

FacultyProfile

Personal Details

Name	Dr. Ganesh Kishanrao Gaikwad	
Designation	Associate Professor of SSAC	
E-Mail	mauacssganesh@gmail.com	
ContactNo	9421083549	

Academic Qualifications

Degree	Specialization	University	Year of Passing
B.Sc. (Agri.)	Agriculture	V.N.M.K.V., Parbhani	1999
M.Sc. (Soil Science & Agricultural Chemistry.)	Soil Science	V.N.M.K.V., Parbhani	2001
Ph. D. (SSAC)	Soil Science	N.A. U. Navsari, Gujarat	2015

Professional Experience

Stream	Years	Stream	Years
Teaching	07	Research	09
Extension	03	Administration	

Area of Research/Interest

Soil Fertility, Remote sensing and Nanotechnology

Research Guidance

Degree	No. of Student & Guided
M.Sc./M.Tech	18
Ph.D.	01

Research Accomplishments (Recent Ten Most Important Publications)

Sr.No	Title	Journal	ISSN/ISBN	NAAS Rating
01	Anuradha Pawar, P.B. Adsul and Ganesh Gaikwad (2015) Response of <i>kharif</i> sorghum to soil and foliar application of micronutrients with reference to growth and yield parameters.	<i>Journal of ecology, environment and conservation</i> , 21(1) pp. 115-118	ISSN 0971-765X	5.52
02	Anuradha Pawar, P.B. Adsul and Ganesh K. Gaikwad (2015) Nutrient content, uptake and biochemical composition on <i>kharif</i>	<i>Indian Journal of Dryland Agricultural Research and Development</i> .	ISSN 971-2062	5.20

	drought prone Marathwada area of Maharashtra			
03	Ganesh K. Gaikwad , A. Das, D.G. Jondhale, P. B. Adsul, Ajeet Puri (2015) Status of DTPA extractable cationic micronutrients and sulphur in soil under sugarcane ecosystem of Valsad area (South Gujarat)	<i>Multilogic in Science</i> Volume IV (XII) Oct 2015 pp 185-188.	ISSN 2277-7601	
04	P.B. Adsul, U.M. Khodke and Ganesh K. Gaikwad (2016) Yield potential and yield components of Rabi sorghum (<i>Sorghum bicolor</i> L. Moench) as influenced by drip irrigation	<i>Indian Journal of Dryland Agricultural Research and Development</i> , 31(02): 45-50	ISSN 971-2062	
05	Ganesh K. Gaikwad S.S. Mane, R.D. Dhutmal, B.V. Asewar, A.K. Gore and Ameresh Das (2016) Physico-chemical soil properties major and micronutrient of soil status under continuous sugarcane ecosystem of Chalthan area (South Gujarat).	<i>Progressive Research – An International Journal</i> . Volume 11 (Special-I) : 274-277	Print ISSN : 0973-6417, Online ISSN : 2454-6003	
06	Mokle S.P. Mane S.S. and Ganesh K. Gaikwad (2016) Soil fertility status and correlation of micronutrients in soils of Agriculture college Badnapur	<i>Progressive Research – An International Journal</i> . Volume 11 (Special-I) : 612-613	Print ISSN : 0973-6417, Online ISSN : 2454-6003	
07	Prof. Akash P. Gawade, Dr. Ganesh K. Gaikwad and Prof. Kishor A. Kavar (2022) Effect of foliar nutrition of water soluble fertilizer and growth regulator on growth attributing characters of Black gram (<i>Vignamungo</i> L. Hepper).	<i>The Pharma Innovation Journal</i> 2022; 11(11): 901-904	P- ISSN Number 2349-8242	
08	Dr. Ganesh K. Gaikwad, Prof. Akash P. Gawade and Prof. Kishor A. Kavar (2022) Effect of foliar nutrition of water soluble fertilizer and growth regulator on yield and quality of Black gram (<i>Vignamungo</i> L. Hepper).	<i>The Pharma Innovation Journal</i> 2022; 11(11): 905-907.	P- ISSN Number 2349-8242	
09	Dr. Ganesh K. Gaikwad, Prof. Akash P. Gawade and Prof. Kishor A.	<i>The Pharma Innovation Journal</i> 2022;	P- ISSN Number 2349-8242	

	Kavar(2022)Effect of foliar nutrition of water soluble fertilizer and growth regulator on major nutrients content and uptake by Black gram (Vignamungo L. Hepper).	11(11): 908-911		
10	Dr. Ganesh K. Gaikwad, Prof. Akash P. Gawade and Prof. Kishor A. Kavar (2022)Effect of foliar nutrition of water soluble fertilizer and growth regulator on content and uptake of micronutrients by Black gram (Vignamungo L. Hepper).	The Pharma Innovation Journal 2022; 11(11): 936-939	P- ISSN Number 2349-8242	

Credentials:

Particulars	Numbers	Particulars	Numbers
ResearchArticles	42	PopularArticles	42
Books / Booklets	02	BookChapters	01
Research/Technology Recommendations	12	VarietiesDeveloped	01
Patents	-	Abstracts Published	
TechnicalPublication	05		

Significant Achievements(Top Five)

Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations	Year
1. In medium to deep black cotton soils of Marathwada region to manage reddening of irrigated Bt cotton and to obtain higher seed cotton yields and net monetary returns it is recommended to apply RDF 125% through fertigation (100:50:50 NPK kg/ha) along with two sprays of micronutrients grade – II mixture @ 0.5% + potassium schoenite @ 0.5 % at 55 and 70 DAP respectively. Accepted and recommended in 46 joint agresco meeting held at VNMKV, Parbhani	2017-18
2.For higher sees yield and net monetary returns of rainfedBt cotton, it is recommended to plant rainfedBt cotton on broad bed furrow in medium to deep black soils with in-situ green manuring (at 50% flowering / at 45 DAS) of sunhemp as a inter crop OR apply 5 t/ha FYM with the application of 75% RDF (90:45:45 PK Kg/ha) + two sprays of potassium nitrate (KNO ₃) at 35 days (1.0%) and at 75 days (2.0%) after planting respectively OR two sprays of micronutrient mixture (grade-II) (@0.5% each) at 35 days and at 75 days after planting respectively. Accepted and recommended in 45 joint agresco meeting held at VNMKV, Parbhani	2016-17
3.For higher sees yield and net monetary returns of soybean, it is recommended to undertake sowing of soybean on broad bed furrow in medium to deep black soils with the application of RDF (30:60:30 NPK Kg/ha) and during dry spell two sprays of potassium nitrate (KNO ₃) (@1.0 & 2.0%) OR two sprays of 19:19:19 (@0.5%) at 30-35 days and at 60-65 days	2016-17

after sowing respectively. Accepted and recommended in 45 joint agresco meeting held at VNMKV, Parbhani	
4.To cope with dryspells and to attain stable rainfedBt cotton yield it is recommended to apply two sprays of 19:19:19 @ 0.5 at 35 days and at 75 days after sowing respectively OR potassium nitrate (KNO ₃) at 35 days (@ 1.0%) and at 75 days after sowing (@2.0%) respectively alongwith recommended dose of fertilizers (120:60:60 NPK Kg/ha) in medium to deep black soils. Accepted and recommended in 45 joint agresco meeting held at VNMKV, Parbhani	2016-17
5.To obtain higher equivalent yield, net monetary returns per hectare and to improve soil health and nutrient availability, it is recommended to grow intercropping systems of cotton + pigeon pea (6.1) and soybean + pigeon pea (4.2) in rotation with the application of FYM 5 t ha ⁻¹ + 75% RDF (90:45:45 NPK kg/ha) for bt cotton and FYM 5 t ha ⁻¹ +75% RDF (22.5: 45:22.5 NPK kg/ha) for soybean. Accepted and recommended in 46 joint agresco meeting held at VNMKV, Parbhani	2017-18
Externally Funded Projects: Implemented/Handled/Assisted	
<ul style="list-style-type: none"> ➤ Worked as Junior Research Fellow in ISRO RESPOND research project “Identification of Nutrient deficiency symptoms by Remote sensing” from 2001 to 2003 at VNMKV, Parbhani which Team work was appreciated by former ISRO chairman Dr. K. Kasturirangan. ➤ Worked as scientist/ Research team member in Internationally funded project HOPE i.e. “Harmonizing Opportunity for Production Enhancement of Rabi Sorghum” in collaboration with ICRAR Hyderabad. Team work was appreciated and VNMKV team awarded as “GlobalAsia Partner Award by ICRISAT in 2016. ➤ Headed DST project entitled “Impact of Indiscriminate Use of Chemical Fertilizers and Pesticides on Soil Health” Principal Investigator in collaboration with National Institute of Plant Health Management, Hyderabad ➤ Researched on farmers problem regarding <i>Bt</i>-cotton Reddening, worked for Recommendation on spray and fertilizer requirement of cotton under irrigated and rainfed condition in ATMA sponsored project Assesment and Refinement of Technologies to Overcome Reddening in Bt Cotton in Vertisols of Marathwada. 	

Awards/Recognitions (Top Five)

1. ICAR Vasantha Naik Award 2018, awarded by ICAR, New Delhi