.v9i2.2484">https://doi.org/10.37591/jomme.v9i2.2484</a>	UGC Care		
243	Analysis of creep deformation and damage behaviour of 304HCu austenitic stainless steel	Kanhu Charan Sahoo, S. Goyal, V. Ganesan, J. Vanaja, G. V. Prasad Reddy, P. Parameswaran & K. Laha	MME	Materials at High Temperature,	2019	vol. 36, pp. 388-403, March 2019	<a href="#">Materials at High Temperatures   Taylor &amp;</a>	<a href="https://doi.org/10.1080/09603409.2019.1586094">https://doi.org/10.1080/09603409.2019.1586094</a>		Scopus	
244	Effect of forging on microstructure, mechanical properties and Acoustic Emission characteristics of Al alloy	Amulya Bihari Pattnaik, Satyabrata Das & Bharat Bhushan Jha	MME	Journal of Material Engineering and Performance	2019	volume 28, pages 2779–2787 (2019)	<a href="#">Home   Journal of Materials Engineering &amp;</a>	<a href="https://ui.adsabs.harvard.edu/link_gateway/2019JMEP...28.2779P/doi:10.1007/s11665-019-04094-z">https://ui.adsabs.harvard.edu/link_gateway/2019JMEP...28.2779P/doi:10.1007/s11665-019-04094-z</a>		Scopus	Web of Science
245	Influence of temperature on multiaxial creep behaviour of 304HCu austenitic stainless steel	Kanhu Charan Sahoo, V. D. Vijayanand, Sunil Goyal, P. Parameswaranand K. Laha	MME	Materials Science and Technology	2019	(2019)vol. 35, pp. 2181-2199.	<a href="#">Materials Science and Technology   Taylor</a>	<a href="https://doi.org/10.1080/02670836.2019.1664707">https://doi.org/10.1080/02670836.2019.1664707</a> CrossMark Logo CrossMark		Scopus	
246	Optimization of dry sliding wear behaviour of AA6061 (as cast) and AA6061(HT) Aluminium alloy using design of experiment approach	AB Pattnaik, B Dash, U Nanda, SC Patnaik	MME	Journal of Material and Metallurgical Engineering	2019	2231-3818	<a href="#">Journal of Material &amp; Metallurgical Engineering (stmjournals.in)</a>	<a href="#">(2) (PDF) Optimization of Dry Sliding Wear</a>	UGC Care		
247	Optimization of dry sliding wear behaviour of AA6061 (as cast) and AA6061(HT) Aluminium alloy using design of experiment approach	AB Pattnaik, B Dash, U Nanda, SC Patnaik	MME	Journal of Material and Metallurgical Engineering	2019	2231-3818	<a href="#">Journal of Material &amp; Metallurgical Engineering (stmjournals.in)</a>	<a href="#">(2) (PDF) Optimization of Dry Sliding Wear</a>	UGC Care		

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
248	Recipe for improving the impact toughness of high-strength pearlitic steel by controlling the cleavage cracking mechanisms	Swarnalata Behera, Rakesh Kumar Barik, Md Basiruddin Sk, Rahul Mitra, Debalay Chakrabarti	MME	Materials Science & Engineering A	2019	764(2019) 138256	<a href="#">Materials Science and Engineering: A   Jo</a>	<a href="https://doi.org/10.1016/j.msea.2019.138256">https://doi.org/10.1016/j.msea.2019.138256</a>		Scopus	Web of Science
249	Axially magnetized dark energy cosmological model	B. Mishra, P P Ray, S K Tripathy, K Bamba	Physics	Modern Physics Letters A	2019	0217-7323	<a href="#">Modern Physics Letters A (worldscientific</a>	<a href="https://doi.org/10.1142/S0217732319502171">https://doi.org/10.1142/S0217732319502171</a>		Scopus	
250	Bouncing Cosmology in an Extended Theory of Gravity	S K Tripathy, R K Khuntia and P Parida	Physics	European Physics Journal Plus	2019	2190-5444	<a href="#">Home   The European Physical Journal Plu</a>	<a href="https://doi.org/10.48550/arXiv.1905.09477">https://doi.org/10.48550/arXiv.1905.09477</a>		Scopus	Web of Science
251	Dynamics of Anisotropic dark energy universe embedded in one directional magnetized fluid	P P Ray, B Mishra and S K Tripathy	Physics	Int. J. Mod. Phys. D	2019	0218-2718	<a href="#">International Journal of Modern Physics D</a>	<a href="https://doi.org/10.1142/S0218271819500937">https://doi.org/10.1142/S0218271819500937</a>		Scopus	
252	In-plane magnetic penetration depth in FeSe <sub>1-x</sub> S <sub>x</sub> (x=0, 0.04, 0.09) and FeTe <sub>1-x</sub> Sex (x=0.40) single crystals	G. Purohit, Anup Pattanaik, P. Nayak	Physics	Phase Transition	2019	0141-1594	<a href="#">Phase Transitions   Taylor &amp; Francis Online</a>	DOI: 10.1080/01411594.2019.1569235		Scopus	
253	Magnetic Field Dependence of Heat Capacity in Single Crystal BaKFe <sub>2</sub> As <sub>2</sub> Superconductor	G. Purohit, Anup Pattanaik, P. Nayak	Physics	Orissa Journal of Physics	2019	0974-8202	<a href="#">Orissa Journal of Physics – Centre for Academic and Social Advancements (casa-acharya.com)</a>	<a href="#">26_1_9_FP.pdf (casa-acharya.com)</a>			
254	A method to perform float and sink test for separation of coal samples of various densities and determination of Probable error and imperfection	S. Pradhan, S. Mohanta	Chemical Engg.	IOP SciNotes	2020		<a href="#">IOP SciNotes - IOPscience</a>	DOI 10.1088/2633-1357/abaf36		Scopus	Web of Science
255	Aqueous phase phenol removal from synthetic and real steel plant effluents through a batch and semifluidized bed column operation: Experimental and model analysis	Subrat Biswas, Ipsita Dipamitra Behera,	Chemical Engg.	Journal of Environmental chemical engineering	2020	2213-3437	<a href="#">Journal of Environmental Chemical Engine</a>	<a href="https://doi.org/10.1016/j.jece.2020.104441">https://doi.org/10.1016/j.jece.2020.104441</a>		Scopus	Web of Science
256	Effect of Limestone and Dolomite Flux on the Quality of Pellets using High LOI Iron Ore	Mr K Barik	Chemical Engg.	Powder Technology	2020		<a href="#">Powder Technology   Journal   ScienceDirect.com by Elsevier</a>	doi: 10.1016/j.powtec.2020.10.063		Scopus	Web of Science
257	Hydrodynamic study and particulate matter removal in a self priming venturi scrubber	Manisha bal, Ipsita Dipamitra Behera,	Chemical Engg.	Environmental technology and innovation	2020	2352-1864		<a href="https://ui.adsabs.harvard.edu/link_gateway/2020EnvTL..2001167B/doi:10.1016/j.eti.2020.101167">https://ui.adsabs.harvard.edu/link_gateway/2020EnvTL..2001167B/doi:10.1016/j.eti.2020.101167</a>		Scopus	
258	Impact of coal mining on airborne particles based on real-time data	Dr S Banerjee	Chemical Engg.	Pollut. Res.	2020	0257-8050	NA				
259	Optimization of Raceway parameters in iron making blast furnace for maximizing the pulverized coal injection (PCI) rate	Dr H Sutar , R. Murmu, P. Senapati	Chemical Engg.	Advances in chemical engineering and sciences	2020	2160-0406	<a href="#">Articles - ACES - Scientific Research Publish</a>	<a href="https://doi.org/10.4236/aces.2021.112009">https://doi.org/10.4236/aces.2021.112009</a>		Scopus	
260	Pyrolysis of waste lubricating oil/waste motor oil to generate high grade fuel oil: A comprehensive review	Asmita Mishra, Usha kumari, Ipsita dipamitra Behera,	Chemical Engg.	Renewable and sustainable energy reviews	2020	1364-0321	<a href="#">Renewable and Sustainable Energy Review</a>	<a href="https://doi.org/10.1016/j.rser.2021.111446">https://doi.org/10.1016/j.rser.2021.111446</a>		Scopus	Web of Science
261	The experimental and numerical investigation on the enhancement of stagnation and parallel zones of laminar jets	Mr K Barik	Chemical Engg.	Thermal Science and Engineering Progress	2020	2451-9049	<a href="#">Thermal Science and Engineering Progress</a>	<a href="https://doi.org/10.1016/j.tsep.2020.100649">https://doi.org/10.1016/j.tsep.2020.100649</a>		Scopus	Web of Science
262	Treatment of petroleum refinery sludge by petroleum degrading bacterium stentrophomonas pavanii IRB19 as an efficient novel technology	Ipsita Dipamitra Behera, Geetanjali Basak	Chemical Engg.	Journal of Environmental science and health	2020		<a href="#">Journal of Environmental Science and Hea</a>	<a href="https://doi.org/10.1080/10934529.2020.1866924">https://doi.org/10.1080/10934529.2020.1866924</a>		Scopus	
263	A review on the Dominant factors affecting silt erosion in hydro turbines	P. Senapati, H. Sutar	Chemical Engg.	International journal of emerging technologies	2020	0975-8364	<a href="#">International Journal on Emerging Technologies   Research Trend</a>	<a href="#">(2) (PDF) A Review on the Dominant Factors Affecting Silt Erosion in Hydro Turbines (researchgate.net)</a>		Scopus	
264	Effect of Additives Concentration on Pelletization of High Grade Hematite	Mr. Kashinath Barik	Chemical Engg.	Materials Today: Proceedings	2020		<a href="#">Materials Today: Proceedings   Journal   S</a>	<a href="https://doi.org/10.1016/j.matpr.2020.03.118">https://doi.org/10.1016/j.matpr.2020.03.118</a>		Scopus	Web of Science



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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus
265	Glass/Jute/Sisal Fiber Reinforced Hybrid Polypropylene Polymer Composites: Fabrication and Analysis of Mechanical and Water Absorption Properties	Mr. Anup Kumar Swain	Chemical Engg.	Materials Today: Proceedings	2020		<a href="https://doi.org/10.1016/j.matpr.2020.02.964">https://doi.org/10.1016/j.matpr.2020.02.964</a>		Scopus	Web of Science
266	Nutrient (sulphate) removal from wastewater in Inverse Fluidized Bed Biofilm Reactor	Mr. Anup Kumar Swain	Chemical Engg.	Materials Today: Proceedings	2020		<a href="https://doi.org/10.1016/j.matpr.2020.03.306">https://doi.org/10.1016/j.matpr.2020.03.306</a>		Scopus	Web of Science
267	Recovery of Valuable Materials from Bauxite Mining Waste for Industrial Application	Dr. Satyabrata Mohanta	Chemical Engg.	Materials Science Forum	2020		<a href="https://doi.org/10.4028/www.scientific.net/MSF.978.537">https://doi.org/10.4028/www.scientific.net/MSF.978.537</a>		Scopus	
268	Role of amine impregnated carbon in CO2 capture	Dr. Dipa Das	Chemical Engg.	Indian Chemical Engineer	2020		<a href="https://doi.org/10.1080/00194506.2020.1760150">https://doi.org/10.1080/00194506.2020.1760150</a>		Scopus	
269	Surface erosion behaviour over NiCrBSi-Al2O3 composite coatings	P. Senapati, H. Sutar	Chemical Engg.	Materials research express	2020		<a href="https://doi.org/10.1088/2053-1591/aba396">DOI 10.1088/2053-1591/aba396</a>		Scopus	
270	Thermal decomposition behaviour and kinetic study of Jamadoba coal and density separated Macerals	Dr H Sutar , R. Murmu, P. Senapati	Chemical Engg.	Advances in Chemical engg. and science	2020	2160-0406	<a href="https://doi.org/10.4236/aces.2021.113013">https://doi.org/10.4236/aces.2021.113013</a>		Scopus	
271	Thermal decomposition behaviour and kinetic study of Jamadoba coal and density separated Macerals	Dr H Sutar , R. Murmu, P. Senapati	Chemical Engg.	Advances in Chemical engg. and science	2020	2160-0406	<a href="https://www.scirp.org/journal/aces">https://www.scirp.org/journal/aces</a>	<a href="https://doi.org/10.4236/aces.2021.113013">https://doi.org/10.4236/aces.2021.113013</a>	Scopus	
272	Thermal decomposition behaviour and kinetic study of Jamadoba coal and density separated Macerals	Dr H Sutar , R. Murmu, P. Senapati	Chemical Engg.	Advances in Chemical engg. and science	2020	2160-0406	<a href="https://www.scirp.org/journal/aces">https://www.scirp.org/journal/aces</a>	<a href="https://doi.org/10.4236/aces.2021.113013">https://doi.org/10.4236/aces.2021.113013</a>	Scopus	
273	Fly ash supported Pd-Ag bimetallic nanoparticles exhibiting a synergistic catalytic effect for the reduction of nitrophenol	Niladri Maity, Anupam Sahoo, Rajkumar Boddhula, Saurav Chatterjee, Srikanta Patra, Binod Bihari Panda	Chemistry	Dalton Transactions	2020	1477-9226	<a href="https://doi.org/10.1039/D0DT01899F">Dalton Transactions journal (rsc.org)</a>	DOI:10.1039/D0DT01899F	Scopus	Web of Science
274	Flood inundation mapping and impact assessment using multi-temporal optical and SAR satellite data: a case study of 2017 Flood in Darbhanga district, Bihar, India	Gaurav ipathi, Brvind Chandra Panda, Bikash Ranjan Parida, Amit Kumar	CIVIL	Water Resources Management	2020	1573-1650	<a href="https://www.springer.com">https://www.springer.com</a>	<a href="https://doi.org/10.1007/s11269-020-02534-3">https://doi.org/10.1007/s11269-020-02534-3</a>	Scopus	Web of science
275	FORCED VIBRATION ANALYSIS OF LAMINATED COMPOSITE STIFFENED PLATES	Trushna Jena, Leena Sinha, Amarnath Nayak	CIVIL	International Journal of Structural Engineering	2020	1758-7336, 1758-7328	<a href="https://www.inderscienceonline.com/journal/ijstructe">https://www.inderscienceonline.com/journal/ijstructe</a>	<a href="https://doi.org/10.1504/IJSTRUCTE.2021.114263">https://doi.org/10.1504/IJSTRUCTE.2021.114263</a>	Scopus	
276	Load Deflection Profile of Concrete Block Pavement	B C Panda, and A K Pani	CIVIL	Journal of The Institution of Engineers (India) Series A	2020	2250-2157	<a href="https://www.iaeme.com/">Home   Journal of The Institution of Engineers</a>	<a href="https://doi.org/10.1007/s40030-020-00457-1">https://doi.org/10.1007/s40030-020-00457-1</a>	Scopus	Web of science
277	Strength Characterisation of Steel Fiber Reinforced Lightweight Concrete	R Sahu, J P Behera, B Basa, M Mallick, B C Panda	CIVIL	International Journal of Advanced Research in Engineering and Technology (IJARET)	2020	0976-6499	<a href="https://www.iaeme.com/">https://www.iaeme.com/</a>	10.34218/IJARET.11.11.2020.119	Scopus	
278	Strength characterization of steel Fiber reinforced lightweight Concrete	R. Sahu, J P Behera, B. Panda	CIVIL	IJARET	2020	0976-6480	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET)   ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY   Journal   © IAEME Publication	10.34218/IJARET.11.11.2020.119	Scopus	
279	Studies on the Leachate Characteristics of Sedimented Pond Ash Deposits Treated with Lime Coloumn	S. Sangita, S P Singh	CIVIL	Journal of Civil Engineering and Environmental Technology	2020		NA			
280	Characterization and CFD Analysis of Traditional Vessels of Kerala	RAMBABU NIMMA	CIVIL	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020		<a href="https://shodhganga.inflibnet.ac.in:8443/">https://shodhganga.inflibnet.ac.in:8443/</a>	DOI: 10.35940/ijitee.G4874.059720	Scopus	
281	Effectiveness of pongamia pinnata oil as rejuvenator for higher utilization of reclaimed asphalt (RAP) material.	SUJIT KUMAR PRADHAN, U.C. SAHOO	CIVIL	Innovative Infrastructure Solutions, Springer, 5 (2), 92	2020		<a href="https://www.springer.com">https://www.springer.com</a>	<a href="https://doi.org/10.1007/s41062-020-00343-6">https://doi.org/10.1007/s41062-020-00343-6</a>	Scopus	Web of science

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
282	Influence of softer binder and rejuvenator on bituminous mixtures containing reclaimed asphalt pavement (RAP) material	SUJIT KUMAR PRADHAN, U.C. SAHOO	CIVIL	International Journal of Transportation Science & Technology	2020	2046-0430	<a href="https://trid.trb.org/">https://trid.trb.org/</a>	<a href="https://doi.org/10.1016/j.ijtst.2020.12.001">https://doi.org/10.1016/j.ijtst.2020.12.001</a>		Scopus	Web of science
283	Stabilisation of clayey soil by using polypropylene fibre	SATYAPRIYA SENAPATI,K Bibhu Kyoto Patrick	CIVIL	International Research Journal of Engineering and Technology	2020	2046-0430		NA			
284	Use of Mahua oil for rejuvenation of the aged binder through laboratory investigations	SUJIT KUMAR PRADHAN, U.C. SAHOO	CIVIL	International Journal of Transportation Science & Technology	2020	2095-7564	<a href="https://trid.trb.org/">https://trid.trb.org/</a>	<a href="https://doi.org/10.1016/j.ijtst.2020.11.002">https://doi.org/10.1016/j.ijtst.2020.11.002</a>		Scopus	Web of science
285	Application Of Multidimensional Databases Of Psychological Study Based On Olap-Based Model	Mr. Suwendu Kumar Jena,Dr. Sasmitha Mishra,Dr. Sarojananda Mishra, Dr. Shekhar R	CSE	International Journal of Advanced Science and Technology,	2020	Vol. 29, No. 12s, (2020), pp. 3063 – 3071	<a href="http://www.internationaljournalofadvancedscience.com/">International Journal of Advanced Science</a>	<a href="http://sersc.org/journals/index.php/IJAST/article/view/32278">http://sersc.org/journals/index.php/IJAST/article/view/32278</a>		Scopus	
286	Application Of Multidimensional Databases Of Psychological Study Based On Olap-Based Model	Mr. Suwendu Kumar Jena,Dr. Sasmitha Mishra,Dr. Sarojananda Mishra, Dr. Shekhar R	CSE	International Journal of Advanced Science and Technology,	2020	Vol. 29, No. 12s, (2020), pp. 3063 – 3071	<a href="http://www.internationaljournalofadvancedscience.com/">International Journal of Advanced Science</a>	<a href="http://sersc.org/journals/index.php/IJAST/article/view/32278">http://sersc.org/journals/index.php/IJAST/article/view/32278</a>		Scopus	
287	Application Of Multidimensional Databases Of Psychological Study Based On Olap-Based Model	Mr. Suwendu Kumar Jena,Dr. Sasmitha Mishra,Dr. Sarojananda Mishra, Dr. Shekhar R	CSE	International Journal of Advanced Science and Technology,	2020	Vol. 29, No. 12s, (2020), pp. 3063 – 3071	<a href="http://www.internationaljournalofadvancedscience.com/">International Journal of Advanced Science</a>	<a href="http://sersc.org/journals/index.php/IJAST/article/view/32278">http://sersc.org/journals/index.php/IJAST/article/view/32278</a>		Scopus	
288	"The Classification Of Spam E-Mail Using Machine Learning Techniques"	Priyabrata Sahu , Mahendra Kumar Garanayak , Abhimanyu Dash , Suwendu Kumar Jena	CSE	Kala Sarovar (UGC Care Group-1 Journal)	2020	ISSN: 0975-4520Vol-23 No.02(II) July-September 2020	<a href="http://www.kalaevamdharmashodhsansthan.com">http://www.kalaevamdharmashodhsansthan.com</a>	DOI: 10.1109/ICACAT.2018.8933787	UGC Care Group-1 Journal		
289	"The Classification Of Spam E-Mail Using Machine Learning Techniques"	Priyabrata Sahu , Mahendra Kumar Garanayak , Abhimanyu Dash , Suwendu Kumar Jena	CSE	Kala Sarovar (UGC Care Group-1 Journal)	2020	ISSN: 0975-4520Vol-23 No.02(II) July-September 2020	<a href="http://www.kalaevamdharmashodhsansthan.com">http://www.kalaevamdharmashodhsansthan.com</a>	DOI: 10.1109/ICACAT.2018.8933787	UGC Care Group-1 Journal		
290	The Information Processing Using Olap Related Modelon Film Multidimensional Database Framework	Suwendu Kumar Jena1, Priyabrata Sahu2, Sasmitha Mishra3	CSE	Journal Of Critical Reviews	2020	ISSN- 2394-5125 VOL 7, ISSUE 14, 2020	<a href="http://www.journalofcriticalreviews.com/">Journal of Critical Reviews (jcreview.com)</a>	NA			
291	The Information Processing Using Olap Related Modelon Film Multidimensional Database Framework	Suwendu Kumar Jena1, Priyabrata Sahu2, Sasmitha Mishra3	CSE	Journal Of Critical Reviews	2020	ISSN- 2394-5125 VOL 7, ISSUE 14, 2020	<a href="http://www.journalofcriticalreviews.com/">Journal of Critical Reviews (jcreview.com)</a>	NA			
292	The Information Processing Using Olap Related Modelon Film Multidimensional Database Framework	Suwendu Kumar Jena1, Priyabrata Sahu2, Sasmitha Mishra3	CSE	Journal Of Critical Reviews	2020	ISSN- 2394-5125 VOL 7, ISSUE 14, 2020	<a href="http://www.journalofcriticalreviews.com/">Journal of Critical Reviews (jcreview.com)</a>	NA			
293	The Performance Analysis Of Optimized Load Balancing In Multidimensional Distributed Database System For Video On-Demand"	Suwendu Kumar Jena1, Priyabrata Sahu2, Dr. Sasmitha Mishra3, Umakant haskar Gohatre4	CSE	International Journal of Psychosocial Rehabilitation,	2020	Vol. 24, Issue 03, 2020 ISSN: 1475-7192	<a href="http://www.internationaljournalofpsychosocialrehabilitation.com/">International Journal of Psychosocial Reha</a>	DOI:10.37200/IJPRV24I3/PR2020762		Scopus	
294	"The Performance Analysis Of Optimized Load Balancing In Multidimensional Distributed Database System For Video On-Demand	Suwendu Kumar Jena1, Priyabrata Sahu2, Dr. Sasmitha Mishra3, Umakant haskar Gohatre4	CSE	International Journal of Psychosocial Rehabilitation,	2020	Vol. 24, Issue 03, 2020 ISSN: 1475-7192	<a href="http://www.internationaljournalofpsychosocialrehabilitation.com/">International Journal of Psychosocial Reha</a>	DOI:10.37200/IJPRV24I3/PR2020762		Scopus	
295	"The Performance Analysis Of Optimized Load Balancing In Multidimensional Distributed Database System For Video On-Demand	Suwendu Kumar Jena1, Priyabrata Sahu2, Dr. Sasmitha Mishra3, Umakant haskar Gohatre4	CSE	International Journal of Psychosocial Rehabilitation,	2020	Vol. 24, Issue 03, 2020 ISSN: 1475-7192	<a href="http://www.internationaljournalofpsychosocialrehabilitation.com/">International Journal of Psychosocial Reha</a>	DOI:10.37200/IJPRV24I3/PR2020762		Scopus	
296	Improved AdaBoost Algorithm for Big Data Analysis: A Review	Susanta Kumar Sahoo, Sasmitha Mishra, Dillip kumar Swain	CSE	THE AJHSSR	2020	E-ISSN: 2581-8868, Volume-04, Issue-01, pp-15-21	<a href="http://www.theajhssr.com/">THEAJHSSR - International Journal - Open Access - Submit Research Paper</a>	<a href="http://www.theajhssr.com/B041015021.pdf">THEAJHSSR_B041015021.pdf</a>		Scopus	

**3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years**

Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
297	Improved AdaBoost Algorithm for Big Data Analysis: A Review	Susanta Kumar Sahoo, Sasmita Mishra, Dillip kumar Swain	CSE	THE AJHSSR	2020	E-ISSN: 2581-8868, Volume-04, Issue-01, pp-15-21	<a href="#">THEAJHSSR - International Journal - Open Access - Submit Research Paper</a>	<a href="#">THEAJHSSR_B041015021.pdf</a>		Scopus	
298	Improved AdaBoost Algorithm for Big Data Analysis: A Review	Susanta Kumar Sahoo, Sasmita Mishra, Dillip kumar Swain	CSE	THE AJHSSR	2020	E-ISSN: 2581-8868, Volume-04, Issue-01, pp-15-21	<a href="#">THEAJHSSR - International Journal - Open Access - Submit Research Paper</a>	<a href="#">THEAJHSSR_B041015021.pdf</a>		Scopus	
299	Multi-Streaming Behavior in Protocol Independent Transport API.	Sangram Keshari Nayak, Sarojananda Mishra	CSE	International Journal of Computer Science Trends and Technology (IJCTST).	2020	2347-8578	<a href="#">IJCTST   IF 5.21   Best Journal   International Journal of Computer Science Trends and Technology - IJCTST   Peer Reviewed Scholarly Journal (ijctstjournal.org)</a>	<a href="https://www.ijctstjournal.org/volume-9/issue-2/IJCTST-V9I2P2.pdf">https://www.ijctstjournal.org/volume-9/issue-2/IJCTST-V9I2P2.pdf</a>	UGC Approved Journal		
300	Multi-Streaming Behavior in Protocol Independent Transport API.	Sangram Keshari Nayak, Sarojananda Mishra	CSE	International Journal of Computer Science Trends and Technology (IJCTST).	2020	2347-8578	<a href="#">IJCTST   IF 5.21   Best Journal   International Journal of Computer Science Trends and Technology - IJCTST   Peer Reviewed Scholarly Journal (ijctstjournal.org)</a>	<a href="https://www.ijctstjournal.org/volume-9/issue-2/IJCTST-V9I2P2.pdf">https://www.ijctstjournal.org/volume-9/issue-2/IJCTST-V9I2P2.pdf</a>	UGC Approved Journal		
301	Opportunistic mobile data offloading using machine learning approach	S K Dash, S Dash, J Mishra, S. Mishra	CSE	Wireless personal communications	2020		<a href="#">Home   Wireless Personal Communications (springer.com)</a>	<a href="https://doi.org/10.1007/s11277-019-06715-1">https://doi.org/10.1007/s11277-019-06715-1</a>		Scopus	Web of Science
302	Opportunistic mobile data offloading using machine learning approach	S K Dash, S Dash, J Mishra, S. Mishra	CSE	Wireless personal communications	2020		<a href="#">Home   Wireless Personal Communications (springer.com)</a>	<a href="https://doi.org/10.1007/s11277-019-06715-1">https://doi.org/10.1007/s11277-019-06715-1</a>		Scopus	Web of Science
303	Simulation of SCTP Multi-Streaming using Protocol Independent Socket API.	Sangram Keshari Nayak, Sarojananda Mishra	CSE	International Journal of Computer Science Trends and Technology (IJCTST).	2020	Volume 9 Issue 2	<a href="#">IJCTST   IF 5.21   Best Journal   International Journal of Computer Science Trends and Technology - IJCTST   Peer Reviewed Scholarly Journal (ijctstjournal.org)</a>	<a href="#">Simulation of SCTP Multi-Streaming using Protocol Independent Socket API (ijctstjournal.org)</a>			
304	Simulation of SCTP Multi-Streaming using Protocol Independent Socket API.	Sangram Keshari Nayak, Sarojananda Mishra	CSE	International Journal of Computer Science Trends and Technology (IJCTST).	2020	Volume 9 Issue 2	<a href="#">IJCTST   IF 5.21   Best Journal   International Journal of Computer Science Trends and Technology - IJCTST   Peer Reviewed Scholarly Journal (ijctstjournal.org)</a>	<a href="#">Simulation of SCTP Multi-Streaming using Protocol Independent Socket API (ijctstjournal.org)</a>			
305	A grasshopper optimization algorithm aided max power point tracking for partially shaded photovoltaic system	R Sridhar, C Subramani, Somashree Pathy	EE	Computers and Electrical Engineering	2020	0045-7906	<a href="#">Computers and Electrical Engineering   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.compeleceng.2021.107124">https://doi.org/10.1016/j.compeleceng.2021.107124</a>		Scopus	
306	Analysis of Photovoltaic & Battery Energy Storage System Impacts on Electric Distribution System Efficacy.	K Kasturi, CK Nayak, MR Nayak -	EE	International Journal on Electrical Engineering & Informatics	2020	2085-6830	<a href="https://www.proquest.com/">https://www.proquest.com/</a>	DOI:10.15676/ijeei.2020.12.4.18			
307	Application of Hybrid FACTS Devices in DFIG based Wind Energy System for LVRT Capability Enhancements	Bibhu Prasad Ganthia	EE	Journal of Mechanics of Continua and Mathematical Sciences (JMCMMS)	2020	2454-7190	<a href="https://www.researchgate.net/">https://www.researchgate.net/</a>	<a href="https://doi.org/10.26782/jmcmms.2020.06.00019">https://doi.org/10.26782/jmcmms.2020.06.00019</a>		Scopus	
308	Assessment of Dynamic Economic and Emission Dispatch Problem using WOA in Networked Grids with Photovoltaic Power Injection	Samita Padhi, Bibhu Prasad Panigrahi, Debaprasad Dash	EE	Transactions of the Indian National Academy of Engineering	2020	2662-5415	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://link.springer.com/article/10.1007/s41403-020-00162-2">https://link.springer.com/article/10.1007/s41403-020-00162-2</a>		Scopus	Web of Science
309	Binary grey wolf technique for optimal placement of phasor measurement unit with full network observability	Subhashree priyadarshini, C K Panigrahi	EE	Journal of Engineering Science and Technology, Taylor University	2020	2924-2938	<a href="#">Journal of Engineering Science and Techno</a>	<a href="#">FORMAT INSTRUCTIONS FOR SOMChE 2004 PAPERS (taylors.edu.my)</a>		Scopus	
310	Cascade H Bridge Multilevel Inverter with Pwm for Lower Thd, Emi & Rfi Reduction	Annals of the Romanian Society for Cell Biology	EE	Annals of the Romanian Society for Cell Biology	2020	1583-6258	<a href="#">Annals of the Romanian Society for Cell Biology (annalsofrcsb.ro)</a>	<a href="https://annalsofrcsb.ro/index.php/journal/article/view/6013">https://annalsofrcsb.ro/index.php/journal/article/view/6013</a>		Scopus	
311	Complex circuit simulation and nonlinear characteristics analysis of GaN power switching device	Ji Gu, Wei Wang, Rong Yin, Chinh V Truong, Bibhu Prasad Ganthia	EE	Nonlinear Engineering, De Gruyter	2020		<a href="https://www.degruyter.com/">https://www.degruyter.com/</a>	<a href="https://doi.org/10.1515/nleng-2021-0046">https://doi.org/10.1515/nleng-2021-0046</a>		Scopus	Web of Science

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
312	Design and control of a solar photovoltaic fed asymmetric multilevel inverter using computational intelligence	Rambabu Chunduri, Dr Benisha Gracelin, Dishore ShunmughamVanaja, Subhashree Priyadarshini, Aradhana Khillo, Bibhu Prasad Ganthia	EE	Annals of the Romanian Society for Cell Biology	2020	1583-6258	<a href="http://annalsofscrb.ro/">http://annalsofscrb.ro/</a>	<a href="https://annalsofscrb.ro/index.php/journal/article/view/9135">https://annalsofscrb.ro/index.php/journal/article/view/9135</a>		Scopus	
313	Design and control of a solar photovoltaic fed asymmetric multilevel inverter using computational intelligence	Rambabu Chunduri, Dr Benisha Gracelin, Dishore ShunmughamVanaja, Subhashree Priyadarshini, Aradhana Khillo, Bibhu Prasad Ganthia	EE	Annals of the Romanian Society for Cell Biology	2020	1583-6258	<a href="http://annalsofscrb.ro/">http://annalsofscrb.ro/</a>	<a href="https://annalsofscrb.ro/index.php/journal/article/view/9135">https://annalsofscrb.ro/index.php/journal/article/view/9135</a>		Scopus	
314	Design and control of a solar photovoltaic fed asymmetric multilevel inverter using computational intelligence	Rambabu Chunduri, Dr Benisha Gracelin, Dishore ShunmughamVanaja, Subhashree Priyadarshini, Aradhana Khillo, Bibhu Prasad Ganthia	EE	Annals of the Romanian Society for Cell Biology	2020	1583-6258	<a href="http://annalsofscrb.ro/">http://annalsofscrb.ro/</a>	<a href="https://annalsofscrb.ro/index.php/journal/article/view/9135">https://annalsofscrb.ro/index.php/journal/article/view/9135</a>		Scopus	
315	Design and Implementation of Power System Performance Improvement by Using Pfc	Udayakumar Durairaj, A Saravanan, Aradhana Khillo, Subhashree Priyadarshini, Bibhu Prasad Ganthia, Rajashekher Koyyeda	EE	Design Engineering	2020		<a href="http://thedesigengineering.com">thedesigengineering.com</a>	<a href="http://thedesigengineering.com/index.php/DE/article/view/1831">http://thedesigengineering.com/index.php/DE/article/view/1831</a>		Scopus	
316	Design and Implementation of Power System Performance Improvement by Using Pfc	Udayakumar Durairaj, A Saravanan, Aradhana Khillo, Subhashree Priyadarshini, Bibhu Prasad Ganthia, Rajashekher Koyyeda	EE	Design Engineering	2020		<a href="http://thedesigengineering.com">thedesigengineering.com</a>	<a href="http://thedesigengineering.com/index.php/DE/article/view/1831">http://thedesigengineering.com/index.php/DE/article/view/1831</a>		Scopus	
317	Design and Implementation of Power System Performance Improvement by Using Pfc	Udayakumar Durairaj, A Saravanan, Aradhana Khillo, Subhashree Priyadarshini, Bibhu Prasad Ganthia, Rajashekher Koyyeda	EE	Design Engineering	2020		<a href="http://thedesigengineering.com">thedesigengineering.com</a>	<a href="http://thedesigengineering.com/index.php/DE/article/view/1831">http://thedesigengineering.com/index.php/DE/article/view/1831</a>		Scopus	
318	Fuzzy logic-based direct torque control for improvement of the fault-tolerant drive of a five-phase induction motor	U Mahanta, BC Mohanta, AK Panda, BP Panigrahi	EE	Transactions of the Institute of Measurement and Control	2020	1477-0369	<a href="https://journals.sagepub.com/">https://journals.sagepub.com/</a>	DOI: 10.1177/01423312211015556		Scopus	
319	Fuzzy logic-based direct torque control for improvement of the fault-tolerant drive of a five-phase induction motor	Umakanta Mahanta	EE	Transactions of the Institute of Measurement and Control	2020	1477-0369	<a href="https://journals.sagepub.com/">https://journals.sagepub.com/</a>	<a href="https://doi.org/10.1177/01423312211015556">https://doi.org/10.1177/01423312211015556</a>		Scopus & ISI Thomson Reuters	
320	Modelling and Simulation of an Asymmetrical Modular Multilevel Inverter with Less Number of Components	Kishor Thakre, Kanungo Barada Mohanty, Aditi Chatterjee	EE	EPE Journal: European Power Electronics and Drives	2020	0939-8368	<a href="https://www.tandfonline.com/">https://www.tandfonline.com/</a>	<a href="https://doi.org/10.1080/09398368.2020.1725857">https://doi.org/10.1080/09398368.2020.1725857</a>		Scopus	Web of Science
321	Optimal allocation of Synchrophasor units in the distribution network considering maximum redundancy	Subhashree Priyadarshini	EE	Engg., Technology and Applied Science Research	2020		<a href="https://www.tandfonline.com/">https://www.tandfonline.com/</a>	<a href="https://doi.org/10.48084/etasr.3862">https://doi.org/10.48084/etasr.3862</a>		Scopus	
322	Photovoltaic and vehicle to grid strategies for peak load shifting in low voltage distribution system under time of use Grid pricing	C K Nayak, M K Nayak	EE	Iranian journal of science and technology	2020		<a href="https://www.tandfonline.com/">https://www.tandfonline.com/</a>	<a href="https://doi.org/10.1007/s40998-020-00405-6">https://doi.org/10.1007/s40998-020-00405-6</a>		Scopus	

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
323	Real-Time Implementation of Interleaved Soft-Switching Boost Converter Connected to Stand-Alone Photovoltaic System using Adaptive Fuzzy MPPT	M. Mohapatra, A.K. Panda, B.P. Panigrahi	EE	Journal of Institution of Engineers, India, Series B Springe	2020	2250-2106	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/s40031-020-00456-7">https://doi.org/10.1007/s40031-020-00456-7</a>		Scopus	Web of Science
324	Shunt Connected FACTS Devices for LVRT Capability Enhancement in WECS	Bibhu Prasad Ganthia	EE	Engineering, Technology & Applied Science Research	2020	1792-8036	<a href="https://etasr.com/">https://etasr.com/</a>	<a href="https://doi.org/10.48084/etasr.3560">https://doi.org/10.48084/etasr.3560</a>		Scopus	
325	A novel energy efficient obstacle aware routing algorithm for MANET	Banoj K Panda, Urmila Bhanja, Prasant K Pattnaik	ETC	International Journal of knowledge based and intelligent engineering systems	2020	2210-6820 (Online) 2210-6812 (Print)	<a href="#">Home - IOS Press</a>	10.3233/KES-200027			
326	A Probabilistic Model for Sensor Fusion Using Range-Only Measurements in Multistatic Radar	D. Dash, J. Valarmathi	ETC	IEEE Sensor Letters	2020	2475-1472	<a href="#">IEEE Sensors Letters   IEEE Xplore</a>	10.1109/LSSENS.2020.2993589		Scopus	Web of Science
327	An Extensive Simulation Study of Gate Underlap Influence on Device Performance of Surrounding Gate In0.53Ga0.47As/InP Hetero Field Effect Transistor	Soumya S Mohanty, Urmila Bhanja , G P Mishra	ETC	International Journal of Nanoscience & Nanotechnology-Asia	2020	1361-6439 (Online) 0960-1317 (Print)	<a href="#">Nanoscience &amp; Nanotechnology-Asia   Bentham Science</a>	10.2174/2210681209666181126151239		Scopus	
328	Design and Implementation of 256-bits Data Security Algorithm Written in VHDL Code with Data Integrity Test	Paresh Kumar Pasayat, B Manoranjan Patra, Madhusmita Das, Ayan Lodh, Barsha Baisakhi Priyadarshini, Ashis Kumar Samal, Monalisha Sethi	ETC	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	2020	e-ISSN: 2278 – 8875, p - ISSN: 2320 – 3765	<a href="#">International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (ijareeie.com)</a>	DOI:10.15662/IJAREEIE.2021.1003050	UGC Care		
329	Design and Implementation of 256-bits Hybrid Data Security Algorithm Written in VHDL Code with Data Integrity Test	Paresh Kumar Pasayat, Ayan Lodh, Madhusmita Das, B Manoranjan Patra, Barsha Baisakhi Priyadarshini, Ashis Kumar Samal, Monalisha Sethi	ETC	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	2020	e-ISSN: 2278 – 8875, p - ISSN: 2320 – 3765	<a href="#">International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (ijareeie.com)</a>	DOI:10.15662/IJAREEIE.2021.1005014			
330	Elephant herding optimization technique based neural network for cancer prediction	Monalisa Nayak , Soumya Das , Urmila Bhanja , Manas Ranjan Senapati	ETC	<a href="#">Informatics in Medicine Unlocked</a>	2020	2352-9148	<a href="#">Informatics in Medicine Unlocked   Journals</a>	<a href="https://doi.org/10.1016/j.imu.2020.100445">https://doi.org/10.1016/j.imu.2020.100445</a>			Web of Science
331	Elephant herding optimization technique based neural network for cancer prediction	Monalisa Nayak , Soumya Das , Urmila Bhanja , Manas Ranjan Senapati	ETC	<a href="#">Informatics in Medicine Unlocked</a>	2020	2352-9148	<a href="#">Informatics in Medicine Unlocked   Journals</a>	<a href="https://doi.org/10.1016/j.imu.2020.100445">https://doi.org/10.1016/j.imu.2020.100445</a>			Web of Science
332	Estimating Target Position and Tracking using Range only measurements in Multistatic Radar	D Dash, J. Valarmathi	ETC	International Journal of Advanced Science and Technology	2020	2207-6360	<a href="#">International Journal of Advanced Science and Technology (sersc.org)</a>	<a href="http://sersc.org/journals/index.php/IJAST/article/view/24836">sersc.org/journals/index.php/IJAST/article/view/24836</a>		scopus	
333	Implementation of defected ground structure for microstrip filtenna design	Soumya Ranjan Mishra, Sheeja K.L	ETC	Int J RF Microw Comput Aided Eng.	2020	1099-047X	<a href="#">International Journal of RF and Microwave Computer-Aided Engineering - Wiley Online Library</a>	<a href="https://doi.org/10.1002/mmce.21998">https://doi.org/10.1002/mmce.21998</a>		scopus	
334	Performance Analysis of hybrid SAC-OCDMA -OFDM model over Free space optical communication	Chinmayee Panda, U Bhanja	ETC	CCF Transactions on Networking, Springer	2020	1753-2515 (Online) 1753-2507 (Print)	<a href="#">Volumes and issues   CCF Transactions on</a>	<a href="http://dx.doi.org/10.1007/s42045-020-00039-6">http://dx.doi.org/10.1007/s42045-020-00039-6</a>		scopus	Web of Science
335	Performance Analysis of hybrid SAC-OCDMA -OFDM model over Free space optical communication	Chinmayee Panda, U Bhanja	ETC	CCF Transactions on Networking, Springer	2020	1753-2515 (Online) 1753-2507 (Print)	<a href="#">Volumes and issues   CCF Transactions on</a>	<a href="http://dx.doi.org/10.1007/s42045-020-00039-6">http://dx.doi.org/10.1007/s42045-020-00039-6</a>		scopus	Web of Science
336	Performance Improvement of hybrid OFDM-FSO System using Modified OFDM Receiver	Chinmayee Panda, U Bhanja	ETC	IJSCC, Inder Science	2020	1755-9340	<a href="#">International Journal of Systems, Control</a>	<a href="https://www.inderscienceonline.com/doi/abs/10.1504/IJSCC.2021.116756">https://www.inderscienceonline.com/doi/abs/10.1504/IJSCC.2021.116756</a>		Scopus	

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337	Performance Improvement of hybrid OFDM-FSO System using Modified OFDM Receiver	Chinmayee Panda, U Bhanja	ETC	IJSCC, Inder Science	2020	1755-9340	<a href="#">International Journal of Systems, Control</a>	<a href="https://www.inderscienceonline.com/doi/abs/10.1504/IJSCC.2021.116756">https://www.inderscienceonline.com/doi/abs/10.1504/IJSCC.2021.116756</a>		Scopus	
338	Time Delay Estimation Issues for Target Detection and Transmitter Identification in Multistatic Radars	D Dash, J. Valarmathi	ETC	Engineering Reports, Wiley	2020	2577-8196	<a href="#">Engineering Reports - Wiley Online Library</a>	<a href="https://doi.org/10.1002/eng2.12236">doi.org/10.1002/eng2.12236</a>		Scopus	
339	Financial time series prediction with feature selection using Simplex method based social spider optimization algorithm	M. Nayak, S. Das, U. Bhanja, M. R. senapati	ETC	IJCSE	2020	0976-5166	<a href="https://www.ijcse.com/index.html">https://www.ijcse.com/index.html</a>	<a href="https://doi.org/10.21817/indjcs/2021/v12i2/211202036">10.21817/indjcs/2021/v12i2/211202036</a>			
340	Financial time series prediction with feature selection using Simplex method based social spider optimization algorithm	M. Nayak, S. Das, U. Bhanja, M. R. senapati	ETC	IJCSE	2020	0976-5166	<a href="https://www.ijcse.com/index.html">https://www.ijcse.com/index.html</a>	<a href="https://doi.org/10.21817/indjcs/2021/v12i2/211202036">10.21817/indjcs/2021/v12i2/211202036</a>			
341	Hybridization of Subcarrier Index Modulation and OFDM with MIMO System Applied to FSO	Chinmayee Panda, U Bhanja	ETC	Journal of Critical Reviews	2020	2210-6820 (Online) 2210-6812 (Print)	<a href="https://www.jcreview.com">Journal of Critical Reviews (jcreview.com)</a>	<a href="https://doi.org/10.31838/jcr.07.12.206">doi: 10.31838/jcr.07.12.206</a>		Scopus	
342	Hybridization of Subcarrier Index Modulation and OFDM with MIMO System Applied to FSO	Chinmayee Panda, U Bhanja	ETC	Journal of Critical Reviews	2020	2210-6820 (Online) 2210-6812 (Print)	<a href="https://www.jcreview.com">Journal of Critical Reviews (jcreview.com)</a>	<a href="https://doi.org/10.31838/jcr.07.12.206">doi: 10.31838/jcr.07.12.206</a>		Scopus	
343	Effect of second order chemical reaction on MHD free convective radiating flow over an impulsively started vertical plate.	Bharat Ke. Swain	Mathematics	journal of nonlinear modeling & analysis	2020	2562-2862	<a href="#">Journal of Nonlinear Modeling and Analysis</a>	<a href="https://doi.org/10.12150/jnma.2021.167">https://doi.org/10.12150/jnma.2021.167</a>		Scopus	
344	Homotopy perturbation and numerical solution for MHD flow of PTT fluid through a channel embedded in a porous medium	B.K.SWAIN, M. DAS & G.C.DASH	Mathematics	Journal Of Engineering research	2020		<a href="#">HOME   Journal of Engineering Research</a>	<a href="https://doi.org/10.36909/jer.12069">https://doi.org/10.36909/jer.12069</a>	UGC Care		
345	MHD free convective flow in a composite medium between co-axial vertical cylinders with temperature dependent heat flux on inner cylinder	M.Senapati, S.N. Parida, B.K.Swain, G.C. Dash	Mathematics	Mathematical Modeling of Engineering Problems	2020		<a href="#">Mathematical Modelling of Engineering Problems   IIETA</a>	<a href="http://dx.doi.org/10.18280/mmep.070319">http://dx.doi.org/10.18280/mmep.070319</a>		Scopus	
346	The Effect of Viscous Dissipation and low pressure Gradient on a Magnetohydrodynamics flow over a flat plate	S.Kar, N.Senapati, B.K. Swain, M.Dash	Mathematics	Mathematical Modeling of Engineering Problems	2020		<a href="#">IIETA   Advancing the World of Information</a>	<a href="https://doi.org/10.18280/mmep.080217">https://doi.org/10.18280/mmep.080217</a>		Scopus	
347	Two warehouses EOQ Inventory Model of Degrading Matter Having Exponential Decreasing order, Limited Suspension in price Including Salvage Value.	Chandan Ku. Sahoo, Kailash Ch. Paul & A. Kalam	Mathematics	SN Computer Science	2020		<a href="#">Home   SN Computer Science (springer.com)</a>	<a href="https://doi.org/10.1007/s42979-020-00346-1">https://doi.org/10.1007/s42979-020-00346-1</a>		Scopus	
348	Viscous dissipation and joule heating effect on MHD flow and heat transfer past a stretching sheet embedded in a porous medium	Bikash Ch. Parida, Bharat Keshari Swain, Nityananda Senapati	Mathematics	Heliyon	2020		<a href="#">Heliyon   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.heliyon.2020.e05338">https://doi.org/10.1016/j.heliyon.2020.e05338</a>		Scopus	
349	Viscous dissipation and joule heating effect on MHD flow and heat transfer past a stretching sheet embedded in a porous medium	Bikash Ch. Parida, Bharat Keshari Swain, Nityananda Senapati	Mathematics	Heliyon	2020		<a href="#">Heliyon   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.heliyon.2020.e05338">https://doi.org/10.1016/j.heliyon.2020.e05338</a>		Scopus	
350	Viscous Dissipation Effect on MHD Free Convective flow in the presence of thermal radiation and chemical reaction	Bikash Ch. Parida, Bharat Keshari Swain, Nityananda Senapati, Srustisoumya Sahoo	Mathematics	MMEP	2020		<a href="#">Mathematical Modelling of Engineering Problems   IIETA</a>	<a href="https://doi.org/10.18280/mmep.070308">https://doi.org/10.18280/mmep.070308</a>			
351	Experimental investigation on performance of a CI Engine using Experimental investigation on performance of a CI Engine using waste cooking oil biodiesel blends with alcohol and Nanoparticle	Jagannath Prasad Pradhan, Babita Singh	Mechanical	Materials Today: Proceedings	2020		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2020.04.449">https://doi.org/10.1016/j.matpr.2020.04.449</a>		Scopus	Web of Science

**3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years**

Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
352	A hybrid technique for path planning of humanoid robot NAO in static and dynamic terrains	Kashyap, A. K., Parhi, D. R., Muni, M. K., & Pandey, K. K.	Mechanical	Applied Soft Computing	2020		<a href="#">Applied Soft Computing   Journal   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.asoc.2020.106581">https://doi.org/10.1016/j.asoc.2020.106581</a>		Scopus	
353	Buckling analysis and material selection of connecting rod to avoid hydrolock failure	A. Ranjan Pani, R. Kumar Patel and G. Kumar Ghosh	Mechanical	Materials Today: Proceedings	2020		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.matpr.2019.09.079">https://doi.org/10.1016/j.matpr.2019.09.079</a>		Scopus	
354	Buckling analysis and material selection of connecting rod to avoid hydrolock failure	A. Ranjan Pani, R. Kumar Patel and G. Kumar Ghosh	Mechanical	Materials Today: Proceedings	2020		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.matpr.2019.09.079">https://doi.org/10.1016/j.matpr.2019.09.079</a>		Scopus	
355	Dynamic Strategy Planning of Humanoid Robots Using Glowworm-Based Optimization.	Kumar, P. B., Parhi, D. R., Muni, M. K., Pandey, K. K., Chhotray, A., & Pradhan, D.	Mechanical	Robotica	2020	1469-8668	<a href="#">Robotica   Cambridge Core</a>	DOI: <a href="https://doi.org/10.1017/S0263574720000892">https://doi.org/10.1017/S0263574720000892</a>		Scopus	
356	Implementation of grey wolf optimization controller for multiple humanoid navigation	Muni, M. K., Parhi, D. R., & Kumar, P. B.	Mechanical	Computer Animation and Virtual Worlds	2020	1546-427X	<a href="#">Computer Animation and Virtual Worlds   Cambridge Core</a>	<a href="https://doi.org/10.1002/cav.1919">https://doi.org/10.1002/cav.1919</a>			
357	Improved Motion Planning of Humanoid Robots Using Bacterial Foraging Optimization	Muni, M. K., Parhi, D. R., & Kumar, P. B.	Mechanical	Robotica	2020	1469-8668	<a href="#">Robotica   Cambridge Core</a>	DOI: <a href="https://doi.org/10.1017/S0263574720000235">https://doi.org/10.1017/S0263574720000235</a>		Scopus	
358	Methanol and petrol blended alternate fuel for future sustainable engine: A performance and emission analysis	A. Gupta , P.C. Mishra	Mechanical	Measurement	2020	0263-2241	<a href="#">Measurement   Journal   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.measurement.2020.107519">https://doi.org/10.1016/j.measurement.2020.107519</a>		Scopus	
359	Motion control of multiple humanoids using a hybridized prim's algorithm-fuzzy controller	Muni, M. K., Parhi, D. R., Kumar, P. B., & Kumar, S.	Mechanical	Soft Computing	2020		<a href="#">Home   Soft Computing (springer.com)</a>	<a href="https://doi.org/10.1007/s00500-020-05212-z">https://doi.org/10.1007/s00500-020-05212-z</a>		Scopus	Web of Science
360	Navigational analysis of multiple humanoids using a hybrid regression-fuzzy logic control approach in complex terrains	Kumar, P. B., Muni, M. K., & Parhi, D. R.	Mechanical	Applied Soft Computing	2020		<a href="#">Applied Soft Computing   Journal   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.asoc.2020.106088">https://doi.org/10.1016/j.asoc.2020.106088</a>		Scopus	
361	Navigational analysis of multiple humanoids using a hybridized rule base-Sugeno fuzzy controller	Muni, M. K., Parhi, D. R., Kumar, P. B., & Rath, A. K	Mechanical	International Journal of Humanoid Robotics	2020	1793-6942	<a href="#">International Journal of Humanoid Robotics   SpringerOpen</a>	<a href="https://doi.org/10.1142/S0219843620500176">https://doi.org/10.1142/S0219843620500176</a>		Scopus	
362	Numerical simulation of weld nugget in resistance spot welding process	A. Kumar, S. Panda, G. Kumar Ghosh et al.	Mechanical	Materials Today: Proceedings	2020		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.matpr.2020.04.901">https://doi.org/10.1016/j.matpr.2020.04.901</a>		Scopus	Web of Science
363	Numerical simulation of weld nugget in resistance spot welding process	A. Kumar, S. Panda, G. Kumar Ghosh et al.	Mechanical	Materials Today: Proceedings	2020		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.matpr.2020.04.901">https://doi.org/10.1016/j.matpr.2020.04.901</a>		Scopus	Web of Science
364	Optimal path search and control of mobile robot using hybridized sine-cosine algorithm and ant colony optimization technique	Kumar, S., Parhi, D.R., Muni, M.K. and Pandey, K.K.	Mechanical	Industrial Robot	2020		<a href="#">Industrial Robot   Emerald Insight</a>	<a href="https://doi.org/10.1108/IR-12-2019-0248">https://doi.org/10.1108/IR-12-2019-0248</a>		Scopus	
365	Path Planning and Control of Mobile Robots Using Modified Tabu Search Algorithm in Complex Environment	Kumar, S., Muni, M. K., Pandey, K. K., Chhotray, A., & Parhi, D. R.	Mechanical	SSRN	2020		<a href="#">Home :: SSRN</a>	<a href="http://dx.doi.org/10.2139/ssrn.3539922">http://dx.doi.org/10.2139/ssrn.3539922</a>		Scopus	
366	Rheological properties analysis of MWCNT/graphene hybrid-gear oil (SAE EP-90) nanolubricants	A. Saxena, S. Gangwar, G. K. Ghosh et al	Mechanical	Materials Today: Proceedings	2020		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.matpr.2020.02.973">https://doi.org/10.1016/j.matpr.2020.02.973</a>		Scopus	Web of Science
367	Rheological properties analysis of MWCNT/graphene hybrid-gear oil (SAE EP-90) nanolubricants	A. Saxena, S. Gangwar, G. K. Ghosh et al	Mechanical	Materials Today: Proceedings	2020		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.matpr.2020.02.973">https://doi.org/10.1016/j.matpr.2020.02.973</a>		Scopus	Web of Science
368	Stability analysis of an exponentially tapered, pre-twisted asymmetric sandwich beam on a variable Pasternak foundation with viscoelastic supports under temperature gradient	Nayak, D. K., Dubey, A., Nayak, C. R. and Dash, P. R.	Mechanical	<a href="#">Journal of the Brazilian Society of Mechanical Sciences and Engineering</a>	2020		<a href="#">Home   Journal of the Brazilian Society of Mechanical Sciences and Engineering (springer.com)</a>	<a href="https://doi.org/10.1007/s40430-020-2210-0">https://doi.org/10.1007/s40430-020-2210-0</a>		Scopus	
369	Stability of a Tapered, Pretwisted, and Rotating Sandwich Beam under Temperature Gradient	Dubey, A., Nayak, C. R., Nayak, D. K. and Dash, P. R.	Mechanical	<a href="#">Journal of Aerospace Engineering</a>	2020	0893-1321	<a href="#">Journal of Aerospace Engineering   ASCE</a>	<a href="https://doi.org/10.1061/(ASCE)AS.1943-5525.0001178">https://doi.org/10.1061/(ASCE)AS.1943-5525.0001178</a>	UGC Care		
370	Stability of an exponentially tapered asymmetric sandwich beam placing on a variable Pasternak Foundation with variable temperature gradient	Pradhan, M., Dash, P., AndNayak, D. K.	Mechanical	Noise & Vibration Worldwide	2020		<a href="#">Noise &amp; Vibration Worldwide: Sage Journals</a>	<a href="https://doi.org/10.1177/0957456520972378">https://doi.org/10.1177/0957456520972378</a>		scopus	

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
371	Study of Dry-Sliding Wear Behaviour of Cu-SiCp Metal Matrix Composites	Rabinarayan Sethi, Rajesh Kumar Ojha	Mechanical	Materials Today: Proceedings	2020		<a href="#">Materials Today: Proceedings   Journal   S</a>	<a href="https://doi.org/10.1016/j.matpr.2020.01.114">https://doi.org/10.1016/j.matpr.2020.01.114</a>		Scopus	Web of Science
372	Sugeno Fuzzy Logic Analysis: Navigation of Multiple Humanoids in Complex Environments	Muni, M. K., Parhi, D. R., Kumar, P., Pandey, K. K., Kumar, S., & Chhotray, A.	Mechanical	SSRN	2020		<a href="#">Home :: SSRN</a>	<a href="http://dx.doi.org/10.2139/ssrn.3539922">http://dx.doi.org/10.2139/ssrn.3539922</a>		Scopus	
373	Effect of Al <sub>2</sub> O <sub>3</sub> Reinforcement to the AA5052 Matrix Using Stir Casting Route	Amulya Bihari Pattnaik, S. C Patnaik, Pranay Kumar Patra, Satya Prakash Nath, Shibaji Sahoo, Diptiranjana Singh	MME	International Journal of Innovative Science and Research Technology	2020	ISSN No: -2456-2165,	<a href="#">International Journal of Innovative Science and Research Technology (ijisrt.com)</a>			NA	
374	Effect of notch depth on creep rupture behaviour of 304Hcu austenitic stainless steel	Kanhu Charan Sahoo, Sunil Goyal, V. Thomas Paul, K. Laha	MME	Materials at High Temperature,	2020		<a href="#">Materials at High Temperatures   Taylor &amp; Francis Online (tandfonline.com)</a>	<a href="https://doi.org/10.1080/09603409.2020.1785084">https://doi.org/10.1080/09603409.2020.1785084</a>		Scopus	
375	Probability of Formation of Wear Debris during Initial Running-In Period of Sliding Wear of Al-Si (LM13)-10 wt.% Fly Ash Composites	A.B. Pattnaik and S. Das	MME	Journal of Materials Engineering and Performance, SpringerNature	2020		<a href="#">Home   Journal of Materials Engineering and Performance (springer.com)</a>	<a href="https://doi.org/10.1007/s11665-020-05211-z">https://doi.org/10.1007/s11665-020-05211-z</a>			Web of Science
376	Wear behavior of Plasma Processed LM6 Alloy	Jagadish Parida, Subash Chandra Mishra, Suresh Chandra Pattnaik	MME	Materials Science Forum	2020		<a href="#">Materials Science Forum   Scientific.Net</a>	<a href="https://doi.org/10.4028/www.scientific.net/MSF.978.140">https://doi.org/10.4028/www.scientific.net/MSF.978.140</a>			
377	Analysis of Different Anisotropic Properties of Ba (Fe 0.926 Co 0.074) 2 As 2 Single Crystal	Anup Pattanaik, G Purohit, P. Nayak	Physics	Journal of the Korean Physical Society	2020	0374-4884	<a href="#">Home   Journal of the Korean Physical Society (springer.com)</a>	DOI: 10.3938/jkps.76.1014		Scopus	
378	Anisotropy of field dependent penetration depth and the Sommerfeld coefficient in the pnictide superconductor	Anup Pattanaik, G Purohit, P. Nayak	Physics	Physica C	2020	1664-1668	<a href="#">Physica C: Superconductivity and its Applications   Journal   ScienceDirect.com by Elsevier</a>	DOI: 10.1016/j.physc.2020.1353705			Web of Science
379	Bouncing scenario in Brans-Dicke Theory	S. K. Tripathy, S. Pandey, A. P. Sendha, and D. Behera	Physics	International Journal of Geometrical Methods in Modern Physics	2020	0219-8878	<a href="#">International Journal of Geometric Methods in Modern Physics (worldscientific.com)</a>	<a href="https://doi.org/10.1142/S0219887820500565">https://doi.org/10.1142/S0219887820500565</a>		Scopus	
380	Bouncing Scenario in Brans-Dicke theory	S.K tripathy,S.pandey,S. P Send,D.Behera	Physics	international Journal of Geometric Methods in Modern Physics	2020	0219-8878	<a href="#">International Journal of Geometric Methods in Modern Physics (worldscientific.com)</a>	<a href="https://doi.org/10.1142/S0219887820500565">https://doi.org/10.1142/S0219887820500565</a>		Scopus	
381	Bouncing Scenario in f(R,T) gravity	P. Sahoo, S Bhattacharjee, P. K. Sahoo, S K Tripathy	Physics	Modern Physics Letters A	2020	0217-7323	<a href="#">Modern Physics Letters A (worldscientific.com)</a>	<a href="https://doi.org/10.1142/S0217732320500959">https://doi.org/10.1142/S0217732320500959</a>		Scopus	
382	Compact star structure with Cosmological constant	T Mahala,S Biswal, D. Behera	Physics	Tha Afriacan Reveiw of Physics	2020	22236589	<a href="#">Compact Star Structure With a Cosmological Constant - INSPIRE (inspirehep.net)</a>			Scopus	
383	Cosmic Transit models in an extended gravity theory	S. K. Tripathy, S.K. Pradhan, P. Parida, D. Behera, R. K. Khuntia and B. Mishra	Physics	Physica Scripta	2020	1402-4896	<a href="#">Physica Scripta - IOPscience</a>	DOI 10.1088/1402-4896/abba4d			Web of Science
384	Cosmic Transit models in an extended gravity theory	S. K. Tripathy, S.K. Pradhan, P. Parida, D. Behera, R. K. Khuntia and B. Mishra	Physics	Physica Scripta	2020	1402-4896	<a href="#">Physica Scripta - IOPscience</a>	DOI 10.1088/1402-4896/abba4d		Scopus	Web of Science
385	Cosmological models in squared trace gravity	B. Mishra, S. K. Tripathy and S. Ray	Physics	International Journal of Modern Physics D	2020	0218-2718	<a href="#">International Journal of Modern Physics D (worldscientific.com)</a>	<a href="https://doi.org/10.1142/S021827182050100X">https://doi.org/10.1142/S021827182050100X</a>		Scopus	
386	Gravastar in the framework of braneworld gravity	R. Sengupta, S. Ghosh, S. Ray, B. Mishra and S. K. Tripathy	Physics	Physical Review D	2020	2470-0010	<a href="#">Physical Review D (aps.org)</a>	<a href="https://doi.org/10.1103/PhysRevD.102.024037">https://doi.org/10.1103/PhysRevD.102.024037</a>		Scopus	
387	Investigating the Physical and geometrical parameters of the cosmological models with anisotropic background	B. Mishra and S. K. Tripathy	Physics	Physica Scripta	2020	1402-4896	<a href="#">Physica Scripta - IOPscience</a>	DOI 10.1088/1402-4896/abb0ab			Web of Science



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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
388	Magnetized cosmological model with variable deceleration parameter	S. Tarai, F. Md. Esmaeli, B. Mishra and S. K. Tripathy	Physics	International Journal of Modern Physics D	2020	0218-2718	<a href="http://www.worldscientific.com">International Journal of Modern Physics D (worldscientific.com)</a>	<a href="https://doi.org/10.1142/S0218271820500911">https://doi.org/10.1142/S0218271820500911</a>		Scopus	Web of Science
389	Nuclear Symmetry Energy and neutron skin thickness of 208Pb using a finite range effective interaction	D. Behera, S. K. Tripathy, T. R. Routray and B. Behera	Physics	Physica Scripta	2020	1402-4896	Physica Scripta - IOPscience	<a href="https://doi.org/10.1088/1402-4896/abb253">DOI 10.1088/1402-4896/abb253</a>		Scopus	Web of Science
390	Nuclear Symmetry Energy and neutron skin thickness of 208Pb using a finite range effective interaction	D. Behera, S. K. Tripathy, T. R. Routray and B. Behera	Physics	Physica Scripta	2020	1402-4896	Physica Scripta - IOPscience	<a href="https://doi.org/10.1088/1402-4896/abb253">DOI 10.1088/1402-4896/abb253</a>		Scopus	
391	Phantom Cosmology in an extended theory of gravity	S K Tripathy and B. Mishra	Physics	Chinese Journal of Physics	2020	0577-9073	<a href="https://www.sciencedirect.com">Chinese Journal of Physics   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.cjph.2019.12.022">https://doi.org/10.1016/j.cjph.2019.12.022</a>		Scopus	Web of Science
392	Thermodynamic anisotropy in the samarium-based pnictide single-crystal superconductor	Anup Pattanaik, G. Purohit, P. Nayak	Physics	Applied Physics A	2020	0947-8396	<a href="http://www.springer.com">Home   Applied Physics A (springer.com)</a>	<a href="https://doi.org/10.1007/s00339-020-03778-x">DOI: 10.1007/s00339-020-03778-x</a>		Scopus	Web of Science
393	Unified Dark Fluid and Cosmic transit models in Brans Dicke theory	S. K. Tripathy, S. K. Pradhan, Z. Naik, D. Behera and B. Mishra	Physics	Physics of the Dark Universe	2020	2212-6864	<a href="https://www.sciencedirect.com">Physics of the Dark Universe   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.dark.2020.100722">https://doi.org/10.1016/j.dark.2020.100722</a>		Scopus	Web of Science
394	Unified Dark Fluid and Cosmic transit models in Brans Dicke theory	S. K. Tripathy, S. K. Pradhan, Z. Naik, D. Behera and B. Mishra	Physics	Physics of the Dark Universe	2020	2212-6864	<a href="https://www.sciencedirect.com">Physics of the Dark Universe   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.dark.2020.100722">https://doi.org/10.1016/j.dark.2020.100722</a>		Scopus	Web of Science
395	The characteristic length scales in direct mode of drop formation from the edges of spinning discs with different surface wetting characteristics	Dr K Sahoo	Chemical Engg.	Chemical Engineering Science	2021		<a href="https://www.sciencedirect.com">Chemical Engineering Science   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.ces.2022.118068">https://doi.org/10.1016/j.ces.2022.118068</a>		Scopus	Web of Science
396	Analysis of Iron Ore Pellets properties Concerning Raw Material Mineralogy for Effective Utilization of Mining Waste	Mr K Barik	Chemical Engg.	Powder Technology	2021		<a href="https://www.sciencedirect.com">Powder Technology   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.powtec.2022.117259">https://doi.org/10.1016/j.powtec.2022.117259</a>		Scopus	Web of Science
397	Atomization characteristics of a spinning disc in direct drop mode	Dr Chandra Nayak	Chemical Engg.	Industrial & Engineering Chemistry Research	2021		<a href="https://pubs.acs.org">Industrial &amp; Engineering Chemistry Research Journal - ACS Publications</a>	<a href="https://doi.org/10.1021/acs.iecr.1c02172">https://doi.org/10.1021/acs.iecr.1c02172</a>		Scopus	
398	Dried ridge gourd: an excellent source for ecofriendly activated carbon	Mr K Barik	Chemical Engg.	Indian Journal of Chemical Technology	2021		<a href="http://www.nopr.niscair.res.in">Indian Journal of Chemical Technology (IJCT)   nopr.niscair.res.in</a>	<a href="http://nopr.niscair.res.in/handle/123456789/57455">http://nopr.niscair.res.in/handle/123456789/57455</a>		Scopus	
399	Dynamics of drop release from the edge of a spinning disc	Dr K Sahoo	Chemical Engg.	Industrial & Engineering Chemistry Research	2021		<a href="https://pubs.acs.org">Industrial &amp; Engineering Chemistry Research Journal - ACS Publications</a>	<a href="https://doi.org/10.1021/acs.iecr.1c02172">https://doi.org/10.1021/acs.iecr.1c02172</a>			
400	Effect of superficial gas velocity and ratio of bed volume to reactor volume of inverse fluidized bed biofilm reactor on the removal of ammonia-nitrogen from wastewater	Dr Anup Kumar Swain	Chemical Engg.	Indian Journal of Chemical Technology	2021	0975-0991	<a href="http://www.nopr.niscair.res.in">op.niscair.res.in</a>			Scopus	
401	Experimental Design of Solid Particle Wear Behavior of Ni-Based Composite Coatings	Dr H Sutar , R. Murmu	Chemical Engg.	Journal of Composites Science	2021		<a href="https://www.mdpi.com">Journal of Composites Science   An Open Access Journal from MDPI</a>	<a href="https://doi.org/10.3390/jcs5050133">https://doi.org/10.3390/jcs5050133</a>		Scopus	
402	Experimental Design of Solid Particle Wear Behavior of Ni-Based Composite Coatings	Dr H Sutar , R. Murmu	Chemical Engg.	Journal of Composites Science	2021		<a href="https://www.mdpi.com">Journal of Composites Science   An Open Access Journal from MDPI</a>	<a href="https://doi.org/10.3390/jcs5050133">https://doi.org/10.3390/jcs5050133</a>		Scopus	
403	Graphene, Graphene-Derivatives and Composites: Fundamentals, Synthesis Approaches to Applications.	Dr H Sutar , R. Murmu	Chemical Engg.	Journal of Composites Science	2021		<a href="https://www.mdpi.com">Journal of Composites Science   An Open Access Journal from MDPI</a>	<a href="https://doi.org/10.3390/jcs5070181">https://doi.org/10.3390/jcs5070181</a>		Scopus	
404	Graphene, Graphene-Derivatives and Composites: Fundamentals, Synthesis Approaches to Applications.	Dr H Sutar , R. Murmu	Chemical Engg.	Journal of Composites Science	2021		<a href="https://www.mdpi.com">Journal of Composites Science   An Open Access Journal from MDPI</a>	<a href="https://doi.org/10.3390/jcs5070181">https://doi.org/10.3390/jcs5070181</a>		Scopus	
405	Green synthesized Ag-TiO2 for degradation of organic dye through visible light driven photo-reactor and its kinetics	Dr S Banerjee	Chemical Engg.	Int. J. Chem. React. Eng.	2021		<a href="http://www.bepress.com/ijcre/">http://www.bepress.com/ijcre/</a>	<a href="https://doi.org/10.1515/ijcre-2021-0111">DOI:10.1515/ijcre-2021-0111</a>		Scopus	

3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
406	Investigation on Loss on Ignition to Study the Effect of Iron Ore Mineralogy in Green Pellet Growth Kinetics	Mr K Barik	Chemical Engg.	IIM Transactions of The Indian Institute of Metals	2021		<a href="#">Home   Transactions of the Indian Institut</a>	<a href="https://doi.org/10.1007/s12666-021-02449-6">https://doi.org/10.1007/s12666-021-02449-6</a>		Scopus	Web of Science
407	Mechanical, Thermal, and Morphological Properties of Graphene Nanoplatelet-Reinforced Polypropylene Nanocomposites: Effects of Nanofiller Thickness	Dr H Sutar , R. Murmu	Chemical Engg.	Journal of Composites Science	2021		<a href="https://www.mdpi.com/journal/jcs">https://www.mdpi.com/journal/jcs</a>	<a href="https://doi.org/10.3390/jcs5010024">https://doi.org/10.3390/jcs5010024</a>		Scopus	
408	Mechanical, Thermal, and Morphological Properties of Graphene Nanoplatelet-Reinforced Polypropylene Nanocomposites: Effects of Nanofiller Thickness	Dr H Sutar , R. Murmu	Chemical Engg.	Journal of Composites Science	2021		<a href="https://www.mdpi.com/journal/jcs">https://www.mdpi.com/journal/jcs</a>	<a href="https://doi.org/10.3390/jcs5010024">https://doi.org/10.3390/jcs5010024</a>		Scopus	
409	Preparation and characterization of the SPEEK/PVA/Silica hybrid membrane for direct methanol fuel cell (DMFC)	Dr H Sutar , R. Murmu	Chemical Engg.	Polymer Bulletin	2021		<a href="#">Home   Polymer Bulletin (springer.com)</a>	<a href="https://doi.org/10.1007/s00289-021-03602-3">https://doi.org/10.1007/s00289-021-03602-3</a>		Scopus	Web of Science
410	Preparation and characterization of the SPEEK/PVA/Silica hybrid membrane for direct methanol fuel cell (DMFC)	Dr H Sutar , R. Murmu	Chemical Engg.	Polymer Bulletin	2021		<a href="#">Home   Polymer Bulletin (springer.com)</a>	<a href="https://doi.org/10.1007/s00289-021-03602-3">https://doi.org/10.1007/s00289-021-03602-3</a>		Scopus	Web of Science
411	Effect of Annealing Temperature on Copper-Doped Nickel Oxide Nanomaterials for Efficient Degradation of Methylene Blue Under Solar Irradiation	Debakanta Tripathy, Binod Bihari Panda, Niladri Maity	Chemistry	Journal of Electronic Materials	2021	0361-5235	<a href="#">Home   Journal of Electronic Materials (sp</a>	DOI <a href="https://doi.org/10.1007/s11664-022-09591-x">https://doi.org/10.1007/s11664-022-09591-x</a>		Scopus	Web of Science
412	Electrodeposited mixed ZnS–CdS photoelectrode for natural dye-sensitized solar cells (NDSSC)	Binod Bihari Panda, P. K. Mahapatra, M. K. Ghosh	Chemistry	Indian Journal of Physics	2021	0973-1458	<a href="#">Home   Indian Journal of Physics (springe</a>	DOI <a href="https://doi.org/10.1007/s12648-020-01902-4">https://doi.org/10.1007/s12648-020-01902-4</a>		Scopus	Web of Science
413	Synthesis, characterization and molecular docking study of Nitro(4'-(2-pyridyl)-2,2':6',2"-terpyridyl) Palladium(II) nitrate	DebakantaTripathy, Amlan K.Pal, Soumya LipsaRath, Garry S. Hanan, Binod B.Panda, Dillip K.Chand	Chemistry	Inorganic Chemistry Communications	2021	1387-7003.	<a href="#">Inorganic Chemistry Communications   Jo</a>	<a href="http://dx.doi.org/10.1016/j.inoche.2021.108494">http://dx.doi.org/10.1016/j.inoche.2021.108494</a>		Scopus	Web of Science
414	Durability properties of concrete with silica fume and rice husk ash	SmitaSahoo, Pravat KumarParhi, BikashChandra Panda	CIVIL	Cleaner Engineering and Technology	2021	2666-7908	<a href="#">Cleaner Engineering and Technology   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.clet.2021.100067">https://doi.org/10.1016/j.clet.2021.100067</a>		Scopus	Web of science
415	Performance Analysis of Offshore Riser System	RAMBABU NIMMA	CIVIL	International Research Journal of Engineering and Technology (IRJET)	2021	ISSN 2278-3075	<a href="https://www.irjet.net/">https://www.irjet.net/</a>	<a href="https://www.irjet.net/archives/V8/i4/IRJET-V8I493.pdf">https://www.irjet.net/archives/V8/i4/IRJET-V8I493.pdf</a>		Scopus	
416	A Machine Intelligence Based Model for the Classification of Odia Printed and Handwritten Images	Sahu, A., Mishra, S., & Jena, K. K.	CSE	Elementary Education Online,	2021	20(5), 3733-3744.(Scopus, UGC)	<a href="#">Elementary Education Online (ilkogretim-</a>	doi: 10.17051/ilkonline.2021.05.410	UGC Care	Scopus	
417	A Machine Intelligence Based Model for the Classification of Odia Printed and Handwritten Images	Sahu, A., Mishra, S., & Jena, K. K.	CSE	Elementary Education Online,	2021	20(5), 3733-3744.(Scopus, UGC)	<a href="#">Elementary Education Online (ilkogretim-</a>	doi: 10.17051/ilkonline.2021.05.410	UGC Care	Scopus	
418	A Comprehensive Examination of Bandgap Semiconductor Switches	S Siva Subramanian, R Saravanakumar, Bibhu Prasad Ganthia, S Kaliappan, Surafel Mustefa Beyan, Maitri Mallick, Monalisa Mohanty, G Pavithra	EE	Advances in Materials Science and Engineering, Hindawi	2021	Article ID 318850	<a href="https://www.proquest.com/">https://www.proquest.com/</a>	<a href="https://doi.org/10.1155/2021/3188506">https://doi.org/10.1155/2021/3188506</a>		Scopus	
419	A novel application of ALO-based fractional order fuzzy PID controller for AGC of power system with diverse sources of generation	Nimai Charan Patel, Binod Kumar Sahu, Durgesh Prasad Bagarty, Pranati Das, Manoj Kumar Debnath	EE	The International Journal of Electrical Engineering & Education	2021	2050-4578	<a href="https://journals.sagepub.com/">https://journals.sagepub.com/</a>	<a href="https://doi.org/10.1177/0020720919829710">https://doi.org/10.1177/0020720919829710</a>		Scopus	
420	A Real Time Implementation of ANN Controller to Track Maximum Power Point in Solar Photovoltaic System	K Thenmalar, K Kiruba, Praveen Raj, Bibhu Prasad Ganthia	EE	Annals of the Romanian Society for Cell Biology	2021		<a href="#">Annals of the Romanian Society for Cell Biology (annalsofscb.ro)</a>	<a href="https://annalsofscb.ro/index.php/journal/article/view/7465">https://annalsofscb.ro/index.php/journal/article/view/7465</a>		Scopus	

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
421	Ann Based Speed Control of Brush less DC Motor Using DC DC Converter	M Sivaramkrishnan, M Veerasundaram, Lizi Joseph, Bibhu Prasad Ganthia, M Anand	EE	Design Engineering	2021		<a href="http://thedesigengineering.com">thedesigengineering.com</a>	<a href="http://thedesigengineering.com/index.php/DE/article/view/1901">http://thedesigengineering.com/index.php/DE/article/view/1901</a>		Scopus	
422	Bridgeless Ac/Dc Converter & Dc-Dc Based Power Factor Correction with Reduced Total Harmonic Distortion	N Praneeth, Bibhu Prasad Ganthia, Makarand Upadhyaya	EE	Design Engineering	2021		<a href="http://thedesigengineering.com">thedesigengineering.com</a>	<a href="http://thedesigengineering.com/index.php/DE/article/view/1902">http://thedesigengineering.com/index.php/DE/article/view/1902</a>		Scopus	
423	Explicit model predictive controller for power control of molten salt breeder reactor core	Subrat Kumar Pradhan, Dushmanta Kumar Das	EE	Nuclear Engineering and Design	2021	1872-759X	Nuclear Engineering and Design   Journal   ScienceDirect.com by Elsevier	10.1016/j.nucengdes.2021.111492		Scopus	Web of Science
424	Grid Tied PV with Reduced THD Using NN and PWM Techniques	Praveen Mannam, YV Siva Reddy, Saritha Manchireddy, Bibhu Prasad Ganthia	EE	Design Engineering	2021		<a href="http://thedesigengineering.com">thedesigengineering.com</a>	<a href="http://thedesigengineering.com/index.php/DE/article/view/1903">http://thedesigengineering.com/index.php/DE/article/view/1903</a>		Scopus	
425	H <sup>∞</sup> Load Frequency Control Design Based on Delay Discretization Approach for Interconnected Power Systems with Time Delay	Subrat Kumar Pradhan, Dushmanta Kumar Das	EE	Journal of Modern Power Systems and Clean Energy	2021	2196-5420	IEEE Xplore: Journal of Modern Power Systems and Clean Energy	10.35833/MPCE.2019.000206		Scopus	Web of Science
426	H <sup>∞</sup> Performance-Based Sliding Mode Control Approach for Load Frequency Control of Interconnected Power System with Time Delay	Subrat Kumar Pradhan, Dushmanta Kumar Das	EE	Arabian Journal for Science and Engineering	2021	2193-567X	Home   Arabian Journal for Science and Engineering (springer.com)	10.1007/s13369-020-05178-y		Scopus	
427	Hardware in Loop (THIL 402) Validated Type-I Fuzzy Logic Control of Type-III Wind Turbine System under Transient	Bibhu Prasad Ganthia, Subrat Kumar Barik, Byamakesh Nayak	EE	Journal of Electrical Systems, Engineering and Scientific Research Groups (ESRGroups)	2021		<a href="https://journal.esrgroups.org/">https://journal.esrgroups.org/</a>	<a href="https://journal.esrgroups.org/jes/papers/17_1_3">https://journal.esrgroups.org/jes/papers/17_1_3</a>		Scopus	
428	Low voltage ride through capability enhancement using series connected fact devices in wind energy conversion system	Bibhu Prasad Ganthia, Subrat Kumar Barik, Byamakesh Nayak	EE	Journal of Engineering Science and Technology, Taylor University	2021		Journal of Engineering Science and Technology (JESTEC) (taylors.edu.my)	<a href="https://www.taylors.edu.my/jestec/2024/PAPERS">FORMAT INSTRUCTIONS FOR SOMChE 2004 PAPERS (taylors.edu.my)</a>		Scopus	Web of Science
429	Matlab/Simulink Based THD Reduction Using Active Power Filters	PV Ashwathy Devraj, S Siva Subramanian, Udayakumar Durairaj, Bibhu Prasad Ganthia, Makarand Upadhyaya	EE	Design Engineering	2021		<a href="http://thedesigengineering.com">thedesigengineering.com</a>	<a href="http://thedesigengineering.com/index.php/DE/article/view/1900">http://thedesigengineering.com/index.php/DE/article/view/1900</a>		Scopus	
430	Research on frequency parameter detection of frequency shifted track circuit based on nonlinear algorithm	Hui Xie, Yatao Wang, Zhiliang Gao, Bibhu Prasad Ganthia, Chinh V Truong	EE	Nonlinear Engineering, De Gruyter	2021		<a href="https://www.degruyter.com/">https://www.degruyter.com/</a>	<a href="https://doi.org/10.1515/nleng-2021-0050">https://doi.org/10.1515/nleng-2021-0050</a>		Scopus	Web of Science
431	Predictive Analysis for Cancer and Diabetes Using Simplex Method Based Social Spider Optimization Algorithm	Monalisa Nayak , Soumya Das , Urmila Bhanja , Manas Ranjan Senapati	ETC	IETE Journal of Research	2021		IETE Journal of Research   Taylor & Francis	<a href="https://doi.org/10.1080/03772063.2022.2027276">https://doi.org/10.1080/03772063.2022.2027276</a>			Web of Science
432	Predictive Analysis for Cancer and Diabetes Using Simplex Method Based Social Spider Optimization Algorithm	Monalisa Nayak , Soumya Das , Urmila Bhanja , Manas Ranjan Senapati	ETC	IETE Journal of Research	2021		IETE Journal of Research   Taylor & Francis	<a href="https://doi.org/10.1080/03772063.2022.2027276">https://doi.org/10.1080/03772063.2022.2027276</a>			Web of Science
433	Ambiguity Function Analysis for Orthogonal-LFM Waveform Based Multistatic Radar	Dillip Dash J. Valarmathi	ETC	IEEE Sensor Letters	2021	2475-1472	IEEE Xplore: IEEE Sensors Letters	<a href="https://doi.org/10.1109/LSSENS.2021.3129081">https://doi.org/10.1109/LSSENS.2021.3129081</a>		Scopus	Web of Science
434	Design and Analysis of Complex Data Security Algorithm Using Cryptography and Steganography Techniques	Paresh Kumar Pasayat, Soumya Ranjan Panigrahi, Chandan Kumar Padhy, Manaswini Mishra, Trupti Mishra, Ajay Kumar Manadhata	ETC	International Journal of Innovative Research in Computer and Communication Engineering	2021	e-ISSN: 2320-9801, p-ISSN: 2320-9798	<a href="http://www.ijircce.com">International Journal of Innovative Research in Computer and Communication Engineering:: (ijircce.com)</a>	<a href="https://ssrn.com/abstract=4245367">https://ssrn.com/abstract=4245367</a>	UGC Care		
435	High selectivity and sharp roll-off filtenna array for Ku-band application	Soumya Ranjan Mishra, Bikash Chandra Sahoo & Sheeja K L	ETC	International Journal of Electronics	2021	1362-3060	International Journal of Electronics: Vol 1	<a href="https://doi.org/10.1080/00207217.2021.1941290">https://doi.org/10.1080/00207217.2021.1941290</a>		Scopus	

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
436	High selectivity and sharp roll-off filter antenna array for Ku-band application	Soumya Ranjan Mishra, Bikash Chandra Sahoo & Sheeja K L	ETC	International Journal of Electronics	2021	1362-3060	<a href="#">International Journal of Electronics: Vol 1</a>	<a href="https://doi.org/10.1080/00207217.2021.1941290">https://doi.org/10.1080/00207217.2021.1941290</a>		Scopus	
437	ISS criterion for Lipschitz nonlinear interfered fixed-point digital filters with saturation overflow arithmetic	J Rout and H. Kar	ETC	Circuits Systems and Signal Processing	2021	NA	<a href="#">Home   Circuits, Systems, and Signal Proc</a>	<a href="https://doi.org/10.1007/s00034-021-01823-5">https://doi.org/10.1007/s00034-021-01823-5</a>		Scopus	Web of Science
438	Metamaterial inspired pin wheel fractal shaped antenna using parasitic split ring resonator for modern wireless applications	Ashish Kumar, Bikash Chandra Sahoo, Gurmeet Singh	ETC	International Journal of Electronics and Communications	2021	2798-2610	<a href="#">AEU - International Journal of Electronics and Communications   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.aeue.2021.153931">https://doi.org/10.1016/j.aeue.2021.153931</a>		Scopus	Web of Science
439	Effect of second order slip and heat source on dissipative MHD flow of blood through a permeable capillary in stretching motion	M.M.BISWAL, B.K. SWAIN & G.C.DASH	Mathematics	International Journal of Ambient Energy	2021		<a href="#">International Journal of Ambient Energy  </a>	<a href="https://doi.org/10.1080/01430750.2021.1979649">https://doi.org/10.1080/01430750.2021.1979649</a>		Scopus	
440	EOQ model for cubic deteriorating items carry forward with weibull demand and without shortages.	Chandan Ku. Sahoo, Kailash Ch. Paul	Mathematics	IJREI	2021		<a href="#">International Journal of Research in Engin</a>	<a href="https://doi.org/10.36037/IJREI.2021.5510">https://doi.org/10.36037/IJREI.2021.5510</a>		Scopus	
441	Heat and mass transfer in MHD stagnation-point flow toward an inclined stretching sheet embedded in a porous medium.	M.M.BISWAL, B.K. SWAIN, M. DAS & G.C. DASH	Mathematics	Heat transfer	2021		<a href="#">Heat Transfer - Wiley Online Library</a>	<a href="https://doi.org/10.1002/htj.22525">https://doi.org/10.1002/htj.22525</a>		Scopus	
442	Mass transfer effect on viscous dissipative MHD flow of nano fluid over a stretching sheet embedded in a porous medium	Bikash Ch. Parida, Bharat Keshari Swain, Nityananda Senapati	Mathematics	JNAME	2021		<a href="#">Bangladesh Journals Online (banglajol.info)</a>	<a href="https://doi.org/10.3329/jname.v18i1.53380">https://doi.org/10.3329/jname.v18i1.53380</a>		Scopus	
443	Design and fabrication of a solar portable refrigerator	Sabyasachi Aich, Jayashree Nayak	Mechanical	Materials Today: Proceedings	2021		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2020.08.442">https://doi.org/10.1016/j.matpr.2020.08.442</a>		Scopus	Web of Science
444	Design and fabrication of a solar portable refrigerator	Sabyasachi Aich, Jayashree Nayak	Mechanical	Material Today proceedings	2021		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2020.08.442">https://doi.org/10.1016/j.matpr.2020.08.442</a>		Scopus	Web of Science
445	Humanoid NAO: A Kinematic Encounter	Sahu, C., Parhi, D. R., Kumar, P. B., Muni, M. K., Chhotray, A., & Pandey, K. K	Mechanical	Robotica	2021		<a href="#">Robotica   Cambridge Core</a>	DOI: <a href="https://doi.org/10.1017/S0263574721000096">https://doi.org/10.1017/S0263574721000096</a>		Scopus	
446	Hybrid IWD-GA: an approach for path optimization and control of multiple mobile robot in obscure static and dynamic environments	Kumar, S., Parhi, D. R., Pandey, K. K., & Muni, M. K.	Mechanical	Robotica	2021		<a href="#">Robotica   Cambridge Core</a>	DOI: <a href="https://doi.org/10.1017/S0263574721000114">https://doi.org/10.1017/S0263574721000114</a>		Scopus	
447	Navigation of a wheeled mobile robotic agent using modified grey wolf optimization controller	Paital, C., Kumar, S., Muni, M. K., Parhi, D. R., & Dhal, P. R.	Mechanical	International Journal of Intelligent Unmanned Systems.	2021		<a href="#">International Journal of Intelligent Unmanned Systems   Emerald Insight</a>	10.1108/IJUIS-06-2020-0023		Scopus	
448	Navigation of a wheeled mobile robotic agent using modified grey wolf optimization controller	Paital, C., Kumar, S., Muni, M. K., Parhi, D. R., & Dhal, P. R.	Mechanical	International Journal of Intelligent Unmanned Systems.	2021		<a href="#">International Journal of Intelligent Unmanned Systems   Emerald Insight</a>	10.1108/IJUIS-06-2020-0023		Scopus	
449	On Crack Detection in a Laminated Glass/Epoxy Composite Beam under Free Vibration with Fuzzy Logic Aid	Das, P., Muni, M. K., & Sahu, S. K.	Mechanical	International Journal of Structural Stability and Dynamics	2021		<a href="#">International Journal of Structural Stability</a>	<a href="https://doi.org/10.1142/S0219455421501765">https://doi.org/10.1142/S0219455421501765</a>		Scopus	
450	Soil stabilization by industrial waste (GGBS and stone dust)	C K Behera, S Senapati	Mechanical	International journal of engineering research & technology	2021	2278-0181	<a href="#">IJERT – International Journal of Engineering Research &amp; Technology</a>	<b>10.17577/IJERTV10IS090154</b>			
451	Static and dynamic path optimization of multiple mobile robot using hybridized fuzzy logic-whale optimization algorithm.	Kumar, S., Parhi, D. R., Kashyap, A. K., & Muni, M. K	Mechanical	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	2021		<a href="#">Proceedings of the Institution of Mechan</a>	DOI: <a href="https://doi.org/10.1177/0954406220982641">https://doi.org/10.1177/0954406220982641</a>		Scopus	
452	Water cycle algorithm: an approach for improvement of navigational strategy of multiple humanoid robots	Muni, M. K., Kumar, S., Parhi, D. R., & Pandey, K. K.	Mechanical	Robotica	2021		Cleaner Engineering and Technology   Journal   ScienceDirect.com by Elsevier	DOI: <a href="https://doi.org/10.1017/S0263574721000837">https://doi.org/10.1017/S0263574721000837</a>		Scopus	Web of Science
453	Enhanced biodegradation of total petroleum hydrocarbons by implementing a novel two steps bioaugmentation Strategy indigenous bacterial consortium	Ipsita Dipamitra Behera, M R Nayak, S Biswas, B C Meikap, R k Sen	MME	Journal of Environmental Management	2021		<a href="#">Journal of Environmental Management   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.jenvman.2021.112746">https://doi.org/10.1016/j.jenvman.2021.112746</a>		Scopus	Web of Science

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Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
454	Strategic implementation of integrated bioaugmentation and bio stimulation for efficient mitigation of petroleum hydrocarbon pollutants from terrestrial and aquatic environment	Ipsita Dipamitra Behera, M R Nayak, A Mishra, B C Meikap	MME	Marine pollution Bulletin	2021		<a href="#">Marine Pollution Bulletin   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.marpolbul.2022.113492">https://doi.org/10.1016/j.marpolbul.2022.113492</a>		Scopus	
455	Accelerating models with a hybrid scale factor in extended gravity	B. Mishra, S. K. Tripathy and S. Tarai	Physics	Journal of Astrophysics and Astronomy	2021	0250-6335	<a href="#">Home   Journal of Astrophysics and Astro</a>	<a href="https://doi.org/10.1007/s12036-020-09655-6">https://doi.org/10.1007/s12036-020-09655-6</a>		Scopus	Web of Science
456	Bouncing Models in extended gravity theory	S. K. Tripathy, B. Mishra, S. Ray and R. Sengupta	Physics	Chinese Journal of Physics	2021	0577-9073		<a href="https://doi.org/10.1016/j.cjph.2021.03.026">https://doi.org/10.1016/j.cjph.2021.03.026</a>			
457	Cosmological models with Big rip and Pseudo rip in extended theory of gravity	P. P. Ray, S. Tarai, B. Mishra and S. K. Tripathy	Physics	Fortschritte der Physik (Progress of Physics)	2021	0015-8208 (print)		NA			
458	Cosmological models with hybrid scale factor	S. K. Tripathy, B. Mishra, M. Khlopov and S. Ray	Physics	International Journal of Modern Physics D	2021	0218-2718   ISSN (online): 1793-6594		<a href="http://dx.doi.org/10.1142/S0218271821400058">http://dx.doi.org/10.1142/S0218271821400058</a>			
459	Dynamical System Analysis for accelerating models in f(Q) gravity	S. A. Narawade, L. Pati, B. Mishra and S. K. Tripathy	Physics	Physics of Dark Universe	2021	ISSN: 2212-6864	<a href="#">Physics of the Dark Universe   Journal   S</a>	<a href="https://doi.org/10.1016/j.dark.2022.101020">https://doi.org/10.1016/j.dark.2022.101020</a>		Scopus	Web of Science
460	Dynamics of quasi de Sitter and linear combination of exponential models in extended gravity	B. Mishra, E. Gadia and S. K. Tripathy	Physics	International Journal of Geometrical Methods in Modern Physics	2021	0219-8878 (print); 1793-6977 (web)	<a href="#">International Journal of Geometric Metho</a>	<a href="https://doi.org/10.1142/S0219887821501681">https://doi.org/10.1142/S0219887821501681</a>		Scopus	
461	Gravitational Baryogenesis Models comparison in f(R)	S. Agrawal, S. K. Tripathy and B. Mishra	Physics	Chinese Journal of Physics	2021	0577-9073	<a href="#">Chinese Journal of Physics   ScienceDirect</a>	<a href="https://doi.org/10.1016/j.cjph.2021.03.004">https://doi.org/10.1016/j.cjph.2021.03.004</a>		Scopus	Web of Science
462	Matter Bounce Scenario and the dynamical aspects in f(Q, T) gravity	A. A. S. Agrawal, L. Pati, S. K. Tripathy and B. Mishra	Physics	Physics of the Dark Universe	2021	ISSN: 2212-6864	<a href="#">Physics of the Dark Universe   Journal   S</a>	<a href="https://doi.org/10.1142/S0219887821501681">https://doi.org/10.1142/S0219887821501681</a>		Scopus	Web of Science
463	Modelling Casimir wormholes in extended gravity	S. K. Tripathy	Physics	Physics of the Dark Universe	2021	2212-6864	<a href="#">Physics of the Dark Universe   Journal   S</a>	<a href="https://doi.org/10.1016/j.dark.2020.100757">https://doi.org/10.1016/j.dark.2020.100757</a>		Scopus	Web of Science
464	Modelling of Accelerating Universe with Bulk Viscous Fluid in Bianchi-V spacetime	G. K. Goswami, A. K. Yadav, B. Mishra and S. K. Tripathy	Physics	Fortschritte der Physik (Progress of Physics)	2021	0015-8208	<a href="#">Fortschritte der Physik - Wiley Online Libr</a>	<a href="https://doi.org/10.1002/prop.202100007">https://doi.org/10.1002/prop.202100007</a>		Scopus	
465	Nuclear Symmetry Energy Parameters from the neutron skin thickness in 208Pb and the electric dipole polarizability in 68Ni, 120Sn and 208Pb	D. Behera, S. K. Tripathy, T. R. Routray and B. Behera	Physics	Physica Scripta	2021	1402-4896	<a href="#">Physica Scripta - IOPscience</a>	DOI 10.1088/1402-4896/abd8a4		Scopus	Web of Science
466	Nuclear Symmetry Energy Parameters from the neutron skin thickness in 208Pb and the electric dipole polarizability in 68Ni, 120Sn and 208Pb	D. Behera, S. K. Tripathy, T. R. Routray and B. Behera	Physics	Physica Scripta	2021	1402-4896	<a href="#">Physica Scripta - IOPscience</a>	DOI 10.1088/1402-4896/abd8a4		Scopus	Web of Science
467	Rip cosmological models in extended symmetric teleparallel gravity	L. Pati, S. A. Kadam, S. K. Tripathy and B. Mishra	Physics	Physics of the Dark Universe	2021	ISSN: 2212-6864	<a href="#">Physics of the Dark Universe   Journal   S</a>	<a href="https://doi.org/10.1016/j.dark.2021.100925">https://doi.org/10.1016/j.dark.2021.100925</a>		Scopus	Web of Science
468	Stability Analysis of two fluid dark energy models	B. Mishra, F. Md. Esmaili, P. P. Ray and S. K. Tripathy	Physics	Physica Scripta	2021	1402-4896	<a href="#">Physica Scripta - IOPscience</a>	<a href="https://doi.org/10.1088/1402-4896/abdf82">https://doi.org/10.1088/1402-4896/abdf82</a>		Scopus	Web of Science
469	Structural and Elastic properties of Binary semiconductors from Energy gap	A. Pattanaik, S. K. Tripathy, P. Naik and D. Meher	Physics	Journal of Applied Physics A	2021	0947-8396	<a href="#">Home   Applied Physics A (springer.com)</a>	DOI: <a href="https://doi.org/10.1007/s00339-020-04159-0">https://doi.org/10.1007/s00339-020-04159-0</a>		Scopus	Web of Science
470	Structural and elastic properties of binary semiconductors from energy gaps	Anup Pattanaik, Sunil K. Tripathy, Poonam Naik, Deepak K. Meher	Physics	Applied Physics A	2021	0947-8396	<a href="#">Home   Applied Physics A (springer.com)</a>	DOI: 10.1007/s00339-020-04159-0		Scopus	Web of Science
471	Study of the open circuit voltage dependence on incident light intensity of planar heterojunction organic solar cell	Anukul Prasad Parhi	Physics	Materials Today: Proceedings	2021	2214-7853	<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2020.08.682">https://doi.org/10.1016/j.matpr.2020.08.682</a>		Scopus	Web of Science

**3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years**

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
472	Wormhole solutions in f(R) gravity	B. Mishra, A. S. Agrawal, S. K. Tripathy and S. Ray	Physics	International J. Of Modern Physics B	2021	0218-2718	<a href="#">International Journal of Modern Physics B</a>	<a href="https://doi.org/10.1142/S0218271821500619">https://doi.org/10.1142/S0218271821500619</a>		Scopus	
473	A New Perspective on the Green Strategy of Close Cycle Dissociation of H <sub>2</sub> S	Bachcha Lal, Dan Bahadur Pal, Chandradhwaj Nayak, Amit Kumar Gupta & Arvind Singh	Chemical Engg.	Journal of The Institution of Engineers (India): Series E	2022		<a href="#">Home   Journal of The Institution of Engineers (India)</a>	<a href="https://doi.org/10.1007/s40034-022-00239-3">https://doi.org/10.1007/s40034-022-00239-3</a>		Scopus	Web of Science
474	Development of chitosan-based hybrid membrane modified with ionic-liquid and carbon nanotubes for direct methanol fuel cell operating at moderate temperature.	Dr H Sutar , R. Murmu	Chemical Engg.	Polymer Bulletin	2022		<a href="#">Home   Polymer Bulletin (springer.com)</a>	<a href="https://doi.org/10.1007/s00289-022-04246-7">https://doi.org/10.1007/s00289-022-04246-7</a>		Scopus	Web of Science
475	Optimization Process Parameter by RSM BBD for the removal of titan yellow dye from aqueous solution by acid treated phyllanthus acidus leaves	Chandradhwaj Nayak, Babitha Babu, V. Manoj, Chelluboyana Vaishnava Raghunath, M. Laxmi Deepak Bhatlu & Poornima Pandey	Chemical Engg.	Biomass conversion and bio refinery	2022		<a href="#">Home   Biomass Conversion and Biorefinery (springer.com)</a>	<a href="https://doi.org/10.1007/s13399-023-04474-5">https://doi.org/10.1007/s13399-023-04474-5</a>		Scopus	Web of Science
476	Mineralogical investigation on preheating studies of high LOI iron ore pellet	Kashinath Barik , Pallishree Prusti , Shatrughan Soren, B.C. Meikap, S.K. Biswal	Chemical Engg.	Powder Technology	2022		<a href="#">Powder Technology   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.powtec.2023.118315">https://doi.org/10.1016/j.powtec.2023.118315</a>		Scopus	Web of Science
477	Mathematical approach and experimental validation on criteria for instability of interface between liquid droplet and water	Amit Kumar Gupta, Arvind Singh, Rajen Kumar Nayak, Ravi Shankar Prasad, Chelluboyana Vaishnava Raghunath, Chandradhwaj Nayak & Amar Kumar	Chemical Engg.	Journal of Applied Mathematics and Physics / Journal de Mathématiques et de Physique appliquées	2022		<a href="#">Home   Zeitschrift für angewandte Mathematik und Physik (springer.com)</a>	<a href="https://doi.org/10.1007/s00033-022-01928-0">https://doi.org/10.1007/s00033-022-01928-0</a>		Scopus	Web of Science
478	Effect of Sulphuric acid on the physicochemical properties of chitosan PVA blend for direct methanol fuel cell	RABIRANJAN MURMU, DEBASHIS ROY, HAREKRUSHNA SUTAR, PRAGYAN SENAPATI, AND SWETAK ABHISEK MOHAPATRA	Chemical Engg.	J. of polymer Material	2022		<a href="#">Journal of Polymer Materials   ScienceDirect.com by Elsevier</a>	<a href="http://dx.doi.org/10.32381/JPM.2022.39.1-2.6">http://dx.doi.org/10.32381/JPM.2022.39.1-2.6</a>		Scopus	Web of Science
479	Development of highly performed chitosan based thin film towards the sustainability of direct methanol fuel cell	Rabiranjana Murmu, Debashis Roy, Harekrushna Sutar, Pragyana Senapati & Sarat Chandra Patra	Chemical Engg.	Polymer Plastic technology and materials	2022		<a href="#">Polymer-Plastics Technology and Material</a>	<a href="https://doi.org/10.1080/25740881.2022.2133616">https://doi.org/10.1080/25740881.2022.2133616</a>		Scopus	
480	Development of highly performed chitosan based thin film towards the sustainability of direct methanol fuel cell	R. Murmu, rP Senapati, D Roy, Dr H Sutar, S C Patra	Chemical Engg.	Polymer Plastic technology and materials	2022		<a href="#">Polymer-Plastics Technology and Material</a>	<a href="https://doi.org/10.1080/25740881.2022.2133616">https://doi.org/10.1080/25740881.2022.2133616</a>		Scopus	
481	polypropelene and graphene composites: Effect of selected 2D Nanofiller's plate sizes on fundamental physiochemical Properties	Sarat Chandra Patra , Sumit Swain ,Pragyana Senapati ORCID, Himadri Sahu , Rabiranjana Murmu andHarekrushna Sutar	Chemical Engg.	Inventions and Innovation in Applied Chemistry and Physics	2022		<a href="#">Inventions and Innovation in Applied Chemistry and Physics - A section of Inventions (mdpi.com)</a>	<a href="https://doi.org/10.3390/inventions8010008">https://doi.org/10.3390/inventions8010008</a>		Scopus	
482	polypropelene and graphene composites: Effect of selected 2D Nanofiller's plate sizes on fundamental physiochemical Properties	S C Patra, S SWAIN, P Senapati, R. Murmu, D Roy, Dr H Sutar	Chemical Engg.	Inventions and Innovation in Applied Chemistry and Physics	2022		<a href="#">Inventions and Innovation in Applied Chemistry and Physics - A section of Inventions (mdpi.com)</a>	<a href="https://doi.org/10.3390/inventions8010008">https://doi.org/10.3390/inventions8010008</a>		Scopus	

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
483	Effect of Sulphuric acid on the physicochemical properties of chitosan PVA blend for direct methanol fuel cell	RABIRANJAN MURMU, DEBASHIS ROY, HAREKRUSHNA SUTAR, PRAGYAN SENAPATI, AND SWETAK ABHISEK MOHAPATRA	Chemical Engg.	J. of polymer Material	2022		<a href="http://dx.doi.org/10.32381/JPM.2022.39.1-2.6">http://dx.doi.org/10.32381/JPM.2022.39.1-2.6</a> <a href="http://dx.doi.org/10.32381/JPM.2022.39.1-2.6">Journal of Polymer Materials   ScienceDirect.com by Elsevier</a>			Scopus	Web of Science
484	Mathematical modelling and simulation of active direct methanol fuel cell	RABIRANJAN MURMU, DEBASHIS ROY, HAREKRUSHNA SUTAR, PRAGYAN SENAPATI, SWETAK ABHISEK MOHAPATRA	Chemical Engg.	J. of polymer Material	2022		<a href="http://dx.doi.org/10.32381/JPM.2023.40.3-4.1">http://dx.doi.org/10.32381/JPM.2023.40.3-4.1</a> <a href="http://dx.doi.org/10.32381/JPM.2023.40.3-4.1">Journal of Polymer Materials   ScienceDirect.com by Elsevier</a>			Scopus	Web of Science
485	Mathematical modelling and simulation of active direct methanol fuel cell	RABIRANJAN MURMU, DEBASHIS ROY, HAREKRUSHNA SUTAR, PRAGYAN SENAPATI, SWETAK ABHISEK MOHAPATRA	Chemical Engg.	J. of polymer Material	2022		<a href="http://dx.doi.org/10.32381/JPM.2023.40.3-4.1">http://dx.doi.org/10.32381/JPM.2023.40.3-4.1</a> <a href="http://dx.doi.org/10.32381/JPM.2023.40.3-4.1">Journal of Polymer Materials   ScienceDirect.com by Elsevier</a>			Scopus	Web of Science
486	Coal and its beneficiation technique: A review	B. Sahoo, K S S Sahoo	Chemical Engg.	Euro Chemical Bulletin	2022	2063-5346	<a href="http://dx.doi.org/10.32381/JPM.2022.39.1-2.6">European Chemical Bulletin (eurchembull.com)</a>				
487	Experimental Investigation and optimization of the FDM process using PLA	Sujata Sahoo Harekrushna Sutar Pragyan Senapati Bhabani Shankar Mohanta Prasant Ranjan Dhal Subrat Kumar Baral	Chemical Engg.	Materials Today: Proceedings	2022		<a href="https://doi.org/10.1016/j.matpr.2022.11.208">https://doi.org/10.1016/j.matpr.2022.11.208</a> <a href="https://doi.org/10.1016/j.matpr.2022.11.208">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>			Scopus	Web of Science
488	Performance of Bioremediation Strategy in waste lubricating oil pollutants : A Review	J Kanungo, T saho, I D Behera	Chemical Engg.	Geomicrobiology Journal	2022		<a href="https://doi.org/10.1080/01490451.2023.2245395">https://doi.org/10.1080/01490451.2023.2245395</a> <a href="https://doi.org/10.1080/01490451.2023.2245395">Geomicrobiology Journal   Taylor &amp; Francis</a>			Scopus	
489	Effect of C/N ratio, temperature, and pH on the removal of ammonia-nitrogen from wastewater using inverse fluidized bed biofilm reactor	Dr Anup K Swain	Chemical Engg.	Indian Journal of Chemical Technology,	2022		<a href="https://doi.org/10.56042/ijct.v29i4.59667">Vol. 29 No. 4 (2022): Indian Journal of Chemical Technology   Taylor &amp; Francis</a> <a href="https://doi.org/10.56042/ijct.v29i4.59667">https://doi.org/10.56042/ijct.v29i4.59667</a>			Scopus	
490	Performance investigation of MISO soft sensors in predicting AQI: A comparative analysis	S. Banerjee, Dipa Das	Chemical Engg.	Indian Chemical Engineer	2022		<a href="https://doi.org/10.1080/00194506.2024.2313493">https://doi.org/10.1080/00194506.2024.2313493</a> <a href="https://doi.org/10.1080/00194506.2024.2313493">Indian Chemical Engineer   Taylor &amp; Francis</a>			Scopus	
491	Performance investigation of MISO soft sensors in predicting AQI: A comparative analysis	S. Banerjee, Dipa Das	Chemical Engg.	Indian Chemical Engineer	2022		<a href="https://doi.org/10.1080/00194506.2024.2313493">https://doi.org/10.1080/00194506.2024.2313493</a> <a href="https://doi.org/10.1080/00194506.2024.2313493">Indian Chemical Engineer   Taylor &amp; Francis</a>			Scopus	
492	Applicability of Teetered bed separator for beneficiating indian iron ore Fines: An Experimental study	B. Pradhan, I D Behera, K Sahoo, S Mohanta	Chemical Engg.	Journals of Mine, Metals and fuels	2022		<a href="http://dx.doi.org/10.18311/jmmf/2023/31100">http://dx.doi.org/10.18311/jmmf/2023/31100</a> <a href="http://dx.doi.org/10.18311/jmmf/2023/31100">Journal of Mines, Metals and Fuels (informa)</a>			Scopus	
493	Applicability of Teetered bed separator for beneficiating indian iron ore Fines: An Experimental study	B. Pradhan, I D Behera, K Sahoo, S Mohanta	Chemical Engg.	Journals of Mine, Metals and fuels	2022		<a href="http://dx.doi.org/10.18311/jmmf/2023/31100">http://dx.doi.org/10.18311/jmmf/2023/31100</a> <a href="http://dx.doi.org/10.18311/jmmf/2023/31100">Journal of Mines, Metals and Fuels (informa)</a>			Scopus	
494	Capturing Pseudocritical property change in steam in a spiral steam pipe of a boiler through Numerical technique	D K Kanungo, P Senapati, H K Sutar	Chemical Engg.	Euro Chemical Bulletin	2022						
495	Micro fiber pollution and its Microbial mitigation: A review on current trends and future perspective	A P Das, K Dutta, R Khatun, I D Behera, S Singh	Chemical Engg.	Journal of the Taiwan Institute of Chemical Engineer	2022		<a href="https://doi.org/10.1016/j.jtice.2023.105104">https://doi.org/10.1016/j.jtice.2023.105104</a> <a href="https://doi.org/10.1016/j.jtice.2023.105104">Journal of the Taiwan Institute of Chemical Engineering</a>			Scopus	Web of Science
496	Green synthesis of sub 10 nm silver nanoparticles in gram scale using free impinging jet reactor	Dr K Sahoo	Chemical Engg.	Chemical Engineering and Processing-Process Intensification	2022		<a href="https://doi.org/10.1016/j.cep.2021.108439">CEP:PI   Chemical Engineering and Processing   ScienceDirect.com by Elsevier</a> <a href="https://doi.org/10.1016/j.cep.2021.108439">https://doi.org/10.1016/j.cep.2021.108439</a>			Scopus	Web of Science

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
497	Preparation and characterization of Red Mud modified Chitosan-PVA composite membrane for direct methanol fuel cell	Dr H Sutar, R. Murmu	Chemical Engg.	Journal of Electrochemical Energy Conversion and Storage	2022		<a href="#">J. Electrochem. En. Conv. Stor   ASME Dig</a>	<a href="https://doi.org/10.1115/1.4055693">https://doi.org/10.1115/1.4055693</a>		Scopus	
498	An appropriate Numerical model to capture Pseudocritical Property change of steam flowing inside straight tube	D K Kanungo, B Sahoo, H K Sutar, R Murmu,	Chemical Engg.	Euro Chemical Bulletin	2022	2063-5346	<a href="#">European Chemical Bulletin (eurchembull)</a>	<a href="http://dx.doi.org/10.48047/ecb/2023.12.10.8072023.17/08/2023">http://dx.doi.org/10.48047/ecb/2023.12.10.8072023.17/08/2023</a>			
499	An appropriate Numerical model to capture Pseudocritical Property change of steam flowing inside straight tube	D K Kanungo, B Sahoo, H K Sutar, R Murmu,	Chemical Engg.	Euro Chemical Bulletin	2022	2063-5346	<a href="#">European Chemical Bulletin (eurchembull)</a>	<a href="http://dx.doi.org/10.48047/ecb/2023.12.10.8072023.17/08/2023">http://dx.doi.org/10.48047/ecb/2023.12.10.8072023.17/08/2023</a>			
500	An appropriate Numerical model to capture Pseudocritical Property change of steam flowing inside straight tube	D K Kanungo, B Sahoo, H K Sutar, R Murmu,	Chemical Engg.	Euro Chemical Bulletin	2022	2063-5346	<a href="#">European Chemical Bulletin (eurchembull)</a>	<a href="http://dx.doi.org/10.48047/ecb/2023.12.10.8072023.17/08/2023">http://dx.doi.org/10.48047/ecb/2023.12.10.8072023.17/08/2023</a>			
501	The Mechanical and Thermal behaviour of unsaturated polyester Matrix composite filled with pistachio shell particles	Dr H Sutar, R. Murmu	Chemical Engg.	Materials Today: Proceedings	2022		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2022.09.460">https://doi.org/10.1016/j.matpr.2022.09.460</a>		Scopus	Web of Science
502	The Mechanical and Thermal behaviour of unsaturated polyester Matrix composite filled with pistachio shell particles	Dr H Sutar, R. Murmu	Chemical Engg.	Materials Today: Proceedings	2022		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2022.09.460">https://doi.org/10.1016/j.matpr.2022.09.460</a>		Scopus	Web of Science
503	Effect of zinc oxide on the mechanical , thermal and physiochemical properties of chitosan based hybrid membrane for DMFC application	N R Dash , Dr H Sutar, R. Murmu	Chemical Engg.	Materials Today: Proceedings	2022		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2023.06.082">https://doi.org/10.1016/j.matpr.2023.06.082</a>		Scopus	Web of Science
504	Effect of zinc oxide on the mechanical , thermal and physiochemical properties of chitosan based hybrid membrane for DMFC application	N R Dash , Dr H Sutar, R. Murmu	Chemical Engg.	Materials Today: Proceedings	2022		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2023.06.082">https://doi.org/10.1016/j.matpr.2023.06.082</a>		Scopus	Web of Science
505	Effect of Sulphuric acid on the physiochemical properties of chitosan PVA blend for direct methanol fuel cell	RABIRANJAN MURMU, DEBASHIS ROY, HAREKRUSHNA SUTAR, PRAGYAN SENAPATI, AND SWETAK ABHISEK MOHAPATRA	Chemical Engg.	J. of polymer Material	2022		<a href="#">Journal of Polymer Materials   ScienceDirect.com by Elsevier</a>	<a href="http://dx.doi.org/10.32381/JPM.2022.39.1-2.6">http://dx.doi.org/10.32381/JPM.2022.39.1-2.6</a>		Scopus	Web of Science
506	<a href="#">Band gap tailoring and photosensitivity study of Al-doped SnO2 nanocrystallites prepared by sol-gel technique</a>	Binod Bihari Panda, Debakanta Tripathy, Niladri Maity	Chemistry	Journal of Materials Science: Materials in Electronics	2022		<a href="#">Home   Journal of Materials Science: Mat</a>	<a href="https://doi.org/10.1007/s10854-022-09167-9">https://doi.org/10.1007/s10854-022-09167-9</a>		Scopus	Web of Science
507	Chlorophyll-a functionalised Zn-Cd-S thin film fabricated by SILAR technique for dye sensitised solar cells	Mahesh Kumar Ghosh, Rabindra Kumar Send, Prasanta Kumar Mahapatra, Binod Bihari Panda	Chemistry	Inorganic Chemistry Communications, ELSEVIER	2022	1387-7003	<a href="#">Inorganic Chemistry Communications   Jo</a>	<a href="https://doi.org/10.1016/j.inoche.2022.109670">https://doi.org/10.1016/j.inoche.2022.109670</a>		Scopus	Web of Science
508	<a href="#">Design aspects of a continuous flow photocatalytic reactor and its application to degrade methylene blue and textile wastewater</a>	Chittaranjan Sahoo, Binod Bihari Panda, Ashok Kumar Gupta	Chemistry	Chemistry Select	2022		<a href="#">Chemistry Europe - Wiley Online Library</a>	<a href="https://doi.org/10.1002/slct.202201179">https://doi.org/10.1002/slct.202201179</a>		Scopus	
509	Lanthanide based inorganic phosphates and biological nucleotides sensor	Jashobanta Sahoo, Chidharth Krishnaraj, JiaminSun, Binod Bihari Panda, Palani S. Subramanian, Himanshu Sekhar Jena,	Chemistry	Coordination Chemistry Reviews	2022	0010-8545.	<a href="#">Coordination Chemistry Reviews   Journal</a>	<a href="https://doi.org/10.1016/j.ccr.2022.214583">https://doi.org/10.1016/j.ccr.2022.214583</a>		Scopus	Web of Science



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510	<a href="#">Design aspects of a continuous flow photocatalytic reactor and its application to degrade methylene blue and textile wastewater</a>	Chittaranjan Sahoo, Binod Bihari Panda, Ashok Kumar Gupta	CIVIL	Chemistry Select	2022		<a href="#">Chemistry Europe - Wiley Online Library</a>	<a href="https://doi.org/10.1002/slct.202201179">https://doi.org/10.1002/slct.202201179</a>		Scopus	
511	Design aspects of a continuous flow photocatalytic reactor and its application to degrade methylene blue and textile wastewater	K Rout, M K saho, C R Sahoo	CIVIL	Chemistry Select	2022	e202201179	<a href="https://chemistry-europe.onlinelibrary.wiley.com/">https://chemistry-europe.onlinelibrary.wiley.com/</a>	<a href="https://doi.org/10.1002/slct.202201179">https://doi.org/10.1002/slct.202201179</a>		Scopus	
512	<a href="#">Effect of shrinkage on slant shear and flexure bond strength of cement based micro-concrete for durable concrete repair</a>	DR Nayak, P R R, BC Panda	CIVIL	Journal of Building Pathology and Rehabilitation	2022	2365-3167	<a href="https://www.springer.com">https://www.springer.com</a>	<a href="https://doi.org/10.1007/s41024-021-00161-y">https://doi.org/10.1007/s41024-021-00161-y</a>		scopus	Web of science
513	A new approach of image denoising based on adaptive multi-resolution technique	Lalit Mohan Satapathy, Pranati Das	EE	Nigerian Journal of Technological Development	2022	2437-2110	<a href="#">Nigerian Journal of Technological Development (ajoi.info)</a>	10.4314/njtd.v19i1.10		Scopus	
514	Automated segmentation of blood vessels in retinal images based on entropy weighted thresholding	Deepak Kumar Maharana, Pranati Das, Ranjeet Kumar Rout	EE	Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization	2022	2168-1163	<a href="#">Computer Methods in Biomechanics and Biomedical Engineering: Imaging &amp; Visualization   Taylor &amp; Francis Online (tandfonline.com)</a>	<a href="https://doi.org/10.1080/21681163.2022.2083982">https://doi.org/10.1080/21681163.2022.2083982</a>		Scopus	
515	Controller Design for the Pitch Control of an Autonomous Underwater Vehicle	L Priyadarshini, Shubhasri Kundu, Manoj Kumar Maharana, Bibhu Prasad Ganthia	EE	Engineering, Technology & Applied Science Research	2022	1792-8036	<a href="#">Engineering, Technology &amp; Applied Science Research (etasr.com)</a>	<a href="https://doi.org/10.48084/etasr">https://doi.org/10.48084/etasr</a>		Scopus	
516	Delay-discretization-based sliding mode H <sup>∞</sup> load frequency control scheme considering actuator saturation of wind-integrated power system	Subrat Kumar Pradhan, Dushmanta Kumar Das	EE	The Journal of Supercomputing	2022		<a href="#">Home   The Journal of Supercomputing (springer.com)</a>	10.1007/s11227-022-04397-4		Scopus	
517	<a href="#">Design and Implementation of a Floating PV Model to Analyse the Power Generation</a>	Mohamad Reda A Refaai, Lavanya Dhanesh, Bibhu Prasad Ganthia, Monalisa Mohanty, Ram Subbiah, Endalkachew Mergia Anbesse	EE	International Journal of Photoenergy, Hindawi	2022	1687-529X	<a href="#">International Journal of Photoenergy - Wiley Online Library</a>	<a href="https://doi.org/10.1155/2022/3891881">https://doi.org/10.1155/2022/3891881</a>		Scopus	
518	<a href="#">Fault Analysis of PI and Fuzzy-Logic-Controlled DFIG-based Grid-Connected Wind Energy Conversion System</a>	Bibhu Prasad Ganthia, Subrat Kumar Barik	EE	Journal of The Institution of Engineers (India): Series B, Springer	2022		<a href="#">Home   Journal of The Institution of Engineers (India): Series B (springer.com)</a>	<a href="https://doi.org/10.1007/s40031-021-00664-9">https://doi.org/10.1007/s40031-021-00664-9</a>		Scopus	Web of Science
519	Genetic Algorithm Optimized and Type-I fuzzy logic controlled power smoothing of mathematical modeled Type-III DFIG based wind turbine system	Bibhu Prasad Ganthia, Subrat Kumar Barik, Byamakesh Nayak	EE	Materials Today Proceedings, Elsevier	2022		<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.matpr.2021.10.193">https://doi.org/10.1016/j.matpr.2021.10.193</a>		Scopus	Web of Science
520	H <sup>∞</sup> Controller Design for Frequency Control of Delayed Power System with Actuator Saturation and Wind Source Integration	Subrat Kumar Pradhan, Dushmanta Kumar Das	EE	Arabian Journal for Science and Engineering	2022	2193-567X	<a href="#">Home   Arabian Journal for Science and Engineering (springer.com)</a>	10.1007/s13369-021-06479-6		Scopus	Web of Science
521	Improvement in Fault Tolerant Capability of ST-DTC for Five-Phase Induction Motor using Neural Network	U Mahanta, AK Panda, BP Panigrahi	EE	Journal of The Institution of Engineers (India) Series B April 2022	2022	2250-2114	<a href="#">Home   Journal of The Institution of Engineers (India): Series B (springer.com)</a>	<a href="https://doi.org/10.1007/s40031-022-00742-6">doi.org/10.1007/s40031-022-00742-6</a>		Scopus	Web of Science
522	<a href="#">Improvement in Fault Tolerant Capability of ST-DTC for Five-Phase Induction Motor using Neural Network</a>	Umakanta Mahanta	EE	Journal of The Institution of Engineers (India): Series B	2022	2250-2114	<a href="#">Home   Journal of The Institution of Engineers (India): Series B (springer.com)</a>	<a href="https://doi.org/10.1007/s40031-022-00742-6">doi.org/10.1007/s40031-022-00742-6</a>		Scopus	Web of Science
523	Internal model control based proportional-integral controller with class topper optimization for power control of molten salt breeder reactor core	Subrat Kumar Pradhan, Debasis Acharya, Dushmanta Kumar Das	EE	Annals of Nuclear Energy	2022		<a href="#">Annals of Nuclear Energy   Journal   ScienceDirect.com by Elsevier</a>	10.1016/j.anucene.2021.108675		Scopus	Web of Science

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
524	JAYA Algorithm-Optimized Load Frequency Control of a Four-Area Interconnected Power System Tuning Using PID Controller	Sunita Pahadasingh, Chitralkha Jena, Chinmoy Kumar Panigrahi, Bibhu Prasad Ganthia	EE	Engineering, Technology & Applied Science Research	2022	1792-8036	<a href="http://Engineering, Technology &amp; Applied Science Research (etasr.com)">Engineering, Technology &amp; Applied Science Research (etasr.com)</a>	<a href="https://doi.org/10.48084/etasr">https://doi.org/10.48084/etasr</a>		Scopus	
525	Modular unmanned aerial vehicle platform design: Multi-objective evolutionary system method	Wenyi Zheng, Abolfazi Mehbodniya, Rahul Neware, Surindar Gopalrao Wawale, Bibhu Prasad Ganthia, Mohammad Shabaz	EE	Computers and Electrical Engineering, Pergamon, Elsevier	2022		<a href="http://Computers and Electrical Engineering   Journal   ScienceDirect.com by Elsevier">Computers and Electrical Engineering   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.compeleceng.2022.107838">https://doi.org/10.1016/j.compeleceng.2022.107838</a>		Scopus	Web of Science
526	Monitoring Nonlinearities and Power Smoothing in Modified Mathematical Modeled Type-III Wind Turbine System using Artificial Neural Network	Bibhu Prasad Ganthia, Shilpa Patra, Binodinee Swain, Monalisa Mohanty, Sunita Pahadasingh	EE	International Journal of Mechanical Engineering, Kalahari	2022	0974-5823	<a href="https://www.kalaharijournals.com/">https://www.kalaharijournals.com/</a>	<a href="https://kalaharijournals.com/resources/FebV7_I2_39">https://kalaharijournals.com/resources/FebV7_I2_39</a>	UGC-CARE List Group II	Scopus	
527	Monitoring Nonlinearities and Power Smoothing in Modified Mathematical Modeled Type-III Wind Turbine System using Artificial Neural Network	Bibhu Prasad Ganthia, Shilpa Patra, Binodinee Swain, Monalisa Mohanty, Sunita Pahadasingh	EE	International Journal of Mechanical Engineering, Kalahari	2022	0974-5823	<a href="https://www.kalaharijournals.com/">https://www.kalaharijournals.com/</a>	<a href="https://kalaharijournals.com/resources/FebV7_I2_39">https://kalaharijournals.com/resources/FebV7_I2_39</a>	UGC-CARE List Group II	Scopus	
528	Monitoring Nonlinearities and Power Smoothing in Modified Mathematical Modeled Type-III Wind Turbine System using Artificial Neural Network	Bibhu Prasad Ganthia, Shilpa Patra, Binodinee Swain, Monalisa Mohanty, Sunita Pahadasingh	EE	International Journal of Mechanical Engineering, Kalahari	2022	0974-5823	<a href="https://www.kalaharijournals.com/">https://www.kalaharijournals.com/</a>	<a href="https://kalaharijournals.com/resources/FebV7_I2_39">https://kalaharijournals.com/resources/FebV7_I2_39</a>	UGC-CARE List Group II	Scopus	
529	Nonlinear dynamic measurement method of software reliability based on data mining	Yinsheng Fu, Jullius Kumar, Bibhu Prasad Ganthia, Rahul Neware	EE	International Journal of System Assurance Engineering and Management, Springer	2022		<a href="http://Home   International Journal of System Assurance Engineering and Management (springer.com)">Home   International Journal of System Assurance Engineering and Management (springer.com)</a>	<a href="https://doi.org/10.1007/s13198-021-01389-0">https://doi.org/10.1007/s13198-021-01389-0</a>		Scopus	Web of Science
530	Positional Identification Based Whale Optimization Algorithm for Dynamic Thermal-Wind-PV Economic Emission Dispatch Problem	S Padhi, BP Panigrahi, DP Dash	EE	Transactions of the Indian National Academy of Engineering Springer Publication	2022	2662-5423	<a href="http://Home   Transactions of the Indian National Academy of Engineering (springer.com)">Home   Transactions of the Indian National Academy of Engineering (springer.com)</a>	<a href="https://doi.org/10.1007/s41403-022-00343">https://doi.org/10.1007/s41403-022-00343</a>		Scopus	Web of Science
531	Radial Basis Function Artificial Neural Network Optimized Stability Analysis in Modified Mathematical Modeled Type-III Wind Turbine System Using Bode Plot and Nyquist Plot	Bibhu Prasad Ganthia, Subrat Kumar Barik, Byamakesh Nayak	EE	ECS Transactions, IOP Publishing	2022		<a href="http://ECS Transactions - IOPscience">ECS Transactions - IOPscience</a>	<a href="https://doi.org/10.1149/10701.5663ecst">https://doi.org/10.1149/10701.5663ecst</a>		Scopus	
532	Simulation Model of PV System Function in Standalone Mode for Grid Blackout Area	Bibhu Prasad Ganthia, R Dharmaprakash, Tushar Choudhary, T Vijay Muni, Essam A Al-Ammar, AH Seikh, MH Siddique, Abdi Diriba	EE	International Journal of Photoenergy, Hindawi	2022	1687-529X	<a href="http://International Journal of Photoenergy - Wiley Online Library">International Journal of Photoenergy - Wiley Online Library</a>	<a href="https://doi.org/10.1155/2022/6202802">https://doi.org/10.1155/2022/6202802</a>		Scopus	
533	Strategic integration of photovoltaic, battery energy storage and switchable capacitor for multi-objective optimization of low voltage electricity grid: Assessing grid benefits	Chinmay Kumar Nayak	EE	Renewable Energy Focus	2022	1878-0229	<a href="http://Renewable Energy Focus   Journal   ScienceDirect.com by Elsevier">Renewable Energy Focus   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.ref.2022.02.006">https://doi.org/10.1016/j.ref.2022.02.006</a>		Scopus	Web of Science
534	VMD Based Image Quality Enhancement Using Multi Technology Fusion	Lalit Mohan Satapathy, Pranati Das	EE	Review of Computer Engineering Research	2022	2410-9142	<a href="http://Conscientia Beam   conscientiabeam.com">Conscientia Beam   conscientiabeam.com</a>	<a href="https://doi.org/10.18488/76.v9i1.2991">https://doi.org/10.18488/76.v9i1.2991</a>		Scopus	
535	Design of 256-bit Data Security Unit with the Analysis of Security Attacks	Paresh Kumar Pasayat, Soumya Ranjan Panigrahi, Manaswini Mishra, Ajay Kumar Manadhata	ETC	International Journal of Innovative Research in Computer and Communication Engineering	2022	e-ISSN: 2320-9801, p-ISSN: 2320-9798	<a href="http://www.ijrccce.com">www.ijrccce.com</a>	DOI: 10.15680/IJRCCCE.2022.1005098	UGC Care		

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
536	A proposal for testing kit of corona viruses using 3D photonic structure	Sangram Kishore Mohanty, Subhankar Das, K. P. Swain, Urmila Bhanja & G. Palai	ETC	Microsystem Technologies	2022		<a href="#">Home   Microsystem Technologies (springer.com)</a>	doi.org/10.1007/s00542-020-05050-x (0123456789(),.-volV)(0123456789(),.-volV)		Scopus	Web of Science
537	Micro Cylindrical Ultrasonic Motor with Improved Power and Efficiency	Gyanabrata Sahoo, Baruna Kumar Turuk & Basudeba Behera	ETC	Springer Nature	2022	Online ISSN 2092-7592 Print ISSN 1229-7607	<a href="#">Home   Transactions on Electrical and Electronic Engineering</a>	<a href="https://link.springer.com/article/10.1007/s42341-023-00441-z">https://link.springer.com/article/10.1007/s42341-023-00441-z</a>		Scopus	Web of Science
538	Performance Evaluation of MIMO-OFDM-FSO with Modified Receiver	Chinmayee Panda, U Bhanja	ETC	IETE Journal of Research	2022		<a href="#">IETE Journal of Research   Taylor &amp; Francis</a>	<a href="https://doi.org/10.1080/03772063.2023.2173674">https://doi.org/10.1080/03772063.2023.2173674</a>		Scopus	Web of Science
539	Performance Evaluation of MIMO-OFDM-FSO with Modified Receiver	Chinmayee Panda, U Bhanja	ETC	IETE Journal of Research	2022		<a href="#">IETE Journal of Research   Taylor &amp; Francis</a>	<a href="https://doi.org/10.1080/03772063.2023.2173674">https://doi.org/10.1080/03772063.2023.2173674</a>		Scopus	Web of Science
540	Coal and its beneficiation technique: A review	B. Sahoo, K S S Sahoo	Mechanical Engg.	Euro Chemical Bulletin	2022	2063-5346	<a href="#">European Chemical Bulletin (eurchembull.com)</a>				
541	An advanced mean field dislocation density reliant physical model to predict the creep deformation of 304HCu austenitic stainless steel	Pankhuri Mehrotra, Nitesh Kumar, Alphy George, Kanhu Charan Sahoo, Vaidyanathan Ganesan, Mohammad Reza Ahmadi, Shivam Trivedi, Surya D. Yadav	MME	Materials Today Communications	2022	Vol.32, (2022), PP. 104-128	<a href="#">Materials Today: Proceedings   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.mtcomm.2022.104128">https://doi.org/10.1016/j.mtcomm.2022.104128</a>		Scopus	Web of Science
542	Development of Improved Flexural and Impact Performance of Kevlar/Carbon/Glass Fibers Reinforced Polymer Hybrid Composites	Sonali Rout, Ramesh Kumar Nayak, Suresh Chandra Patnaik, Hamed Yazdani Nezhad	MME	Journal of Composites Science, MDPI	2022		<a href="#">Journal of Composites Science   An Open Access Journal</a>	<a href="https://doi.org/10.3390/jcs6090245">https://doi.org/10.3390/jcs6090245</a>		Scopus	
543	Multiaxial creep deformation and influence of different precipitate on creep cavitation failure of 304HCu SS	Kanhu Charan Sahoo, P. Parameswaranand K. Laha	MME	Journal of Material Engineering and performances	2022		<a href="#">Home   Journal of Materials Engineering and Performances</a>	<a href="https://doi.org/10.1007/s11665-022-07103-w">https://doi.org/10.1007/s11665-022-07103-w</a>		Scopus	Web of Science
544	Tailoring the Processing Route to Optimize the Strength–Toughness Combination of Pearlitic Steel	Swarnalata Behera, Rakesh Kumar Barik, Sk. Md. Hasan, Rahul Mitra & Debalay Chakrabarti	MME	Metallurgical and Materials Transactions A (2022)	2022		<a href="#">Home   Metallurgical and Materials Transactions A</a>	<a href="https://doi.org/10.1007/s11661-022-06789-w">https://doi.org/10.1007/s11661-022-06789-w</a>		Scopus	Web of Science
545	<b>The Defining Role of Micro-fissures on the Mechanical Behavior of Laser-Welded Fully Austenitic Stainless Steel</b>	Arnab Sarkar, Soudip Basu, <b>Amulya Bihari Pattnaik</b> , Balila Nagamani Jaya, Shyamprasad Karagadde, Indradev Samajdar, Hemant Kumar, Ravi Kumar, R. Mythili, Chanchal Ghosh, Arup Dasgupta & Shaju Albert	MME	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science	2022	53(6), pp. 2116–2129	<a href="#">Home   Metallurgical and Materials Transactions A</a>	<a href="https://doi.org/10.1007/s11661-022-06654-w">https://doi.org/10.1007/s11661-022-06654-w</a>		Scopus	Web of Science
546	Big Rip Scenario in Brans-Dicke Theory	S K Pradhan, Z Naik and D Behera	Physics	foundations	2022	2673-9321	<a href="#">Foundations   Special Issue : Advances in Foundations</a>	<a href="https://doi.org/10.3390/foundations2010007">https://doi.org/10.3390/foundations2010007</a>		Scopus	
547	Bouncing Cosmological Models in a Functional form of F(R) F(R) F(R) Gravity	A S Agrawal, S Mishra and S K Tripathy, B Mishra	Physics	Gravitation and Cosmology	2022	0202-2893	<a href="#">Home   Gravitation and Cosmology (springer.com)</a>	DOI: 10.1134/S0202289323030027		Scopus	Web of Science
548	Bouncing Cosmology in Modified Gravity with Higher order Gauss-Bonnet curvature term	S V Lohakare, F Tello-Ortiz, S K Tripathy and B Mishra	Physics	Universe	2022	2218-1997	<a href="#">Universe   Special Issue : Dark Matter and Dark Energy</a>	doi.org/10.3390/universe8120636		Scopus	
549	Evolution of Generalized Brans–Dicke Parameter within a Superbounce Scenario	S K Tripathy, S K Pradhan, B Barik, Z Naik and B Mishra	Physics	Symmetry	2022	2073-8994	<a href="#">Symmetry   An Open Access Journal from MDPI</a>	<a href="https://doi.org/10.3390/sym15040790">https://doi.org/10.3390/sym15040790</a>		Scopus	
550	Observationally constrained accelerating cosmological model with higher power of non-metricity and squared trace	A S Agrawal, B Mishra and S K Tripathy	Physics	Journal of High energy Astrophysics	2022	2214-4048	<a href="#">Journal of High Energy Astrophysics   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.jheap.2023.04.001">https://doi.org/10.1016/j.jheap.2023.04.001</a>		Scopus	Web of Science
551	Rip Behaviour in Brans-Dicke Theory	S K Pradhan, Z Naik and S K Tripathy	Physics	Chinese Journal of Physics	2022		<a href="#">Chinese Journal of Physics   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.cjph.2023.06.015">https://doi.org/10.1016/j.cjph.2023.06.015</a>		Scopus	Web of Science

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							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
552	Tunable room temperature ferromagnetism in fullerene thin film induced by 1 MeV proton microbeam irradiation	Ram Kumar, Krishna Mohan, Amala Augusthy, Sandeep Bari, Anukul P. Parhi, Aditya H. Kelkar, Sujay Chakravarty, Neeraj Shukla,	Physics	Thin Solid Films	2022	0040-6090	<a href="#">Thin Solid Films   Journal   ScienceDirect.com</a>	<a href="https://doi.org/10.1016/j.tsf.2022.139350">https://doi.org/10.1016/j.tsf.2022.139350</a>		Scopus	Web of Science
553	A Novel Study of Synthesis, Characterization and Erosion Wear Analysis of Glass-Jute Polyester Hybrid Composite	Satya Ranjan Pal	Production engineering	Journal of the Institution of Engineers (India): Series E	2022	22502491	<a href="#">Home   Journal of The Institution of Engineers (India): Series E</a>	<a href="https://doi.org/10.1007/s40034-023-00268-6">https://doi.org/10.1007/s40034-023-00268-6</a>		Scopus	Web of Science
554	A comparative study on network slicing using meta heuristic algorithm in a networking environment	A Rout, S Dhalbisoyi, D J Mishra, R C Sahoo		International Journal of Creative Research Thoughts	2022	2320-2882	<a href="#">IJCRT.org</a>		UGC Care		
555	A comparative study on network slicing using meta heuristic algorithm in a networking environment	A Rout, S Dhalbisoyi, D J Mishra, R C Sahoo		International Journal of Creative Research Thoughts	2022	2320-2882	<a href="#">IJCRT.org</a>		UGC Care		
556	A comparative study on network slicing using meta heuristic algorithm in a networking environment	A Rout, S Dhalbisoyi, D J Mishra, R C Sahoo		International Journal of Creative Research Thoughts	2022	2320-2882	<a href="#">IJCRT.org</a>		UGC Care		
557	A comparative study on network slicing using meta heuristic algorithm in a networking environment	A Rout, S Dhalbisoyi, D J Mishra, R C Sahoo		International Journal of Creative Research Thoughts	2022	2320-2882	<a href="#">IJCRT.org</a>		UGC Care		
558	Optimal solution for resource allocation in a crahn for eco friendly environment	A Rout, S Dhalbisoyi, R C Sahoo		European Chemical Bulletin	2022	2063-5346	<a href="#">European Chemical Bulletin (eurchembull.vercel.app)</a>		UGC Care		
559	Optimal solution for resource allocation in a crahn for eco friendly environment	A Rout, S Dhalbisoyi, R C Sahoo		European Chemical Bulletin	2022	2063-5346	<a href="#">European Chemical Bulletin (eurchembull.vercel.app)</a>		UGC Care		
560	Optimal solution for resource allocation in a crahn for eco friendly environment	A Rout, S Dhalbisoyi, R C Sahoo		European Chemical Bulletin	2022	2063-5346	<a href="#">European Chemical Bulletin (eurchembull.vercel.app)</a>		UGC Care		
561	An approach of network slicing in next generation networking Environment	A Rout, S Dhalbisoyi, R C Sahoo		Journal of Engineering, computing and architecture	2022		<a href="#">Journal of Engineering, Computing and Architecture – Care UGC Approved group-II Journal (journaleca.com)</a>		UGC Care		
562	An approach of network slicing in next generation networking Environment	A Rout, S Dhalbisoyi, R C Sahoo		Journal of Engineering, computing and architecture	2022		<a href="#">Journal of Engineering, Computing and Architecture – Care UGC Approved group-II Journal (journaleca.com)</a>		UGC Care		
563	An approach of network slicing in next generation networking Environment	A Rout, S Dhalbisoyi, R C Sahoo		Journal of Engineering, computing and architecture	2022		<a href="#">Journal of Engineering, Computing and Architecture – Care UGC Approved group-II Journal (journaleca.com)</a>		UGC Care		
564	A kinetic model and parameters estimate for the synthesis of 2-phenyloctane: a starting material of bio-degradable surfactant	Dr S Banerjee	Chemical Engg.	Indian Chemical Engineer	In press		<a href="#">Indian Chemical Engineer   Taylor &amp; Francis Online (tandfonline.com)</a>	<a href="https://doi.org/10.1080/00194506.2022.2068077">https://doi.org/10.1080/00194506.2022.2068077</a>		Scopus	
565	Impact of Remediation of petroleum Hydrocarbon pollutants in Agricultural land: A Review	S Mohanta, B pradhan, I D Behera	Chemical Engg.	Geomicrobiology Journal			<a href="#">Geomicrobiology Journal   Taylor &amp; Francis Online (tandfonline.com)</a>	<a href="https://doi.org/10.1080/01490451.2023.2243925">https://doi.org/10.1080/01490451.2023.2243925</a>		Scopus	
566	Accelerating Universe and anisotropic dark energy models	S K Tripathy, A Anand, A. Parida, B. Mishra and S. Ray	Physics	Scientific Voyage		2395-5546	<a href="#">Scientific Voyage</a>	<a href="https://doi.org/10.1016/j.dark.2022.101020">https://doi.org/10.1016/j.dark.2022.101020</a>			
567	Bouncing Cosmology in Extended Gravity and Its Reconstruction as Dark Energy Model	A S Agrawal, F. T. Ortiz, B. Mishra and S. K. Tripathy	Physics	Physics of the Dark Universe		NA	<a href="#">Physics of the Dark Universe   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1002/prop.202100065">https://doi.org/10.1002/prop.202100065</a>		Scopus	Web of Science
568	Cosmological model with time varying deceleration parameter in F (R,G) gravity	S. V. Lohakare, S. K. Tripathy and B. Mishra	Physics	Physica Scripta		NA	<a href="#">Physica Scripta - IOPscience</a>	DOI 10.1088/1402-4896/ac40d6		Scopus	Web of Science

**3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years**

Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal				
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list	Scopus	Web of Science
569	Dynamical stability analysis of accelerating f(T) gravity models	V. Lohakare, B. Mishra and S. K. Tripathy	Physics	European Physics Journal C		1434-6044 (Print Edition) ISSN: 1434-6052 (Electronic Edition)	<a href="http://www.epjconferences.com/doi/10.1140/epjc/s10052-022-10406-w">Home   The European Physical Journal C</a>	<a href="https://doi.org/10.1140/epjc/s10052-022-10406-w">https://doi.org/10.1140/epjc/s10052-022-10406-w</a>		Scopus	Web of Science
570	Viscous fluid accelerating model in modified gravity	S. Tarai, P. P. Ray, B. Mishra and S. K. Tripathy	Physics	International Journal of Geometrical Methods in Modern Physics		0219-8878 (print); 1793-6977 (web)	<a href="http://www.worldscientific.com/journal/ijgmmp">International Journal of Geometric Methods in Modern Physics</a>	<a href="https://doi.org/10.1142/S0219887822500608">https://doi.org/10.1142/S0219887822500608</a>		Scopus	