



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Key Indicator 3.3 – Research Publications & Awards

Metric: 3.3.1: Number of Research Papers Published Per Teacher in the Journals Notified on UGC CARE List During Last Five Years

Links to Journal Websites & Scopus Listing

Sr. No.	Title of Paper	Name of the Author/s	Department of the Teacher	Name of Journal	Calendar Year of Publication	ISSN Number	Is it Listed in UGC Care List?	Link to Journal Websites	Scopus Links
1	Synthesize and characterization of copper doped nickel ferrite nanoparticles effect on magnetic properties and visible light catalysis for rhodamine dye degradation mechanism	M Sukumar, Jothi Ramalingam Rajabathar, AL-Lohedan Hamad, S Suresh, Chandra Sekhar Dash, M Sundararajan, <u>Partha Sarathi Subudhi</u> , Selvaraj Arokiyaraj, Ekrem Yanmaz, S Yuvaraj, RS Rimal Isaac	Electrical Engineering	Journal of Alloys and Compounds	2023	0925-8388	Yes	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus.com/sourceid/12325
2	Optimum parameters of variant tuned mass damper using equal eigen value criterion	<u>Vikas M Thakur</u> , O.R.Jaiswal	Civil Engineering	Earthquake engineering and structural dynamics	2023	E-ISSN: 1096-9845, P-ISSN:0098-8847	Yes	https://onlinelibrary.wiley.com/journal/10969845	https://www.scopus.com/sourceid/15620
3	Experimental studies on behavior of hybrid materials concrete using non- destructive testing (NDT) methods	G. Gautham Kishore Reddy, <u>Prathik Kulkarni</u> , P. Rama Rao , <u>Vikas Ravekar</u> , <u>Narendra Kanhe</u>	Civil Engineering	Materials Today Proceeding	2023	E-ISSN: 2214-7853	Yes	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/sourceid/21100370037



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4	NITS-IQA Database: A New Image Quality Assessment Database	<u>Jayesh Ruikar</u> , Saurabh Chaudhury	Electrical Engineering	Sensors	2023	P-ISSN: 1424-3210, E-ISSN: 1424-8220	Yes	https://www.mdpi.com/journal/sensors	https://www.scopus.com/sourceid/130124
5	Design and Implementation of a PV fed Grid Integrated Wireless Electric Vehicle Battery Charger Present in a Residential Environment	<u>Partha Sarathi Subudhi</u> , Sanjeevikumar Padmanaban, Frede Blaabjerg, Dwarkadas Prahladas Kothari	Electrical Engineering	IEEE Journal of Emerging and Selected Topics in Industrial Electronics	2023	2687-9735	No	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8847244	NA
6	Photovoltaic system for maximum power point tracking using hybrid firefly and perturbation and observation algorithm	<u>Lavety Navinkumar Rao</u> , <u>Rahul Somalwar</u> , <u>Harshit Dalvi</u> , <u>Satyavir Singh</u> , <u>Partha Sarathi Subudhi</u>	Electrical Engineering	International Journal of Power Electronics and Drive Systems (IJPEDS)	2023	2088-8694	Yes	https://ijped.s.iaescore.com/index.php/IJPEDS	https://www.scopus.com/sourceid/21100258382
7	Experimental investigations for analyzing performance of a direct evaporative cooling system: A case study	<u>Suraj Vairagade</u> , <u>Santosh Bopche</u> , <u>Narendra Kanhe</u>	Mechanical Engineering	Energy Sources, Part A	2022	E-ISSN: 1556-7230, P-ISSN: 1556-7036	Yes	https://www.tandfonline.com/journals/ueso20	https://www.scopus.com/sourceid/4500151514



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8	Recycling of waste HDPE and PP Plastic in preparation of plastic brick and its mechanical properties	<u>Prathik Kulkarni</u> , <u>Vikas Ravekar</u> , P. Rama Rao, Sahil Waigokar, Sanket Hingankar	Civil Engineering	Cleaner Materials	2022	E-ISSN: 2772-3976	Yes	https://www.sciencedirect.com/journal/cleaner-materials	https://www.scopus.com/sourceid/21101089658
9	Enhanced Optical, Magnetic, and Photocatalytic activity of Mg ²⁺ substituted NiFe ₂ O ₄ spinel nanoparticles	S. Kanithan, N. Arun Vignesh, Khadijah Mohammed Saleh Katubi, <u>Partha Sarathi Subudhi</u> , Ekrem Yanmaz, Joshuva Arockia Dhanraj, Norah Salem Alsaiani, Khamael M. Abualnaja, M. Sukumar, M. Sundararajan, S. Baskar, Srikanta Sahu, Chandra Sekhar Dash	Electrical Engineering	Journal of Molecular Structure	2022	0022-2860	Yes	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/sourceid/24642
10	Anomaly Detection of Smart Grid Equipment Using Machine Learning Applications	A. S. Rajasekaran, P. Kalyanchakravarthi, <u>Partha Sarathi Subudhi</u>	Electrical Engineering	Distributed Generation & Alternative Energy Journal	2022	E-ISSN: 2156-6550; P-ISSN: 2156-3306	Yes	https://journals.riverpublshers.com/index.php/DGAEJ/index	https://www.scopus.com/sourceid/20000195054
11	Unearthing Self: Psychological Crisis in Mistress of Spices and Palace of Illusions	<u>Dr. Naina Jagyasi</u> , Dr. Vinod Asudani	First Year	GIS Science Journal	2022	1869-9391	Yes	https://gisscience.net/	https://www.scopus.com/sourceid/21100364441



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12	FLC-based, PV-fed interleaved dual buck-boost converter for EV battery charging applications	S. Krithiga, N. Sujitha, G.J.S.M. Sandeep, R. Gokulnath, <u>Partha Sarathi Subudhi</u>	Electrical Engineering	Heliyon	2022	E-ISSN: 2405-8440	Yes	https://www.sciencedirect.com/journal/heliyon	https://www.scopus.com/sourceid/21100411756
13	Topological Review of Hybrid RES based Multi-Port Converters	Satya Prasanth Yalla, <u>Partha Sarathi Subudhi</u> , Vigna Kumaran Ramachandaramurthy	Electrical Engineering	IET-Renewable Power Generation	2022	E-ISSN: 1752-1424, P-ISSN:1752-1416	Yes	https://ietresearch.onlinelibrary.wiley.com/journal/17521424	https://www.scopus.com/sourceid/5600152809
14	Synthesis, characterization and in vitro cytotoxic effects of Cu:Co3O4 nanoparticles via microwave combustion method	M. Sundararajan, A. Subramani, Mohd Ubaidullah, Shoyeb Mohamad F. Shaikh, Bidhan Pandit, S. K. Jesudoss, M. Kamalakannan, S. Yuvaraj, <u>Partha Sarathi Subudhi</u> , Chandra Sekhar Dash	Electrical Engineering	Journal of Cluster Science	2022	E-ISSN: 1572-8862, P-ISSN:1040-7278	Yes	https://www.springer.com/journal/10876	https://www.scopus.com/sourceid/24174
15	Crystallinity and cell viability in plasma-sprayed hydroxyapatite coatings	Sachin Ganeshrao Solanke, Vivek Gaval, Amit Pratap, <u>Manish Pasarkar</u>	Mechanical Engineering	Jurnal Tribologi	2021	E-ISSN: 2289-7232	Yes	http://jurnaltribologi.mytribos.org/	https://www.scopus.com/sourceid/21100975550



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16	Current-Fed Bidirectional DC-DC Converter Topology for Wireless Charging System Electrical Vehicle Applications	<u>Partha Sarathi Subudhi</u> , M. Thilagaraj, C. S. Sundar Ganesh, S. Diwakaran, P. Naveen, Saravanakumar Gurusamy, M. Pallikonda Rajasekaran	Electrical Engineering	Wireless Communications and Mobile Computing	2021	E-ISSN: 1530-8677, P-ISSN:1530-8669	Yes	https://www.hindawi.com/journals/wcmc/	https://www.scopus.com/sourceid/17543
17	Experimental Behaviour of Smart Concrete Embedded with Micro Carbon Fibres as sensing material	<u>Arvind Kumar Cholker</u> , <u>Prathik Kulkarni</u> , <u>Vikas Ravekar</u>	Civil Engineering	IOP Science : Journal of Physics (JPCS)	2021	E-ISSN: 1742-6596	Yes	https://iopscience.iop.org/journal/1742-6596	https://www.scopus.com/sourceid/130053
18	Mobile based Detection and Prevention of Alzheimer's Disease	Sanmay Paniker, Utkarsh Taksande, Piyush Ghotkar, Avatar Gautam, Nidhi Dave, Millennium Sonule, <u>Dr. Sagarkumar Badhiye</u>	Computer Engineering	International Research Journal of Engineering and Technology (IRJET)	2021	E- ISSN: 2395-0056; P-ISSN: 2395-0072	No	https://www.irjet.net/	NA
19	Adsorption of Cr(VI) from Aqueous Solution on Mixed Oxide Nano Fe-Al nanoparticles	<u>Vivek Bhusari</u> , Amit Bansawal, Sadhna Rayalu	First Year	Advanced Material Proceeding	2021	E- ISSN: 2002-441X; P-ISSN: 2002-4428	No	https://amp.iaamonline.org/	NA



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20	BULK VISCOUS BIANCHI TYPE I BAROTROPIC FLUID COSMOLOGICAL MODEL WITH VARYING Λ AND FUNCTIONAL RELATION ON HUBBLE PARAMETER IN ROSEN'S BIMETRIC GRAVITY	N.P. Gaikwad, P.V. Lapse, Binaya K. Bishi, and <u>N.K. Ashtankar</u>	First Year	Advances in Mathematics: Scientific Journal	2021	E-ISSN: 1857-8438; P-ISSN: 1857-8365	Yes	https://www.research-publication.com/amsj/	https://www.scopus.com/sourceid/21100913565
21	Implementation of multi-objective Jaya optimization for performance improvement in machining curve hole in P20 mold steel by sinking EDM	D B Meshram, <u>Vikas Gohil</u> , Yogesh Madan Puri, Sachin Ambade	Mechanical Engineering	World Journal of Engineering	2021	1708-5284	Yes	https://www.emeraldgroupublishing.com/journal/wje	https://www.scopus.com/sourceid/21100305241
22	Experimental evaluation of hybrid concrete using expanded clay aggregate/alccofine1203/fly ash at normal and accelerated curing	Hrishikesh Singarwade, <u>Prathik Kulkarni</u> , Siddhi Wagh, Aniket Bhagat, Suyog Tadas	Civil Engineering	Materials Today Proceeding	2020	E-ISSN:2214-7853	Yes	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/sourceid/21100370037
23	Novel curved trajectory machining using VOEDM process – experimental study and statistical optimisation thereof	D B Meshram, <u>Vikas Gohil</u> , Yogesh Madan Puri, Sachin Ambade	Mechanical Engineering	Advances in Materials and Processing Technologies	2020	E-ISSN: 2374-0698, P-ISSN: 2374-068X	Yes	https://www.tandfonline.com/journals/tmpt20	https://www.scopus.com/sourceid/21100902866



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24	Experimental and numerical investigations for effect of longitudinal splitter plate configuration for thermal-hydraulic performance of staggered tube bank	<u>Chidanand K. Mangrulkar</u> , Ashwinkumar S. Dhoble, Jijo Derick Abraham, Sunil Chamoli	Mechanical Engineering	International Journal of Heat and Mass Transfer	2020	P-ISSN: 0017-9310	Yes	https://www.sciencedirect.com/journal/international-journal-of-heat-and-mass-transfer/about/aims-and-scope	https://www.scopus.com/sourceid/20448
25	LRS BIANCHI TYPE-II BULK VISCOUS STRING COSMOLOGICAL MODEL IN BARBER'S SECOND SELF-CREATION THEORY	<u>N. K. Ashtankar</u> , M. S. Borkar , V. M. Raut and N. P. Gaikwad	First Year	Vidyabharati International Interdisciplinary Research Journal	2020	2319-4979	No	http://www.viirj.org/	NA
26	Personality analysis through handwriting recognition	Ajeet Ram Pathak, Abhishek Raut, Soham Pawar, Mansi Nangare, Harshdeep Singh Abbott & <u>Pawan Chandak</u>	Mechanical Engineering	Journal of Discrete Mathematical Sciences and Cryptography	2020	0972-0529	Yes	https://www.tandfonline.com/journals/tdmc20	https://www.scopus.com/sourceid/19700186892
27	Trends in chaos and instability for understanding system complexity	S.P. Nanigrani, <u>K.D. Joshi</u>	Electrical Engineering	Journal of Intelligent & Fuzzy Systems	2020	E-ISSN: 1875-8967, P-ISSN: 1064-1246	Yes	https://content.iospress.com/journal-of-intelligent-and-fuzzy-systems	https://www.scopus.com/sourceid/23917



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28	Numerical analysis for thermo-hydraulic performance of staggered cross flow tube bank with longitudinal tapered fins	Jijo Derick Abraham, Ashwinkumar S. Dhoble, <u>Chidanand K. Mangrulkar</u>	Mechanical Engineering	International Communications in Heat and Mass Transfer	2020	0735-1933	Yes	https://www.sciencedirect.com/journal/international-communications-in-heat-and-mass-transfer	https://www.scopus.com/sourceid/20422

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