


Faculty Profile

Personal Details

Name	Dr. Gajanan Dadarao Gadade	
Designation	Extension Agronomist & Manager	
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Academic Qualifications

Degree	Specialization	University	Year of Passing
B.Sc.(Agri.)	Agriculture	MKV, Parbhani	1998
M.Sc.(Agri.)	Agronomy	MKV, Parbhani	2000
Ph.D.(Agri.)	Agronomy	VNMKV, Parbhani	2020
Additional Qualification(if any): Additional Degree/Diploma/NET/SET			
Certificate Course on computer concepts	MS Word, MS power point, MS Excel and Internet	DOEACC Society	2002

Professional Experience

Stream	Years	Stream	Years
Teaching	06	Research	08
Extension	06	Administration	-

Area of Research/Interest

Application of drone technology in field crops

Research Guidance

Degree	No. of Students Guided
M.Sc./M.Tech	08
Ph.D.	Nil

Research Accomplishments (Recent Ten Most Important Publications)

Sr.No	Title	Journal	ISSN/ISBN	NAAS Rating
01	G.D. Gadade, D.R. Kamble, A.S. Kadale and D.N. Gokhale (2015). Influence of irrigation levels and mulches on yield and water use efficiency of drip irrigated summer groundnut (<i>Arachis hypogea</i> L.).	<i>Multilogic in sci.</i> V (XIV): 34-38.	2277-7601	5.20
02	P.L. Thakare, G.D. Gadade and V.B. Awsarmal (2016). Studies on Potassium Management in Black gram (<i>Vigna Mungo</i> L.).	<i>Multilogic in Sci.</i> VI (XVIII): 204-206.	2277-7601	5.20
03	G.D. Gadade, R.V. Dhopte and U.M.	<i>Int.J. Curr.</i>	2319-7692	

	Khodke (2018). Effect of different spacing on growth and yield of BBF raised summer groundnut (<i>Arachis hypogea</i> L.) under drip irrigation)	<i>Microbial. App. Special Issue -5:</i> 593-597	(Print) 2319-7706 (Online)	5.38
04	D.R. Kamble, D.N. Gokhale, G.D. Gadade and P.B. Jadhav (2018). Yield and Economics of Summer Groundnut as Influenced by Different Irrigation Levels and Mulches,	<i>Int.J.Curr.Microbio l.App.Sci</i> (2018) Special Issue-6 :135-139	<i>ISSN: 2319-7706</i>	5.38
05	G.D.Gadade , U.M. Khodke, A.S.Kadale and K.T.Jadhav (2018). Yield and economics of drip irrigated turmeric (<i>Curcuma longa</i> L.) as influenced by irrigation and fertigation levels.	<i>Multilogic in sci. V</i> (XIV):	2277-7601	5.20
06	P.S. Pawar, A.S.Kadale and G.D. Gadade (2019) Effect of various mulches and irrigation levels on root zone temperature, growth and fruit yield of water melon. <i>Int. J. Curr. Microbiol.App.Sci</i> 8 (10): 2566-2576.	<i>Int. J. Curr. Microbiol.App.Sci</i> 8 (10): 2566-2576.	<i>ISSN: 2319-7706</i>	5.32
07	P.S. Pawar, A.S.Kadale and G.D. Gadade (2019). Effect of different mulches on soil moisture conservation and yield of drip irrigated water melon.	<i>Ind. J. Soil. Cons.</i> 47 (2): 30-38.	Print ISSN: 0970-3349 Online ISSN : 0976-1721	5.20
08	S.V. Pimple, A.S.Kadale and G.D. Gadade (2020). Effect of different irrigation regimes and polythene mulches on yield and economics of drip irrigated tomato (<i>Lycopersicum esculentum</i> Mill.)	<i>Int. J. Curr. Microbiol.App. Sci</i> 9 (9):2368-2375	<i>ISSN: 2319-7706</i> (5.38)	5.38
09	G.D. Gadade , D.N. Gokhale and A.S.Kadale (2022). Yield enhancement of pigeonpea [<i>Cajanus cajan</i> (L.) Millsp. through drip irrigation and fertigation management	<i>Legume research</i> 45 (4) : 462-468.DOI : 10.18805 / LR-4671	Print ISSN: 0250-5371 Online ISSN :0976-0571 (6.59)	6.59
10	S S Tandle, G D Gadade , S J Mamdi, P B Pawade and A B Pawar (2023). Effect of spacing and fertilizer levels on yield and economics of amaranth (<i>Amaranthus hypochondriacus</i> L.)	<i>The Pharma Innovation Journal</i> 2023; 12 (12): 1907-1909	Print ISSN: 2349-8242 Online ISSN 2277-8242 (5.23)	5.23

Credentials:

Particulars	Numbers	Particulars	Numbers
ResearchArticles	26	PopularArticles	27
Books / Booklets	02	BookChapters	04
Research/Technology Recommendations	13	VarietiesDeveloped	-
Patents	-	Abstracts Published	09
TechnicalPublication	03		

Significant Achievements(Top Five)

Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations	Year
1. It is recommended to irrigate the Bt. Cotton at 0.8 ETc on alternate day with 120 – 60 x 60 cm spacing and application of RDF (100 : 50 : 50 NPK kg ha ⁻¹) in which nitrogen and potash are applied through drip irrigation at an interval of 15 days from sowing to 90 DAS and phosphorus should be applied through SSP at sowing for higher yield and profit.	2011-12

2. For higher fresh rhizome yield, net monetary returns and B:C ratio of turmeric planted on 1.5 m wide raised bed with paired row planting (45 x 15 cm), it is recommended to schedule alternate day inline drip irrigation with 80% of cumulative pan evaporation. Similarly drip fertigation with 160:80:80 N, P ₂ O ₅ , K ₂ O kg/ha to turmeric with N in 5 equal splits @17.5% at an interval of 30 days from 30 DAP to 150 DAP while sixth dose of N @12.5 % at 180 DAP and P ₂ O ₅ and K ₂ O in 3 splits of 50%, 25% and 25 %, respectively at planting, 60 DAP and 120 DAP is recommended.	2016-17
3. For higher yields and net monetary returns of summer groundnut, it is recommended to adopt inline drip lateral laid at the centre of broad bed furrow (BBF) having top width of 90 cm and three rows of groundnut planted at 30 cm covered by transparent or black polythene mulch and daily irrigation scheduled at 100% of pan evaporation on medium deep soils of Marathwada region.	2016-17
4. For higher grain yield and net monetary returns of post <i>kharif</i> maize it is recommended to schedule alternate day drip irrigation at 80 % cumulative pan evaporation through inline lateral laid at 120 cm apart for paired rows (45x30 -75 cm) and drip fertigation of 113:57:57 NPK kg/ha; N in 8 equal splits @12.5% at an interval of 10 days from 10 to 80 days after sowing while P and K in 2 equal splits at sowing and 30 days after sowing.	2017-18
5. Scheduling of drip irrigation at 80% of crop evapotranspiration at alternate day through inline lateral laid at the centre of raised bed having top width of 90 cm and two rows of tomato sown at the spacing of 60 cm x 60 cm and covered by 30 micron silver black polythene mulch is recommended in Marathwada region for realizing higher fruit yield and net monetary returns of <i>rabi</i> tomato.	2019-20

Externally Funded Projects: Implemented/Handled/Assisted

1. As a Co-Principal Investigator, handled TMC–MM2.1 project - Standardization of Nutrient Management in *hirsutum* cotton under high density planting system sponsored by CICR, Nagpur.
2. As a Co-Principal Investigator, handled TMC–MM2.1 project - Standardization of Nutrient Management in *arboretum* cotton under high density planting system sponsored by CICR, Nagpur.
3. As a Project Incharge, implemented the product testing trial on “Effect of foliar & soil application of Humic acid (VIM 95%) on growth & yield of Bt. Cotton” sponsored by VIM, Rajkot.
4. As a Project Incharge, implemented the product testing trial on “Effect of foliar application of Protein Hydrolysate liquid 20% on growth & yield of Bt. Cotton ” sponsored by AIM, Pune .
5. As a Project Incharge, implemented the product testing trial on “Effect of soil application of Sea weed extract on growth & yield of Bt. Cotton” sponsored by AIM, Pune

Awards/Recognitions (Top Five)

1. Received Purva Krishidoot Best Marathi article award at Nashik in 2015
2. Received Best poster award in Fifth International Agronomy Congress on “Yield and economics of post *kharif* maize as influenced by different drip irrigation and fertigation levels” held at PJTSAU, Hyderabad during 23-27 November 2021.