3.3.1 Number of research papers published per teacher in the Journals notified on UGC CARE list during the last five years							
Title of paper	**Name of the author/s**	**Department of the teacher**	**Name of journal**	**Calendar Year of publication**	**ISSN number**	**Link to article / paper / abstract of the article**	**Is it listed in UGC Care list**
Pod quality, yields responses and water productivity of okra (*Abelmoschusesculentus* L.) as affected by plant growth regulators and deficit irrigation	Sunil G Dalvi	Department of Tissue Culture	Agricultural Water Management	2022-2023	1873-2283	https://doi.org/10.1016/j.agwat.2023.108267	Yes
Role of chitosan nanoparticles in combating Fusarium wil t (Fusariumoxysporum f. sp. ciceri) of chickpea under changing climatic conditions	Sunil G Dalvi	Department of Tissue Culture	Journal of Phytopathology	2022-2023	1439-0434	https://doi.org/10.1111/jph.13159	Yes
Studying the incidence and distribution of the grape powdery mildew disease in Maharashtra state's primary grape-	Sunil G Dalvi	Department of Tissue Culture	The Pharma Innovation Journal	2022-2023	2349-8242	https://www.thepharmajournal.com/special-issue?year=2022&vol=11&issue=9S&ArticleId=15439	Yes
Survey for occurrence and distribution of downy mildew disease of grape in major grape growing areas of Maharashtra state	Sunil G Dalvi	Department of Tissue Culture	The Pharma Innovation Journal	2022-2023	2349-8242	https://www.thepharmajournal.com/special-issue?year=2022&vol=11&issue=9S&ArticleId=15267	Yes
Bio-circular economy: An opportunity for diversification for sugar industries in compressed biogas (CBG) and organic fertilizer production	Sanjay Patil	Department of Alcohol Technology & Biofuels	Sugar Tech	2022-2023	0972-1525	https://doi.org/10.1007/s12355-022-01130-6	Yes

Bio-circular economy: An opportunity for diversification for sugar industries in compressed biogas (CBG) and organic fertilizer production	Kakasaheb Konde	Department of Alcohol Technology & Biofuels	Sugar Tech	2022-2023	0972-1525	https://doi.org/10.1007/s12355-022-01130-6	Yes
Bio-circular economy: An opportunity for diversification for sugar industries in compressed biogas (CBG) and organic fertilizer production	Shuvashish Behera	Department of Alcohol Technology & Biofuels	Sugar Tech	2022-2023	0972-1525	https://doi.org/10.1007/s12355-022-01130-6	Yes
A review on opportunities and limitations of membrane bioreactor configuration in biofuels	Shuvashish Behera	Department of Alcohol Technology & Biofuels	Applied Biochemistry and Biotechnology	2022-2023	0273-2289	https://doi.org/10.1007/s12010-022-03955-z	Yes
Passive immunization with equine RBD-specific Fab protects K18-hACE2-mice against Alpha or Beta variants of SARS-CoV-2	Devarumath R	Department of Molecular Biology & Genetic Engineering	Front. Immunol.	2022-2023	1664-3224	https://doi.org/10.3389/fimmu.2022.948431	Yes
Advances in Crop Breeding Through Precision Genome Editing. Front Genet	Devarumath R	Department of Molecular Biology & Genetic Engineering	Front Genet	2022-2023	1664-8021	https://doi.org/10.3389/fgene.2022.880195	Yes
In vitro effect of chitosan nanoparticles on wilt disease resistance of chickpea by seedlings root feeding of *Fusarium oxysporum* f. sp. *Cicero.*	Sunil G Dalvi	Department of Tissue Culture	The Pharma Innovation	2022-2023	2349-8242	https://www.thepharmajournal.com/archives/?year=2023&vol=12&issue=1&ArticleId=18204	Yes
Biosurfactants Multifarious Functional Potential for Sustainable Agricultural Practices.	Sunil G Dalvi	Department of Tissue Culture	Frontiers in Bioengineering and Biotechnology.	2022-2023	2296-4185	https://doi.org/10.3389/fbioe.2022.1047279	Yes

Synergistic activity of rhamnolipid biosurfactant and nanoparticles synthesized using fungal origin chitosan against phytopathogens	Sunil G Dalvi	Department of Tissue Culture	Frontiers in Bioengineering and Biotechnology	2022-2023	2296-4185	https://doi.org/10.3389/fbioe.2022.917105	Yes
β-glucan and its nanocomposites in sustainable agriculture and environment: An overview of mechanisms and applications	Sunil G Dalvi	Department of Tissue Culture	Environmental Science and Pollution Research	2022-2023	0944-1344	https://doi.org/10.1007/s11356-022-20938-z	Yes
Chitosan and its derivatives: Promising biomaterial in averting fungal diseases of sugarcane and other crops	Sunil G Dalvi	Department of Tissue Culture	Journal of Basic Microbiology	2021-2022	1521-4028	https://doi.org/10.1002/jobm.202100613	Yes
Radiation induced mutagenesis, physio-biochemical profiling and field evaluation of mutants in sugarcane cv. CoM 0265	Devarumath Rachayya M.	Department of Molecular Biology & Genetic Engineering	International Journal of Radiation Biology	2021-2022	0955-3002	https://pubmed.ncbi.nlm.nih.gov/34982642/	Yes
Electron Beam Irradiated Chitosan elicits enhanced antioxidant properties combating resistance to Purple Blotch Disease (Alternaria porri) in Onion (Allium cepa).	Sunil G Dalvi	Department of Tissue Culture	International Journal of Radiation Biology	2021-2022	0955-3002	https://doi.org/10.1080/09553002.2021.1987569	Yes
Life cycle and economic assessment of sugarcane bagasse valorization to lactic acid	Kakasaheb Konde	Department of Alcohol Technology & Biofuels	Waste Management	2021-2022	1879-2456	https://doi.org/10.1016/j.wasman.2021.02.052	Yes

Life cycle and economic assessment of sugarcane bagasse valorization to lactic acid	Sanjay Patil	Department of Alcohol Technology & Biofuels	Waste Management	2021-2022	1879-2456	https://doi.org/10.1016/j.wasman.2021.02.052	Yes
Isolation and HPLC assisted quantification of two iridoid glycoside compounds and molecular DNA fingerprinting in critically endangered medicinal *Picrorhiza kurroa* Royle ex Benth: implications for conservation	Devarumath Rachayya M.	Department of Molecular Biology & Genetic Engineering	Physiol Mol Biol Plants	2021-2022	0971-5894	https://pubmed.ncbi.nlm.nih.gov/33967459/	Yes
γ-Irradiated chitosan mediates enhanced synthesis and antimicrobial properties of chitosan–silver (Ag) nanocomposites	Sunil G Dalvi	Department of Tissue Culture	ACS omega	2021-2022	2740-1343	https://doi.org/10.1021/acsomega.1c05358	Yes
EMS-Based In Vitro Mutagenesis and Mutant Screening for Smut Resistance with Agronomic Traits in Sugarcane	Sunil G Dalvi	Department of Tissue Culture	Sugar Tech	2020-2021	0972-1525	https://doi.org/10.1007/s12355-020-00931-x	Yes
Assessment of multiple pretreatment strategies for 2G L-lactic acid production from sugarcane bagasse	Shuvashish Behera	Department of Alcohol Technology & Biofuels	Biomass Conversion and Biorefinery	2020-2021	2190-6815	https://doi.org/10.1007/s13399-020-01163-5	Yes
Assessment of multiple pretreatment strategies for 2G L-lactic acid production from sugarcane bagasse	Kakasaheb Konde	Department of Alcohol Technology & Biofuels	Biomass Conversion and Biorefinery	2020-2021	2190-6815	https://doi.org/10.1007/s13399-020-01163-5	Yes

Assessment of multiple pretreatment strategies for 2G L-lactic acid production from sugarcane bagasse	Sanjay Patil	Department of Alcohol Technology & Biofuels	Biomass Conversion and Biorefinery	2020-2021	2190-6815	https://doi.org/10.1007/s13399-020-01163-5	Yes
Evaluation of alternative strategies for generating fermentable sugars from high-solids alkali pretreated sugarcane bagasse and successive valorization to L (+) lactic acid	Kakasaheb Konde	Department of Alcohol Technology & Biofuels	Renewable Energy	2020-2021	0960-1481	https://doi.org/10.1016/j.renene.2020.05.089	Yes
Evaluation of alternative strategies for generating fermentable sugars from high-solids alkali pretreated sugarcane bagasse and successive valorization to L (+) lactic acid	Sanjay Patil	Department of Alcohol Technology & Biofuels	Renewable Energy	2020-2021	0960-1481	https://doi.org/10.1016/j.renene.2020.05.089	Yes
Biomethanation of high solid containing distillery spentwash using developed acclimatized microbial consortia	Raghunath Burase	Department of Alcohol Technology & Biofuels	Pollution Research	2020-2021	0257-8050	http://www.envirobiotechjournals.com/article_abstract.php?aid=11075&iid=323&jid=4	Yes
Biomethanation of high solid containing distillery spentwash using developed acclimatized microbial consortia	Sanjay Patil	Department of Alcohol Technology & Biofuels	Pollution Research	2020-2021	0257-8050	http://www.envirobiotechjournals.com/article_abstract.php?aid=11075&iid=323&jid=4	Yes
Sugarcane Bagasse based biorefineries in India: potential and challenges	Kakasaheb Konde	Department of Alcohol Technology & Biofuels	Sustainable Energy & Fuels	2020-2021	2398-4902	https://doi.org/10.1039/D0SE01332C	Yes
Sugarcane Bagasse based biorefineries in India: potential and challenges	Sanjay Patil	Department of Alcohol Technology & Biofuels	Sustainable Energy & Fuels	2020-2021	2398-4902	https://doi.org/10.1039/D0SE01332C	Yes

Transcriptional reprogramming and enhanced photosynthesis drive inducible salt tolerance in sugarcane mutant M4209	Devarumath Rachayya M.	Department of Molecular Biology & Genetic Engineering	Journal of Experimental Botany	2020-2021	1477-9145	https://doi.org/10.1093/jxb/eraa339	Yes
Rapid Profiling for Sugar Estimation in Sugarcane by Using HPLC-RI and Genetic Evaluation by Using RAPD Molecular Markers	Devarumath RM	Department of Molecular Biology & Genetic Engineering	Indian Journal of Biotechnology and Pharmaceutical Research	2020-2021	2347-3266	https://www.ijbpr.in/wp-content/uploads/2021/08/Sachim-09-02-2021.pdf	Yes
Effect of enzymatic hydrolysis on structural, chemical and elemental properties of sweet potato root flour	Shuvashish Behera	Department of Alcohol Technology & Biofuels	Waste and Biomass Valorization	2019-2020	1877-2641	https://doi.org/10.1007/s12649-020-00984-9	Yes
Genetic variation and survival of *Erysiphe necator* in tropical India	Devarumath RM	Department of Molecular Biology & Genetic Engineering	Tropical Plant Pathology	2019-2020	1982-5676	https://doi.org/10.1007/s40858-019-00302-2	Yes
Gamma radiation degradation of chitosan for application in growth promotion and induction of stress tolerance in potato (*Solanum tuberosum* L.)	Sunil G Dalvi	Department of Tissue Culture	Carbohydrate Polymers	2019-2020	0144-8617	https://doi.org/10.1016/j.carbpol.2019.01.056	Yes
Isolation and identification of three new mycroparasites of *Erysiphe necator* for biological control of grapevine powdery mildew	Devarumath RM	Department of Molecular Biology & Genetic Engineering	Australasian Plant Pathology	2019-2020	1448-6032	https://doi.org/10.1007/s13313-019-00636-0	Yes

Isolation of Thiobacillus Species from Distillery Spentwash and Its Sulfide Oxidation Activity	Raghunath Burase	Department of Alcohol Technology & Biofuels	International Journal of Pharmacy and Biological Sciences	2018-2019	2230-7605	ijpbsspecial_5d45bc04934a5.pdf	Yes
Isolation of Thiobacillus Species from Distillery Spentwash and Its Sulfide Oxidation Activity	Sanjay Patil	Department of Alcohol Technology & Biofuels	International Journal of Pharmacy and Biological Sciences	2018-2019	2230-7605	ijpbsspecial_5d45bc04934a5.pdf	Yes
Detection of resistance to demethylation inhibitor fungicides in *Erysiphe necator* from tropical India by biological and molecular assays	Devarumath RM	Department of Molecular Biology & Genetic Engineering	Indian Phytopathology	2018-2019	2248-9800	https://doi.org/10.1007/s42360-018-0075-2	Yes
Assessment the utility of TRAP and EST-SSR markers for genetic diversity analysis of sugarcane genotypes.	Devarumath RM	Department of Molecular Biology & Genetic Engineering	Cytology and Genetics	2018-2019	0095-4527	https://doi.org/10.3103/S0095452718060026	Yes
Detection of G143A mutation in *Erysiphe necator* and its implications for powdery mildew management in grapes	Devarumath RM	Department of Molecular Biology & Genetic Engineering	Indian J. Horticulture	2018-2019	0972-8538	https://journal.iahs.org.in/index.php/ijh/article/view/278	Yes
Assessment of genetic diversity among different sugarcane genotypes using internal transcribed spacer (ITS) region of the ribosomal DNA (rDNA)	Devarumath RM	Department of Molecular Biology & Genetic Engineering	GSC Biological and pharmaceutical Sciences	2018-2019	2581-3250	https://doi.org/10.30574/gscbps.2018.5.2.0108	Yes

Molecular characterization of sugarcane genotypes for their salinity and susceptibility using TRAP markers	Devarumath RM	Department of Molecular Biology & Genetic Engineering	International Journal of Current Research	2018-2019	0975-833X	https://journalcra.com/article/molecular-characterization-sugarcane-genotypes-their-salinity-and-susceptibility-using-trap	Yes
Plant regeneration from direct and indirect organogenesis and assessment of genetic fidelity in Saccharum officinarum L. using DNA-based markers	Devarumath RM	Department of Molecular Biology & Genetic Engineering	Bioscience Biotechnology Research Communications	2018-2019	2321-4007	https://bbrc.in/bbrc/2018Jan-March-Vol11-1-pdf/BBRC18_009.pdf	Yes