


FacultyProfile

PersonalDetails

Name	Gaikwad Arun Ramrao	
Designation	Assistant Professor	
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AcademicQualifications

Degree	Specialization	University	Year of Passing
Ph.D. (Agri.)	Genetics & Plant Breeding (Agricultural Botany)	Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani	2022
M.Sc. (Agri.)	Plant Breeding & Genetices	Gujarat Agricultural University, Junagadh Campus, Junagadh	2001
B.Sc. (Agri.)	Agriculture courses	Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani	1998
H.S.C.	Physics, Chemistry and Biology	Divisional Board Aurangabad	1994
S.S.C.	All subjects to S.S.C.	Divisional Board Aurangabad	1992
Additional Qualification (if any) : Additional Degree / Diploma / NET / SET			
Diploma in Agro-Journalism	Agricultural Journalism	Yashwantrao Chavan Maharashtra Open University, Nasik	2019
Diploma in Agri-Business Management	Agicultural Business Management	Yashwantrao Chavan Maharashtra Open University, Nasik	2016
NET (National Eligibility Test)	Genetics & Plant Breeding	Agricultural Scientist Recruitment Board, ICAR, New Delhi	2013
NET (National Eligibility Test)	Crop Improvement (Genetics & Plant Breeding)	Agricultural Scientist Recruitment Board, ICAR, New Delhi	2009
DOEACC	Computer courses	DOEACC Society	2002

Professional Experience

Stream	Years	Stream	Years
Teaching	02	Research	11
Extension	11	Administration	09

Area of Research/Interest

- *Research on Cotton
- *Teaching tool development

*Crop breeding

Research Guidance

Degree	No. of Student & Guided
M.Sc. (Agri.)	02
Ph.D. (Agri.)	Nil

Research Accomplishments (Recent Ten Most Important Publications)

Sr. No	Title	Journal	ISSN / ISBN	NAAS Rating
01	Morphological, yield and quality performance of introgression trispecies derivatives of cotton (<i>G. hirsutum</i> L. x <i>G. barbadense</i> L.) x <i>G. arboreum</i> L..	<i>Environment Conservation Journal.</i>	ISSN : 0972-3099 (P), 2278-5124 (2023)	5.66
02	Fibre quality evaluation of BG II converted 152 <i>G. hirsutum</i> cotton lines in F ₆ generation with presence of <i>Cry1Ac</i> and <i>Cry2Ab</i> insect resistant transgene.	<i>The Pharma Innovation Journal</i>	E-2277-7695 P-2349-8242 (2022)	5.23
03	Genetic parameters studies for yield, yield contributing and morphological traits in soybean (<i>Glycine max</i> (L.) Merrill)	<i>International Journal of Plant & Soil Science,</i>	ISSN: 2320-7035 2022	5.07
04	Cytomorphological analysis of introgressed trispecies derivatives of cotton (<i>G. hirsutum</i> L. x <i>G. barbadense</i> L.) x <i>G. arboreum</i> L..	<i>Agricultural Mechanization in Asia</i>	ISSN: 00845841 (2022)	6.14
05	Heterosis study of newly developed intra-hirsutum cotton hybrids for seed cotton and lint yield and their performance for economic, morphological and fibre quality traits under rainfed condition in cotton (<i>Gossypium hirsutum</i> L.).	<i>Biological Forum- An International Journal</i>	ISSN P- 0975-1130 ISSN-online- 2249-3239 (2022)	5.11
06	. Evaluation of newly developed Bt cotton (<i>Cry 1Ac</i>) genotypes for seed cotton yield under ultra high density planting system in cotton (<i>Gossypium hirsutum</i> L.).	<i>Biological Forum- An International Journal</i>	ISSN P- 0975-1130 ISSN-online- 2249-3239 (2021)	5.11
07	Molecular characterization of cotton (<i>Gossypium hirsutum</i> L.) genotypes using SSR markers for fibre quality traits.	<i>Int. J. Curr. Microbiol. App. Sci,</i>	ISSN: 2319-7706 (2021)	5.38
08	Path coefficient analysis studies for yield and yield contributing and fibre quality traits in cotton (<i>Gossypium hirsutum</i> L.).	<i>Int. J. Curr. Microbiol. App. Sci.</i>	ISSN: 2319-7706 (2020)	5.38
09	NHH 250 : A new high yielding sucking pest tolerant American cotton hybrid for central zone of India.	<i>India. Int. J. Pure App. Bio sci.</i>	ISSN: 2320 – 7051 (2018)	4.55
10	Evaluation of Bt and non Bt cotton hybrids for fibre quality characteristics.	<i>J. Cotton Res. Dev.</i>	ISSN No. 0972 8619 (2011)	4.70

Credentials:

Particulars	Numbers	Particulars	Numbers
ResearchArticles	30 + 07	PopularArticles	21
Books / Booklets	02	BookChapters	02
Research/Technology Recommendations	05	Varieties Developed	08
Patents	--	Abstracts Published	73
Technical Publication	07		

Significant Achievements(Top Five)

Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations	Year
NHH 250	2017
NHH 715	2019
NHH 44 BGII	2020
PA 740	2020

NH 1901 Bt	2023
NH 1902 Bt	2023
NH 1904 Bt	2023
NH 677	2023
Spacing and Genotypes for High Density Planting System of Cotton. 'Evaluation of promising genotypes for optimum plant density and geometry under HDPS	2017
Manurial requirement of organic cotton:	2018
Diseases forwarding model for grey mildew on cotton	2018
Nutrient management in HDPS Bt cotton under canopy management condition	2021
Lobour saving techniques in cotton cultivation	2021
Externally Funded Projects : Implemented / Handled / Assisted :	
<ol style="list-style-type: none"> 1. Successfully handled, executed and Planned research project as Research Associate on 'Development of tetraploid cotton cultivars with high fibre quality and resistance to drought and biotic stresses' under Technology Mission On Cotton , Mini Mission 1.2 at Cotton Research Station Nanded from 15.12.2006 to 30.03.2007 2. Successfully handled, executed, Planned research project as Research Associate on 'Commercial Exploitation of Apomixes and Utilization of TGMS System' under Technology Mission On Cotton , Mini Mission 1.6 at Cotton Research Station Nanded from 04.07.2007 to 31.03.2010 	

Awards/Recognitions (Top Five)

1. Received 'Mahatma Jyotirao Phule Teacher's Award' on dated 19 th November, 2017 given by Mahatma Jyotirao Phule Teacher's Council, Maharashtra at Auditorium, College of Agriculture, Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani.
2. Received certificate dated 7 th December, 2021 No. IKP/PR/Cert/10114/GAI of 'Certificate of Excellence in Peer-Reviewing' in recognition of an outstanding contribution to the quality of the journal ' <i>Plant Cell Biotechnology and Molecular Biology</i> '
3. Public private partnership award : Received 'Public Private Partnership Award : VNMKV, Cotton Research Station Nanded and Maharashtra State Seed Corporation Limited, Akola' for incorporation of BG II Gene (<i>Cry 1 Ac and Cry 2 ab</i>) in Cotton parental lines of popular <i>intra hirsutum</i> hybrids from Cotton Research Station, Nanded in National Symposium on 'Paradigm Shift in Cotton Cultivation' during 8 to 10 August, 2022 organized by Executive Council of Cotton Research and Development Association (CRDA), Hisar and Maharana Pratap University of Agriculture and Technology, Udaipur (Rajasthan)
4. Received Certificate dated 10 th Feb, 2022 No. SDI/HQ/PR/Cert/83712/GAI of 'Certificate of Excellence in Reviewing' in recognition of an outstanding contribution to the quality of the journal ' <i>International Journal of Plant & Soil Science</i> '
5. Received Certificate dated 5 th May, 2022 No. SDI/HQ/PR/Cert/86137/GAI of 'Certificate of Excellence in Reviewing' in recognition of an outstanding contribution to the quality of the journal ' <i>International Journal of Plant & Soil Science</i> '