3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years (15)

3.4.5.1: Number of research papers in the Journals notified on UGC website during the last five years

Title of the Paper	Name of Author	Department of the teacher	Name of journal	Year of publication	ISSN Number	Link to the recognition in UGC enlistment of the Journal		
						Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC-CARE list/Scopus/Web of Science/Other, mention
Taxonomic profiling of bacterial community structure from coastal sediment of Alang–Sosiya shipbreaking yard near Bhavnagar, India	Vilas Patel, Hitendra Munot, Varun Shah, Yogesh S Shouche, Datta Madamwar	Department of BioScience	Marine pollution bulletin	2016	0025-326X	https://www.sciencedirect.com/journal/marine-pollution-bulletin	https://www.sciencedirect.com/science/article/abs/pii/S0025326X15300771	Scopus
Exploring bioremediation strategies to enhance the mineralization of textile industrial wastewater through sequential anaerobic-microaerophilic process	Kshama Balapure, Kunal Jain, Nikhil Bhatt, Datta Madamwar	Department of BioScience	International Biodeterioration & Biodegradation	2016	0964-8305	https://www.sciencedirect.com/journal/international-biodeterioration-and-biodegradation	https://www.sciencedirect.com/science/article/abs/pii/S0964830515301074	Scopus
Crystal structure analysis of phycocyanin from chromatically adapted Phormidium rubidum A09DM	Gagan Deep Gupta, Ravi R Sonani, Mahima Sharma, Krishna Patel, Rajesh P Rastogi, Datta Madamwar, Vinay Kumar	Department of BioScience	RSC advances	2016	2046-2069	https://pubs.rsc.org/en/journals/journalissues/ra#!issueid=ra012037&type=current&issnonline=2046-2069	https://pubs.rsc.org/en/content/articlelanding/2016/ra/c6ra12493c/unauth	Scopus
Cyanobacteria Synthesize their own UV-Sunscreens for Photoprotection	Rajesh Prasad Rastogi and Datta Madamwar	Department of BioScience	Bioenergetics: Open Access	2016	:2167-7662		https://www.researchgate.net/profile/Rajesh-Rastogi/publication/312258570_Cyanobacteria_Synthesize_their_own_UV-Sunscreens_for_Photoprotection/links/5939450aaca272bcd1b21990/Cyanobacteria-Synthesize-their-own-UV-Sunscreens-for-Photoprotection.pdf	
Recent advances in production, purification and applications of phycobiliproteins	Ravi Raghav Sonani, Rajesh Prasad Rastogi, Rutvij Patel, Datta Madamwar	Department of BioScience	World journal of biological chemistry	2016	1949-8454	https://www.ncbi.nlm.nih.gov/pmc/journals/1495/	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4768114/	
Draft Genome Sequence of Paenibacillus sp. Strain DMB5, Acclimatized and Enriched for Catabolizing Anthropogenic Compounds	Jenny Johnson, Binal Shah, Kunal Jain, Nidhi Parmar, Ankit Hinsu, Namrata Patel, Chaitanya G Joshi, Datta Madamwar	Department of BioScience	Genome announcements	2016	2576-098X	https://journals.asm.org/loi/mra	https://journals.asm.org/doi/full/10.1128/genomeA.00211-16	Scopus
Zinc Oxide Nanoparticles Supported Lipase Immobilization for Biotransformation in Organic Solvents: A Facile Synthesis of Geranyl Acetate, Effect of Operative Variables and Kinetic Study	Patel V., Shah C., Madamwar D.	Department of BioScience	Applied Biochemistry and Biotechnology	2016	2732289	https://www.springer.com/journal/12010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84953374674&doi=10.1007%2fs12010-015-1972-9&partnerID=40&md5=d59a7cf8b551827183414ddf37666e33	Scopus
Probing pH sensitivity of αC-phycoerythrin and its natural truncant: A comparative study	Khalid Anwer, Safikur Rahman, Ravi R Sonani, Faez Iqbal Khan, Asimul Islam, Datta Madamwar, Faizan Ahmad, Md Imtaiyaz Hassan	Department of BioScience	International journal of biological macromolecules	2016	0141-8130	sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.sciencedirect.com/science/article/abs/pii/S0141813016300484	Scopus
Characterization and antioxidant functions of mycosporine-like amino acids in the cyanobacterium Nostoc sp. R76DM	Rajesh P Rastogi, Ravi R Sonani, Datta Madamwar, Aran Incharoensakdi	Department of BioScience	Algal Research	2016	2211-9264	https://www.sciencedirect.com/journal/algal-research	https://www.sciencedirect.com/science/article/abs/pii/S2211926416300819	Scopus

An efficient and cost-effective method for DNA extraction from athalassohaline soil using a newly formulated cell extraction buffer	Narayan A., Jain K., Shah A.R., Madamwar D.	Department of BioScience	3 Biotech	2016	2190572X	https://www.springer.com/journal/13205	https://www.ncbi.nlm.nih.gov/pmc/journals/1811/	Scopus
Kinetic modeling and community dynamics of microaerophilic treatment of textile dyes containing effluent by consortium VIE6	Binal Shah, Ami Patel, Datta Madamwar	Department of BioScience	Environmental Processes	2016	2198-7491	https://www.springer.com/journal/40710	https://link.springer.com/article/10.1007/s40710-016-0156-0	Scopus
Treatment of common effluent treatment plant wastewater in a sequential anoxic-oxic batch reactor by developed bacterial consortium VN11.	Chattaraj Sananda, HJ Purohit, Sharma Abhinav, NB Jadeja, Madamwar Datta	Department of BioScience	Applied Biochemistry and Biotechnology	2016	0273-2289	https://www.springer.com/journal/12010	https://www.cabdirect.org/cabdirect/abstract/20163250462	Scopus
Crystal structure analysis of C-phycoerythrin from marine cyanobacterium Phormidium sp. A09DM	Vinay Kumar, Ravi R Sonani, Mahima Sharma, Gagan D Gupta, Datta Madamwar	Department of BioScience	Photosynthesis research	2016	0166-8595	https://www.springer.com/journal/11120	https://link.springer.com/article/10.1007/s11120-016-0259-5	Scopus
Phycocyanin moderates aging and proteotoxicity in Caenorhabditis elegans	Niraj K Singh, Ravi R Sonani, Anjali Awasthi, Birendra Prasad, Anjali R Patel, Jitendra Kumar, Datta Madamwar	Department of BioScience	Journal of Applied Phycology	2016	0921-8971	https://www.springer.com/journal/10811	https://link.springer.com/article/10.1007/s10811-015-0772-5	Scopus
Biotransformation of mixture of dyes by enriched bacterial consortium ASD	Sananda Chattaraj, Jenny Johnson, Datta Madamwar	Department of BioScience	Desalination and Water treatment	2016	1944-3986	https://www.tandfonline.com/journals/tdwt20	https://www.tandfonline.com/doi/abs/10.1080/19443994.2015.1124345	Scopus
Microaerophilic symmetric reductive cleavage of reactive Azo Dye—remazole brilliant violet 5R by Consortium VIE6: community synergism	Binal Shah, Kunal Jain, Hardik Jiyani, Venkata Mohan, Datta Madamwar	Department of BioScience	Applied biochemistry and biotechnology	2016	0273-2289	https://www.springer.com/journal/12010	https://link.springer.com/article/10.1007/s12010-016-2150-4	Scopus
Response and resilience of soil microbial communities inhabiting in edible oil stress/contamination from industrial estates	Patel V., Lal R., Madamwar D.	Department of BioScience	BMC Microbiology	2016	14712180	https://bmcmicrobiol.biomedcentral.com/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84962430654&doi=10.1186%2fs12866-016-0669-8&partnerID=40&md5=005d20ffa159b1ffac69ea7c0a2fef45	Scopus
Micropropagation of Crataeva L. species	Kher M.M., Nataraj M.,	Department of Bioscience	Rendiconti Lincei	2016	20374631	https://www.springer.com/journal/12210	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84971445051&doi=10.1007%2fs12210-015-0478-2&partnerID=40&md5=6ffe4a5b9f216638802a4d27e21ce0e2	Scopus
Micropropagation of Clerodendrum L. species: a review	Nataraj M., Kher M.M.,	Department of Bioscience	Rendiconti Lincei	2016	20374631	https://www.springer.com/journal/12210	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946811387&doi=10.1007%2fs12210-015-0484-4&partnerID=40&md5=c4837afafe8a7edfff274a68cbb5e8b3	Scopus
Sandalwood: basic biology, tissue culture, and genetic transformation	Jaime A Teixeira da Silva, Mafatlal M Kher, Deepak Soner, Tony Page, Xinhua Zhang, M Nataraj, Guohua Ma	Department of Bioscience	Planta	2016	1432-2048	https://www.springer.com/journal/425	https://link.springer.com/article/10.1007/s00425-015-2452-8	Scopus
Micropropagation of Clerodendrum phlomidis LF	Mafatlal M Kher, Deepak Soner, Neha Srivastava, Murugan Nataraj, Jaime A Teixeira da Silva	Department of Bioscience	Journal of Horticultural Research	2016	2353-3978	https://sciendo.com/journal/JOHR	https://sciendo.com/abstract/journals/johr/24/1/article-p21.xml	

In vitro shoot multiplication of withania coagulans (Stocks) dunal	Joshi H., Nekkala S., Soner D., Kher M.M., Nataraj M.	Department of Bioscience	Plant Tissue Culture and Biotechnology	2016	18173721	https://www.banglajol.info/index.php/PTCB/about	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85006097366&doi=10.3329%2fptcb.v26i2.30569&partnerID=40&md5=be152d69233b5d82e4e4f2b23fb4bfa2	Scopus
Study of biosurfactant producing bacteria and preliminary characterization of biosurfactant produced by Bacillus species isolated from petroleum contaminated soil	Dhaval Patel, M. Nataraj	Department of Bioscience	Journal of Microbiology, Biotechnology and Food Sciences	2016	1338-5178	https://www.jmbfs.org/	http://www.jmbfs.org/jmbfs-0791-patel/?issue_id=4295&article_id=14	
Sandalwood spike disease: a brief synthesis.	JAT Da Silva, MM Kher, D Soner, M Nataraj	Department of Bioscience	Environmental and Experimental Biology	2016	2255-9582	http://eeb.lu.lv/	https://www.cabdirect.org/cabdirect/abstract/20173050873	
Phytostimulatory effect of indole-3-acetic acid by Enterobacter cloacae SN19 isolated from Teramnus labialis (L. f.) Spreng rhizosphere	Bose A., Kher M., Nataraj M., Keharia H.	Department of BioScience	Biocatalysis and Agricultural Biotechnology	2016	18788181	https://www.journals.elsevier.com/biocatalysis-and-agricultural-biotechnology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961245706&doi=10.1016%2fj.bcab.2016.03.005&partnerID=40&md5=e445c0c91dd3d305002aa1f8a1b2d0ba	Scopus
African Sandalwood or Nepalese Sandalwood: a Brief Synthesis	Jaime A Teixeira da Silva, Mafatlal M Kher, Deepak Soner, M Nataraj	Department of Bioscience	Notulae Scientia Biologicae	2016	2067-3264	https://www.notulaebiologicae.ro/index.php/nsb	https://www.notulaebiologicae.ro/index.php/nsb/article/view/9714	
Biotechnological advances in Vitex species, and future perspectives	Jaime A Teixeira da Silva, Mafatlal M Kher, M Nataraj	Department of Bioscience	Journal of Genetic Engineering and Biotechnology	2016				
Extraction and purification of phytol from Abutilon indicum: cytotoxic and apoptotic activity	Parth Thakor, Japan B Mehta, Ravi R Patel, Disha D Patel, Ramalingam B Subramanian, Vasudev R Thakkar	Department of BioScience	RSC advances	2016	2046-2069	https://pubs.rsc.org/en/journals/journalissues/ra#!issueid=ra012037&type=current&issnonline=2046-2069	https://pubs.rsc.org/en/content/articlelanding/2016/ra/c5ra24464a/unauth	Scopus
Prevention of collar rot disease in germinating peanut seedlings by Azotobacter sp. RA2	Ravikumar R Parel, Vasudev R Thakkar, Khevna Bhatt, Maitry R Prajapati, Ramalingam B Subramanian	Department of BioScience	The FASEB Journal-Biochemistry & Molecular Biology Journal	2016	2471-8084	https://www.primescholars.com/biochemistry-and-molecular-biology.html	https://faseb.onlinelibrary.wiley.com/doi/abs/10.1096/fasebj.30.1_supplement.1143.1	Scopus
Enhanced catalysis of L-asparaginase from Bacillus licheniformis by a rational redesign	Ankit P Sudhir, Viplove V Agarwaal, Bhaumik R Dave, Darshan H Patel, RB Subramanian	Department of BioScience	Enzyme and Microbial Technology	2016	0141-0229	https://www.sciencedirect.com/journal/enzyme-and-microbial-technology	https://www.sciencedirect.com/science/article/abs/pii/S0141022915300818	Scopus
Simultaneous Detection and Quantification of Phytohormones by a Sensitive Method of Separation in Culture of Pseudomonas sp.	Patel R.R., Thakkar V.R., Subramanian R.B.	Department of BioScience	Current Microbiology	2016	3438651	https://www.springer.com/journal/284	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84959172881&doi=10.1007%2fs00284-016-1012-1&partnerID=40&md5=9ad4687e968af82d8d1fbd70251511b1	Scopus
Rhizobacteria enhance oil content and physiological status of Hyptis suaveolens under salinity stress	Yachana Jha, RB Subramanian	Department of BioScience	Rhizosphere	2016	2452-2198	https://www.sciencedirect.com/journal/rhizosphere	https://www.sciencedirect.com/science/article/abs/pii/S2452219816300234	Scopus
Screening and selection of medium components for cyclodextrin glucanotransferase production by new alkaliphile Microbacterium terrae KNR 9 using plackett-burman design	Kiransinh N Rajput, Kamlesh C Patel, Ujjval B Trivedi	Department of Bioscience	Biotechnology Research International	2016		https://www.hindawi.com/journals/btri/	https://downloads.hindawi.com/archive/2016/358484807.pdf	

β-cyclodextrin production by cyclodextrin glucanotransferase from an alkaliphile Microbacterium terrae KNR 9 using different starch substrates	Kiransinh N Rajput, Kamlesh C Patel, Ujjval B Trivedi	Department of Bioscience	Biotechnology Research International	2016		https://www.hindawi.com/journals/btri/	https://downloads.hindawi.com/archive/2016/2034359.pdf	
Optimization and characterization of PHA from isolate Pannonibacter phragmitetus ERC8 using glycerol waste	Ray S., Prajapati V., Patel K., Trivedi U.	Department of Bioscience	International Journal of Biological Macromolecules	2016	1418130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84957837672&doi=10.1016%2fj.ijbiomac.2016.02.002&partnerID=40&md5=befd8f4a7d36ce0ba47509013e5b6209	Scopus
A novel cyclodextrin glucanotransferase from an alkaliphile Microbacterium terrae KNR 9: purification and properties	Kiransinh N Rajput, Kamlesh C Patel, Ujjval B Trivedi	Department of Bioscience	3 Biotech	2016	2190-5738	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-016-0495-6	
Composite coating of alginate-olive oil enriched with antioxidants enhances postharvest quality and shelf life of Ber fruit (Ziziphus mauritiana Lamk. Var. Gola)	Ramana Rao T.V., Baraiya N.S., Vyas P.B., Patel D.M.	Department of Bioscience	Journal of Food Science and Technology	2016	221155	https://www.springer.com/journal/13197	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84954360729&doi=10.1007%2fs13197-015-2045-3&partnerID=40&md5=7d53411b237e6621bd4226aacea5a894	Scopus
Composite coating as a carrier of antioxidants improves the postharvest shelf life and quality of table grapes (Vitis vinifera l. var. Thompson seedless)	Baraiya N.S., Ramana Rao T.V., Thakkar V.R.	Department of Bioscience	Journal of Agricultural Science and Technology	2016	16807073	https://jast.modares.ac.ir/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84953387068&partnerID=40&md5=b1b5da936bd370c3ab293bff3eec4495	Scopus
RSM-Based Optimization of Edible-Coating Formulations for Preserving Post-Harvest Quality and Enhancing Storability of Phalsa (Grewia asiatica L.)	Rudri Dave, TV Ramana Rao, AS Nandane	Department of Bioscience		2016	1745-4549	https://ifst.onlinelibrary.wiley.com/journal/17454549	https://ifst.onlinelibrary.wiley.com/doi/abs/10.1111/jfpp.12630	Scopus
Biological assessment of substituted quinoline based heteroleptic organometallic compounds	Jugal V Mehta, Sanjay B Gajera, Dilip B Raval, Vasudev R Thakkar, Mohan N Patel	Department of Bioscience	MedChemComm	2016	2632-8682	https://pubs.rsc.org/en/journals/journalissues/md#!issueid=md010012&type=archive&issnprint=2040-2503	https://pubs.rsc.org/en/content/articlelanding/2016/md/c6md00251j/unauth	
Half-sandwich iridium III complexes with pyrazole-substituted heterocyclic frameworks and their biological applications	Sanjay B Gajera, Jugal V Mehta, Parth Thakor, Vasudev R Thakkar, Piyushkumar C Chudasama, Jagdish S Patel, Mohan N Patel	Department of Bioscience	New Journal of Chemistry	2016	1369-9261	https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&adv	https://pubs.rsc.org/en/content/articlelanding/2016/nj/c6nj02153k/unauth	
Novel morpholinoquinoline nucleus clubbed with pyrazoline scaffolds: Synthesis, antibacterial, antitubercular and antimalarial activities	Sharad C Karad, Vishal B Purohit, Parth Thakor, Vasudev R Thakkar, Dipak K Raval	Department of Bioscience	European journal of medicinal chemistry	2016	0223-5234	https://www.sciencedirect.com/journal/european-journal-of-medicinal-chemistry	https://www.sciencedirect.com/science/article/abs/pii/S0223523416300861	Scopus
Chemical elicitors improve the shelf life of phalsa (Grewia asiatica L.) by inducing antioxidants and controlling microbes	Vyas P.B., Rao Tadapaneni V.R., Thakkar V.R.	Department of Bioscience	Fruits	2016	2481294	https://www.ishs.org/fruits	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84984871048&doi=10.1051%2ffruits%2f2016018&partnerID=40&md5=47ee9b6781cb713ac7cc046a26eb3d70	Scopus
Bacillus species (BT42) isolated from Coffea arabica L. rhizosphere antagonizes Colletotrichum gloeosporioides and Fusarium oxysporum and also exhibits multiple plant growth promoting activity	Tekalign Kejela, Vasudev R Thakkar, Parth Thakor	Department of Bioscience	BMC microbiology	2016	1471-2180	https://bmcmicrobiol.biomedcentral.com/	https://link.springer.com/article/10.1186/s12866-016-0897-y	

Isolation and characterization of arsenic tolerent marine bacteria from south Gujarat coast near vapi, India	Devang KhambholjaKiran Kalia	Department of Bioscience	Journal of Cell & Tissue Research	2016	-	https://tcrjournals.com/tr_pastabstract.php?vid=63	https://www.researchgate.net/publication/344646271_ISOLATION_AND_CHARACTERIZATION_OF_ARSENIC_TOLERENT_MARINE_BACTERIA_FROM_SOUTH_GUJARAT_COAST_NEAR_VAPI_INDIA	
Corn steep liquor with lysine and chelated minerals as supplementary feed for Labeo rohita fingerlings	SM Sukhanandi, SS Bhatt	Department of Bioscience	International Journal of Fisheries and Aquatic Studies	2016	2347-5129	https://www.fisheriesjournal.com/	https://www.fisheriesjournal.com/archives/2016/vol4issue3/PartC/4-2-36.pdf	
2017	**2017**	**2017**	**2017**	**2017**	**2017**	**2017**	**2017**	**2017**
An Insight into the Microbial Community Structure of White Rann of Kachchh: A Study towards Functional Aspects and Taxonomic Profiling	Prachi Singh, Vrutika Patel and Datta Madamwar	Department of Bioscience	Canadian Journal of Biotechnology	2017	2560-8304		file:///C:/Users/PGB/Downloads/An_Insight_into_the_Microbial_Community_Structure_.pdf	
Phycoerythrin averts intracellular ROS generation and physiological functional decline in eukaryotes under oxidative stress	Sonani R.R., Rastogi R.P., Madamwar D.	Department of Bioscience	Protoplasma	2017	0033183X	https://www.springer.com/journal/709	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84975459776&doi=10.1007%2fs00709-016-0996-5&partnerID=40&md5=249f4489d2ad59bb8b28f5b589c7603f	Scopus
Increasing esterification efficiency by double immobilization of lipase-ZnO bioconjugate into sodium bis (2-ethylhexyl) sulfosuccinate (AOT)-reverse micelles and microemulsion based organogels	Patel V., Madamwar D.	Department of Bioscience	Biocatalysis and Agricultural Biotechnology	2017	18788181	https://www.sciencedirect.com/journal/biocatalysis-and-agricultural-biotechnology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85015456501&doi=10.1016%2fj.bcab.2017.03.009&partnerID=40&md5=4498ebfbe22eec0b17a63e0280f18934	Scopus
Metabolism of pyrene through phthalic acid pathway by enriched bacterial consortium composed of Pseudomonas, Burkholderia, and Rhodococcus (PBR)	Vaidya S., Jain K., Madamwar D.	Department of Bioscience	3 Biotech	2017	2190572X	https://www.springer.com/journal/13205	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017548022&doi=10.1007%2fs13205-017-0598-8&partnerID=40&md5=b631c9e98bb8a2f722ca81a0bc390010	Scopus
Metabolic potential and taxonomic assessment of bacterial community of an environment to chronic industrial discharge	Neelam Devpura, Kunal Jain, Anand Patel, CG Joshi, Datta Madamwar	Department of Bioscience	International Biodeterioration and Biodegradation	2017	09648305	https://www.sciencedirect.com/journal/international-biodeterioration-and-biodegradation	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85022345847&doi=10.1016%2fj.ibiod.2017.06.011&partnerID=40&md5=94f3b41df61a362fbb488fe26e97beb0	Scopus
Microalgal hydrogen production- " A review	Wanthanee Khetkorn, Rajesh P Rastogi, Aran Incharoensakdi, Peter Lindblad, Datta Madamwar, Ashok Pandey, Christian Larroche	Department of Bioscience	Bioresource Technology	2017	09608524	https://www.sciencedirect.com/journal/bioresource-technology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026415804&doi=10.1016%2fj.biortech.2017.07.085&partnerID=40&md5=4f4bc76268410621d63109734b4e4c66	Scopus
Purification and antioxidant activity of phycocyanin from Synechococcus sp. R42DM isolated from industrially polluted site	R. R. Sonani, Patel, Stuti Nareshkumar, Bhastana, Bela, Jakharia, Kinnari, Chaubey, Mukesh GhanshyamSingh, Niraj Kumar Madamwar, D	Department of Bioscience	Bioresource Technology	2017	0960-8524	https://www.sciencedirect.com/journal/bioresource-technology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028941915&doi=10.1016%2fj.biortech.2017.08.129&partnerID=40&md5=34fac0f0631782a998b8b3d62f11154b	Scopus
Micropropagation of Combretum ovalifolium Roxb.: a medicinally important plant.	Kher MM, Nataraj M	Department of Bioscience	Rendiconti Lincei	2017	1120-6349	https://www.springer.com/journal/12210/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020677295&doi=10.1007%2fs12210-017-0625-z&partnerID=40&md5=4f668bc16371480a22677c4c4360b5d6	Scopus
Isolation and characterization of potential bioactive compounds from Piper betle varieties Banarasi and Bengali leaf extract	Naynika Patel, JSS Mohan	Department of Bioscience	International Journal of Herbal Medicine	2017	2321-2187	florajournal.com	https://www.florajournal.com/archives/2017/vol5issue5/PartC/6-5-32-349.pdf	

Maslinic acid inhibits proliferation of renal cell carcinoma cell lines and suppresses angiogenesis of endothelial cells	Parth Thakor, Wenzhe Song, Ramalingam B Subramanian, Vasudev R Thakkar, David A Vesey, Glenda C Gobe	Department of Bioscience	Journal of Kidney Cancer and VHL	2017	2203-5826	https://www.ncbi.nlm.nih.gov/pmc/journals/3165/	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5364332/	Scopus
Identification of single nucleotide polymorphism from Indian Bubalus bubalis through targeted sequence capture	Patel A.B., Subramanian R.B., Padh H.	Department of Bioscience	Current Science	2017	00113891	https://www.currentscience.ac.in/show.issue.php?volume=112&issue=06	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85016257147&doi=10.18520%2fcs%2fv112%2fi06%2f1230-1239&partnerID=40&md5=3daefe09a348e848d99cdf5adabd3bc4	Scopus
Role of Plant Growth Promoting Rhizobacteria in Accumulation of Heavy Metal in Metal Contaminated Soil	Yachana Jha, R. B. Subrmanian, Kundan K. Mishra	Department of Bioscience	emergent Life Sciences Research	2017			https://www.emergentresearch.org/uploads/38/3155_pdf.pdf	
Phytol induces ROS mediated apoptosis by induction of caspase 9 and 3 through activation of TRAIL, FAS and TNF receptors and inhibits tumor progression factor Glucose 6 phosphate dehydrogenase in lung carcinoma cell line (A549	ParthThakor Ramalingam Subramanian Sampark S. Thakkar ArabindaRay Vasudev R.Thakkar	Department of Bioscience	Biomedicine & Pharmacotherapy	2017	0753-3322	https://www.sciencedirect.com/journal/biomedicine-and-pharmacotherapy	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020029119&doi=10.1016%2fj.biopha.2017.05.066&partnerID=40&md5=d50b6f7c5b54b595aa900e06a8540739	Scopus
Phytomining of heavy metals from soil by Hibiscus radiatus using phytoremediationtechnology (Part-2)	Panchal, K. J. ; Subramanian, R. B. ; Gohil, T. P.	Department of Bioscience	American Geophysical Union, Fall Meeting 2017, abstract #H11E-1227	2017	7AGUFM.H11E1	https://ui.adsabs.harvard.edu/abs/2017AGUFM.H11E1227P/abstract	https://ui.adsabs.harvard.edu/abs/2017AGUFM.H11E1227P/abstract	
Molecular cloning heterelologus expression, and functional characterization of a cellulolytic enzyme (Cel PRII) from buffalo rumen metagenome.	Ravi K. Shah, Ramalingam B. Subramanian, Kamlesh C. Patel, M. Deshpande D. Madamwar	Department of Bioscience	3 Biotech	2017	2190-572X	https://www.springer.com/journal/13205	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85025473543&doi=10.1007%2fs13205-017-0895-2&partnerID=40&md5=5f9d8fb15f3355d666e2e9d0f24e66eb	Scopus
Optimization of edible coating formulations for improving postharvest quality and shelf life of pear fruit using Response Surface Methodology	AS Nandane, Rudri K Dave, TV Ramana Rao	Department of Bioscience	Journal of Food Science and Technology	2017	0022-1155	https://www.springer.com/journal/13197	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85006860790&doi=10.1007%2fs13197-016-2359-9&partnerID=40&md5=19039ba24ec08e5e4a8573b00ec7665f	Scopus
Gum ghatti based edible coating emulsion with an additive of clove oil improves the storage life and maintains the quality of papaya (Carica papaya L., cv. Madhu bindu)	Arpit V Joshi, Nilanjana S Baraiya, Pinal B Vyas, TR Rao	Department of Bioscience	International Journal of Current Microbiology and Applied Sciences	2017	2319-7692	https://www.ijcmas.com/	https://www.ijcmas.com/6-5-2017/Arpit%20V.%20Joshi,%20et%20al.pdf	
Responses of fresh-cut products of four mango cultivars under two different storage conditions	Sharma S., Rao T.V.R.	Department of Bioscience, Sardar Patel University, Sardar Patel Maidan, Vadtal Road, Vallabh Vidyanagar, Gujarat 388 120, India	Journal of Food Science and Technology	2017	00221155	https://www.springer.com/journal/13197	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017116809&doi=10.1007%2fs13197-017-2601-0&partnerID=40&md5=36bd5d0d1b114afb0ce5891fea6ba2fb	Scopus
Improvement of post-harvest quality of pear fruit with optimized composite edible coating formulations	Rudri K Dave, TV Ramana Rao, AS Nandane	Department of Bioscience	Journal of Food Science and Technology	2017	0022-1155	https://www.springer.com/journal/13197	https://link.springer.com/article/10.1007/s13197-017-2850-y	Scopus

Synthesis and biological screening of novel 2-morpholinoquinoline nucleus clubbed with 1, 2, 4-oxadiazole motifs	Sharad C Karad, Vishal B Purohit, Rahul P Thummar, Beena K Vaghasiya, Ronak D Kamani, Parth Thakor, Vasudev R Thakkar, Sampark S Thakkar, Arabinda Ray, Dipak K Raval	Department of Bioscience	European Journal of Medicinal Chemistry	2017	0223-5234	https://www.sciencedirect.com/journal/european-journal-of-medicinal-chemistry	https://www.sciencedirect.com/science/article/abs/pii/S0223523416310224	
Benzothiazole analogues: synthesis, characterization, MO calculations with PM6 and DFT, in silico studies and in vitro antimalarial as DHFR inhibitors and antimicrobial activities	Sampark S Thakkar, Parth Thakor, Arabinda Ray, Hiren Doshi, Vasudev R Thakkar	Department of Bioscience	Bioorganic and Medicinal Chemistry	2017	0968-0896	https://www.sciencedirect.com/journal/bioorganic-and-medicinal-chemistry	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026781038&doi=10.1016%2fj.bmc.2017.07.057&partnerID=40&md5=5756c0eab829f1baee90177775af8eb78	Scopus
A novel strain of Pseudomonas inhibits Colletotrichum gloeosporioides and Fusarium oxysporum infections and promotes germination of coffee	Tekalign Kejela, Vasudev R. Thakkar, Ravi R. Patel,R B Subramanian,	Department of Bioscience	Rhizosphere	2017	2452-2198	https://www.sciencedirect.com/journal/rhizosphere	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034062041&doi=10.1016%2fj.rhisph.2017.05.002&partnerID=40&md5=d2e0555661f974ad0821536c1be15dfc	Scopus
Thermoelectric Properties of the Colloidal Bi2S3-Based Nanocomposites	Oleksandr Anatoliiovych Dobrozhan, Anatolii Serhiiovych Opanasiuk, Denys Ihorovych Kurbatov, UB Trivedi, CJ Panchal, Suryavanshi Priya, VA Kheraj	Department of Bioscience	Sumy State University	2017			http://essuir.sumdu.edu.ua/handle/123456789/65980	
Evaluation of catalytic efficiency of Coriolopsis caperata DN laccase to decolorize and detoxify RBBR dye	Ajit M Patel, Vanita M Patel, Juhi Pandya, Ujjval B Trivedi, Kamlesh C Patel	Department of Bioscience	Water Conservation Science and Engineering	2017	2364-5687	https://www.springer.com/journal/41101	https://link.springer.com/article/10.1007/s41101-017-0028-0	
Draft genome sequence of a thermostable, alkaliphilic α-amylase and protease producing Bacillus amyloliquefaciens strain KCP2.	Sanket Ray, Kamlesh C. Patel, Ujjval B. Trivedi	Department of Bioscience	3 Biotech	2017	2190-572X	https://www.springer.com/journal/13205	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032853984&doi=10.1007%2fs13205-017-1005-1&partnerID=40&md5=3a5ecaac648b3efbc13ad58eab5a1b19	Scopus
Tuning of optical, thermal and antimicrobial capabilities of CdS nanoparticles with incorporated Mn prepared by chemical method	Nikita H Patel, MP Deshpande, SH Chaki, HR Keharia	Department of Bioscience	Journal of Materials Science: Materials in Electronics	2017	0957-4522	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-017-6865-y	
Optical and Thermal Studies of Pristine and Ni Doped CdS Nanoparticles with Antibacterial Applications	Nikita H Patel, MP Deshpande, SH Chaki, HR Keharia	Department of Bioscience	Materials Focus	2017	2169-4303	https://www.ingentaconnect.com/content/asp/mf;jsessionid=1g6p89l32cvi7.x-ic-live-03	https://www.ingentaconnect.com/contentone/asp/mf/2017/00000006/00000004/art00005	
Vascular Endothelial Growth Factor-A (Vegfa) Gene Polymorphisms and Genetic Predisposition of Retinopathy in Type 2 Diabetes Patients of India	Dhara Nareshkumar Jajal, Kiran Kalia	Department of Bioscience	INTERNATIONAL JOURNAL OF ADVANCED BIOTECHNOLOGY AND RESEARCH	2017	2278–599X	https://bipublication.com/IJABR-biotechnology_journals.html	https://bipublication.com/files/ijabr20178128Dhara.pdf	
Genetic profile of PTEN gene in Indian oral squamous cell carcinoma primary tumors	Sejal Shah, Dhara Jajal, Girish Mishra, Kiran Kalia	Department of Bioscience	Journal of Oral Pathology & Medicine	2017	1600-0714	https://onlinelibrary.wiley.com/journal/16000714	https://onlinelibrary.wiley.com/doi/abs/10.1111/jop.12468	
Impact of VEGF Gene Polymorphisms on Progression of Diabetic Retinopathy in an Indian Population	Dhara Jajal, Kiran Kalia	Department of Bioscience	The FASEB Journal	2017	2575-5064	https://www.sciencepublishinggroup.com/journal/index?journalid=244#:~:text=Biochemistry%20and%20Molecular%20Biology%20(BMB,share%20experiences%20and%20communicate%20ideas.	https://faseb.onlinelibrary.wiley.com/doi/abs/10.1096/fasebj.31.1_supplement.780.10	

Genetic variations in coding region of vascular endothelial growth factor (VEGF) and risk of diabetic retinopathy: A primary case-control study	Dhara Jajal, Abhishek Panchani, Kiran Kalia	Department of Bioscience	Investigative Ophthalmology & Visual Science	2017		https://www.arvo.org/annual-meeting/	https://iovs.arvojournals.org/article.aspx?articleid=2639633	
Analysis of community structure and species richness of protozoa-enriched rumen metagenome from Indian Surti by shotgun sequencing	Ravi K. Shah, Amrutlal K. Patel, Tejas M. Shah, Krishna M. Singh, Neelam M. Nathani and Chaitanya G. Joshi,	Department of BioScience	Current Science	2016	113891	https://www.currentscience.ac.in/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84990932610&doi=10.18520%2fcs%2fv111%2fi1%2f184-191&partnerID=40&md5=e3bf280d9084d6223803867daab7f421	Scopus
Efficient Enzymatic Digestion of Alkali Treated Maize Stover Holocellulose by Developing Balanced Cocktail of Cellulolytic and Hemicellulolytic Enzymes	Patel H., Shah A.	Department of Bioscience	Waste and Biomass Valorization	2017	18772641	https://www.springer.com/journal/12649/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85001740707&doi=10.1007%2fs12649-016-9769-9&partnerID=40&md5=3d4e74a357751abb07093b8785d97761	Scopus
Microwave assisted alkali treated wheat straw as a substrate for co-production of (hemi)cellulolytic enzymes and development of balanced enzyme cocktail for its enhanced saccharification	Patel H., Shah A.	Department of Bioscience	Journal of the Taiwan Institute of Chemical Engineers	2017	18761070	https://www.sciencedirect.com/journal/journal-of-the-taiwan-institute-of-chemical-engineers	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009512562&doi=10.1016%2fj.jtice.2016.12.032&partnerID=40&md5=d70773b3b385bafeb408e883fc992e6e	Scopus
Bioconversion of pretreated sugarcane bagasse using enzymatic and acid followed by enzymatic hydrolysis approaches for bioethanol production	Patel H., Chapla D., Shah A.	Department of Bioscience	Renewable Energy	2017	09601481	https://www.sciencedirect.com/journal/renewable-energy	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85015995749&doi=10.1016%2fj.renene.2017.03.057&partnerID=40&md5=c41e99d6d607972433dfb71ae521efd5	Scopus
Anti-termite activity of certain plants against odontotermes obesus	Patel K.K., Narasimhacharya A.V.R.L.	Department of Bioscience	Journal of Biopesticides	2017	0974391X	http://www.jbiopest.com/users/LW8/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043794670&partnerID=40&md5=37b8c660a671a200246b38902835f54b	Scopus
Transfecting CHO-K1 cells: Comparison of CaPO4, electroporation and lipoplex method with in-house prepared polyplex	Desai P.	Department of Cell and Molecular Biology, B. V. Patel Pharmaceutical Education, Research and Development (PERD) Centre, Ahmedabad, 380 054, India	Indian Journal of Pharmaceutical Sciences	2017	0250474X	https://www.ijpsonline.com/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85037149263&doi=10.4172%2fpharmaceutical-sciences.1000276&partnerID=40&md5=c01115847b996be25968cb84a306dc1a	Scopus
Finger Print Fractal Dimension as a Supplementary Quantitative Measure Distinguishing Fingerprints and Gender	Sujata S Bhatt, Khushbu Vithalani, Jaymin M Patel, Subhash J Bhatt	Department of Bioscience	Biostatistics and Biometrics Open Access Journal	2017	2573-2633	https://juniperpublishers.com/bboaj/	https://ideas.repec.org/a/adp/jbboaj/v2y2017i3p55-60.html	
2018	**2018**	**2018**	**2018**	**2018**	**2018**	**2018**	**2018**	**2018**
Algal Green Energy–R&D and technological perspectives for biodiesel production	Rajesh P Rastogi, Ashok Pandey, Christian Larroche, Datta Madamwar	Department of Bioscience	Renewable and Sustainable Energy Reviews	2018	1364-0321	https://www.sciencedirect.com/journal/renewable-and-sustainable-energy-reviews	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85033219458&doi=10.1016%2fj.rser.2017.10.038&partnerID=40&md5=f193e4ff0c63a49b9ea4df0c7d6dfb7f	Scopus
Response of microbial community structure to seasonal fluctuation on soils of Rann of Kachchh, Gujarat, India: Representing microbial dynamics and functional potential	Avinash Narayan, Vrutika Patel, Prachi Singh, Avani Patel, Kunal Jain, K Karthikeyan, Amita Shah, Datta Madamwar	Department of Bioscience	Ecological Genetics and Genomics	2018	2405-9854	https://www.sciencedirect.com/journal/ecological-genetics-and-genomics	https://www.sciencedirect.com/science/article/abs/pii/S2405985417300216	

Picosecond excitation energy transfer of allophycocyanin studied in solution and in crystals	Reza Ranjbar Choubeh, Ravi R Sonani, Datta Madamwar, Paul C Struik, Arjen N Bader, Bruno Robert, Herbert van Amerongen	Department of Bioscience	Photosynthesis Research	2018	0166-8595	https://www.springer.com/journal/11120?referer=www.springeronline.com	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026449595&doi=10.1007%2fs11120-017-0417-4&partnerID=40&md5=6bce6d83dbf35f0b62ee8e7d0eb9ae63	Scopus
An improved crystal structure of C-phycoerythrin from the marine cyanobacterium Phormidium sp. A09DM	Ravi R Sonani, Aleksander W Roszak, Claire Ortmann de Percin Northumberland, Datta Madamwar, Richard J Cogdell	Department of Bioscience	Photosynthesis Research	2018	0166-8595	https://www.springer.com/journal/11120?referer=www.springeronline.com	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029487511&doi=10.1007%2fs11120-017-0443-2&partnerID=40&md5=566db8d10cc039a5f0991a5237e83128	Scopus
Development of mixed bacterial cultures DAK11 capable for degrading mixture of polycyclic aromatic hydrocarbons (PAHs)	A. B. Patel, K. Mahala, K. Jain, and D. Madamwar	Department of Bioscience	Bioresource Technology	2018	0960-8524	https://www.sciencedirect.com/journal/bioresource-technology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041380097&doi=10.1016%2fj.biortech.2018.01.049&partnerID=40&md5=44cd3c9e5100e13c350a1f2bc54faa80	Scopus
Nanobiocatalysis for the Synthesis of Pentyl Valerate in Organic Solvents: Characterization, Optimization and Reusability Studies	V. Patel, M. P. Deshpande, A. Pandey, and C. L. and D. Madamwar	Department of Bioscience	Current Biotechnology	2018	2211-5501	https://benthamscience.com/journals/current-biotechnology/	1004.pdf	UGC Notified (Approved List of Journals)
Bacterial community dynamics involved in Reactive Orange M2R dye degradation using a real time quantitative PCR and scale up studies using sequence batch reactor	Jayshree Jagwani, Jenny Johnson, Madamwar Datta, Bhaskaran Jayachandran Lakshmi	Department of Bioscience	Bioremediation Journal	2018	1547-6529	https://www.tandfonline.com/journals/bbrm20	https://www.tandfonline.com/doi/abs/10.1080/10889868.2018.1476452	
Antioxidant activity and associated structural attributes of Halomicronema phycoerythrin	S. N. Patel, Sonani, Ravi Raghal, Jakharia, Kinnari, Bhastana, Bela Patel, Hiral M., Chaubey, Mukesh Ghanshyam,Singh, Niraj Kumar Madamwar, D.	Department of Bioscience	International Journal of Biological Macromolecules	2018	0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040243379&doi=10.1016%2fj.ijbiomac.2017.12.170&partnerID=40&md5=958b2eab18192fd6b6e21c8569f263c5	Scopus
Structural characterization and antioxidant potential of phycocyanin from the cyanobacterium Geitlerinema sp. H8DM	H. M. Patel, R. P. Rastogi, U. Trivedi, and D. Madamwar	Department of Bioscience	Algal Research	2018	2211-9264	https://www.journals.elsevier.com/algal-research	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046697930&doi=10.1016%2fj.algal.2018.04.024&partnerID=40&md5=d3f8d8913cae5eeeedaa245af507afab	Scopus
Degradation of chrysene by enriched bacterial consortium	Sagar Vaidya, Neelam Devpura, Kunal Jain, Datta Madamwar	Department of Bioscience	Frontiers in Microbiology	2018	1664-302X	https://www.frontiersin.org/journals/microbiology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049068147&doi=10.3389%2ffmicb.2018.01333&partnerID=40&md5=a61b7053aacda4a1222de8dad35ce682	Scopus
Site, trigger, quenching mechanism and recovery of non-photochemical quenching in cyanobacteria: recent updates	R. R. Sonani, A. Gardiner, R. P. Rastogi, and D. Madamwar	Department of Bioscience	Photosynthesis Research	2018	0166-8595	https://www.springer.com/journal/11120	https://www.webofscience.com/wos/woscc/full-record/WOS:000437397700003	WoS
Bioproduction and characterization of extracellular melanin-like pigment from industrially polluted metagenomic library equipped Escherichia coli	S. Amin, R. P. Rastogi, R. R. Sonani, and D. Madamwar	Department of Bioscience	Science of the Total Environment	2018	0048-9697	https://www.sciencedirect.com/journal/science-of-the-total-environment	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045389307&doi=10.1016%2fj.scitotenv.2018.04.107&partnerID=40&md5=4f989ac221c5df4b95f6d37d06443ef2	Scopus
Red sandalwood (Pterocarpus santalinus L.): Biology, importance, propagation and micropropagation.	Kher MM, Soner D, Nataraj M*	Department of Bioscience	Journal of Forstry Research	2018	1687-9368	https://www.hindawi.com/journals/ijfr/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048794263&doi=10.1007%2fs11676-018-0714-6&partnerID=40&md5=f350ec3175ef5cdc51e873a1e0e68e76	Scopus

Bael tree (Aegle marmelos (L.) Corrêa): Importance, biology, propagation and future perspectives.	Vasava D, Kher MM, Soner D, Nataraj M*	Department of Bioscience	Tress-Structure and Function	2018	0931-1890	https://www.springer.com/journal/468	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053229617&doi=10.1007%2fs00468-018-1754-4&partnerID=40&md5=d1dabe768a0e820b1b694a84f06f60e7	Scopus
Indian kino tree (Pterocarpus marsupium Roxb.): propagation, micropropagation, and biotechnology	Teixeira da Silva JA, Kher MM, Soner D, Nataraj M*	Department of Bioscience	Environmental and Experimental Biology	2018	1691-8088	https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101000766&flag=Search	768.pdf	UGC-CARE
Callus induction in Ailanthus excelsa RoxB. - A multipurpose tree.	Patel D, Nataraj M*	Department of Bioscience	International Journal of Scientific Research and Reviews	2018	2279-0543	http://www.ijsrr.org/	998.pdf	UGC Notified (Approved List of Journals)
Santalum molecular biology: molecular markers for genetic diversity, phylogenetics and taxonomy, and genetic transformation.	Teixeira da Silva JA, Kher MM, Soner D, Nataraj M*, Dobránszki J, Millar MA.	Department of Bioscience	Agroforestry Systems	2018	0167-4366	https://www.springer.com/journal/10457?referer=www.springeronline.com	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85012914278&doi=10.1007%2fs10457-017-0075-8&partnerID=40&md5=ccadbc6f38eed5e4d857b0524875ce82	Scopus
Molecular and biochemical characterization of a thermostable keratinase from Bacillus altitudinis RBDV1	Vishakha A. Pawar, Anil S. Prajapati, R B Subramanian.	Department of Bioscience	3 Biotech	2018	2190-572X	https://www.springer.com/journal/13205	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041567526&doi=10.1007%2fs13205-018-1130-5&partnerID=40&md5=49d60ee6f46831d0c89395975e92f037	Scopus
Ethnobotanical database based screening and identification of potential plant species with antiplasmodial activity against chloroquine-sensitive (3D7) strain of Plasmodium falciparum	Monica Noronha, Shivali Guleria, Dhara Jani, LB George, Hyacinth Highland, RB Subramanian	Department of Bioscience	Asian Pacific Journal of Tropical Biomedicine	2018	2588-9222	https://www.apjtb.org/aboutus.asp	https://www.apjtb.org/article.asp?issn=2221-1691;year=2018;volume=8;issue=2;spage=92;epage=97;aulast=Noronha	
Review on Cellulase and Xylanase Engineering for Biofuel Production	A.S. Prajapati, K.J. Panchal, V.A. Pawar, M.J. Noronha, D.H. Patel, R.B. Subramanian,	Department of Bioscience	Industrial biotechnology	2018	1550-9087	https://www.liebertpub.com/loi/ind	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042234275&doi=10.1089%2find.2017.0027&partnerID=40&md5=080251b8c428221e6f153d3453b5a701	Scopus
Effects of mutations of non-catalytic aromatic residues on substrate specificity of Bacillus licheniformis endocellulase cel12A.	Anil S. Prajapati, Darshan H. Patel, R. B. Subramanian	Department of Bioscience	Process Biochemistry	2018	1359-5113	https://www.sciencedirect.com/journal/process-biochemistry	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041593014&doi=10.1016%2fj.procbio.2018.01.019&partnerID=40&md5=88f4c6f86d41c637ea4d6b86be14b4f1	Scopus
Effects of substrate binding site residue substitutions of xynA from Bacillus amyloliquefaciens on substrate specificity.	Anil S. Prajapati, Vishakha A. Pawar, Ketankumar J. Panchal, Ankit P. Sudhir, Bhaumik R. Dave, R. B. Subramanian	Department of Bioscience	BMC Biotechnology,	2018	1472-6750	https://bmcbiotechnol.biomedcentral.com/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042099128&doi=10.1186%2fs12896-018-0420-7&partnerID=40&md5=d623a74a20ed90aa70806e9bde25db94	Scopus
Screening of selected aromatic plants belonging to Labiateae and Verbenaceae family for their antimicrobial activity	Naynika K Patel, Raj Kumar S Yadav, Purvesh B Bharvad, Ali Ahmed Ben Ahmed, JSS Mohan	Department of Bioscience	Discovery Phytomedicine	2018		https://www.phytomedicine.ejournals.ca/index.php/phytomedicine	https://www.researchgate.net/publication/264976198_Screening_of_selected_Aromatic_plants_belonging_to_Labiateae_and_Verbenaceae_for_their_antimicobial_activity	
Evaluating the physiological effect of strobilurin-based fungicide (Opera 183 g/L SE) against Sclerotium rolfsii and Aspergillus niger pathogens of Arachis hypogaea L.	Amin D., Jampala S.S.M.	Department of Bioscience	Archives of Phytopathology and Plant Protection	2018	0323-5408	https://www.tandfonline.com/toc/gapp20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057603219&doi=10.1080%2f03235408.2018.1485828&partnerID=40&md5=20ae47231ef769aa467afbd9c3d932b0	Scopus

Evaluation of physiological effect of fungal culture filtrate (FCF) and mycelial cell wall fraction (MCW) of Alternaria sp. on banana plant	Zalak M Patel, Siva Satya Mohan Jampala	Department of Bioscience	International Congress of Plant Pathology (ICPP) 2018: Plant Health in A Global Economy	2018		https://apsnet.confex.com/apsnet/ICPP2018/meetingapp.cgi/Paper/7000	https://apsnet.confex.com/apsnet/ICPP2018/meetingapp.cgi/Paper/7000	
Antimicrobial Activity and Phytochemical Analysis of Moringa oleifera Lam. Crude Extracts Against Selected Bacterial and Fungal Strains	Niraj Patel, Mohan J S S	Department of Bioscience	International Journal of Pharmacognosy and Phytochemical Research	2018	0975-4873	https://ijppr.com/	https://www.researchgate.net/publication/324775558_Antimicrobial_Activity_and_Phytochemical_Analysis_of_Moringa_oleifera_Lam_Crude_Extracts_Against_Selected_Bacterial_and_Fungal_Strains	
Composite Coating as a Carrier of Antioxidants Impr oves the Postharvest Shelf Life and Quality of Table Grapes (Vitis vinifera L. var. Thompson Seedless)	VR Thakkar, TV Ramana Rao, NS Baraiya	Department of Bioscience	Journal of Agricultural Science and Technology	2018	2345-3737	https://jast.modares.ac.ir/	https://jast.modares.ac.ir/article-23-3814-en.html	
Nutraceutical value and quality attributes of icebox watermelon fruit as influenced by ripening	Soumya V and Ramana Rao, T. V.	Department of Bioscience	International Food Research Journal	2018	1985-4668	http://www.ifrj.upm.edu.my/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052514848&partnerID=40&md5=ad3d17f7830659173a8b20ef8a6fbaf6	Scopus
Gum Ghatti Coating Enriched with Clove Oil extends the post Harvest Shelf Life of Banana (Musa acuminata., cv. Robusta) Fruit Stored at Ambient Condition.	Arpit V Joshi, Nilanjana S Baraiya, Pinal B Vyas, TV Rao	Department of Bioscience	Journal of Plant Science Research	2018	0976-3880.	http://journalseek.net/cgi-bin/journalseek/journalsearch.cgi?field=issn&query=0970-2539	https://eds.p.ebscohost.com/abstract?site=eds&scope=site&jrnl=09702539&AN=133518094&h=Cp8RF0%2b31cpWNvYN92y6GVH4H0um698ebsnySaAZKYVZaPWXKQ1ilNzaCYC65qrChvRMGhczSuTgwiSMCp8nPQ%3d%3d&crl=c&resultLocal=ErrCrlNoResults&resultNs=Ehost&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d09702539%26AN%3d133518094	
Structural characterization and antioxidant potential of phycocyanin from the cyanobacterium Geitlerinema sp. H8DM	Hiral M Patel, Rajesh P Rastogi, Ujjval Trivedi, Datta Madamwar	Department of Bioscience	Algal research	2018	2211-9264	https://www.sciencedirect.com/journal/algal-research	https://www.sciencedirect.com/science/article/abs/pii/S2211926417309050	Scopus
Single nucleotide polymorphism rs17849071 G/T in the PIK3CA gene is inversely associated with oral cancer	Sejal Shah, Girish Mishra, Kiran Kalia	Department of Bioscience	Oral Cancer	2018	1368-8375	https://link.springer.com/journal/41548/volumes-and-issues	https://link.springer.com/article/10.1007/s41548-018-0012-1	
Biological Significance of Hetero-Scaffolds Based Gold (III) Complexes	Darshana N Kanthecha, Dilip B Raval, Vasudev R Thakkar, Mohan N Patel	Department of Bioscience	Acta Chimica Slovenica	2018	1318-0207	https://acta.chem-soc.si/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049213494&doi=10.17344%2facsi.2017.4018&partnerID=40&md5=8c0a8404bb1bfb0c577d14980414a78c	Scopus
Mutation Based Structural Modelling and Dynamics Study of Alpha Fetoprotein: An Insight to Inhibitory Mechanism in Breast Cancer	Priyam Patel, Pritam Kumar Panda, Sneha Patil and Hetalkumar Panchal	Department of Bioscience	Journal of Proteomics & Bioinformatics	2018	0974-276X	https://www.longdom.org/proteomics-bioinformatics.html	1003.pdf	UGC Notified (Approved List of Journals)
In vivo delivery of pPERDBY to BALB/c mice by LacVax (R) DNA-I and comparison of elicited immune response with conventional immunization methods	Yagnik, B; Sharma, D.	Department of Biosciences	GENE THERARY	2018	0969-7128	https://www.nature.com/gt/	https://www.webofscience.com/wos/alldb/full-record/WOS:000448172400004	WoS
Purification and characterization of novel bi-functional GH3 family β xylosidase/ β glucosidase from Aspergillus niger ADH -11	Harshvadan Patel, Adepu Kiran Kumar, Amita Shah, .	Department of Bioscience	International Journal of Biological Macromolecules	2018	0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85036551223&doi=10.1016%2fj.ijbiomac.2017.11.132&partnerID=40&md5=bd3560cff12381b51242ec34e4b3ea7f	Scopus

An investigation on the use of Prosopis juliflora pods as a carbohydrate source supplemented with probiotics in the diet of Labeo rohita fingerlings	Sandeep Chovatiya, Sujata Bhatt, Amita Shah, Prabhat Dube	Department of Bioscience	Iranian Journal of Fisheries Sciences	2018	1562-2916	https://jifro.ir/	https://jifro.ir/article-1-3353-en.pdf	
2019	**2019**	**2019**	**2019**	**2019**	**2019**	**2019**	**2019**	**2019**
Synergistic biodegradation of phenanthrene and fluoranthene by mixed bacterial cultures	Avani Bharatkumar Patel,Shilpi Singh, Kunal Jain,Datta Madamwar	DEPARTMENT OF BIOSCIENCE	Bioresource Technology	2019	0960-8524	https://www.journals.elsevier.com/bioresource-technology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063375520&doi=10.1016%2fj.biortech.2019.03.097&partnerID=40&md5=c7a88386fa090f12821852cc9963feb6	Scopus
Phylogenetic and crystallographic analysis of Nostoc phycocyanin having blue-shifted spectral properties	Stuti Nareshkumar Patel, Datta Madamwar	DEPARTMENT OF BIOSCIENCE	Scientific Reports	2019	2045-2322	https://www.nature.com/srep/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068775348&doi=10.1038%2fs41598-019-46288-4&partnerID=40&md5=dd3250160723ec3f6a43fbe6efe9fa51	Scopus
Therapeutic potential of cyanobacterial pigment protein phycoerythrin: in silico and in vitro study of BACE1 interaction and in vivo Aβ reduction	Datta Madamwar	DEPARTMENT OF BIOSCIENCE	International Journal of Biological Macromolecules	2019	0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065623261&doi=10.1016%2fj.ijbiomac.2019.05.006&partnerID=40&md5=2612f41f0176aed1460eac9813b197c8	Scopus
Cyanobacterial diversity in mat sample obtained from hypersaline desert, Rann of Kachchh	Patel H.M.; Rastogi R.P; Trivedi U; Madamwar D	DEPARTMENT OF BIOSCIENCE	3 Biotech	2019	2190-5738	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-019-1837-y	Scopus
Crystal structure of phycocyanin from heterocyst-forming filamentous cyanobacterium Nostoc sp. WR13	Hiral M Patel, Aleksander W Roszak, Datta Madamwar	DEPARTMENT OF BIOSCIENCE	International Journal of Biological Macromolecules	2019	0141-8131	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066041183&doi=10.1016%2fj.ijbiomac.2019.05.099&partnerID=40&md5=d3ab0f473426bca6dcae0bc59ecdc0ad	Scopus
Community synergism: degradation of triazine dye reactive black 1 by mixed bacterial cultures KND_PR under microaerophilic and aerobic conditions	Datta Madamwar	DEPARTMENT OF BIOSCIENCE	Environmental Processes	2019	2198-7491	https://www.springer.com/journal/40710	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068825043&doi=10.1007%2fs40710-019-00378-7&partnerID=40&md5=341ae936e98b679d82cdeb117e90e009	Scopus
A Solvent-tolerant Alkaline Lipase from Bacillus sp. DM9K3 and Its Potential Applications in Esterification and Polymer Degradation	Singh P., Patel V., , Madamwar D.	DEPARTMENT OF BIOSCIENCE	Applied Biochemistry and Microbiology	2019	0003-6838	https://www.springer.com/journal/10438	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076321185&doi=10.1134%2fS0003683819060139&partnerID=40&md5=f8426bbfab9240bafd0e3903f54b9da2	Scopus
Microaerophilic biodegradation of raw textile effluent by synergistic activity of bacterial community DR4	Rohit Rathour, Kunal Jain, Datta Madamwar, Chirayu Desai	DEPARTMENT OF BIOSCIENCE	Journal of Environmental Management	2019	0301-4797	https://www.journals.elsevier.com/journal-of-environmental-management	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072196924&doi=10.1016%2fj.jenvman.2019.109549&partnerID=40&md5=24c9082463f7dc69b47a9ca9045e15f2	Scopus
In vitro propagation, in vitro flowering, ex vitro root regeneration and foliar micro-morphological analysis of Hedyotis biflora (Linn.) Lam	Revathi J., , Latha R., Priyadharshini S., Shekhawat M.S.	Department of Botany, Kanchi Mamunivar Center for Postgraduate Studies, Puducherry	Vegetos	2019	2229-4473	https://www.springer.com/journal/42535	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074567456&doi=10.1007%2fs42535-019-00066-9&partnerID=40&md5=f459a9092b28f28b1bd9b8832a677bf4	Scopus
Direct somatic embryogeneisis and shoot regeneration from leaves and internodes of Pluchea lanceolata(DC) C.B.Clarke	MM Kher,M nataraj	DEPARTMENT OF BIOSCIENCE	Invitro cellular and developmental biology plant	2019	1054-5476	https://www.springer.com/journal/11627	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073931561&doi=10.1007%2fs11627-019-10016-4&partnerID=40&md5=9f9a0c8e33f000bf2f1c2a00ea35f44e	Scopus
Edible coatings from plant-derived gums and clove essential oil improve postharvest strawberry (Fragaria × ananassa) shelf life and quality	Kaushik A. Jodhani, M. Nataraj	DEPARTMENT OF BIOSCIENCE	Environmental and Experimental Biology	2019	1691-8088	https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101000766&flag=Search	1372.pdf	UGC CARE

Direct shoot regeneration from excised leaf segments of Crataeva nurvala	Mafatlal M Kher, Dilipsingh B Rajput, Dipti Damor, Dhaval Khandhar, M Nataraj	DEPARTMENT OF BIOSCIENCE	Environmental and Experimental Biology	2019	1691-8088	https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101000766&flag=Search	https://www.researchgate.net/profile/Mafatlal-Kher/publication/337825032_Direct_shoot_regeneration_from_excised_leaf_segments_of_Crataeva_nurvala/links/5e00d9dea6fdcc28373a67d8/Direct-shoot-regeneration-from-excised-leaf-segments-of-Crataeva-nurvala.pdf	UGC CARE
Immunolocalization of β-(1–4)-D-galactan, xyloglucans and xylans in the reaction xylem fibres of Leucaena leucocephala (Lam.) de Wit	Pramod S., Rajput K.S.,	Department of Botany, The Maharaja Sayajirao of Baroda	Plant Physiology and Biochemistry	2019	0981-9428	https://www.journals.elsevier.com/plant-physiology-and-biochemistry	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068769436&doi=10.1016%2fj.plaphy.2019.07.013&partnerID=40&md5=d115a03654fbf66a9149fb5224b6f27f	Scopus
Dynamic system in +20:34the sieve tubes of Hevea brasiliensis.	Thomas Vinoth, Shankar Sobhana, Gopal Gopika, S Pramod, KS Rao	Rubber Research Institute of India, Kottayam-686 009, Kerala, India	Rubber Science	2019	2454-485X	http://rubberscience.in/about-journal.html	file:///C:/Users/PGB/Downloads/rubber_journal_article.pdf	
"Phenotypic and genotypic identification of Phosphate solubilizing bacteria with PGPR activity and their efficiency on the growth of Banana."	Shah, Chandni P and R B Subramanian	Department of Biosciences	Charusat annual journal	2019		ww.w.charusat.ac.in/pdpias/biologicalsciences/pdf/DAY3/Changa%202020%20-%20Chandni%20Shah.pdf	ww.w.charusat.ac.in	Abstract
A literature review on traditional herbal medicines for malaria	MonicaNoronha VishakhaPawar AnilPrajapati R.B.Subramanian	Department of Biosciences	South African Journal of Botany	2019	02546299193117	https://www.sciencedirect.com/journal/south-african-journal-of-botany	https://www.sciencedirect.com/science/article/pii/S0254629919311755	Web of science
Elicitor mediated" sanitization in combination with edible coatings improves postharvest shelf life and antioxidant potential of mango fruit.	Sayali More and T.V.Ramana Rao	DEPARTMENT OF BIOSCIENCE	Environmental and Experimental Biology	2019	1691-8088	https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101000766&flag=Search	1335.pdf	UGC CARE
Prevention of Fungal Contamination in Plant Tissue Culture Using Cyclic Lipopeptides Secreted by Bacillus amyloliquefaciens AB30a	Khushboo Rawal, Hareshkumar Keharia	Department of Bioscience	Plant Tissue Culture & Biotechnology	2019	1817-3721	https://www.banglajol.info/index.php/PTCB	1452.pdf	UGC Notified (Approved List of Journals)
Biodegradability, thermal, chemical, mechanical and morphological behavior of LDPE/pectin and LDPE/modified pectin blend	Mahendrasinh Raj, Ravikumar Savaliya, Sagar Joshi, Lata Raj, Haresh Keharia	Department of Bioscience	Polymer Bulletin	2019	0170-0839	https://www.springer.com/journal/289	https://link.springer.com/article/10.1007/s00289-018-2623-4	Scopus
Analysis of edible fruits against glycolytic enzymes and glycation: In vitro approaches with in silico validation	Anu Mishra, Hetalkumar Panchal and V. H. Patel	Department of Bioscience	Food Science Research Journal	2019	2230-9403	https://connectjournals.com/fsrj	http://researchjournal.co.in/online/FSRJ/FSRJ-10(2)/10_123-134_A.pdf	UGC-CARE
Enhanced production of ethanol from enzymatic hydrolysate of … optimization and mass balance analysis of bioconversion process	Patel, A., Patel, H., Divecha, J., & Shah, A. R.	DEPARTMENT OF BIOSCIENCE	Biofuels	2019	1759-7269	https://www.tandfonline.com/toc/tbfu20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065839771&doi=10.1080%2f17597269.2019.1608037&partnerID=40&md5=a227a1cc330205015dcbc7a312eeef9b	Scopus
Characterization of low molecular weight urinary proteins at varying time intervals in type 2 diabetes mellitus and diabetic nephropathy patients	Dhara N Patel, Kiran Kalia	DEPARTMENT OF BIOSCIENCE	Diabetology & Metabolic Syndrome	2019	1758-5996	https://dmsjournal.biomedcentral.com/	https://dmsjournal.biomedcentral.com/articles/10.1186/s13098-019-0430-1	
2020	**2020**	**2020**	**2020**	**2020**	**2020**	**2020**	**2020**	**2020**
Rhizobium desertarenae sp. nov., isolated from the saline desert soil from the Rann of Kachchh, India	Mitesh Khairnar, Ashwini Hagir, Avinash Narayan, Kunal Jain, Datta Madamwar, Yogesh Shouche, Praveen Rahi	DEPARTMENT OF BIOSCIENCE	bioRxiv	2020	1389-5567	https://www.biorxiv.org/	https://www.biorxiv.org/content/10.1101/2020.07.03.186106v1.abstract	

Resilience and self-regulation processes of microalgae under UV radiation stress	Rajesh P Rastogi, Datta Madamwar, Hitoshi Nakamoto, Aran Incharoensakdi	DEPARTMENT OF BIOSCIENCE	Journal of Photochemistry and Photobiology C: Photochemistry Reviews	2020	1389-5567	https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-c-photochemistry-reviews	https://www.sciencedirect.com/science/article/abs/pii/S1389556719300577	
Revisiting high-resolution crystal structure of Phormidium rubidum phycocyanin	Ravi R Sonani, Aleksander W Roszak, Haijun Liu, Michael L Gross, Robert E Blankenship, Datta Madamwar, Richard J Cogdell	DEPARTMENT OF BIOSCIENCE	Photosynthesis research	2020	0166-8595	https://www.springer.com/journal/11120	https://link.springer.com/article/10.1007/s11120-020-00746-7	
Cyanobacterial pigment protein allophycocyanin exhibits longevity and reduces Aβ-mediated paralysis in C. elegans: complicity of FOXO and NRF2 ortholog DAF-16 and SKN-1	Mukesh Ghanshyam Chaubey, Stuti Nareshkumar Patel, Rajesh Prasad Rastogi, Datta Madamwar, Niraj Kumar Singh	DEPARTMENT OF BIOSCIENCE	3 Biotech	2020	2190-5738	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-020-02314-1	
Degradation and Toxicity Analysis of a Reactive Textile Diazo Dye-Direct Red 81 by Newly Isolated Bacillus sp. DMS2	Shivani Amin, Rajesh Prasad Rastogi, Mukesh Ghanshyam Chaubey, Kunal Jain, Jyoti Divecha, Chirayu Desai, Datta Madamwar	DEPARTMENT OF BIOSCIENCE	Frontiers in microbiology	2020	1664302X	https://www.frontiersin.org/journals/microbiology	https://www.frontiersin.org/articles/10.3389/fmicb.2020.576680/full	
Characterizing the bacterial consortium ASDF capable of catabolic degradation of fluoranthene and other mono-and poly-aromatic hydrocarbons	Sagar S Vaidya, Avani Bharatkumar Patel, Kunal Jain, Seema Amin, Datta Madamwar	DEPARTMENT OF BIOSCIENCE	3 Biotech	2020	2190-5738	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-020-02478-w	
Polycyclic aromatic hydrocarbons: sources, toxicity, and remediation approaches	Avani Bharatkumar Patel, Shabnam Shaikh, Kunal R Jain, Chirayu Desai, Datta Madamwar	DEPARTMENT OF BIOSCIENCE	Frontiers in Microbiology	2020	1664302X	https://www.frontiersin.org/journals/microbiology	https://www.frontiersin.org/articles/10.3389/fmicb.2020.562813/full	
Extension of life span and stress tolerance modulated by DAF-16 in Caenorhabditis elegans under the treatment of Moringa oleifera extract	Anita Prabhatsinh Chauhan, Mukesh Ghanshyam Chaubey, Stuti Nareshkumar Patel, Datta Madamwar, Niraj Kumar Singh	DEPARTMENT OF BIOSCIENCE	3 Biotech	2020	2190-5738	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-020-02485-x	
In vitro regeneration competency of Crataeva nurvala (Buch Ham) callus	M M Kher, M Nataraj	Department of Biosciences, Sardar Patel University, Vadtal Road, Postbox No. 39, Vallabh Vidyanagar, Gujarat 388120, India	Vegetos	2020	2229-4473	https://www.springer.com/journal/42535	https://www.scopus.com/record/display.uri?eid=2-s2.0-85075364977&origin=resultslist&sort=tp-t&src=s&sid=2bd1838de16a01eb7cac1910983a8667&sot=b&sdt=b&sl=67&s=TITLE-ABS-KEY%28In+vitro+regeneration+competency+of+Crataeva+nurvala%29&relpos=0&citeCnt=1&searchTerm=	Scopus
Screening and Optimization of Agro-industrial wastes for glycoprotein biosurfactant production from Sphingobacterium thalpophilum DP9	JYOTI SOLANKI, Dhaval Patel, Snehal Ingale, M Nataraj	DEPARTMENT OF BIOSCIENCE	Research Square	2020		https://www.researchsquare.com/article/rs-32779/v1	https://assets.researchsquare.com/files/rs-32779/v1/c6675a5a-0592-4f27-b926-a8e3ad46f729.pdf?c=1637243039	
Indian sarsaparilla, Hemidesmus indicus (L.) R. Br. ex Schult: tissue culture studies	Mafatlal M Kher, Mahipal S Shekhawat, M Nataraj, Jaime A Teixeira da Silva	DEPARTMENT OF BIOSCIENCE	Applied Microbiology and Biotechnology	2020	0175-7598	https://www.springer.com/journal/253	https://link.springer.com/article/10.1007/s00253-020-10714-9	

Antibiotic sensitivity and RAPD-PCR studies on cultivable gut bacteria from Indian Medicinal Leech—Hirudinaria granulosa	Dhaval Patel, Khushbu Koriya, Pinkal Patel, Jyoti Solanki, Suresh Mesara, M Nataraj	DEPARTMENT OF BIOSCIENCE	The Journal of Basic and Applied Zoology	2020	2090-990X	https://basicandappliedzoology.springeropen.com/	https://basicandappliedzoology.springeropen.com/articles/10.1186/s41936-020-00143-5	
"Pentoxifylline: an immunomodulatory drug for the treatment of COVID-19.	Dhameliya, H., V. Thakkar, G. Trivedi, S. Mesara, and R. Subramanian	DEPARTMENT OF BIOSCIENCE	J Pure Appl Microbiol	2020	2581-690X	https://microbiologyjournal.org/	https://pdfs.semanticscholar.org/de4b/9e1a5ec3c78782f5d1c39bef79666906e52b.pdf	
Biochemical and Molecular Characterization of Lactic Acid Bacteria (LAB) Isolated from Fermented Pulses	Hiren A. Dhameliya, Sureshkumar N. Mesara, Himanshu Mali, Chandni Shah & Ramalingam Bagavathi Subramanian	DEPARTMENT OF BIOSCIENCE	Iranian Journal of Science and Technology, Transactions A: Science	2020	40995	https://www.springer.com/journal/40995	https://link.springer.com/article/10.1007/s40995-020-00934-z	
Biological Control of Soilborne Diseases and Water Stress Management in Groundnut	Dhruti Amin, Abhishek Sharma, Sanket Ray, Siva Satya Mohan Jampala	DEPARTMENT OF BIOSCIENCE	Microbial Mitigation of Stress Response of Food Legumes	2020	9.781E+12	https://www.taylorfrancis.com/books/edit/10.1201/9781003028413/microbial-mitigation-stress-response-food-legumes-amaresan-senthilkumar-murugesan-krishna-kumar-sankaranarayanan?refId=90eba7e4-0111-4cfa-932b-2384b68af6f6&context=ubx	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003028413-13/biological-control-soilborne-diseases-water-stress-management-groundnut-dhruti-amin-abhishek-sharma-sanket-ray-siva-satya-mohan-jampala	
Influence of pre-harvest foliar spray of fungal culture filtrates on post-harvest biology of date fruit harvested at Khalal stage	Khyati Bhatt, Siva Satya Mohan Jampala	DEPARTMENT OF BIOSCIENCE	Postharvest Biology and Technology	2020	0925-5214	https://www.sciencedirect.com/journal/postharvest-biology-and-technology	https://www.sciencedirect.com/science/article/abs/pii/S0925521420300636	
Photosensitisation combined with ozone gas delays the postharvest ripening of stored tomato	More S., Ramana Rao T.V.	Department of Biosciences	International Journal of Postharvest Technology and Innovation	2020	1744-7550	https://www.inderscience.com/jhome.php?jcode=ijpti	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091414488&doi=10.1504%2fIJPTI.2020.108743&partnerID=40&md5=9511b27fd8c835b4cc5d850f512a1cdd	Scopus
Kitchen waste for economical amylase production using Bacillus amyloliquefaciens KCP2	Bhumi Bhatt, Vimal Prajapati, Kamlesh Patel, Ujjval Trivedi	DEPARTMENT OF BIOSCIENCE	Biocatalysis and Agricultural Biotechnology	2020	1878-8181	https://www.sciencedirect.com/journal/biocatalysis-and-agricultural-biotechnology	https://www.sciencedirect.com/science/article/abs/pii/S1878818119317384	
Enhanced lipase production from organic solvent tolerant Pseudomonas aeruginosa UKHL1 and its application in oily waste-water treatment	Harsh Patel, Sanket Ray, Ajit Patel, Kamlesh Patel, Ujjval Trivedi	DEPARTMENT OF BIOSCIENCE	Biocatalysis and Agricultural Biotechnology	2020	1878-8182	https://www.sciencedirect.com/journal/biocatalysis-and-agricultural-biotechnology	https://www.sciencedirect.com/science/article/abs/pii/S1878818120308963	
Optimization of organic solvent-tolerant lipase production by Acinetobacter sp. UBT1 using deoiled castor seed cake	Radhika Patel, Vimal Prajapati, Ujjval Trivedi, Kamlesh Patel	DEPARTMENT OF BIOSCIENCE	3 Biotech	2020	2190-5738	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-020-02501-0	
Decoding social behaviors in a glycerol dependent bacterial consortium during Reactive Blue 28 degradation	Nanjani S., Rawal K., Keharia H.	Department of Biosciences	Brazilian Journal of Microbiology	2020	1517-8382	https://www.springer.com/journal/42770	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085902975&doi=10.1007%2fs42770-020-00303-3&partnerID=40&md5=4f8e0b4cb40f8e1beb8586d693f2aa27	Scopus
Complete genome sequencing and comparative genome characterization of the lignocellulosic biomass degrading bacterium Pseudomonas stutzeri MP4687 from cattle rumen	Maulik Patel, Hiral M Patel, Nasim Vohra, Sanjay Dave	Department of Biotechnology, Hemchandracharya North Gujarat University, Patan	Biotechnology Reports	2020	2215-017X	https://www.journals.elsevier.com/biotechnology-reports	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090754615&doi=10.1016%2fj.btre.2020.e00530&partnerID=40&md5=61820ebf53dc11e8b911422e04bb902e	Scopus
Determination of bioethanol production potential from lignocellulosic biomass using novel Cel-5m isolated from cow rumen metagenome	Maulik Patel, Hiral M Patel, Nasim Vohra, Sanjay Dave	Department of Biotechnology, Hemchandracharya North Gujarat University, Patan	International Journal of Biological Macromolecules	2020	0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076628476&doi=10.1016%2fj.ijbiomac.2019.10.240&partnerID=40&md5=d7e27b3df4d71c3e4b412d3219b4f268	Scopus

Bipyrazole based novel bimetallic μ-oxo bridged Au (III) complexes as potent DNA interacalative, genotoxic, anticancer, antibacterial and cytotoxic agents	Darshana N Kanthecha, Bhupesh S Bhatt, Mohan N Patel, Dilip B Raval, Vasudev R Thakkar, Foram U Vaidya, Chandramani Pathak	Department of Biosciences	Journal of Inorganic and Organometallic Polymers and Materials	2020	1574-1443	https://www.springer.com/journal/10904	https://link.springer.com/article/10.1007/s10904-020-01618-2	
A review on the novel coronavirus disease based on in-silico analysis of various drugs and target proteins	Trivedi G.N., DhameliyaGauravi N Trivedi, Janhavi T Karlekar, Hiren A Dhameliya, Hetalkumar Panchal H.A., Panchal H.	Department of Biosciences	Journal of Pure and Applied Microbiology	2020	0973-7510	https://microbiologyjournal.org/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088138733&doi=10.22207%2fJPAM.14.SPL1.22&partnerID=40&md5=d610cc7b4b770e97984eea4231b70008	Scopus
Novel variant in NSDHL gene associated with CHILD syndrome and syndactyly-a	D Hettiarachchi, Hetalkumar Panchal, PS Lai, VHW Dissanayake	Department of Biosciences	BMC Medical Genetics	2020	1471-2350	https://bmcmedgenet.biomedcentral.com/	https://bmcmedgenet.biomedcentral.com/track/pdf/10.1186/s12881-020-01094-y.pdf	
Antibiotic susceptibility testing and antimicrobial compound production potential study of bacteria isolated from Periplaneta americana	Nidhi H Rav, Hetal K Panchal	Department of Biosciences	Mukt Shabd J	2020	2347-3150	http://shabdbooks.com/	http://shabdbooks.com/gallery/348-june2020.pdf	
Identification and analysis of common target proteins for vector borne diseases using Bioinformatics approach	Khushbu Dhimmar, Gauravi Trivedi, Hetalkumar Panchal	Department of Biosciences	Proceedings of the National Conference on Innovations in Biological Sciences (NCIBS)	2020		https://papers.ssrn.com/sol3/PIP_Journal.cfm?pip_jrnl=3501813	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3565190	
Molecular interaction studies of garlic active compound for lowering down the blood pressure using bioinformatics approach	Preyashi Mistry, Hetalkumar Panchal	Department of Biosciences	Proceedings of the National Conference on Innovations in Biological Sciences (NCIBS)	2020		https://papers.ssrn.com/sol3/PIP_Journal.cfm?pip_jrnl=3501814	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3560793	
In-Silico Study on Apoptosis Inducing Mechanism of Phytochemicals to Regulate RAS Related G-Proteins Using FDBB Approach	Janhavi Karlekar, Gauravi Trivedi, Hetalkumar Panchal	Department of Biosciences	Proceedings of the National Conference on Innovations in Biological Sciences (NCIBS)	2020		https://papers.ssrn.com/sol3/PIP_Journal.cfm?pip_jrnl=3501815	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3570339	
Six Novel ATM gene variants in Sri Lankan patients with ataxia telangiectasia	D Hettiarachchi, Hetalkumar Panchal, BAPS Pathirana, PD Rathnayaka, A Padeniya, PS Lai, VHW Dissanayake	Department of Biosciences	Case reports in genetics	2020	2090-6552	https://www.hindawi.com/journals/crig/	https://www.hindawi.com/journals/crig/2020/6630300/	
2021	**2021**	**2021**	**2021**	**2021**	**2021**	**2021**	**2021**	**2021**
Therapeutic potential of bioactive compounds from Punica granatum extracts against aging and complicity of FOXO orthologue DAF-16 in Caenorhabditis elegans	Mukesh G Chaubey, Anita P Chauhan, Pooja R Chokshi, Rahi S Amin, Stuti N Patel, Datta Madamwar, Rajesh P Rastogi, Niraj Kumar Singh	Department of Biosciences	EXCLI journal	2021	1611-2156	https://www.ncbi.nlm.nih.gov/pmc/journals/2730/	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7838930/	
Eco-Sustainable Bioremediation of Textile Dye Wastewaters: Innovative Microbial Treatment Technologies and Mechanistic Insights of Textile Dye Biodegradation	Chirayu Desai, Kunal R Jain, Raj Boopathy, Eric D van Hullebusch, Datta Madamwar	Department of Biosciences	Frontiers in Microbiology	2021	1664302X	https://www.ncbi.nlm.nih.gov/pmc/?term=%22Frontr%20Microbiol%22[journal]	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8339714/	

Performance and biofilm-associated bacterial community dynamics of an upflow fixed-film microaerophilic-aerobic bioreactor system treating raw textile effluent	Rohit Rathour, Kunal Jain, Datta Madamwar, Chirayu Desai	Department of Biosciences	Journal of Cleaner Production	2021	0959-6526	https://www.sciencedirect.com/journal/journal-of-cleaner-production	https://www.sciencedirect.com/science/article/abs/pii/S0959652621006004	
Electroactive bacterial community augmentation enhances the performance of a pilot scale constructed wetland microbial fuel cell for treatment of textile dye wastewater	Dishant Patel, Sweta L Bapodra, Datta Madamwar, Chirayu Desai	Department of Biosciences	Bioresource Technology	2021	0960-8524	https://www.sciencedirect.com/journal/bioresource-technology	https://www.sciencedirect.com/science/article/abs/pii/S0960852421004272	
Peteryoungia gen. nov. with four new species combinations and description of Peteryoungia desertarenae sp. nov., and taxonomic revision of the genus Ciceribacter based on phylogenomics of Rhizobiaceae	Praveen Rahi, Mitesh Khairnar, Ashwini Hagir, Avinash Narayan, Kunal R Jain, Datta Madamwar, Aabeejjeet Pansare, Yogesh Shouche	Department of Biosciences	Archives of Microbiology	2021	0302-8933	https://www.springer.com/journal/203	https://link.springer.com/article/10.1007/s00203-021-02349-9	
White Rann of Kachchh harbours distinct microbial diversity reflecting its unique biogeography	Prachi Singh, Kunal R Jain, Varun Shah, Datta Madamwar	Department of Biosciences	Science of The Total Environment	2021	0048-9697	https://www.sciencedirect.com/journal/science-of-the-total-environment	https://www.sciencedirect.com/science/article/abs/pii/S0048969721021641	
Advanced Bioremediation Technologies and Processes for the Treatment of Synthetic Organic Compounds (SOCs)	Kunal R Jain, Chirayu Desai, Eric D van Hullebusch, Datta Madamwar	Department of Biosciences	Frontiers in Bioengineering and Biotechnology	2021	2296-4185	https://www.frontiersin.org/journals/bioengineering-and-biotechnology	file:///C:/Users/PGB/Downloads/fbioe-09-721319.pdf	
Metagenomic insights into bacterial communities' structures in polycyclic aromatic hydrocarbons degrading consortia	Avani Bharatkumar Patel, Toral Manvar, Kunal R Jain, Chirayu Desai, Datta Madamwar	Department of Biosciences	Journal of Environmental Chemical Engineering	2021	2213-3437	https://www.sciencedirect.com/journal/journal-of-environmental-chemical-engineering	https://www.sciencedirect.com/science/article/abs/pii/S2213343721015554	
The effect of additional additives on the axillary shoot micropropagation of medicinal plant Aegle marmelos (L.) Corrêa	Shubhjeet Mandal, Abhishek Parsai, Piyush Kumar Tiwari, M Nataraj	Department of Biosciences	World News of Natural Sciences	2021	2543-5426	https://agro.icm.edu.pl/agro/element/bwmeta1.element.agro-a7d98987-49cf-4f2f-a2af-a063a7ad29c9	https://agro.icm.edu.pl/agro/element/bwmeta1.element.agro-0c6b0e99-f2c6-4fa4-8191-2588e20f58e3	
A critical appraisal on the recurrence of sandalwood spike disease and its management practices	Teixeira JA da Silva, MM Kher, D Soner, M Nataraj	Department of Biosciences	FOREST PATHOLOGY	2021	1439-0329	https://onlinelibrary.wiley.com/journal/14390329	https://onlinelibrary.wiley.com/doi/abs/10.1111/efp.12648	
Synergistic effect of Aloe gel (Aloe vera L.) and Lemon (Citrus Limon L.) peel extract edible coating on shelf life and quality of banana (Musa spp.)	Kaushik A Jodhani, M Nataraj	Department of Biosciences	Journal of Food Measurement and Characterization	2021	2193-4126	https://www.springer.com/journal/11694	https://link.springer.com/article/10.1007/s11694-021-00822-z	
Tissue culture of Indian rosewood (Dalbergia latifolia Roxb.)	Mafatlal M Kher, M Nataraj, AN Arun Kumar, Viji Sitther, Mahipal S Shekhawat, Rekha R Warrier, Jaime A Teixeira da Silva	Department of Biosciences	Biologia	2021	0006-3088	https://www.springer.com/journal/11756	https://link.springer.com/article/10.1007/s11756-021-00914-7	
Zymographic identification and biochemical characterization of chitinase against phytofungal pathogens	Urja Pandya, Ankit Sudhir, Hardik Gohel, RB Subramanian, Meenu Saraf	Department of Biosciences	Journal of Microbiology, Biotechnology and Food Sciences	2021	1338-5178	https://www.jmbfs.org/	https://www.jmbfs.org/issue/august-september-2014-vol-4-no-1/jmbfs_0605_pandya/?issue_id=3480&article_id=11	
Cellulases production under solid state fermentation using agro waste as a substrate and its application in saccharification by Trametes hirsuta NCIM	Bhaumik R Dave, Pritesh Parmar, Ankit Sudhir, Neetu Singal, RB Subramanian	Department of Biosciences	Journal of Microbiology, Biotechnology and Food Sciences	2021	1338-5179	https://www.jmbfs.org/	https://www.jmbfs.org/issue/december-january-201415-vol-4-no-3/jmbfs-0664-baumik/?issue_id=3665&article_id=4	

Application of pyraclostrobin enhances growth, quality, and yield of tomato	Sureshkumar Mesara, Himanshu Mali, Chandni Shah, Hiren Dhameliya, Ramalingam Bagavathi Subramanian	Department of Biosciences	Science & Technology Asia	2021	2586-9000	https://ph02.tci-thaijo.org/index.php/SciTechAsia/index	https://ph02.tci-thaijo.org/index.php/SciTechAsia/article/view/241337	
SCREENING OF SELECTED PLANT EXTRACTS FOR THEIR LOCALIZATION OF PHYTOCHEMICALS AND ANTIMICROBIAL ACTIVITY	Jancy Mathew, Jampala Siva Satya Mohan, Vinay M Raole	Department of Biosciences	World Journal of Pharmaceutical Research	2021	2277–7105	https://www.wjpr.net/	https://wjpr.s3.ap-south-1.amazonaws.com/article_issue/66417d10db2684d7b85dcf5b30c7e180.pdf	
Detection of leaf spot disease of banana caused by Alternaria sp. in Gujarat, India	Zalak M Patel, Siva Satya Mohan Jampala	Department of Biosciences	Archives of Phytopathology and Plant Protection	2021	1477-2906	https://www.tandfonline.com/journals/gapp20	https://www.tandfonline.com/doi/abs/10.1080/03235408.2021.1911570	
Draft genome analysis of acinetobacter indicus strain UBT1, an efficient lipase and biosurfactant producer	Radhika K Patel, Ravi K Shah, Vimal S Prajapati, Kamlesh C Patel, Ujjval B Trivedi	Department of Biosciences	Current Microbiology	2021	0343-8651	https://www.springer.com/journal/284	https://link.springer.com/article/10.1007/s00284-021-02380-5	
Genome analysis reveals probiotic propensities of Paenibacillus polymyxa HK4	Riteshri Soni, Sandhya Nanjani, Hareshkumar Keharia	Department of Biosciences	Genomics	2021	0888-7543	https://www.sciencedirect.com/journal/genomics	sciencedirect.com/science/article/pii/S0888754320319765	
Genomics assisted functional characterization of Paenibacillus polymyxa HK4 as a biocontrol and plant growth promoting bacterium	Riteshri Soni, Khushboo Rawal, Hareshkumar Keharia	Department of Biosciences	Microbiological Research	2021	0944-5013	https://www.sciencedirect.com/journal/microbiological-research	https://www.sciencedirect.com/science/article/pii/S0944501321000409	
Phytostimulation and biocontrol potential of Gram-positive endospore-forming Bacilli	Riteshri Soni, Hareshkumar Keharia	Department of Biosciences	Planta	2021	0032-0935	https://www.springer.com/journal/425	https://link.springer.com/article/10.1007/s00425-021-03695-0	
Genome assisted probiotic characterization and application of Bacillus velezensis ZBG17 as an alternative to antibiotic growth promoters in broiler chickens	Riteshri Soni, Hareshkumar Keharia, Anjali Bose, Ninad Pandit, Jayraj Doshi, SV Rama Rao, SS Paul, MVLN Raju	Department of Biosciences	Genomics	2021	0888-7543	https://www.sciencedirect.com/journal/genomics	https://www.sciencedirect.com/science/article/pii/S088875432100375X	
Genome analysis to decipher syntrophy in the bacterial consortium 'SCP' for azo dye degradation	Sandhya Nanjani, Dhiraj Paul, Hareshkumar Keharia	Department of Biosciences	BMC microbiology	2021	1471-2180	https://bmcmicrobiol.biomedcentral.com/	https://link.springer.com/article/10.1186/s12866-021-02236-9	
Synthesis, characterization, and biological applications of pyrazole moiety bearing osmium (IV) complexes	Bharat H Pursuwani, Bhupesh S Bhatt, Dilip B Raval, Vasudev R Thakkar, Jyoti Sharma, Chandramani Pathak, Mohan N Patel	Department of Biosciences	Nucleosides, Nucleotides & Nucleic Acids	2021	1532-2335	https://www.tandfonline.com/journals/lncn20	https://www.tandfonline.com/doi/abs/10.1080/15257770.2021.1921795	
Induction of pre-chorismate, jasmonate and salicylate pathways by Burkholderia sp. RR18 in peanut seedlings	Ravikumar R Patel, Disha D Patel, Jaimika Bhatt, Parth Thakor, Lindsay R Triplett, Vasudev R Thakkar	Department of Biosciences	Journal of Applied Microbiology	2021	1365-2672	https://sfamjournals.onlinelibrary.wiley.com/journal/13652672	https://sfamjournals.onlinelibrary.wiley.com/doi/abs/10.1111/jam.15019	
Fbdd: In-silico strategy to inhibit mpro activity using drugs from previous outbreaks	Gauravi N Trivedi, Janhavi T Karlekar, Khushbu Dhimmar, Hetalkumar Panchal	Department of Biosciences	Journal of Experimental Biology and Agricultural Sciences	2021	2320 – 8694	https://jebas.org/ojs/index.php/jebas	https://www.researchgate.net/profile/Janhavi-Karlekar-2/publication/354275079_FBDD_In-silico_STRATEGY_TO_INHIBIT_MPRO_ACTIVITY_USING_DRUGS_FROM_PREVIOUS_OUTBREAKS/links/61335339c69a4e48797a68d9/FBDD-In-silico-STRATEGY-TO-INHIBIT-MPRO-ACTIVITY-USING-DRUGS-FROM-PREVIOUS-OUTBREAKS.pdf	