3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the year 2022-23

Sr. 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	Impact Factor	Citation
1	Simultaneous Determination and Validation of Anti-Tubercular Drugs in Simulated Lungs Alveolar Macrophages Fluid by Ultraviolet-Visible Spectrophotometric Method	V Bhoyar, **VS Belgamwar**, S Trivedi	**Department of Pharmacy**	Journal of Applied Spectroscopy	2022-23	0021-9037	https://doi.org/10.1007/s10812-022-01444-z	0.7	2
2	Development and characterization of amphotericin B nanoemulsion-loaded mucoadhesive gel for treatment of vulvovaginal candidiasis	Mrunal U Patil, Amarjitsing P Rajput, **Veena S Belgamwar**, Shailesh S Chalikwar	**Department of Pharmacy**	Heliyon	2022-23	2405-8440	https://doi.org/10.1016/j.heliyon.2022.e11489	4	6
3	TET1-induced DNA demethylation in dentate gyrus is important for reward conditioning and reinforcement	Sneha Sagarkar, Nagashree Bhat, Madhura Sapre, Biru Dudhabhate, **Dadasaheb M Kokare**, Nishikant K Subhedar, Amul J Sakharkar	**Department of Pharmacy**	Molecular Neurobiology	2022-23	0893-7648	https://doi.org/10.1007/s12035-022-02917-0	5.1	6
4	In-house fabrication of bipolar electrode-cannula assembly for electrical stimulation and drug delivery at the same site in rat brain	Amit G Choudhary, Sanjay N Awathale, Nishikant K Subhedar, **Dadasaheb M Kokare**	**Department of Pharmacy**	Journal of Pharmacological and Toxicological Methods	2022-23	1056-8719	https://doi.org/10.1016/j.vascn.2022.107194	3.9	0
5	Neuropeptide S facilitates extinction of fear via modulation of mesolimbic dopaminergic circuitry	Harish M Kawade, Sanjay N Awathale, Nishikant K Subhedar, **Dadasaheb M Kokare**	**Department of Pharmacy**	Neuropharmacology	2022-23	0028-3908	https://doi.org/10.1016/j.neuropharm.2022.109274	4.7	3
6	Ethnological validation of Ashwagandha (Withania somnifera L. Dunal) ghrita as 'Vajikarana Rasayana': In-silico, in-vitro and in-vivo approach	Shailendra Gurav, Manish Wanjari, Ritesh Bhole, **Nishikant Raut**, Satyendra Prasad, Suprit Saoji, Rupesh Chikhale, Pukar Khanal, Amit Pant, Muniappan Ayyanar, Nilambari Gurav	**Department of Pharmacy**	Journal of Ethnopharmacology	2022-23	0378-8741	https://doi.org/10.1016/j.jep.2022.116064	5.4	8
7	Combinations of vitamin A and D are synergistic in breast cancer cells and alter gene expression in the endoplasmic reticulum stress, unfolded protein and estrogen signaling ...	Pinal N Kanabar, Nina S Los, Temitope O Lawal, Shitalben M Patel, **Nisikant A Raut**, Mark Maienschein-Cline, Zarema Arbieva, Gail Mahady	**Department of Pharmacy**	Functional Foods in Health and Disease	2022-23	2160-3855	https://doi.org/10.31989/ffhd.v13i3.1069	1.04	1
8	Peonidin-3-O-glucoside and Resveratrol Increase the Viability of Cultured Human hFOB Osteoblasts and Alter the Expression of Genes Associated with Apoptosis ...	Keila C Ostos Mendoza, Karen D Garay Buenrostro, Pinal N Kanabar, Mark Maienschein-Cline, Nina S Los, Zarema Arbieva, **Nishikant A Raut**, Temitope O Lawal, Alice M López, Paulina Cabada-Aguirre, Diego A Luna-Vital, Gail B Mahady	**Department of Pharmacy**	Nutrients	2022-23	2072-6643	https://doi.org/10.3390/nu15143233	5.7	0
9	Anti-hemorrhoidal potential of standardized leaf extract of Dolichandrone falcata	Dhaswadikar, Suhas R Parmar, Komal M Kamble, Shantibhushan K Kathuria, Ishita Dhobi, Mahaveer Birajdar, Arunadev Prasad, Satyendra K **Itankar, Prakash R**	**Department of Pharmacy**	Phytomedicine Plus	2022-23	26670313	10.1016/j.phyplu.2021.100172	0	11
10	A systematic antidiarrhoeal evaluation of a vegetable root Begonia roxburghii and its marker flavonoids against nonpathogenic and pathogenic diarrhoea	Rupali S Prasad, Nikhil Y Yenorkar, Suhas R Dhaswadikar, Saurabh K Sinha, Nitish Rai, Pravesh Sharma, Onkar Kulkarni, Neeraj Kumar, Mahaveer Dhobi, Damiki Laloo, Shailendra S Gurav, **Prakash R Itankar**, Satyendra K Prasad	**Department of Pharmacy**	Food Bioscience	2022-23	2212-4292	https://doi.org/10.1016/j.fbio.2023.102672	0	2
11	Wound healing potential of Acacia catechu in streptozotocin-induced diabetic mice using inávivo and in silico approach	Vinayak P Nakhate, Natasha S Akojwar, Saurabh K Sinha, Amarsinh D Lomte, Mahaveer Dhobi, **Prakash R Itankar**, Satyendra K Prasad	**Department of Pharmacy**	Journal of Traditional and Complementary Medicine	2022-23	2225-4110	https://doi.org/10.1016/j.jtcme.2023.05.001	4.5	5
12	Antioxidant phenolic compounds from seeds of Hordeum vulgare Linn. ameliorates diabetic nephropathy in streptozotocin-induced diabetic rats	Mahajan, Renuka Prasad, Satyendra Gaikwad, Sanjana **Itankar, Prakash** b	**Department of Pharmacy**	Journal of Traditional Chinese Medical Sciences	2022-23	20957548	10.1016/j.jtcms.2023.06.010	0.35	3
13	Quality control profiling, nutritional analysis and phytochemical standardization of a vegetable root Begonia roxburghii	Prasad, Rupali S Dhaswadikar, Suhas R. Laloo, Damiki Dhobi, Mahaveer **Itankar, Prakash R.** Prasad, Satyendra K	**Department of Pharmacy**	Vegetos	2022-23	9704078	10.1007/s42535-022-00446-8	5.6	3

14	Preparation of Terbinafin-Encapsulated Solid Lipid Nanoparticles Containing Antifungal Carbopol® Hydrogel with Improved Efficacy: In Vitro, Ex Vivo and In Vivo ...	Nilesh R Rarokar, Sunil S Menghani, Deweshri R Kerzare, **Pramod B Khedekar**, Ashish P Bharne, Abdulhakeem S Alamri, Walaa F Alsanie, Majid Alhomrani, Nagaraja Sreeharsha, Syed Mohammed Basheeruddin Asdaq	**Department of Pharmacy**	Pharmaceutics	2022-23	1999-4923	https://doi.org/10.3390/pharmaceutics14071393	5.4	18
15	Pteroyl-γ-l-glutamate/Pluronic® F68 modified polymeric micelles loaded with docetaxel for targeted delivery and reduced toxicity	Nilesh Rarokar, Roshani Agrawal, Sakshi Yadav, **Pramod Khedekar**, C Ravikumar, Darshan Telange, Shailendra Gurav	**Department of Pharmacy**	Journal of Molecular Liquids	2022-23	0167-7322	https://doi.org/10.1016/j.molliq.2022.120842	6	18
16	Solubility enhancement of extract of Lagenaria siceraria by development of Phospholipon® 90 H modulated phospholipid complex employing Box-Behnken design	NR Rarokar, DR Telange, RP Kalsait, **PB Khedekar**	**Department of Pharmacy**	Annales Pharmaceutiques Françaises	2022-23	0003-4509	https://doi.org/10.1016/j.pharma.2022.11.007	1.3	9
17	New Benzopyrrole Derivatives: Synthesis and Appraisal of Their Potential as Antimicrobial Agents	Deweshri Nandurkar, Sunil Menghani, Kishor Danao, Vijayshri Rokde, Nilesh Rarokar, **Pramod Khedekar**, Supriya Mana	**Department of Pharmacy**	Chemistry & Biodiversity	2022-23	1612-1872	https://doi.org/10.1002/cbdv.202300394	2.9	1
18	In-silico Studies, Synthesis, and Evaluation of Anti-inflammatory Activity of Novel Pyrimidine Scaffold	Ganesh Munde, Sunil Menghani, Nilesh Rarokar, Deweshri Kerzare, Md Asif I Chittur, **Pramod Khedekar**	**Department of Pharmacy**	Letters in Drug Design & Discovery	2022-23	1570-1808	https://doi.org/10.2174/1570180819666220523090351	1	2
19	Chlorogenic acid loaded niosomes and proniosomes: in vitro antioxidant and antibacterial activities with efficacy in wound healing	Hemangi Ramesh Trivedi, **Prashant Keshao Puranik**	**Department of Pharmacy**	Digital Chinese Medicine	2022-23	2096479X	10.1016/j.dcmed.2023.07.007	1.46	0
20	A Validated Reversed-phase High-performance Liquid Chromatography Analytical Method for the Analysis of Methylcobalamin in Bulk Drugs and T-Dosage Formulation	Pimpale A.D Pethe A.M Kakde **R.B Kakde** I.R.	**Department of Pharmacy**	International Journal of Pharmaceutical Quality Assurance	2022-23	9759506	10.25258/ijpqa.13.3.17	0.4	0
21	Development and Validation for the Estimation of Fenofibrate in Pharmaceutical Dosage form by Reversed-phase High-performance Liquid Chromatography	Pimpale, Awdhut Gunde, Mahendra Kakde, **Rajendra Kakde**, Ishwar	**Department of Pharmacy**	International Journal of Drug Delivery Technology	2022-23	9754415	10.25258/ijddt.12.4.22	1.5	0
22	Importance of Pharmacophore in Designing Anticonvulsant Agents	Kale, Amol **Kakde, Rajendra** Pawar, Smita Jagtap, Vishal Dorugade, Rahul	**Department of Pharmacy**	CNS and Neurological Disorders - Drug Targets	2022-23	18715273	10.2174/1871527321666220401115529	3.5	1
23	Pre-clinical investigations of therapeutic markers associated with acute and chronic restraint stress: a nuclear magnetic resonance based contrast metabolic approach	Sanjay Singh, Sukanya Tripathy, Atul Rawat, Durgesh Dubey, Sarfraj Ahmad Siddiqui, **Rajesh Ugale**, Dinesh Kumar, Anand Prakash	**Department of Pharmacy**	Nanotheranostics	2022-23	2206-7418	doi: 10.7150/ntno.76294	4.83	2
24	Pharmacological evaluation of lateral habenula and rostromedial tegmental nucleus in the expression of ethanol-induced place preference	Sukanya G Gakare, **Rajesh R Ugale**	**Department of Pharmacy**	Behavioural Pharmacology	2022-23	0955-8810	10.1097/FBP.0000000000000728	1.6	1
25	Bioactivity and in silico studies of isoquinoline and related alkaloids as promising antiviral agents: an insight	Divya Sharma, Neetika Sharma, Namish Manchanda, **Satyendra K Prasad**, Prabodh Chander Sharma, Vijay Kumar Thakur, M Mukhlesur Rahman, Mahaveer Dhobi	**Department of Pharmacy**	Biomolecules	2022-23	2218-273X	https://doi.org/10.3390/biom13010017	4.8	4
26	An insight into current treatment strategies, their limitations, and ongoing developments in vaccine technologies against herpes simplex infections	Divya Sharma, Supriya Sharma, Natasha Akojwar, Ayusha Dondulkar, Nikhil Yenorkar, Deepti Pandita, **Satyendra K Prasad**, Mahaveer Dhobi	**Department of Pharmacy**	Vaccines	2022-23	2076-393X	https://doi.org/10.3390/vaccines11020206	7.8	6

27	Ethnological validation of Ashwagandha (Withania somnifera L. Dunal) ghrita as 'Vajikarana Rasayana': In-silico, in-vitro and in-vivo approach	Shailendra Gurav, Manish Wanjari, Ritesh Bhole, Nishikant Raut, **Satyendra Prasad**, Suprit Saoji, Rupesh Chikhale, Pukar Khanal, Amit Pant, Muniappan Ayyanar, Nilambari Gurav	**Department of Pharmacy**	Journal of Ethnopharmacology	2022-23	0378-8741	https://doi.org/10.1016/j.jep.2022.116064	5.4	8
28	Corrigendum to "Development and evaluation of aphrodisiac potential of a classical ayurvedic formulation,'Kaamdev ghrita'in rat model"[J Ayurveda Integr Med 12 (2021) 294–301]	Nilambari Gurav, Shailendra Gurav, Manish Wanjari, **Satyendra Prasad**, Sandesh Wayal, Nilesh Rarokar	**Department of Pharmacy**	Journal of Ayurveda and Integrative Medicine	2022-23	0975-9476	10.1016/j.jaim.2023.100687	2.4	0
29	A systematic antidiarrhoeal evaluation of a vegetable root Begonia roxburghii and its marker flavonoids against nonpathogenic and pathogenic diarrhoea	Rupali S Prasad, Nikhil Y Yenorkar, Suhas R Dhaswadikar, Saurabh K Sinha, Nitish Rai, Pravesh Sharma, Onkar Kulkarni, Neeraj Kumar, Mahaveer Dhobi, Damiki Laloo, Shailendra S Gurav, Prakash R Itankar, **Satyendra K Prasad**	**Department of Pharmacy**	Food Bioscience	2022-23	2212-4292	https://doi.org/10.1016/j.fbio.2023.102672	5.2	2
30	Green synthesis of silver nanoparticles using hydroalcoholic root extract of Potentilla fulgens and evaluation of its cutaneous wound healing potential	Alakesh Bharali, Himangshu Sarma, Nikhil Biswas, Jun Moni Kalita, Biswajit Das, Bhanu P Sahu, **Satyendra K Prasad**, Damiki Laloo	**Department of Pharmacy**	Materials Today Communications	2022-23	2352-4928	https://doi.org/10.1016/j.mtcomm.2023.106050	3.8	7
31	Traditional complementary and alternative medicine (TCAM) for diabetic foot ulcer management: A systematic review	Suman Kumar, Alakesh Bharali, Himangshu Sarma, Susankar Kushari, Sameeran Gam, Iswar Hazarika, **Satyendra K Prasad**, Damiki Laloo	**Department of Pharmacy**	Journal of Ayurveda and Integrative Medicine	2022-23	0975-9476	https://doi.org/10.1016/j.jaim.2023.100745	2.4	7
32	Analysing the impact of eriosematin E from Eriosema chinense Vogel. against different diarrhoeagenic pathovars of Escherichia coli using in silico and in vitro approach	Rupesh V Chikhale, Rupali S Prasad, Pedro Ernesto de Resende, Natasha S Akojwar, Raksha A Purohit, Shailendra S Gurav, Saurabh K Sinha, **Satyendra K Prasad**	**Department of Pharmacy**	Journal of Biomolecular Structure and Dynamics	2022-23	7391102	10.1080/07391102.2023.2246570	0.7	0
33	Antioxidant phenolic compounds from seeds of Hordeum vulgare Linn. ameliorates diabetic nephropathy in streptozotocin-induced diabetic rats	Renuka Mahajan, **Satyendra Prasad**, Sanjana Gaikwad, Prakash Itankar	**Department of Pharmacy**	Journal of Traditional Chinese Medical Sciences	2022-23	20957548	10.1016/j.jtcms.2023.06.010	1.5	3
34	Bioprospecting of Actinomycetes from Diverse Ecosystems: A Potential Source of Pharmaceutically Active Metabolites	Amita Godbole, **Rita Wadetwar**, Sunita Bundale, Nandita Nashikkar, Pranita Kanojiya	**Department of Pharmacy**	Research Square	2022-23	2693-5015	https://doi.org/10.21203/rs.3.rs-1932674/v1	0	0
35	Bioprospecting of Actinomycetes from Diverse Ecosystems for Antimicrobial Activity	Amita Prasanna Godbole, **Rita Naresh Wadetwar**, Sunita Bhupesh Bundale, Nandita Nashikkar, Pranita Sunil Kanojiya	**Department of Pharmacy**	Indian Journal of Pharmaceutical Education and Research	2022-23	195464	10.5530/ijper.57.3s.68	0.6	1
36	Formulation and Evaluation of Antifungal Drug Containing Mucoadhesive Tablet for Vaginal Candidiasis	Pranita Sunil Kanojiya, **Rita Naresh Wadetwar,** Amita Prasanna Godbole	**Department of Pharmacy**	Indian Journal of Pharmaceutical Education and Research	2022-23	195464	10.5530/ijper.57.3s.66	0.6	2
37	Nanostructured lipid carriers mediated transdermal delivery of trandolapril as an impeccable therapeutic approach against hypertension: Development, characterization and in	Ramankit Jaiswal, **Rita Wadetwar**	**Department of Pharmacy**	OpenNano	2022-23	23529520	https://doi.org/10.1016/j.onano.2023.100144	0	3
38	Sustained vaginal delivery of in situ gel containing Voriconazole nanostructured lipid carrier: formulation, in vitro and ex vivo evaluation	Ruchika M Bondre, Pranita S Kanojiya, **Rita N Wadetwar**, Priya S Kangali	**Department of Pharmacy**	Journal of Dispersion Science and Technology	2022-23	0193-2691	https://doi.org/10.1080/01932691.2021.2022489	2.2	5
39	Delignification of Seeds and Culture as a Tool for Early Asymbiotic Seed Germination in Habenaria panchganiensis, A Critically Endangered Terrestrial Orchid of Western Ghats	Uma Thakur, **Nitin Dongarwar**	**Department of Botany**	Applied Biological Research	2022-23	9720979	10.5958/0974-4517.2022.00048.9	0.6	0

40	Nutrition, age of explant and plant growth regulators affect the multiple shoot induction in Lantana camara L.	Shilpa Madke, Konglanth Cherian, **Rupesh Badere**	**Department of Botany**	Journal of Indian Botanical Society	2022-23	0019-4468	10.5958/2455-7218.2022.00001.8	0	0
41	Enhancement of phenylalanine ammonia-lyase activity in cucumber and chilli seedlings by aqueous extract of Cleistanthus collinus	Monal Kadoo, **Rupesh Badere**	**Department of Botany**	Indian Journal of Natural Products & Resources	2022-23	9760504	10.56042/ijnpr.v14i4.6320	0.8	0
42	In vitro intervention modifies the outcome of induced mutagenesis using gamma-ray but not ethyl methanesulphonate in cockscomb (Celosia cristata L.)	Pallavi Rinkey, **Rupesh Badere**	**Department of Botany**	Indian Journal of Genetics and Plant breeding	2022-23	0019-5200	https://doi.org/10.31742/ISGPB.83.4.19	0.4	0
43	(Diacetoxyiodo) benzene Mediated Oxidative Conversion of Erlenmeyer Azlactones to 2-Substituted Oxazolines Under Basic Conditions: Synthesis of 4-Methoxy-2-phenyl-5-aryl-4, 5 …	Rameshwar S Shinde, Aditya R Narnawre, Prashik M Walke, **Nandkishor N Karade**	**Department of Chemistry**	ChemistrySelect	2022-23	2365-6549	https://doi.org/10.1002/slct.202203899	2.3	0
44	Metal-free intramolecular oxidative cyclization of (Z)-2-benzamido-3-arylacrylates using I2/DMSO: Synthesis of 2, 4, 5-trisubstituted oxazoles	Rameshwar S Shinde, Aditya R Narnawre, **Nandkishor N Karade**	**Department of Chemistry**	Tetrahedron Letters	2022-23	0040-4039	https://doi.org/10.1016/j.tetlet.2023.154370	1.8	1
45	In vitro and in vivo evaluation of the antimicrobial, antioxidant, cytotoxic, hemolytic activities and in silico POM/DFT/DNA-binding and pharmacokinetic analyses of …	Sangar Ali Hassan, Dara Muhammed Aziz, Media Noori Abdullah, Ajmal R Bhat, **Rajendra S Dongre**, Taibi Ben Hadda, Faisal A Almalki, Sarkar MA Kawsar, Aziz Lalilur Rahiman, Sumeer Ahmed, Magda H Abdellattif, Malika Berredjem, SA Sheikh, Joazaizulfazli Jamalis	**Department of Chemistry**	Journal of Biomolecular Structure and Dynamics	2022-23	0739-1102	https://doi.org/10.1080/07391102.2023.2226713	4.1	0
46	Discovery of novel coumarin-schiff base hybrids as potential acetylcholinesterase inhibitors: design, synthesis, enzyme inhibition, and computational studies	Aso Hameed Hasan, Faruq Azeez Abdulrahman, Ahmad J Obaidullah, Hadil Faris Alotaibi, Mohammed M Alanazi, Mahmoud A Noamaan, Sankaranarayanan Murugesan, Syazwani Itri Amran, Ajmal R Bhat, Joazaizulfazli Jamalis	**Department of Chemistry**	Pharmaceuticals	2022-23	1424-8247	https://doi.org/10.3390/ph16070971	5.2	9
47	Mesoporous Fe–Al-doped cellulose for the efficient removal of reactive dyes	Maithili Khapre, Anita Shekhawat, D Saravanan, Sadanand Pandey, **Ravin Jugade**	**Department of Chemistry**	Materials Advances	2022-23	2633-5409	10.1039/D2MA00146B	3.1	33
48	Chitosan entrapped microporous activated carbon composite as a supersorbent for remazol brilliant blue R	Pradip M Nandanwar, D Saravanan, Pankaj Bakshe, **Ravin M Jugade**	**Department of Chemistry**	Materials Advances	2022-23	2633-5409	10.1039/D2MA00508E	3.1	11
49	Adsorption of brilliant green dye by used-tea-powder: equilibrium, kinetics and thermodynamics studies	Sarika Vithalkar, **RM Jugade**, D Saravanan	**Department of Chemistry**	AQUA—Water Infrastructure, Ecosystems and Society	2022-23	2709-8028	https://doi.org/10.2166/aqua.2022.076	0	8
50	Methyl orange adsorption studies on glutaraldehyde cross-linking chitosan/fluorapatite-based natural phosphate composite	Rachid EL Kaim Billah, Ahmed Zaghloul, Hassan Ait Ahsaine, Amal BaQais, Idris Khadoudi, Nourddine El Messaoudi, Mahfoud Agunaou, Abdessadik Soufiane, **Ravin Jugade**	**Department of Chemistry**	International Journal of Environmental Analytical Chemistry	2022-23	**0306-7319**	https://doi.org/10.1080/03067319.2022.2130690	2.1	21
51	Chitosan/graphite/polyvinyl alcohol magnetic hydrogel microspheres for decontamination of reactive orange 16 dye	Priyanka Doondani, **Ravin Jugade**, Vaishnavi Gomase, Anita Shekhawat, Apurva Bambal, Sadanand Pandey	**Department of Chemistry**	Water	2022-23	2073-4441	https://doi.org/10.3390/w14213411	3.4	22
52	Development of a ghatti gum/poly (acrylic acid)/TiO2 hydrogel nanocomposite for malachite green adsorption from aqueous media: Statistical optimization using response surface …	Edwin Makhado, Boitumelo Rejoice Motshabi, Dalia Allouss, Kabelo Edmond Ramohlola, Kwena Desmond Modibane, Mpitloane Joseph Hato, **Ravin M Jugade**, Feroz Shaik, Sadanand Pandey	**Department of Chemistry**	Chemosphere	2022-23	0045-6535	https://doi.org/10.1016/j.chemosphere.2022.135524	8.8	44
53	Sequential modifications of chitosan biopolymer for enhanced confiscation of Cr (VI)	Vaishnavi Gomase, **Ravin Jugade**, Priyanka Doondani, D Saravanan, Sadanand Pandey	**Department of Chemistry**	Inorganic Chemistry Communications	2022-23	1387-7003	https://doi.org/10.1016/j.inoche.2022.110009	3.8	11

54	Adsorptive removal of Cr (VI) by chitosan-SiO2-TiO2 nanocomposite	Rachid El Kaim Billah, Anita Shekhawat, Said Mansouri, Hicham Majdoubi, Mahfoud Agunaou, Abdessadik Soufiane, **Ravin Jugade**	**Department of Chemistry**	Environmental Nanot	2022-23	22151532	10.1016/j.enmm.2022.100695	5.95	34
55	Dual modifications of chitosan with PLK for amputation of cyanide ions: Equilibrium studies and optimization using RSM	Vaishnavi Gomase, **Ravin Jugade**, Priyanka Doondani, Sharvari Deshmukh, D Saravanan, Sadanand Pandey	**Department of Chemistry**	International Journal of Biological Macromolecules	2022-23	0141-8130	https://doi.org/10.1016/j.ijbiomac.2022.11.024	8.2	21
56	Gamma degradation studies of chitosan and sodium alginate biopolymers	Apurva Bambal, **Ravin Jugade**, Vaishnavi Gomase, Anita Shekhawat, D Sarvanan	**Department of Chemistry**	NIScPR	2022-23	2583-1321	https://doi.org/10.56042/ijc.v62i9.270	0	0
57	Gamma-sterilized cow-dung for confiscation of triphenylmethane dyes from water bodies	Sadanand Pandey Sarika Vithalkar, **Ravin Jugade**, Apurva Bambal, Yogesh Pakade	**Department of Chemistry**	Environmental Progress and Sustainable Energy	2022-23	19447442	10.1002/ep.14262	3.44	1
58	Adsorptive removal of As (III) by cellulose-Sn (IV) biocomposite	Anita Shekhawat, **Ravin Jugade**, Vaishnavi Gomase, Shashikant Kahu, Saravanan Dhandayutham, Sadanand Pandey	**Department of Chemistry**	Journal of Composites Science	2022-23	2504-477X	https://doi.org/10.3390/jcs7010019	3.3	10
59	Chitosan-Biopolymer-Entrapped Activated Charcoal for Adsorption of Reactive Orange Dye from Aqueous Phase and CO2 from Gaseous Phase	Pradip Nandanwar, **Ravin Jugade**, Vaishnavi Gomase, Anita Shekhawat, Apurva Bambal, Dhandayutham Saravanan, Sadanand Pandey	**Department of Chemistry**	Journal of Composites Science	2022-23	2504-477X	https://doi.org/10.3390/jcs7030103	3.3	18
60	Multifunctional cross-linked shrimp waste-derived chitosan/MgAl-LDH composite for removal of As (V) from wastewater and antibacterial activity	Rachid El Kaim Billah, Zineb Azoubi, Eduardo Alberto López-Maldonado, Hicham Majdoubi, Hassane Lgaz, Eder C Lima, Anita Shekhawat, Youssef Tamraoui, Mahfoud Agunaou, Abdessadik Soufiane, **Ravin Jugade**	**Department of Chemistry**	ACS omega	2022-23	2470-1343	https://doi.org/10.1021/acsomega.2c07391	4.1	11
61	Phytostabilization and rhizofiltration of toxic heavy metals by heavy metal accumulator plants for sustainable management of contaminated industrial sites: a comprehensive review	Pankaj Bakshe, **Ravin Jugade**	**Department of Chemistry**	Journal of Hazardous Materials Advances	2022-23	2772-4166	https://doi.org/10.1016/j.hazadv.2023.100293	0	23
62	Mesoporous cellulose assemblage Al-doped ferrite for sustainable defluoridation process based on parameters optimization through RSM	Anita Shekhawat, **Ravin Jugade**, Shashikant Kahu, D Saravanan, Sharvari Deshmukh	**Department of Chemistry**	Inorganic Chemistry Communications	2022-23	1387-7003	https://doi.org/10.1016/j.inoche.2023.110528	3.8	0
63	Fe(III)–Chitosan Microbeads for Adsorptive Removal of Cr(VI) and Phosphate Ions	SA Tandekar, MA Pande, A Shekhawat, E Fosso-Kankeu, S Pandey, **RM Jugade**	**Department of Chemistry**	Minerals	2022-23	2075163X	10.3390/min12070874	2.7	1
64	Rational modification of chitosan biopolymer for remediation of Cr (VI) from water	Anita Shekhawat, Shashikant Kahu, D Saravanan, Sadanand Pandey, **Ravin Jugade**	**Department of Chemistry**	Journal of Hazardous Materials Advances	2022-23	27724166	https://doi.org/10.1016/j.hazadv.2022.100123	0	13
65	Chitosan coated cotton-straw-biochar as an admirable adsorbent for reactive red dye	Priyanka Doondani, Vaishnavi Gomase, D Saravanan, **Ravin Manohar Jugade**	**Department of Chemistry**	Results in Engineering	2022-23	2590-1230	https://doi.org/10.1016/j.rineng.2022.100515	5	30
66	How Flexible Is the Concept of Local Thermodynamic Equilibrium?	**Vijay M Tangde**, Anil A Bhalekar	**Department of Chemistry**	Entropy	2022-23	1099-4300	https://doi.org/10.3390/e25010145	2.4	2
67	Effect of aqueous solutions of KCl, MgCl2, Dextrose and Urea on solvation behavior of aqueous myo-Inositol	Pranali Y Umredkar, **Vijay M Tangde**, Niraj T Khaty, Kapil S Ganorkar, Sudhakar S Dhondge	**Department of Chemistry**	Journal of Molecular	2022-23	0167-7322	https://doi.org/10.1016/j.molliq.2023.121522	6	2
68	Volumetric and acoustic studies of L-Citrulline in aqueous Urea and Dextrose solutions at different temperatures	Nikhat G Sheikh, **Vijay M Tangde**, Niraj T Khaty, Sudhakar S Dhondge, Alka S Dhondge	**Department of Chemistry**	Chemical Thermodynamics and Thermal Analysis	2022-23	26673126	https://doi.org/10.1016/j.ctta.2022.100061	1.1	1
69	An Implementation of Divide and Conquer Clustering Technique for Improving the Interoperability in Hybrid Cloud Environment	**Barhate, Shweta**	**Department of Electronic & Computer Science**	International Journal on Recent and Innovation Trends in Computing and Communication	2022-23	23218169	10.17762/ijritcc.v10i1s.5822	0.042	1

70	Significance of Artificial Intelligence in the Production of Effective Output in Power Electronics	Anandpwar, Winit **Barhate, Shweta** Limkar, Suresh Vyawahare, Mohini Ajani, Samir N Borkar, Pradnya	**Department of Electronic & Computer Science**	International Journal on Recent and Innovation Trends in Computing and Communication	2022-23	23218169	10.17762/ijritcc.v11i3s.6152	0.042	16
71	Palynoflora from an Upper Cretaceous freshwater paleolake in central India: paleoecological implications	**Bandana Saman**t, Sumedha Puranik, DK Kapgate, DM Mohabey, Anup Dhobale	**Department of Geology**	Cretaceous Research	2022-23	0195-6671	https://doi.org/10.1016/j.cretres.2022.105302	2.1	7
72	Fruits and Pollen of Malvoideae (Malvaceae) in the Maastrichtian–Danian Deccan Intertrappean Beds of Central India	Steven R Manchester, Dashrath K Kapgate, **Bandana Samant**, Dhananjay M Mohabey, Anup Dhobale	**Department of Geology**	International Journal of Plant Sciences	2022-23	1058-5893	https://doi.org/10.1086/723016	2.3	3
73	The oldest birotule-bearing freshwater sponges from the Upper Cretaceous–lower Paleocene Deccan volcanic-associated sediments of India	**Bandana Samant**, Roberto Pronzato, Dhananjay Mahendrakumar Mohabey, Tiziana Cubeddu, Giacinta Angela Stocchino, Krutika Jangale, Pranay Thalal, Anup Dhobale, Renata Manconi	**Department of Geology**	Acta Palaeontologica Polonica	2022-23	0567-7920	https://doi.org/10.4202/app.01040.2022	2.3	0
74	A review of small-bodied theropod dinosaurs from the Upper Cretaceous of India, with description of new cranial remains of a noasaurid (Theropoda: Abelisauria)	Dhananjay M Mohabey, **Bandana Samant**, Kevin I Vélez-Rosado, Jeffrey A Wilson Mantilla	**Department of Geology**	Journal of Vertebrate Paleontology	2022-23	0272-4634	https://doi.org/10.1080/02724634.2023.2288088	2.5	2
75	Morphotectonic imprints on the evolution of the fluvial landscape in central India inferred from remotely sensed data and GIS	**BS Manjare**, GP Obi Reddy, UP Meshram	**Department of Geology**	Environmental Earth Sciences	2022-23	1866-6280	https://doi.org/10.1007/s12665-022-10500-y	2.8	2
76	Research Article Chromite Composition and Platinum-Group Element Distribution in the Proterozoic Chimalpahad Anorthosite Complex, South India: Implications for Magmatic …	Tushar Meshram, Shraddha Nannaware, Satya Narayana Mahapatro, ML Dora, Srinivasa Baswani, **Kirtikumar Randive**	**Department of Geology**	Lithosphere	2022-23	1941-8264	https://doi.org/10.2113/2022/4452898	2.4	0
77	Rift-induced structurally controlled hydrothermal barite veins in 1.6 Ga granite, Western Bastar Craton, Central India: Constraints from fluid inclusions, REE geochemistry …	ML Dora, Sandip K Roy, Merajuddin Khan, **Kirtikumar Randive**, Dillip R Kanungo, Ramanath Barik, Chalavadi S Kaushik, Sanjay H Bari, Rama S Pattanayak, KVS Krishna, Girish K Mayachar	**Department of Geology**	Ore Geology Reviews	2022-23	0169-1368	https://doi.org/10.1016/j.oregeorev.2022.105050	3.3	3
78	Petrogenesis of phlogopite-pyroxenite from Southern India: Implications for the link between Proterozoic subduction-to rift-related arc magmatism	Tushar Meshram, Satyanarayana Mahapatro, VV Sesha Sai, ML Dora, **Kirtikumar Randive**, Srinivasa Baswani	**Department of Geology**	Geosystems and Geo	2022-23	721050	https://doi.org/10.1016/j.geogeo.2022.100033	1.5	5
79	The Paleo-Mesoarchaean Gondpipri mafic-ultramafic intrusions, Western Bastar Archaean craton, central India: Insights from bulk-rock geochemistry and Sm-Nd and S isotope …	ML Dora, Tushar Meshram, Srinivas R Baswani, Vivek P Malviya, Satya Narayana Mahapatro, Jitendra K Dash, Rajkumar R Meshram, Sanjeet K Verma, Sanjay H Wankhade, Manoranjan Mohanty, Pitamber Pati, **Kirtikumar Randive**	**Department of Geology**	Economic Geology	2022-23	0361-0128	https://doi.org/10.5382/econgeo.4947	5.52	7
80	Geological evolution of the Proterozoic Betul belt (~ 2.16–0.95 Ga) of the Central Indian tectonic Zone: Its linkage to the assembly and dispersal of Columbia and Rodinia	M Lachhana Dora, Tushar Meshram, Srinivasa Rao Baswani, Vivek P Malviya, Dewashish Upadhyay, Mohd Shareef, Mohd Atif Raza, Sameer Ranjan, Rajkumar Meshram, Monaj Kumar Patnaik, **Kirtikumar Randive**	**Department of Geology**	Gondwana Research	2022-23	1342-937X	https://doi.org/10.1016/j.gr.2022.11.017	6.1	5
81	Petrochemical evaluation of gahnite from volcanogenic massive sulfide deposits in Betul belt, Central India: Insight from petrography and in-situ trace element geochemistry	Baswani, Srinivasa Rao Mishra, Bishnu Prasad Mahapatro, Satya Narayana Meshram, Tushar Pati, Pitambar Shareef, Mohamed Korakoppa, Mahesh Mishra, Monika Raza, Mohammad Atif Roy, Sandip **Randive, Kirti** Malviya, Vivek P	**Department of Geology**	Geological Journal	2022-23	721050	10.1002/gj.4555	2	3

82	An assessment of geo-environmental quality using physical data and a geospatial approach: an example for a watershed in Central India	Atul P Doad, Sandipan Das, SP Khadse, YD Khare, Chaitanya B Pande, **Abhay M Varade**	**Department of Geology**	Environmental Earth	2022-23	1866-6280	https://doi.org/10.1007/s12665-022-10480-z	3.1	4
83	Sustainable aquifer management plan for basaltic aquifer system of Jalna district, Maharashtra, India	Bhushan R Lamsoge, **Abhay M Varade**, JR Verma, V Anu, V Venkatesam	**Department of Geology**	Journal of Earth Syste	2022-23	2347-4327	https://doi.org/10.1007/s12040-022-01992-0	2	1
84	Prediction of sodium hazard of irrigation purpose using artificial neural network modelling	Vinay Kumar Gautam, Chaitanya B Pande, Kanak N Moharir, **Abhay M Varade**, Nitin Liladhar Rane, Johnbosco C Egbueri, Fahad Alshehri	**Department of Geology**	Sustainability	2022-23	2071-1050	https://doi.org/10.3390/su15097593	4	70
85	Sub-watershed prioritization of Koyna river basin in India using multi criteria analytical hierarchical process, remote sensing and GIS techniques	RS Shelar, SP Shinde, Chaitanya B Pande, Kanak N Moharir, Israel R Orimoloye, Arun P Mishra, **Abhay M Varade**	**Department of Geology**	Physics and Chemistry of the Earth	2022-23	14747065	https://doi.org/10.1016/j.pce.2022.103219	3.57	33
86	Phonon dynamics of (Bi1-xSbx) 2Te3 topological insulators by Raman spectroscopy	Rajashri R Urkude, **Umesh A Palikundwar**	**Department of Physics**	Physica B: Condense	2022-23	0921-4526	https://doi.org/10.1016/j.physb.2023.414754	2.8	1
87	Effect of Sr doping on structural, magnetic and transport properties of La1-ySryMn0. 5Co0· 5O3±δ	**Umesh A Palikundwar**, Kalpana R Nagde, Chandragupta M Dudhe, Gautam C Wakde	**Department of Physics**	Physica B: Condense	2022-23	0921-4526	https://doi.org/10.1016/j.physb.2023.414823	2.8	1
88	Nitrogen optimized highly stable carbon for increasing the efficiency of supercapacitors	Deepa B Bailmare, Mrunali D Wagh, Nitin Narkhede, RK Sharma, **Abhay D Deshmukh**	**Department of Physics**	International Journal of Energy Research	2022-23	0363-907X	https://doi.org/10.1002/er.8285	5.1	2
89	Explication of mechanism governing atmospheric degradation of 3D-printed poly (lactic acid)(PLA) with different in-fill pattern and varying in-fill density	Swamini Chopra, Kavita Pande, Priadarshni Puranam, **Abhay D Deshmukh**, Avinash Bhone, Rameshwar Kale, Abhishek Galande, Balaji Mehtre, Jaydeep Tagad, Shrikant Tidake	**Department of Physics**	RSC advances	2022-23	2046-2069	DOI: 10.1039/D2RA07061H	3.9	3
90	Designing copper containing MgCo2O4 nanosheet ultra-stable network for high performance asymmetric supercapacitors	Deepa B Bailmare, Priti Mangrulkar, **Abhay D Deshmukh**	**Department of Physics**	Journal of Energy Sto	2022-23	2352-152X	https://doi.org/10.1016/j.est.2022.106445	9.4	2
91	Attractive electrodeposition for cobalt doped ZIF as active pseudocapacitive material	Satnamkaur S Mattu, Deepa B Bailmare, Kavita A Deshmukh, **Abhay D Deshmukh**	**Department of Physics**	Journal of Electroana	2022-23	1572-6657	https://doi.org/10.1016/j.jelechem.2023.117266	7.5	0
92	Study of Acoustic Behaviour of Thiamin Hydrochloride with Methanol at 303K	S. P. Dange **O. P. Chimankar**	**Department of Physics**	Jordan Journal of Phy	2022-23	1994-7607	https://doi.org/10.47011/15.1.6	0.389	0
93	Preliminary Archaeoacoustic Study of Kanheri Caves in Mumbai (Maharashtra, India)	Ajinkya S Umbarkar, Deoram V Nandanwar, **Omprakash P Chimankar**	**Department of Physics**	Sound & Vibration	2022-23	1541-0161	DOI: 10.32604/sv.2022.015322	4.7	3
94	Absorbing phase transition in a unidirectionally coupled layered network	Manoj C Warambhe, Ankosh D Deshmukh, **Prashant M Gade**	**Department of Physics**	Physical Review E	2022-23	2470-0045	https://doi.org/10.1103/PhysRevE.106.014303	2.4	0
95	Stability analysis of fixed point of fractional-order coupled map lattices	Sachin Bhalekar, **Prashant M Gade**	**Department of Physics**	Communications in Nonlinear Science and Numerical Simulation	2022-23	1007-5704	https://doi.org/10.1016/j.cnsns.2022.106587	3.7	4
96	The interpolation between random walk and self-avoiding walk by avoiding marked sites	Trupti R Sharma, G Rangarajan, **Prashant M Gade**	**Department of Physics**	Journal of Statistical Mechanics: Theory and Experiment	2022-23	1742-5468	10.1088/1742-5468/ac9bec	2.4	0
97	Controlling fractional difference equations using feedback	Divya D Joshi, Sachin Bhalekar, **Prashant M Gade**	**Department of Physics**	Chaos, Solitons & Fra	2022-23	0960-0779	https://doi.org/10.1016/j.chaos.2023.113401	7.8	4
98	Approach to zigzag and checkerboard patterns in spatially extended systems	Manoj C Warambhe, **Prashant M Gade**	**Department of Physics**	Chaos, Solitons & Fra	2022-23	0960-0779	https://doi.org/10.1016/j.chaos.2023.113510	7.8	0

99	Study of low-dimensional nonlinear fractional difference equations of complex order	Divya D Joshi, **Prashant M Gade**, Sachin Bhalekar	**Department of Physics**	Chaos: An Interdisciplinary Journal of Nonlinear Science	2022-23	10541500	https://doi.org/10.1063/5.0095939	2.9	6
100	Enhanced luminescence in co-doped LaCa4O (BO3) 3 phosphor: Photoluminescence, mechanoluminescence and thermoluminescence study	GC Mishra, Upendra K Verma, Ram Sevak Singh, **SJ Dhoble**	**Department of Physics**	Optik	2022-23	304026	https://doi.org/10.1016/j.ijleo.2022.169112	3.1	5
101	White light emission via Pb2+ to Dy3+ energy transfer mechanism in CaTiO3 phosphor	DR Taikar, **SJ Dhoble**	**Department of Physics**	Optik	2022-23	304026	https://doi.org/10.1016/j.ijleo.2022.169215	3.1	4
102	Color-tunable luminescence by energy transfer mechanism in RE (RE= Eu2+, Tb3+)–doped Na2SrPO4F phosphors	Yatish R Parauha, NS Shirbhate, **SJ Dhoble**	**Department of Physics**	Journal of Materials Science: Materials in Electronics	2022-23	0957-4522	https://doi.org/10.1007/s10854-022-08423-2	2.5	12
103	Synthesis and luminescence characterization of downconversion and downshifting phosphor for efficiency enhancement of solar cells: Perspectives and challenges	Nutan S Satpute, Chaitali M Mehare, Ashish Tiwari, Hendrik C Swart, **Sanjay J Dhoble**	**Department of Physics**	ACS Applied Electronic Materials	2022-23	2637-6113	https://doi.org/10.1021/acsaelm.2c00595	3.3	11
104	Luminescence investigation of Sm3+ activated CaAl2 (Sio4) 2Cl2 chlorapatite phosphor for solid state lighting applications	Sanket J Helode, Abhijeet R Kadam, **SJ Dhoble**	**Department of Physics**	Chemical Data Collec	2022-23	2405-8300	https://doi.org/10.1016/j.cdc.2022.100881	1.7	5
105	Synthesis and luminescence properties of Bi3+ activated Ba3WO5Cl2 phosphors for plant cultivation applications	Rahul V Tikale, Abhijeet R Kadam, **SJ Dhoble**	**Department of Physics**	Chemical Data Collec	2022-23	2405-8300	https://doi.org/10.1016/j.cdc.2022.100891	1.7	4
106	Luminescence study of Sm3+,Eu3+-doped Y2Zr2O7 host: optical investigation of greenish yellow to red colour tunable pyrochlore phosphor	Amit R Bansod, Abhijeet R Kadam, Prashant S Bokare, **Sanjay J Dhoble**	**Department of Physics**	Luminescence	2022-23	1522-7235	https://doi.org/10.1002/bio.4305	3.6	5
107	Development and advancement of undoped and doped zinc sulfide for phosphor application	Vikas Lahariya, **SJ Dhoble**	**Department of Physics**	Displays	2022-23	0141-9382	https://doi.org/10.1016/j.displa.2022.102186	4.3	14
108	Photoluminescence and thermoluminescence in Dy3+-, Ce3+-, and Tb3+-activated MgB4O7 phosphor for dosimetry application	Abha Oza, Vibha Ojha, Shrikrishna Dhale, **Sanjay Dhoble**	**Department of Physics**	Luminescence	2022-23	1522-7235	https://doi.org/10.1002/bio.4332	3.6	1
109	Quantification of 6D Inter-Fraction Tumour Localisation Errors in Tongue and Prostate Cancer Using Daily Kv-Cbct For 1000 IMRT and VMAT Treatment Fractions	Prashantkumar Shinde, Anand Jadhav, Karan Kumar Gupta, **Sanjay Dhoble**	**Department of Physics**	Radiation Protection Dosimetry	2022-23	0144-8420	https://doi.org/10.1093/rpd/ncac145	0.92	0
110	Improvement of self-activated luminescence properties of Ca2KZn2 (VO4) 3 down-conversion materials by SSR method based on co-doped Eu3+, Dy3+ rare earth ions concentrations	Chaitali M Mehare, Girish Mishra, NS Dhoble, **SJ Dhoble**	**Department of Physics**	Journal of Molecular Structure	2022-23	0022-2860	https://doi.org/10.1016/j.molstruc.2022.133250	3.8	8
111	Wet chemical synthesis of BiPO4:Eu3+ phosphor for w-LED application	Chandrahasya M Nandanwar, Atul N Yerpude, Namdeo S Kokode, **Sanjay J Dhoble**	**Department of Physics**	Luminescence	2022-23	1522-7235	https://doi.org/10.1002/bio.4340	3.6	9
112	Luminescence properties of MgCaAl10O17:RE3+ (RE3+ = Sm3+,Dy3+) phosphor for eco-friendly solid-state lighting applications	Atul N Yerpude, Dalesh M Parshuramkar, Vijay B Pawade, Namdeo S Kokode, **Sanjay J Dhoble**	**Department of Physics**	Luminescence	2022-23	1522-7235	https://doi.org/10.1002/bio.4346	3.6	8

113	Geometrical source modeling of 6MV flattening-filter-free (FFF) beam from TrueBeam linear accelerator and its commissioning validation using Monte Carlo simulation approach for	Ravindra Shende, **SJ Dhoble**, Gourav Gupta	**Department of Physics**	Radiation Physics and Chemistry	2022-23	0969-806X	https://doi.org/10.1016/j.radphyschem.2022.110339	2.9	4
114	Investigation of good dopant (Sm, Cu, Tb, Mn, Sb) for radiation dosimetry in the γ-excited GdCa4O(BO3)3phosphor: mechanoluminescence study	GC Mishra, Upendra K Verma, **SJ Dhoble**	**Department of Physics**	Radiation Effects and Defects in Solids	2022-23	1042-0150	https://doi.org/10.1080/10420150.2022.2116708	1	0
115	Ln3+ (Eu3+ and Dy3+) luminescence in Ca2SrAl2O6 phosphor for solid-state lighting	AN Yerpude, SK Ramteke, VB Pawade, NS Kokode, **SJ Dhoble**	**Department of Physics**	Bulletin of Materials Science	2022-23	0250-4707	https://doi.org/10.1007/s12034-022-02787-1	1.8	3
116	Enhancement of photoluminescence and tunable properties for Ce3+, Eu2+ activated Na2CaSiO4 downconversion phosphor: A novel approach towards spectral conversion	Yatish R Parauha, **SJ Dhoble**	**Department of Physics**	Journal of Luminesce	2022-23	0022-2313	https://doi.org/10.1016/j.jlumin.2022.119173	3.6	9
117	Combustion-assisted Ca8.25Na1.5Al6O18:Sm3+ phosphors for solid-state lighting and WLED applications	Toshi S Dhapodkar, Abhijeet R Kadam, **Sanjay J Dhoble**	**Department of Physics**	Luminescence	2022-23	1522-7235	https://doi.org/10.1002/bio.4371	3.6	1
118	Synthesis and upconversion properties of KAlF4: Yb3+/Er3+ phosphor for bioimaging application	KS Janbandhu, VB Pawade, **SJ Dhoble**, HC Swart	**Department of Physics**	Infrared Physics & Te	2022-23	1350-4495	https://doi.org/10.1016/j.infrared.2022.104328	3.3	5
119	Influence of rare earth ions on luminescent properties of self-emitting KCa2Mg2 (VO4) 3 phosphors for lighting application	Sonal P Tatte, Yatish Parauha, NS Dhoble, GC Mishra, **SJ Dhoble**	**Department of Physics**	Optik	2022-23	304026	https://doi.org/10.1016/j.ijleo.2022.169976	3.1	9
120	Tb3+-doped green emitting CaLaB7O13 phosphor: Luminescent properties under UV, and VUV excitation	Vijay Singh, Yatish R Parauha, **SJ Dhoble**, Ji Bong Joo	**Department of Physics**	Optik	2022-23	304026	https://doi.org/10.1016/j.ijleo.2022.169993	3.1	4
121	Photoluminescence properties of Eu3+-doped Na2CaSiO4 phosphor prepared by wet-chemical synthesis route	Yatish R Parauha, DK Halwar, **SJ Dhoble**	**Department of Physics**	Displays	2022-23	0141-9382	https://doi.org/10.1016/j.displa.2022.102304	4.3	8
122	Luminescence investigation of Sm3+,Eu2+-activated/co-activated Ba2AlB4O7Cl phosphors: novel red to blue colour tuning in chloroborates	Amit R Bansod, Abhijeet R Kadam, Prashant S Bokare, **Sanjay J Dhoble**	**Department of Physics**	Luminescence	2022-23	1522-7235	https://doi.org/10.1002/bio.4397	3.6	1
123	Evaluation of the dosimetric influence of interfractional 6D setup error in hypofractionated prostate cancer treated with IMRT and VMAT using daily kV-CBCT	Prashantkumar Shinde, Anand Jadhav, V Shankar, **SJ D**	**Department of Physics**	Journal of Medical Imaging and Radiation Sciences	2022-23	1939-8654	https://doi.org/10.1016/j.jmir.2022.09.026	1.8	1
124	Intense green UCL in KAlF4: Ho3+/Yb3+ nanoparticles for bioimaging applications	KS Janbandhu, VB Pawade, **SJ Dhoble**, DK Chaudhary	**Department of Physics**	Infrared Physics & Te	2022-23	1350-4495	https://doi.org/10.1016/j.infrared.2022.104425	3.3	2
125	Facile room-temperature colloidal synthesis of CsPbBr3 perovskite nanocrystals by the Emulsion-based ligand-assisted reprecipitation approach: Tuning the color-emission by the …	Govind B Nair, Sumedha Tamboli, RE Kroon, **SJ Dhoble**, Hendrik C Swart	**Department of Physics**	Journal of Alloys and Compounds	2022-23	0925-8388	https://doi.org/10.1016/j.jallcom.2022.167249	6.3	4
126	Synthesis and novel emission properties of Bi3+-doped Ca2BO3Cl phosphor for plant cultivation	Muhid S Khan, Manohar D Mehare, Yatish R Parauha, Shrikrishna A Dhale, **Sanjay J Dhoble**	**Department of Physics**	Luminescence	2022-23	1522-7235	https://doi.org/10.1002/bio.4418	3.6	5
127	Optical transitions and radiative properties of green emitting Ho 3+: YVO 4 phosphor	Vijay Singh, M Seshadri, Deepak Taikar, **SJ Dhoble**, RS Yadav	**Department of Physics**	RSC advances	2022-23	2046-2069	10.1039/D2RA06287A	3.9	0
128	Assessment of dosimetric impact of interfractional 6D setup error in tongue cancer treated with IMRT and VMAT using daily kV-CBCT	Prashantkumar Shinde, Anand Jadhav, V Shankar, **Sanjay J Dhoble**	**Department of Physics**	Reports of Practical Oncology and Radiotherapy	2022-23	1507-1367	10.5603/RPOR.a2023.0020	1.2	1

129	Combustion synthesis of KZnPO4: RE (RE= Dy3+ and Sm3+) Phosphors for n-UV based w-LEDs	Chandrahasya M Nandanwar, Namdeo S Kokode, Atul N Yerpude, **Sanjay J Dhoble**	**Department of Physics**	The European Physical Journal Applied Physics	2022-23	1286-0042	https://doi.org/10.1051/epjap/2023230073	1	10
130	Review on long afterglow nanophosphors, their mechanism and its application in round-the-clock working photocatalysis	Bidwai, Dipti Kumar Sahu, Niroj **Dhoble S.J** Mahajan, Ashutosh Haranath D Swati G.	**Department of Physics**	Methods and Applications in Fluorescence	2022-23	20506120	10.1088/2050-6120/ac6b87	3	9
131	Opto electronic filter effectiveness by influx of macro, thin film and nano scalings stress analysis of trapezoidal and spiral coated device characterizations of Eu2+ doped	J Fernando, P Padmavathi, K Senthil Kannan, AR Kadam, S Dhoble, ...	**Department of Physics**	AIP Conference Proceedings	2022-23	0094243X	10.1063/5.0108315	14826	1
132	Thermoluminescence properties of Er-doped borophosphate glass for beta radiation	MS Al-Kotb, M El-Kinawy, N El-Faramawy, DK Halwar, V Chopra	**Department of Physics**	Radiation Effects and Defects in Solids	2022-23	10420150	10.1080/10420150.2022.2148249	1	1
133	Charge Transfer in Rare-Earth-Doped Inorganic Materials	Amol Nande, Swati Raut, **SJ Dhoble**	**Department of Physics**	Progress in Optical Science and Photonics	2022-23	23635096	10.1007/978-981-99-4145-2_2	0	0
134	Photoluminescence properties of Ca2Al2O5: Sm3+ down conversion phosphor for eco-friendly solid state lighting applications	VR Panse, Samirkumar R Bhelave, AN Yerpude, Antomi Saregar, **SJ Dhoble**	**Department of Physics**	AIP Conference Proceedings	2022-23	9728821	10.1007/s12596-023-01391-8	14826	3
135	Wavelength tuning from Cadmium based 8-HQ luminous paints formulated with contrasting resins	Vyankatesh Rajhans, N Thejo Kalyani, Ritesh Raikundliya, SJ Dhoble	**Department of Physics**	Optik	2022-23	304026	https://doi.org/10.1016/j.ijleo.2022.170211	3.1	1
136	Effect of dopant concentration on luminescence properties of Ba3 (PO4) 2: RE (RE= Sm3+, Eu3+, Dy3+) phosphor for solid-state lighting	CM Nandanwar, NS Kokode, AN Yerpude, **SJ Dhoble**	**Department of Physics**	Chemical Data Collections	2022-23	2405-8300	https://doi.org/10.1016/j.cdc.2022.100979	1.7	27
137	High color purity and color tunability in Sm3+/Eu3+ activated/co-activated Sr6Ca4 (PO4) 6F2 phosphor for WLED and display devices application	Sadaf Gauhar M Mushtaque, Abhijeet R Kadam, **SJ Dh**	**Department of Physics**	Journal of Molecular	2022-23	0022-2860	https://doi.org/10.1016/j.molstruc.2022.134510	3.8	
138	Recent development in color tunable phosphors: A review	MD Mehare, Chaitali M Mehare, HC Swart, **SJ Dhoble**	**Department of Physics**	Progress in Materials	2022-23	0079-6425	https://doi.org/10.1016/j.pmatsci.2022.101067	48.165	57
139	Luminescence properties of LaPO4:RE (RE = Dy3+, Eu3+, Sm3+) orthophosphate phosphor for n-UV solid-state lighting prepared by wet chemical synthesis	CM Nandanwar, NS Kokode, AN Yerpude, **SJ Dhoble**	**Department of Physics**	Journal of Materials	2022-23	0957-4522	https://doi.org/10.1007/s10854-023-10119-0	2.5	27
140	Luminescence properties of BiPO4:Ln (Ln = Dy3+, Tb3+ and Sm3+) orthophosphate phosphors for near-UV-based solid-state lighting	CM Nandanwar, NS Kokode, AN Yerpude, **SJ Dhoble**	**Department of Physics**	Bulletin of Materials	2022-23	0250-4707	https://doi.org/10.1007/s12034-023-02900-y	1.8	32
141	Intensity enhancement of photoluminescence in Tb3+/Eu3+ co-doped Ca14Zn6Al10O35 phosphor for WLEDs	Samirkumar R Bhelave, Abhijeet R Kadam, Atul N Yerpude, **Sanjay J Dhoble**	**Department of Physics**	Luminescence	2022-23	1522-7235	https://doi.org/10.1002/bio.4456	3.6	8
142	Evaluation of accuracy and intrinsic uncertainty of automated image registration for a 6D kV-CBCT image guidance system: a concurrent analysis with a machine performance check	Prashantkumar Shinde, Anand Jadhav, Vangipuram Shankar, Karan Kumar Gupta, **Sanjay J Dhoble**	**Department of Physics**	Radiation Protection Dosimetry	2022-23	0144-8420	https://doi.org/10.1093/rpd/ncad067	0.92	0
143	Study the photoluminescence properties of Ca4Al14O25: Dy3+ phosphor for solid state lighting	Samir R Bhelave, AN Yerpude, VR Panse, Antomi Saregar, **SJ Dhoble**	**Department of Physics**	AIP Conference Proceedings	2022-23	0094243X	https://doi.org/10.1063/5.0123776	14826	3
144	Spectroscopic investigation of KBa2 (PO3) 5: Mn4+ activated glasses for plant cultivation applications	Prashant N Parale, Abhijeet R Kadam, KV Dabre, **SJ Dhoble**	**Department of Physics**	Materials Letters: X	2022-23	2590-1508	https://doi.org/10.1016/j.mlblux.2023.100191	1.7	2

145	Synthesis and Photoluminescence characteristics of Ba2Ca (PO4) 4: Dy3+ phosphors for n-UV based solid-state lighting	AN Yerpude, CM Nandanwar, RL Kohale, NS Kokode, **SJ Dhoble**	**Department of Physics**	Materials Letters: X	2022-23	2590-1508	https://doi.org/10.1016/j.mlblux.2023.100196	1.7	11
146	Photoluminescence and thermoluminescence study of Ca1. 02Sr1. 98Al2O6: Dy phosphor synthesized by combustion method	Sonal P Tatte, Yatish R Parauha, NS Dhoble, GC Mishra, **SJ Dhoble**	**Department of Physics**	Materials Letters: X	2022-23	2590-1508	https://doi.org/10.1016/j.mlblux.2023.100203	1.7	0
147	Synthesis and photoluminescence study of KCaPO4: Eu3+ phosphors for solid state lighting	CM Nandanwar, NS Kokode, AN Yerpude, **SJ Dhoble**	**Department of Physics**	Materials Letters: X	2022-23	2590-1508	https://doi.org/10.1016/j.mlblux.2023.100202	1.7	17
148	Photon upconversion luminescence in Ho3+/Yb3+ doped Sr2YF7 nanophosphors synthesized by wet chemical method	Kapil S Janbandhu, VB Pawade, **SJ Dhoble**	**Department of Physics**	Materials Letters	2022-23	0167-577X	https://doi.org/10.1016/j.matlet.2023.134246	1.7	1
149	Synthesis and luminescence properties of Dy3+ ions doped KMgPO4 phosphor for eco-friendly solid-state lighting	DM Parshuramkar, AN Yerpude, SK Ramteke, CM Nandanwar, **SJ Dhoble**	**Department of Physics**	Bulletin of Materials	2022-23	0250-4707	https://doi.org/10.1007/s12034-023-02976-6	1.8	9
150	Synthesis and luminescence properties of Eu3+-activated Mg3 (PO4) 2 phosphors and substitution of phosphate with Molybdate, Tungstate and Sulphate	Dheeraj J Dhiman, Yatish Ratn Parauha, Ashish B Chourasia, **SJ Dhoble**	**Department of Physics**	Research Square	2022-23	2693-5015	https://doi.org/10.21203/rs.3.rs-3095044/v1	0	0
151	Optical properties of RE (RE = Eu3+, Dy3+, Sm3+, Ce3+)-doped BaSr2(PO4)2 phosphor	SGM Mushtaque, VB Pawade, **SJ Dhoble**	**Department of Physics**	Indian Journal of Physics	2022-23	0973-1458	https://doi.org/10.1007/s12648-022-02578-8	2	1
152	Gadolinium oxide single crystals: Optical properties and radiation resistance	VA Pustovarov, RE Nikolaev, VA Trifonov, MS Tarasenko, **SJ Dhoble**, DA Tavrunov, NG Naumov	**Department of Physics**	Optical Materials	2022-23	0925-3467	https://doi.org/10.1016/j.optmat.2023.113966	3.9	2
153	Combustion synthesized novel SrAlBO4: Eu3+ phosphor: structural, luminescence, and Judd-Ofelt analysis	RT Maske, AN Yerpude, RS Wandhare, Amol Nande, **SJ Dhoble**	**Department of Physics**	Optical Materials	2022-23	0925-3467	https://doi.org/10.1016/j.optmat.2023.113893	3.9	20
154	Effect of alkali metal ions A+ (A= K+, Na+ and Li+) on the photoluminescence properties of Sr3Bi (PO4) 3: Sm3+ phosphors prepared by wet chemical synthesis	CM Nandanwar, AN Yerpude, NS Kokode, **SJ Dhoble**	**Department of Physics**	Results in Optics	2022-23	2666-9501	https://doi.org/10.1016/j.rio.2023.100456	2.12	13
155	Effect of charge compensators A+ (A+ = Li, Na and K) on photoluminescence properties of Ba2Ca(PO4)2:Eu3+ phosphor for solid state lighting	CM Nandanwar, AN Yerpude, NS Kokode, **SJ Dhoble**	**Department of Physics**	Journal of Materials Science: Materials in Electronics	2022-23	0957-4522	https://doi.org/10.1007/s10854-023-10889-7	2.5	7
156	Development of colour tunable phosphor via rare earth doping in eulytite type Ba3Bi2(PO4)4 host material	Amruta Gaikwad, Yatish R Parauha, **SJ Dhoble**, KV Dabre	**Department of Physics**	Journal of Materials Science: Materials in Electronics	2022-23	0957-4522	https://doi.org/10.1007/s10854-023-10880-2	2.5	2
157	Dosimetric Evaluation of Radiation Treatment Planning for Simultaneous Integrated Boost Technique Using Monte Carlo Simulation	Ravindra Shende, **SJ Dhoble**, Gourav Gupta	**Department of Physics**	Journal of Medical Ph	2022-23	0971-6203	10.4103/jmp.jmp_4_23	4.5	0
158	Luminescence Thermometry Based on the Upconversion Luminescence from the Stark Sublevels of BaY2F8:Yb3+, Tm3+ Phosphor	Ashwini K Sharma, Govind B Nair, **SJ Dhoble**, Robin E Kroon, JJ Terblans, HC Swart	**Department of Physics**	Journal of Fluorescer	2022-23	1053-0509	https://doi.org/10.1007/s10895-023-03295-z	2.7	1
159	Blue-light pumped NIR emission of LaOF: Pr3+ nanorods for highly sensitive nanothermometry	Sumedha Tamboli, Govind B Nair, Zhiguo Xia, **SJ Dhoble**, HC Swart	**Department of Physics**	Ceramics Internation	2022-23	0272-8842	https://doi.org/10.1016/j.ceramint.2023.04.192	5.2	6
160	Nanofibers of Palladium (Pd)-sensitized SnO2 Encapsulated with Polyaniline for Effective Hydrogen Gas Sensing	AM More, **SB Kondawar**, SP Dongre	**Department of Physics**	Jordan Journal of Phy	2022-23	1994-7607	https://doi.org/10.47011/15.1.1	0.389	0

161	Influence of La3+ co-doping on the photoluminescence properties of YAG: Dy3+ electrospun light emitting nanofibers	Khushbu A Rathi, Tejaswini A Rathi, Sanchit S Kondawar, Sanjay R Dhakate, **Subhash B Kondawar**	**Department of Physics**	Results in Optics	2022-23	2666-9501	https://doi.org/10.1016/j.rio.2023.100492	2.12	0
162	Facile fabrication of novel europium doped strontium yttrate (SrY2O4: Eu3+) electrospun nanofibers for flexible display applications	Mahelaqua A Haque, Mahejabeen Azizul Haque, **Subhash B Kondawar**	**Department of Physics**	Materials Today Communications	2022-23	23524928	https://doi.org/10.1016/j.mtcomm.2022.104950	3.8	3
163	Facile fabrication of novel europium doped strontium yttrate (SrY2O4: Eu3+) electrospun nanofibers for flexible display applications	Mahelaqua A Haque, Mahejabeen Azizul Haque, **Subhash B Kondawar**	**Department of Physics**	Materials Today Com	2022-23	2352-4928	https://doi.org/10.1016/j.mtcomm.2022.104950	3.8	3
164	Effect of graphene on electrochemical performance of carbon nanofibers synthesized by electrospinning	DV Jamkar, HV Ganvir, R Mahajan, **SB Kondawar**, P Kumar	**Department of Physics**	2022 International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS)	2022-23	978-166546112-2	10.1109/ICETEMS56252.2022.10093529	0	0
165	CuO/ZnO/Ni2O3 Ternary Nanocomposite Encapsulated BaTiO3/PVDF for High Energy Storage Density	Gitanjali Tabhane, Sushama M Giripunje, **SB Kondawar**	**Department of Physics**	2022 International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS)	2022-23	978-166546112-2	10.1109/ICECCME55909.2022.9988262	0	1
166	Temperature-Dependent Delocalization of Oxygen Vacancies in La-Substituted CeO2	Minal Gupta, Shraddha C Shirbhate, Omkar V Rambadey, **Smita A Acharya**, Pankaj R Sagdeo	**Department of Physics**	ACS Applied Energy	2022-23	2574-0962	https://doi.org/10.1021/acsaem.2c01442	6.4	16
167	Probing the Signature of Disordering and Delocalization of Oxygen Vacancies and Anti-site Defects in Doped LaAlO3 Solid Electrolytes	Minal Gupta, Omkar V Rambadey, Shraddha C Shirbhate, **Smita Acharya**, Archna Sagdeo, Pankaj R Sagdeo	**Department of Physics**	The Journal of Physical Chemistry C	2022-23	1932-7447	https://doi.org/10.1021/acs.jpcc.2c06473	3.7	3
168	Modification of Structural and Dielectric Properties of SmFeO3 Orthoferrites System by Ce Doping	Uma Gaikwad, **Smita Acharya**, Shraddha Shirbhate, Chitra Khade	**Department of Physics**	Integrated Ferroelect	2022-23	10584587	10.1080/10584587.2023.2239098	0.7	0
169	Polarization induced ferroelectric and magnetic ordering in double-perovskite-based flexible 0–3 composite	Vishwajit M. Gaikwad, Bibhuti B. Dash, Prasanta Kumar Sahoo, S. C. Shirbhate, Durga Prasad Pabba, **S. A. Acharya**, A. B. Lad, Ajaya Kumar Nayak, Mangalaraja Ramalinga Viswanathan, and Radhamanohar Aepuru	**Department of Physics**	J Mater Sci: Mater El	2022-23	9574522	10.1007/s10854-023-10058-w	2.8	2