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 the recognition in UGC enlistment of**	
						Link to website of the Journal	**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://www.sciencedirect.com/journal/agricultural-water-management	Yes
Role of chitosan nanoparticles in combating Fusarium wilt (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://onlinelibrary.wiley.com/journal/14390434	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/	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/	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://link.springer.com/journal/12355	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://link.springer.com/journal/12355	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://link.springer.com/journal/12355	Yes
A review on opportunities and limitations of membrane bioreactor configuration in biofuels production	Shuvashish Behera	Department of Alcohol Technology & Biofuels	Applied Biochemistry and Biotechnology	2022-2023	0273-2289	https://link.springer.com/journal/12010	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://www.frontiersin.org/journals/immunology	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://www.frontiersin.org/journals/genetics	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/	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://www.frontiersin.org/journals/bioengineering-and-biotechnology	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://www.frontiersin.org/journals/bioengineering-and-biotechnology	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://link.springer.com/journal/11356	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://onlinelibrary.wiley.com/journal/15214028	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://www.tandfonline.com/journals/irab20	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://www.tandfonline.com/journals/irab20	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://www.sciencedirect.com/journal/waste-management	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://www.sciencedirect.com/journal/waste-management	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://link.springer.com/journal/12298	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://pubs.acs.org/toc/acsodf/8/49	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://link.springer.com/journal/12355	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://link.springer.com/journal/13399	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://link.springer.com/journal/13399	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://link.springer.com/journal/13399	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://www.sciencedirect.com/journal/renewable-energy	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://www.sciencedirect.com/journal/renewable-energy	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.environbiotechjournals.com/journal_details.php?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.environbiotechjournals.com/journal_details.php?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://pubs.rsc.org/en/journals/journalissues/se#!recentarticles	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://pubs.rsc.org/en/journals/journalissues/se#!recentarticles	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://academic.oup.com/jxb	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://ijbpr.in/	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://link.springer.com/journal/12649	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://link.springer.com/journal/40858	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://www.sciencedirect.com/journal/carbohydrate-polymers	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://link.springer.com/journal/13313	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	https://www.ijpbs.com/	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	https://www.ijpbs.com/	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://link.springer.com/journal/42360	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://link.springer.com/journal/11956	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/issue/view/13	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://gsconlinepress.com/journals/gscbps/	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/	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/	Yes

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