

	3.3.1 Number of research papers published per teacher in the Journals notified on UGC CARE list during the last five years							
Sr. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Calendar 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
1	Load-bearing characteristics of a hybrid Si3N4-epoxy composite	Dr. Koli Gajanan C	Mechanical Engg.	Biomass Conversion and Biorefnery SPRINGER	2023	ISSN:2190-6815	https://www.springer.com/journal/13399	https://www.springerprofessional.de/en/load-bearing-characteristics-of-a-hybrid-si3n4-epoxy-composite/25802722
2	Performance analysis of sodium alanate hydride reactor with different nanofluids	Rahul U. Urunkar	Mechanical Engg.	International Journal of Hydrogen Energy	2023	ISSN:0360-3199	https://www.sciencedirect.com/journal/international-journal-of-hydrogen-energy	https://doi.org/10.1016/j.ijhydene.2023.02.105
3	Motor Vehicles Forecasting in Kolhapur City Using Combined Grey Model	Sagar M. Shinde	Civil Engineering	KSCE Journal of Civil Engineering	2023	1226-7988	https://www.springer.com/journal/12205	https://link.springer.com/article/10.1007/s12205-023-1879-x
4	SILAR synthesis of SnO2-ZnO nanocomposite sensor forselective ethopnal gas	Dr.Sachin S.Potdar	Physics	Bulletin of materials Science,Springer	2022	0250-4707 (print) 0973-7669 (web)	https://link.springer.com/journal/12034/volumes-and-issues/45-3	https://link.springer.com/article/10.1007/s12034-021-02649-2
5	Novel synthesis of perovskite GdxAl1-xO3 semiconductor by combustion route for selective LPG sensing	Dr.Sachin S.Potdar	Department of Physics, Sanjeevan Engineering and Technology Institute, Panhala, Kolhapur 416201, India	bulletin of material Science , Springer Nature	2022	0250-4707	https://link.springer.com/journal/12034/volumes-and-issues/45-3	https://link.springer.com/article/10.1007/s12034-022-02716-2
6	Potassium ferrocyanide promoted an efficient synthesis of benzoxazoles and benzothiazoles under solvent free condition	Dr.Sachin S.Potdar & Dr. Vishal S.Patil	Department of Physics, Sanjeevan Engineering and Technology Institute, Panhala, Kolhapur 416201, India	Indian Academy of Sciences	2022	1307-6175	https://www.acgpubs.org/issue/organic-communications/15/1-january-march	https://www.acgpubs.org/article/organic-communications/2022/1-january-march/potassium-ferrocyanide-promoted-an-efficient-synthesis-of-benzoxazoles-and-benzothiazoles-under-solvent-free-condition
7	A prototype model for detection and classification of landslides using satellite data	Dr. Suhas G. Sapate	Computer Science and Engineering	Journal of Physics: Conference Series, 2022	2022	17426588, 17426596	https://iopscience.iop.org/journal/1742-6596	https://iopscience.iop.org/article/10.1088/1742-6596/2327/1/012029/meta
8	Past,Present and future of Automated Mamographic Density Measurement for Breast Cancer Risk Prediction	Dr. Suhas G. Sapate	Computer Science and Engineering	Journal of Physics: Conference Series, 2022	2022	17426588, 17426596	https://iopscience.iop.org/journal/1742-6596	https://iopscience.iop.org/article/10.1088/1742-6596/2327/1/012076/meta
9	Segmentation of pectoral muscle from digital mammograms with depth-first search algorithm towards breast density classification	Dr. Suhas G. Sapate	Computer Science and Engineering	biocybernetics and biomedical engineering	2021	0208-5216	https://www.sciencedirect.com/journal/biocybernetics-and-biomedical-engineering	https://www.sciencedirect.com/science/article/pii/S0169260717306223

10	Active cooling system for efficiency improvement of PV panel and utilization of waste-recovered heat for hygienic drying of onion flakes	Dr. Vinayak H. Deokar	Mechanical	Journal of Materials Science: Materials in Electronics, Springer nature	2021	0957-4522	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-020-04975-3
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11	Synthesis and Characterization of Macro Porous Gd ₂ O ₃ ZnO Nanocomposite Sensor for NO ₂ Gas Detection	Dr. S.S. Potdar	Basic Sciences & Humanities	Rasayan Journal of Chemistry	2021	0974-1496	https://rasayanjournal.co.in/index.php	http://dx.doi.org/10.31788/RJC.2021.1446519
12	Optimization and Prediction on the Mechanical Behavior of Granite Particle Reinforced Al6061 Matrix Composites Using Deer Hunting Optimization Based DNN	Dr. Koli Gajanan C	Mechanical Engg.	Silicon	2021	1876-990X	https://www.springer.com/journal/12633	https://link.springer.com/search?query=Koli+Gajanan&search-within=Journal&facet-journal-id=12633
13	Simulation Modeling and Experimental Validation of Solar Photovoltaic PMBLDC Motor Water Pumping System	Dr. Vinayak H. Deokar	Mechanical Engineering	Journal of Thermal Engineering	2021	2148-7847	https://eds.yildiz.edu.tr/journal-of-thermal-engineering/Index	https://jten.yildiz.edu.tr/storage/upload/pdfs/1630913806-en.pdf
14	Enhancement of heat and mass transfer characteristics of metal hydride reactor for hydrogen storage using various nanofluids	Rahul U. Urunkar	Mechanical	International Journal of Hydrogen Energy	2021	1879-3487	https://www.sciencedirect.com/journal/international-journal-of-hydrogen-energy	https://www.sciencedirect.com/science/article/pii/S0360319921010016?via%3Dihub
15	Breast cancer diagnosis using abnormalities	Dr. Suhas G. Sapate	Computer Science and Engineering	biocybernetics and biomedical engineering	2020	0208-5216	https://www.sciencedirect.com/journal/biocybernetics-and-biomedical-engineering	https://www.sciencedirect.com/science/article/pii/S0208521618304996
16	on ipsilateral views of digital mammograms	Dr. S. S. Potdar, and Dr.V. S. Patil	Basic Sciences & Humanities	Journal of Materials Science: Materials in Electronics	2020	0957-4522	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-020-04607-w
17	Heterogeneous composites for low and medium temperature thermal insulation: A review	Dr. Mohan Vanarotti	mechanical	Energy and Buildings	2019	0378-7788	https://www.sciencedirect.com/journal/energy-and-buildings	https://doi.org/10.1016/j.enbui.2019.07.024
18	Facile synthesis of Nanodiced SnO ₂ -ZnO composite by chemical route for gas sensor application	Dr. S.S. Potdar	Basic Sciences & Humanities	Journal of Electronic Materials	2019	0361-5235	https://www.springer.com/journal/11664	https://link.springer.com/article/10.1007/s11664-019-07419-9
19	Influence of bath temperature on microstructure and NH ₃ sensing properties of chemically synthesized CdO thin films	Dr. S.S. Potdar	Basic Sciences & Humanities	Materials Science-Poland	2019	2083-134X	https://materialsscience.pwr.edu.pl/	https://sciendo.com/article/10.2478/msp-2019-0002
20	A novel FRET probe for determination of fluorescein sodium in aqueous solution: analytical application for ophthalmic sample	Dr. Vishal A. Patil	Basic Sciences & Humanities	Indian Journal of Chemistry	2019	0376-4710	http://op.niscpr.res.in/index.php/IJC	https://nopr.niscpr.res.in/handle/123456789/52722
21	Electrochemical synthesis of Cu _x Se _{1-x} thin film for supercapacitor application	Dr. S.S. Potdar	Basic Sciences & Humanities	Journal of Alloys and Compounds, ELSEVIER	2018	0925-8388	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.sciencedirect.com/science/article/abs/pii/S0925838818315317
22	Radiomics based detection and characterization of suspicious lesions on full field digital mammograms	Dr. Suhas G. Sapate	Computers Science and Engineering	Computer Methods and Programs in Biomedicine	2018	0169-2607	https://www.sciencedirect.com/journal/computer-methods-and-programs-in-biomedicine	https://www.sciencedirect.com/science/article/pii/S0169260717306223