



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

CRITERION-III

RESEARCH, INNOVATIONS AND EXTENSION

3.3 RESEARCH PUBLICATIONS AND AWARDS

3.3.1 Number of research papers published per teacher in the Journals notified on UGC CARE list in 2018-2023

[Link to website of the Journal](#)

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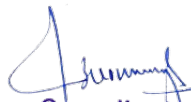
Research papers published in 2018

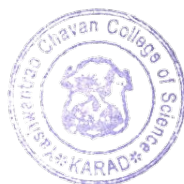
Sr. No.	Title of paper	Name of the author/s	Department of the teacher	Name of Journal ISSN number	Link to Journal
1	Magnetic Nanoparticle Decorated NHeterocyclic Carbene–Nickel Complex with Pendant Ferrocenyl Group for C–H-Arylation of Benzoxazole	Altafhusen Naikwade, Megha Jagadale, Dolly Kale, Shivanand Gajare, Prakash Bansode, Gajanan Rashinkar	Chemistry	Catalysis Letters 1572-879X	https://link.springer.com/journal/10562
2	DNA barcode based delineation of freshwater fishes from northern Western Ghats of India, one of the world's biodiversity hotspots	Patil, T. S., Jamdade, R. A., Patil, S. M., Govindwar, S. P., & Muley, D. V.	Zoology	Biodiversity and Conservation 1572-9710	https://link.springer.com/journal/10531
3	Interior ideals in Gsemirings	R.D. Jagatap	Mathematics	Malaya Journal of Matematik 2319-3786	https://www.malayajournal.org/archive/
4	Geochemical Evidences for Possible Absence of CuSulfide Deposits in the Deccan Volcanic Province, India.	Laxman, M. B., & Kumar , K. V .	Geology	Journal Of The Geological Society Of India 0016-7622	https://www.geosoci ndia.org/index.php/g si/pages/view/ed
5	Copper ferrite magnetic nanoparticles for the immobilization of enzyme	S. V. Otari, S. K. S. Patel, S-Y. Kim, J. R. Haw, V. C. Kalia, I-W. Kim, J-K. Lee	Microbiology	Indian Journal of Microbiology 0973-7716	https://link.springer.com/journal/12088
6	SiO ₂ microparticles with carbon nanotube- derived mesopores as an efficient support for enzyme immobilization	A. Kumar, G. D. Park, S. K. S. Patel, S. Kondaveeti, S. V. Otari, M. Z. Anwar, V. C. Kalia, S. C. Kim, B-K. Cho, J-H. Sohn, D-R. Kim, J-K. Lee, Y. C. Kang	Microbiology	Chemical Engineering Journal 1385-8947	https://www.science direct.com/journal/c hemical- engineering-journal




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7	Geochemistry of upland laterites of Tarale –Thoseghar Plaeau of Bannoli range of Satara district of Maharashtra	Desai R.V., Khanapurkar J.V. and Suryawanshi R. A.	Geology	Journal of Applied Geochemistry 2319-4316	https://www.indianjournals.com/ijor.aspx?target=ijor:jag&type=home
8	Petrographical and mineralogical studies on lateritic bauxite profiles of Shahuwadi taluka of Kolhapur district, Maharashtra	Khanapurkar J.V., Suryawanshi R.A., Desai R.V., Patil S.H., Mali V. R. and Pisal P.B.	Geology	Journal of Applied Geochemistry 2319-4316	https://www.indianjournals.com/ijor.aspx?target=ijor:jag&type=home
9	Emplacement and growth of alkaline dikes: Insights from the shonkinite dikes (Elchuru alkaline complex, SE India).	Ghodke, S. S., Rathna, K., Kokandakar, G. J., Nagaraju, B., More, L. B., Bhosle, M. V., & Kumar, K. V	Geology	Journal Of Structural Geology 0191-8141	https://www.science-direct.com/journal/journal-of-structural-geology


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Research papers published in 2019

Sr. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal ISSN number	Link to Journal
1	The Promise of Molecular and Genomic Techniques for Biodiversity Research and DNA Barcoding of the Arabian Peninsula Flora.	Mosa, K. A., Gairola, S., Jamdade, R., El-Keblawy, A., ... Mahmoud, T.	Zoology	Frontiers in Plant Science 1664-462X	https://www.frontiersin.org/
2	Development of Porous Manganese Oxide/Polyaniline Composite Using Electrochemical Route for Electrochemical Supercapacitor	Relekar B.P., Fulari A. V., Lohar G.M. ad Fulari V. J.	Chemistry	Journal of Electronic Materials 0361-5235	https://link.springer.com/journal/11664
3	Uranium and Thorium Anomalies in the ~ 2.5 Ga Vendodu Leucogranite, Nellore Schist Belt, SE India and its Potential to Generate Uranium Deposits.	Kokandakar, G. J., Ghodke, S. S., More, L. B., Nagaraju, B., Bhosle, M. V., Sawant, S. S., ... & Kumar, K. V.	Geology	Journal Of The Geological Society Of India 0016-7622	https://www.geosocindia.org/index.php/gsi/pages/view/full
4	Enhanced saccharification and fermentation of rice straw by reducing the concentration of phenolic compounds using an immobilized enzyme cocktail	V. Kumar, S. K. S. Patel, R. K. Gupta, S. V. Otari, H. Gao, J-K. Lee, L. Zhang	Microbiology	Biotechnology Journal 1860-7314	https://onlinelibrary.wiley.com/journal/18607314
5	Facile Chan-Lam coupling using ferrocene tethered N-heterocyclic carbene-copper complex anchored on graphene	Shivanand Gajare, Megha Jagadale, Altafhusen Naikwade, Prakash Bansode, Gajanan Rashinkar	Chemistry	Applied Organometallic Chemistry 1099-0739	https://onlinelibrary.wiley.com/journal/10990739



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6	Cellulose-Supported Ionic Liquid Phase Catalyst-Mediated Mannich Reaction	Sharanabas appa Khanapure, Megha Jagadale, Dolly Kale, Shivanand Gajare, and Gajanan Rashinkar	Chemistry	Australian Journal of Chemistry 0004-9425	https://www.publish.csiro.au/CH
7	Facile synthesis of B – cyclodextrin –grafted solid silica nanoparticles	Sushilkumar A. Jadhav, Sudip D. Karande, Shivaji H. Burungale	Chemistry	Material Design & Processing Communications (MDPC) 2577-6576	https://onlinelibrary.wiley.com/journal/25776576
8	Biomolecule entrapped SiO ₂ nanoparticles for ultrafast green synthesis of silver nanoparticle–decorated hybrid nanostructures as effective catalysts	S. V. Otari, V. V. Shinde, H. Gao, S. K. S. Patel, V. C. Kalia, I-W. Kim, J-K. Lee	Microbiology	Ceramics International 5876-5882	https://www.sciencedirect.com/journal/ceramics-international
9	Antimicrobial activity of biosynthesized silver nanoparticles decorated silica nanoparticles	S. V. Otari, S. K. S. Patel, S-Y. Kim, J. R. Haw, V. C. Kalia, I-W. Kim, J-K. Lee	Microbiology	Indian Journal of Microbiology 0973-7715	https://link.springer.com/journal/12088
10	Intramolecular O-arylation using nano-magnetite supported N-heterocyclic carbene-copper complex with wingtip ferrocene	Altafhusen Naikwade, Megha Jagadale, Dolly Kale, Shivanand Gajare, Prakash Bansode, Gajanan Rashinkar	Chemistry	Applied Organometallic Chemistry 1099-0739	https://onlinelibrary.wiley.com/journal/10990739
11	Prospects of genomic resources available at the global databases for the flora of United Arab Emirates.	Jamdade, R. A., Mahmoud, T., & Gairola, S.	Zoology	3Biotech 2190-5738	https://link.springer.com/journal/13205
12	A green tactic for the synthesis of classical 3, 3-bisindolylmethanes in waste curd water	Rajput, JD; Koli, SH; Mohite, BV; Bendre, R; Patil, SV; Patil, VS;	Microbiology	SN Applied Sciences 2523-3971	https://link.springer.com/journal/42452
13	Production and characterization of multifacet exopolysaccharide from an agricultural isolate, <i>Bacillus subtilis</i>	Mohite, BV; Koli, SH; Rajput, JD; Patil, VS; Agarwal, T; Patil, SV;	Microbiology	Biotechnology and Applied Biochemistry 0885-4513, 1470-8744	https://onlinelibrary.wiley.com/journal/14708744
14	On-Type Spatial Postpositions In Marathi: A Cognitive Semantic Approach	A. T. Jadhav	English	Bulletin of the Deccan College Post-Graduate and Research Institute 0045-9801	https://www.jstor.org/



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15	Co-generation of hydrogen and electricity from biodiesel process effluents	S. Kondaveeti, I-W Kim, S. V. Otari, S. K.S. Patel, R. Pagolu, V. Losetty, V. C. Kalia, J-K Lee	Microbiology	International Journal of Hydrogen Energy 0360-3199	https://www.sciencedirect.com/journal/international-journal-of-hydrogen-energy
16	Prospective of Monascus pigments as an additive to commercial sunscreens	Koli, SH; Suryawanshi, RK; Mohite, BV; Patil, SV;	Microbiology	Natural Product Communications 1934-578X, 1555-9475	https://journals.sagepub.com/home/NPX


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Research papers published in 2020

Sr. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal ISSN number	Link to Journal
1	Electrochemical behavior of hydrothermally synthesized porous groundnuts-like samarium oxide thin films	S. B. Ubale, T. T. Ghogare, V. C. Lokhande, T. Ji, C. D. Lokhande	Chemistry	SN Applied Sciences 2523-3963	https://link.springer.com/journal/42452
2	Rapid and Size-Controlled Biosynthesis of Cytocompatible Selenium Nanoparticles by Azadirachta indica Leaves Extract for Antibacterial Activity	N. A. Mulla, S. V. Otari, R. A. Bohara, H. M. Yadav, S. H. Pawar	Microbiology	Materials Letters 1873-4979	https://www.sciencedirect.com/journal/materials-letters
3	One-step hydrothermal synthesis of magnetic rice straw for effective lipase immobilization and its application in esterification reaction	S.V. Otari, S. K.S. Patel, V. C. Kalia, J-K. Lee	Microbiology	Bioresource technology 1873-2977	https://www.sciencedirect.com/journal/bioresourcetech
4	Binder Free Lanthanum Doped Manganese Oxide@ Graphene Oxide Composite As High Energy Density Electrode Material For Flexible Symmetric Solid-State Supercapacitor	V. J. Mane, D. B. Malavekar, S. B. Ubale, R. N. Bulakhe, I. In, C. D. Lokhande	Chemistry	Electrochemical Acta 0001-5164	https://doi.org/10.1016/j.electacta.2020.135613



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5	Evaluation Of In-Vitro Anti-Bacterial And Cytotoxic Activity Of Leea Macrophylla	Prakash M. Somade, Atul R. Chopade , Pramod A. Patil And Suryakant B. Kengar	Zoology	International Journal Of Pharmaceuti cal Sciences And Research 2320-5148	https://ijpsr.com/Bft-Article/Evaluation-Of-In-Vitro-Anti-Bacterial-And-Cytotoxic-Activity-Of-Leea-Macrophylla/
6	Manganese Dioxide Thin Films Deposited By Chemical Bath And Successive Ionic Layer Adsorption And Reaction Deposition Methods And Their Supercapacitive Performance	V. J. Mane, D. B. Malavekar, S. B. Ubale, V. C. Lokhande, C. D. Lokhande,	Chemistry	Inorganic Chemistry Communications 1387-7003	https://doi.org/10.1016/j.inoche.2020.107853
7	I Am Not Human At All!	Arvind T. Jadhav	English	Indian Literature 0019-5804	https://www.jstor.org/stable/27266860
8	Fluorescence Resonance Energy Transfer From Pyrene Nanoparticles To Riboflavin: Spectroscopic Insights And Analytical Application	Dhanshri V. Patil, Vishal S. Patil	Chemistry	Indian Journal Of Chemistry: Section A, 59A 0975-0975	http://nopr.niscares.in/handle/123456789/54684
9	Enhanced Energy Density Of Flexible Asymmetric Solid State Supercapacitor Device Vii Fabricated With Amorphous Thin Film Electrode Materials	D. B. Malavekar, V. C. Lokhande, V. J. Mane, S. B. Ubale, U. M. Patil, C. D. Lokhande	Chemistry	Journal Of Physical Chemical Solids 0047-2689	https://doi.org/10.1016/j.jpacs.2020.109425
10	A Novel FRET Probe For Determination Of Fluorescein Sodium In Aqueous Solution: Analytical	Dhanshri V. Patil, Vishal S. Patil	Chemistry	Indian Journal Of Chemistry: Section A, 59A 0975-0975	http://nopr.niscares.in/handle/123456789/52722



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11	Chemical Synthesis Of Nano-Grained Ytterbium Sulfide Thin Films For Supercapacitor Application	S. B. Ubale, R. N. Bulakhe, V. J. Mane, D. B. Malavekar, I. In, C. D. Lokhande	Chemistry	Applied Nanoscience 1944-8244	https://doi.org/10.1007/S13204-020-01495-8
12	<i>Chrysopogon Shrirangii</i> Sp. Nov. (Poaceae: Andropogoneae) From Karnataka, India	Shaikh Tarbej, Pooja Mane And Girish Potdar	Botany	Nordic Journal Of Botany 0107-055X	https://doi.org/10.1111/Njb.02753
13	Envirocat Epzg As A Heterogeneous Catalyst For The Synthesis Of 3,3-Disubstituted Oxindoles	Rahul Patil, Uday Lad, Suresh Shendage And Uttam More	Chemistry	Rasayan Journal Of Chemistry 0974-1496	https://www.rasayanjournal.co.in/admin/php/upload/1048_Pdf.Pdf
14	Stereospecific Synthesis Of (4E,10Z)-4,10-Tetradecadienyl Acetate, The Major Sex Pheromone Of Apple Leaf Miner Moth, Phyllonorycter Ringoniella	R. Awalekar, Kishor S. Jagadhane, S. Usmani, S. Salunkhe, D. Jamale, S. Hangirgekar, G. Kolekar, P. Anbhule*	Chemistry	Letters In Organic Chemistry 1875-6255	https://doi.org/10.2174/1570178617999200922145900
15	Evaluation Using In-Vitro Assays For Glucose Diffusion And Kinetics Of Amylolysis Of Leea Macrophylla Standardized Extracts	Somade Prakash M, Chopade Atul R, Patil Pramod A And Kengar Suryakant B	Zoology	International Journal Of Biology, Pharmacy And Allied Sciences 2277-4998	https://ijbpas.com/pdf/2020/September/MS_Ijbpas_2020_5173.Pdf
16	Nanostructured Cdo-Zno Composite Thin Films For Sensing Application	A. K. Sharma, S. S. Potdar, V. S. Patil	Chemistry	Journal Of Materials Science: Materials In Electronics 0957-4522	https://doi.org/10.1007/S10854-020-04607-W
17	Conversion Of Biogas To Methanol By Methanotrophs Immobilized On Chemically Modified Chitosan	S. K. S. Patel, R. K. Gupta, S. Kondaveeti, S. V. Otari, A. Kumar, V. C. Kalia, J-K. Lee	Microbiology	Bioresource Technology 1873-2976	https://www.sciencedirect.com/science/article/abs/pii/S0960852420310634



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Research papers published in 2021

Sr. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal ISSN number	Link to Journal
1	Optical, electrical and morphological studies of β HgS thin film prepared by improved chemical bath deposition technique	KR Sanadi, PD Sanadi, ML Gaur, AV Mali, GS Kamble	Chemistry	Bulletin of material Science 0250-4707	https://link.springer.com/journal/12034
2	Structural, magnetic, and electrical properties of manganese-substituted magnesium chromate spinel structure	SP Deshmukh, KR Sanadi, RS Diggikar, VB Koli, AV Mali	Chemistry	Journal of Materials Science: Materials in Electronics 0957-4522	https://link.springer.com/journal/10854
3	UV light-activated photocatalytic degradation of rhodamine B dye and Suzuki cross-coupling reaction by Ni ferrite catalyst synthesized by sol-gel auto-combustion method	K R Sanadi., K C Rathod, M L Gaur, R R Pawar, V G Parale, R S Patil, S H Burungale And A V Mali	Chemistry	Bull. Mater. Sci. 0973-7669	https://link.springer.com/journal/12034
4	Facile extractive separation studies of uranium (VI) assisted by dicyclohexano-18-crown-6 through green approach	Shivaji H. Burungale and Sunil B. Zanje	Chemistry	Journal of Radioanalytical and Nuclear Chemistry 0236-5731	https://link.springer.com/journal/10967



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5	A high performance flexible solid-state asymmetric supercapacitor based on composite of reduced graphene oxide@ dysprosium sulfide nanosheets and manganese oxide nanospheres	P. P. Bagwade, D. B. Malavekar, T. T. Ghogare, S. B. Ubale, V. J. Mane, R. N. Bulakhe, I. In, C. D. Lokhande	Chemistry	Journal of Alloys & Compound 0925-8388	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds
6	Lanthanum sulfide-manganese sulfide/graphene oxide (La ₂ S ₃ -MnS/GO) composite thin film as an electrocatalyst for oxygen evolution reactions	V. J. Mane, S. B. Kale, S. B. Ubale, V. C. Lokhande, U. M. Patil, C. D. Lokhande	Chemistry	Journal of Solid-State Electrochemistry 1432-8488	https://link.springer.com/journal/10008
7	SILAR synthesized nanostructured ytterbium sulfide thin film electrodes for symmetric supercapacitors	S. B. Ubale, S. B. Kale, V. J. Mane, P. P. Bagwade, C. D. Lokhande	Chemistry	Journal of Solid-State Electrochemistry 1432-8488	https://link.springer.com/journal/10009
8	Biowaste to biopolymer (polyhydroxyalkanoates) conversion technologies: production strategy, challenges, and perspective	S. K. Bhatia, S. V. Otari, J. M. Jeon, R. Gurav, Y-K. Choi, A. Pugazhendhi, V. Kumar, J. R. Banu, K-Y. Choi, Y-H. Yang	Microbiology	Bioresourcetechnology 0960-8524	https://www.sciencedirect.com/journal/bioresourcetechnology
9	Composition of Essential Oils in <i>Bothriochloa bladhii</i> from Maharashtra.	Tarbej Shaikh, Pooja Mane and Girish Potdar .	Botany	Bioinfolet 0973-1431	https://www.indianjournals.com/ijor.aspx?target=ijor: bil&type=home
10	Environmentally Green Synthesis of α-aminophosphonates	Rahul Patil, Shivaji Burungale, Uday Lad, Uttam More	Chemistry	Der Pharma Chemica 0975-413X	https://www.derpharmachemica.com/
11	Green And Sustainable Synthesis of Silica Nanoparticles	Sudip D. Karande, Shivaji H. Burungale	Chemistry	Nanotechnology for Environmental Engineering 2365-6387	https://link.springer.com/journal/41204
12	<i>Capillipedium yashwantraoi</i> , a new species of Poaceae from Madhya Pradesh, India.	Tarbej and Girish Potdar	Botany	Phytotaxa 1179-3163	https://phytotaxa.mapress.com/pt/index



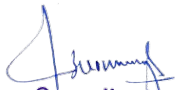
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13	Enhanced specific energy of silver doped MnO ₂ /GO electrodes as facile fabrication symmetric supercapacitor device	V. J. Mane, S. B. Kale, S. B. Ubale, V. C. Lokhande, C. D. Lokhande	Chemistry	Materials Today Chemistry 2468-5194	https://www.sciencedirect.com/journal/materials-today-chemistry
14	Characterization and production of groundnut-shell degrading cellulase of <i>Streptomyces mutabilis</i>	Shinde G.M., Jadhav A.G	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1808	https://bepls.com/
15	Removal of Lead (II) With poly 3-(aza-18 crown-6)silica Bonded Phase from succinate medium and sample analysis	Shivaji Burungale, Rahul Patil, Ankush Mali	Chemistry	Journal of Advanced Scientific Research 0976-9595	https://sciensage.info/index.php/JASR/index
16	Environmentally Green Synthesis of α -aminophosphonates	Rahul Patil, Shivaji Burungale, Uday Lad, Uttam More	Chemistry	Der Pharma Chemica 0975-413X	https://www.derpharmachemica.com/
17	Evaluation of Antibacterial and cytotoxic activity of Beta-glucogallin.	Kirtane Sushama A. and Jadhav Prakash D.	Botany	Int. J. All Research Education and Scientific Methods (IJARESM). 2455-6211	https://www.ijaresm.com/
18	Supercapacitor devices based as SILAR synthesized ytterbium sulfide @ graphene oxide nanocomposite flexible thin film electrodes	S. B. Ubale, S. B. Kale, V. J. Mane, U. M. Patil, C. D. Lokhande	Chemistry	Journal of Electroanalytical Chemistry 1572-6657	https://www.sciencedirect.com/journal/journal-of-electroanalytical-chemistry
19	Characterization of Dy ₂ S ₃ thin films deposited by successive ionic layer adsorption and reaction (SILAR) method	P. P. Bagwade, D. B. Malavekar, S. B. Ubale, T. T. Ghogare, R. N. Bulakhe, I. In, U. M. Patil, C. D. Lokhande	Chemistry	Journal of Solid-State Science 2162-8769	https://www.sciencedirect.com/journal/solid-state-sciences
20	Evaluation of Arabian Vascular Plant Barcodes (rbcL and matK): Precision of Unsupervised and Supervised Learning Methods towards Accurate Identification.	Jamdade, R., Upadhyay, M., Al Shaer, K., Al Harthi, E., Al Sallani, M., Al Jasmi, M., & Al Ketbi, A.	Zoology	Plants 2223-7747	https://www.mdpi.com/journal/plants
21	Multicomponent Synthesis of Pyrano (3, 2-c)	R. V. Kupwade, A.	Chemistry	Polycyclic Aromatic Compounds	https://www.tandfonline.com/journals/gpol20




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	Quinolone Fused Spirochromenes	M. Kulkarni, U. P. Lad		1563-5333	
22	Green synthesis of silver-decorated magnetic particles for efficient and reusable antimicrobial activity	S. V. Otari, V. C. Kalia, A. Bisht, I-W. Kim, J-K. Lee	Microbiology	Materials 1996-1944	https://www.mdpi.com/journal/materials


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Research papers published in 2022

Sr. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal ISSN number	Link to Journal
1	Effect of Sintering Temperature on Selectivity of zinc ferrite as gas sensors	S.D. Jadhav, R.S. Patil	Chemistry	Der Pharma Chemica 0975-413X	https://www.derpharmachemica.com/
2	Biochar based photocatalyst for degradation of organic aqueous waste: A review	S. V. Otari, S. S. Sutar, J. P. Jadhav	Microbiology	Chemosphere 0045-6535	https://www.sciencedirect.com/journal/chemosphere
3	<i>Datura discolor</i> (Solanaceae) : An Addition to the Flora of Maharashtra, India	Pooja R. Mane , J. Swamy, C. B. Salunkhe, T. J. Shaikh, G. G. Potdar	Botany	Indian Forester Journal 0019-4816	https://indianforester.co.in/index.php/indianforester
4	Typification in the genus <i>Dichanthium</i> (Andropogoneae: Poaceae)	T. J. Shaikh, R. Ghalame, G. G. Potdar	Botany	Phytotaxa 1179-3163	https://www.biotaxa.org/Phytotaxa/index
5	Xanthomonadin mediated synthesis of biocidal and photo-protective silver nanoparticles (XP-AgNPs)	Salunkhe, NS; Koli, SH; Mohite, BV; Patil, VS; Patil, SV;	Microbiology	Results in Chemistry 2211-7156	https://www.sciencedirect.com/journal/results-in-chemistry
6	Sulfur-doped graphene as a rational anode for ionic liquid-based hybrid capacitor with 3.5 V working window	N. S. Shaikh, V. C. Lokhande, T. Ji, P. P. Ngat, S. B. Ubale, J. S. Shaikh, S. Praserthdam, C. D. Lokhande, P. Kanjanaboos	Chemistry	Energy & Fuels 0887-0624	https://pubs.acs.org/toc/enfuem/36/5



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7	Novel electrodes for supercapacitor: conducting polymers, metal oxides, chalcogenides, carbides, nitrides, MXenes, and their composites with graphene	N. S. sheikh, S. B. Ubale, V. J. Mane, J. S. sheikh, V. C. Lokhande, S. Praserthdam, C. D. Lokhande, P. Kanjanaboos	Chemistry	Journal of Alloys & Compound 0925-8388	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds
8	Synthesis, characterization and supercapacitive application of nanocauliflower-like cobalt tungsten oxide thin films by successive ionic layer adsorption and reaction (SILAR) Method	P. P. Bagwade, D. B. Malavekar, S. B. Ubale, R. N. Bulakhe, I. In, U. M. Patil, C. D. Lokhande	Chemistry	Electrochimical Acta 0001-5164	https://www.sciencedirect.com/journal/electrochimica-acta
9	Structural, Morphological and Spectral Properties of La ₂ Mo ₂ O ₉ Thin Films Synthesized by Spray Pyrolysis Technique	G. A. Kadam, R. K. Nimat, S. A. Patil, B. B. Patil, L. D. Kadam	Physics	Zeichen Journal 0932-4747	https://ezeichen.com/volume-8-issue-06-2022/
10	Potassium ferrocyanide promoted an efficient synthesis of benzoxazoles and benzothiazoles under solvent free condition	Vishal S. Patil, Dhanshri V. Patil, Sachin. S. Potdar	Chemistry	Organic Communication 1307-6175	https://www.acgpubs.org/journal/organic-communication
11	Monitoring and Assessment of Water Quality using Multivariate Statistics of Physico-chemical Parameters to establish Baseline Level around proposed Jaitapur Nuclear Power Plant (JNPP), India	Shinde R.D., Burungale S.H., Supale A.R., Chikode P.P. and Sabale S.R.	Chemistry	Research Journal of Chemistry and Environment 0972-0626	https://journalseker.researchbib.com/view/issn/0972-0626
12	Photocatalytic degradation study of Methyl Orange and Congo red using Mg-Co ferrite powder	S.D. Jadhav, R.S. Patil	Chemistry	J. Water Environ. Nanotechnology 2476-6615	https://www.jwেন্ট.net/



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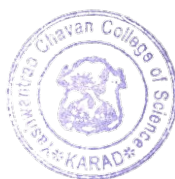
13	Rational La-doped hematite as an anode and cobalt phosphate as a battery-type electrode for a hybrid supercapacitor	N. S. Shaikh, V. C. Lokhande, T. Ji, S. B. Ubale, V. J. Mane, C. D. Lokhande, J. S. Shaikh, H. S. Shaikh, S. R. Sabale, P. Kanjanaboos	Chemistry	Dalton Transition 1477-9226	https://pubs.rsc.org/en/journals/journalissues/dt#!recentarticles&adv
14	In-vitro anti-bacterial and cytotoxic activity of rubiadin.	Somade Prakash M. , Kirtane Sushama A., Jadhav Prakash D. and Pratik P. Somade	Botany	Int. J. Biology, Pharmacy and Allied Science 2277-4998	https://www.ijbipas.com/
15	SILAR synthesized dysprosium selenide (Dy ₂ Se ₃) thin films for hybrid electrochemical capacitor	S. D. Khot, D. B. Malavekar, R. P. Nikam, S. B. Ubale, P. P. Bagwade, D. J. Patil, V. C. Lokhande, C. D. Lokhande	Chemistry	Synthetic Metal 0379-6779	https://www.sciencedirect.com/journal/synthetic-metals
16	Spatial Variations in the Geochemical Characteristics of Basalts from the Deccan Volcanic Province, India: Role of Mixing and Assimilation Fractional Crystallization	More B. Laxman, B. Nagaraju, K. Nagaraju and K. Vijaya Kuma	Geology	Journal of Earth System Science 2347-4327	https://www.ias.ac.in/Journals/Journal_of_Earth_System_Science/
17	In-vivo investigation of chronic inflammatory pain Modulating Potential of Niranthin	Gavekar P.S., Somade P.M., Chavan R.S., Pathak R. S., Chopade A.R., Kengar S.B.	Zoology	International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS) 2277-4998	https://ijbipas.com/
18	Tetraphenylethene-Based Fluorescent Chemosensor with Mechanochromic and Aggregation-Induced Emission (AIE) Properties for the Selective and Sensitive Detection of Hg ²⁺ and Ag ⁺ Ions in Aqueous Media: Application to Environmental Analysis	Kishor S. Jagadhane, S.R. Bhosale, D.B. Gunjal, O.S. Nille, G.B. Kolekar, S.S. Kolekar, T.D. Dongale, P. V. Anbhule*,	Chemistry	ACS Omega 2470-1343	https://pubs.acs.org/journal/acsofd
19	A Tetraphenylethene-Based Aggregation-	Kishor S. Jagadhane, S.R. Bhosale, A.A.	Chemistry	ChemistryS elect	https://chemistry-y-




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	Induced Emission Luminogen (AIEgen) With Mechanochromic Phenomena for Highly Selective Naked-Eye Detection of Mno4 ⁻ Directly in Aqueous Media	Moyo, G.B. Kolekar, K.K. Sharma, H.M. Yadav, P. V. Anbhule*		2365-6549	europe.onlinelibrary.wiley.com/doi/10.1002/anie.201511111
20	Effect of Electromagnetic radiations of a mobile phone on the growth of some pathogenic bacteria	Avinash A. Raut, Anirudha H. Patil, Amir D. Mulla, Omkar S. Chougale, Viresh V. Kumbhar, Prasad B. Hasole, Kirti A. Yadav, Kishor A. Sutar, Jaysing U. Patil	Microbiology	Mukt Shabd Journal 2347-3150	https://shabdbooks.com/
21	Multilocus Marker-based Delimitation of <i>Salicornia persica</i> and its Population Discrimination Assisted by Supervised Machine Learning Approach.	Jamdade, R., Al Shaer, K., Al Sallani, M., Al Harthi, E., Mahmoud, T., Gairola, S., Shabana, H.,	Zoology	PLoS ONE 1932-6203	https://journals.plos.org/plosone/
22	Formation of CuO nanostructures via chemical route for biomedical applications	S.R. Bhosale, S.A. Ghatage, P.N. Wahane, R.R. Bhosale, Kishor S. Jagadhane, D.N. Patil, P. V. Anbhule*	Chemistry	Chemical Physics Letters 0009-2614	https://www.sciencedirect.com/journal/chemical-physics-letters
23	Mesoporous carbon encapsulated zinc oxide nanorods derived from plant species 'Argyrea sharadchandrajii' for live cell imaging of drug delivery and multimodal bioactivities	Sneha R Bhosale, Kishor S. Jagadhane, Rakhee R Bhosale, Sharadrao A Vanalakar, Mohammad H Qureshi, Devashree N Patil, Rushikesh P Dhavale, Vinod B Shimpale, Govind B Kolekar, Prashant V Anbhule*	Chemistry	New Journal of Chemistry 1369-9261	https://pubs.rsc.org/en/journals/articleissues/nj#!recentarticles&adv


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CRITERION-III

RESEARCH, INNOVATIONS AND EXTENSION

3.3 RESEARCH PUBLICATIONS AND AWARDS

3.3.1 Number of research papers published per teacher in the Journals notified on UGC CARE list in 2018-2023

[Link to website of the Journal](#)

Index

Research papers published in 2023

Sr. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal ISSN number	Link to Journal
1	Antibiotic sensitivity profile of Uro pathogenic Klebsiella pneumoniae	Sunil B Jadhav, Mujahid M Siddiqui, S. V Mamdapure, Rania N Ghaleb, Pallavi B Jadhav, H.J. Bhosale	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1808	https://bepls.com/
2	Anti-Klebsiella pneumoniae Activity of Actinomycetes Isolated from Soil	Mujahid M Siddiqui, Sunil B Jadhav, S. V Mamdapure, Rania N Ghaleb, Arbaaz Sheikh, Pallavi B Jadhav, Fahad Shaikh, H.J. Bhosale	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1809	https://bepls.com/
3	Antimicrobial Activities of Actinomycetes Against Urease Producing Bacterial Pathogens	S. V Mamdapure, Mujahid M Siddiqui, Sunil B Jadhav, Rania N Ghaleb, Pallavi B Jadhav, H.J. Bhosale	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1810	https://bepls.com/
4	Antibacterial Activity of Aegle marmelos on Uropathogenic Klebsiella pneumoniae	Pallavi B Jadhav, S. V Mamdapure, Sunil B Jadhav, Mujahid M Siddiqui, Rania N Ghaleb, Sanjana S Haliokar, H.J. Bhosale	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1811	https://bepls.com/



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5	Antibacterial Activity of Biosurfactant Produced from <i>Haloferax chudinovii</i> HB1RANIA	Rania N Ghaleb, S. V Mamdapure, Sunil B Jadhav, Mujahid M Siddiqui, Pallavi B Jadhav, H.J. Bhosale	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1812	https://bepls.com/
6	Symmetric supercapacitor based on biosynthesized nanosheets of reduced graphene oxide (rGO): Characterization and electrochemical behavior	A. A Survase, S. H Sutar, S. B Ubale, S. S Kanase	Chemistry	Journal of Electrochemical Chemistry 1873-2569	https://www.sciencedirect.com/journal/journal-of-electroanalytical-chemistry
7	Isolation and biochemical characterization of phosphate solubilizing bacteria from soils of some regions of Satara district.	Sutar KA, Raut AA, Shaikh NR.	Microbiology	Research Journal of Agricultural Sciences 2249-4538	http://rjas.org/
8	Recent Trends in Synthetic Top-down Approach for Mesoporous Carbon: A Seminal Review	Bhosale, S. R.; Bhosale, R. R.; Kishor S. Jagadhane; Gore, A. H.; Kolekar, G. B.; Kolekar, S. S.; Anbhule*, P. V	Chemistry	Journal of Materials NanoScience 2394-0867	https://pubs.iscience.in/journal/index.php/jmns
9	Dielectric behavior and phase transition of $\text{La}_2\text{Mo}_2\text{O}_9$ films synthesized by spray pyrolysis technique	G. A. Kadam et. al.	Physics	Journal of Material Science: Material in Electronics 0957-4522	https://link.springer.com/journal/10854
10	Synthesis and testing of polyacrylamide-grafted waste sand derived composite adsorbent for water purification	Harshada B. Garud, Sushilkumar A. Jadhav, Sayali P. Jadhav, Vilas A. Kalantre, Pramod S. Patil, Shivaji H. Burungale	Chemistry	Polymer Advanced Technologies 1099-1581	https://onlinelibrary.wiley.com/journal/10991581



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11	Surface Modified Silicon Dioxide Based Functional Adsorbents Derived From Waste Sand for the Removal of Toxic Pollutants From Water	Harshada B. Garud, Sushilkumar A. Jadhav, Sayali P. Jadhav, Pradnya S. Suryawanshi, Vilas A. Kalantre, Shivaji H. Burungale, Sagar D. Delekar, Pramod S. Patil	Chemistry	Silicon 1876-9918	https://link.springer.com/journal/12633
12	A Comprehensive Review of Chromite, Ferrite and Aluminate Nano-Materials	Gajanan B. Dhake, Shalini T. Dengle, Ravindra S. Dhivare	Chemistry	Journal For Basic Sciences 1006-8341	https://fzgxjckxxb.com/
13	Tetraphenylethene Carbothioamide-Based Organic Stimuli- Responsive Mechanochromic Memristive Devices with Non- Volatile Memory and Synaptic Learning Functionalities.	Jagadhane, K. S, Tukaram D. Dongale, Ankita S. Nikam, N. B. T.; Rajanish K. Kamat, Govind B. Kolekar, and Anbule P. V.	Chemistry	Chemistry Select	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549
14	Multifunctional Fluorescent Tetraphenylethene-Based Reversible Mechanochromic for Highly Selective Detection of MnO ₄ ⁻ in aqueous media and Green Organic Light Emitting Diode applications.	Kishor S. Jagadhane, Ray J. Buluminoghenher, Tukaram D. Dongale, Kiran A. Nirmal, Govind B. Kolekar, Mohaseen S. Tamboli, Tae Geun Kim, Sunita Salunke-Gawali, Prashant V. Anbhule*.	Chemistry	Crystal Growth & Design	https://pubs.acs.org/journal/cgd/efu
15	One Pot Synthesis of CuO-CuFe ₂ O ₄ @rGO Nanostructure with Synergistic Effect for Efficient Electrochemical Sensing Application of Paracetamol	J. C. Bhangoji, S. S. Kahandal, R. S. Patil, T. L. Lambat, S. I. Khan, G. Wadhava, S. H. Mahmood, and S. S. Shendage	Chemistry	ECS Advances	https://iopscience.iop.org/journal/2754-2734



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16	Magnetic and structural characterization of Sn doped cobalt ferrites; A visible light-driven photocatalysts for degradation of rhodamine-B and modeling the process by artificial intelligence tools	SD Zimur, Pratapsingh Gaikwad, AV Mali, Amit Prakash Patil, SH Burungale, PD Kamble	Chemistry	Journal of Alloys and Compounds	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds
17	Magnetic nanostructured adsorbents for water treatment: Structure-property relationships, chemistry of interactions, and lab-to-industry integration	S. M. Prabhu, N. R. Rane, X. Li, S. V. Otari, S. D. Girawale, A. R. Palake, K. M. Kodam, Y-K. Park, Y-H. Ha, K. Yadav, M. Ali Khan, B-H. Jeon	Microbiology	Chemical Engineering Journal	https://pubs.acs.org/journal/cgd/efu
18	Phytochemical Profiling, Antimicrobial, Antiproliferative and Apoptotic Effects of <i>Stemodia viscosa</i> Roxb. of Western Ghats Region, India, Chemistry & Biodiversity	Alfredi A Moyo, Kishor S. Jagadhane, Sneha R Bhosale, Devashree N Patil, Vinod B Shimpale, Prashant V Anbhule*	Chemistry	Chemistry & Biodiversity	https://onlinelibrary.wiley.com/journal/16121880
19	Cultural and Morphological Characterization of <i>Alternaria brassicicola</i> Schwein. & Wiltshire. Associated with Leaf Spot Disease of Cabbage	S. S. Pawar, N. K. Khandare, G. G. Potdar	Botany	BIOINFOLET - A Quarterly Journal of Life Sciences	https://www.indianjournals.com/ijor.aspx?target=ijor:bil&type=home



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20	Histotoxicity of AIEgen Based on Triphenylamine for the Simultaneous and Discriminatory Sensing of Hg ²⁺ and Ag ⁺ Directly in Aqueous Media for Environmental Applications	Jagadhane, K. S.; Birajdar, N. B.; Kolekar, G. B.; Anbhule, P. V.	Chemistry	Chemical Research in Toxicology	https://pubs.acs.org/journal/crtoc
21	Exploring Extracellular Hydrolytic Enzyme and Bio Flocculant-Producing Bacterial Isolates for Bioremediation of Vegetable Oil Refinery Effluent	G.M. Shinde, A. Jadhav	Microbiology	Journal of Chemical Health Risks	https://www.jchr.org/index.php/JCHR
22	Anticancer and Apoptotic Effects of Hymenodictyon floribundum (Hochst. & Steud.) B. L. Rob. Stem Bark Hydroethanolic Extract	Alfredi A. Moyo, Kishor S. Jagadhane, Sneha R. Bhosale, Sachin B. Shinde, Alphonse I. Marealle, Vinod B. Shimpale, Prashant V. Anbhule*	Chemistry	Chemistry Africa	https://link.springer.com/journal/42250
23	Evaluation of antimicrobial, cytotoxicity effects and antioxidant potential of Stemodia verticillata (Mill.) Hassl extracts Journal of Applied Pharmaceutical Science	Alfredi A Moyo, Sneha R Bhosale, Kishor S. Jagadhane, Sachin B Shinde, Vinod B Shimpale, Prashant V Anbhule*	Chemistry	Journal of Applied Pharmaceutical Science	https://japsonline.com/
24	Symmetric supercapacitor based on biosynthesized nanosheets of reduced graphene oxide (rGO): Characterization and electrochemical behavior	A. A Survase, S. H Sutar, S. B Ubale, S. S Kanase	Chemistry	Journal of Electrochemical Chemistry	https://www.sciencedirect.com/journal/journal-of-electroanalytical-chemistry



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25	Treatment of Textile Processing Effluent Using Bacterial Isolate and Activated Charcoal	Gajanan Shinde, Ajaykumar Jadhav	Microbiology	Journal of Chemical Health Risks	https://jchr.org/index.php/JCHR
26	Treatment of Textile Processing Effluent Using Bacterial Isolate and Activated Charcoal	Gajanan Shinde, Ajaykumar Jadhav	Microbiology	Journal of Chemical Health Risks	https://jchr.org/index.php/JCHR
27	Texture and major element geochemistry of channel sediments in the Orsang and Hiren River Basins, Gujarat, India: Implications for provenance and weathering	Keshwala Nikunj, Maurya Shivam, Gurav Chandrakant A. and More Laxman	Geology	Journal Indian Association of Sedimentologists	https://journal.indiansedimentologists.com/ojs/index.php/1


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