FacultyProfile

PersonalDetails

Name	Dr. PAWAR SURYAKANT BABURAO
Designation	Associate Director Research, National Agricultural Research Project, Paithan Road, Chh. Sambhajinagar Pin-431010 Professor (Agronomy)
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AcademicQualifications

Degree	Specialization	University	Yearof Passing
Ph.D.(Agri.)	Agronomy	VNMKV, Parbhani	1999
M.Sc.(Agri.)	Agronomy	VNMKV, Parbhani	1995
Additional Qualification(if any):Additional Degree/Diploma/NET/SET			

ProfessionalExperience

Stream	Years	Stream	Years
Teaching	11	Research	17
Extension	22	Administration	14

Area of Research/ Interest
Irrigation management, Pearl Millet & Pulses production technology

Research Guidance

Degree	No.ofStudent &Guided
M.Sc./M.Tech	8
Ph.D.	1

ResearchAccomplishments (Recent Ten Most Important Publications)

Sr.No	Title	Journal	ISSN/ISBN	NAAS Rating
01	Character association for grain yield and its components in Pearl Millet	*The pharma innovation journal*	12 (10) : 520-524	5.23
02	Genetic variability analysis for yield and its contributed characters in Pearl Millet (Pennisetum glaucum)	The Pharma innovation	Vol-12 (8), 1167-1170	5.23

	components in Pearl Millet (*Pennisetum glaucum L.*) germplsam	*Journal*		
04	Estimation of heterosis in pearl millet (*Pennisetum glaucum L.*) for yield and its component traits.	*Indian Journal of Agriculture and Allied Sciences*	Vol-10 No.1 ISSN 2395-1109	3.99
05	Stability analysis and identification of superior hybrids in Pearl Millet (*Pennisetum glaucum L.*) using the multi trait stability index	*Plants (MDPI)*	Plants, 13, 1101 1-21	13.60
06	Studies on fertilizers levels of NPK with split application of nitrogen for Maize under rabi season	The Pharma Innovation	10 (2), 1646-1648 ISSN-2349-8242	5.23
07	Impact of spacing and nutrient management practices on growth and yield of Sweet Corn- Chickpea under sequence cropping	Biological Forum and International Journal	14 (2), 1045-1050 ISSN-0975-1130	5.11
08	Effect of spacing and nutrient management practices on growth, yield and economics of sweet corn-chickpea under sequence cropping	The Pharma innovation	11 (7), 280-286 ISSN-2349-8242	5.23

Credentials:

Particulars	Numbers	Particulars	Numbers
ResearchArticles	40	Popular Articles	151
Books / Booklets	10	Book Chapters	5
Research/Technology Recommendations	22	Varieties Developed	4
Patents	-	Abstracts Published	25
TechnicalPublication	2		

Significant Achievements(Top Five)

Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations	Year
1. For getting higher grain yield and monetary return cultivation of rabi maize hybrid with plant spacing 75 x 20 cm^2 (66666 lakhs plants/ha) is recommended	2020
2. For management of downy mildew of pearl millet seed treatment of bio-agent *Trichodera harzianum* @8g/k of seed is recommended.	2021
3. For higher yield and profitability of sweet corn- chickpea cropping sequence, sowing of sweet corn at 60 cm x 20 cm during *kharif* season followed by chickpea at 30 cm x 10 cm spacing during *rabi* season along with application of 180:70:70 kg NPK per hectare to sweet corn crop only (chickpea on residual nutrients after sweet corn) and seed treatment with *Azotobacter* to sweet corn / *Rhizobium* to chick pea + PSB and KSB @ 10 ml per kg seed to sweet corn and chickpea is recommended for Marathwada region	2022
4. For obtaining higher yield and profitability, the cultivation of carom crop is recommended as an alternate crop to chickpea, *rabi* sorghum and safflower under protective irrigation during *rabi* season for Marathwada region	2023
5. For obtaining higher yield and profitability of carom crop, optimum sowing time during second fortnight of August and plant spacing of 60 cm x 30 cm is recommended for Marathwada region.	2023

Externally Funded Projects: Implemented/Handled/Assisted

Sr. No.	Name of the Project	Position (PI/Co-PI	Year of project	Value of the Research Project	Significant contribution
1	DBT- Rural Bio-resource Complex Project in Karmad cluster	Acted as Co-PI	2005-06 to 2009-10	Rs. 4.89 Crore	Implemented RBC project of DBT in Karmad cluster of 7 villages in Aurangabad district for uplift of socio-economic status by implementing different intervention like seed production, pomegranate plantation, sericulture, goatary, poultry and nursery management.
2	Efficient Land Use Based Integrated Farming System for rural livelihood security in Aurangabad , Dhule & Gondia dist. Of Maharashtra	Acted as CC PI since May 2013- Dec. 2014	w.e.f 2009-10	30.00 lakh	Implemented NAIP project of in Amba tanda villages in Aurangabad district for livelihood security by implementing different intervention like seed production, , goatery and poultry in tribal area of kannad taluka, Dist- Aurangabad
3	National Initiative on Climate Resilient Agriculture (NICRA)	Acted as PI since May 2013 to Dec-2016	w.e.f 2011	15.00 lakh	Implemented NICRA project of in Shekta villages in Gangapur taluka of Aurangabad district to build the resilience of the farming community to face extreme weather events. Demonstrated the appropriate practices and technologies with a climate focus in farmer participatory mode. intervention like natural resource management(nala widening and deepening and cement plug, opening of furrow etc, crop production intercropping of soybean + tur, cotton + mung bean /urd bean/ soybean / tur, selection of short

						duration varieties, mid season management practices) livestock (azolla, vermin compost, poultry ,fodder etc) ,and custom hiring centre . These interve
	4	RKVY- Integrated Crop Management Transfer Technology developed by VNMKV, Parbhani	Acted as Co-PI since May 2013 to 2018	w.e.f 2011 2012-13 2013-14	 127.00 lakh 82.00 lakh	Implemented "Integrated Crop Management Transfer Technology developed by VNMKV" under RKVY project by conducting demonstrations on improved varieties of Tur BDN-711,Soybean MAUS-71,158, 162 Chickpea- BDN797, intercropping of pigeon pea+ soybean and improved package of practices increased yield by 25 to 30 %
	5	Economic Empowerment and drudgery reduction of farmwomen	Acted as in charge	2013-14	2.00 lakh	Implemented various technologies for women empowerment and drudgery reduction of farm women.
	6	"Genetically enhanced micro nutrient dense Pearl Millet grains for improved human nutrition in the W. Africa and India" under Harvest Plus	Acting as Incharge since Sept. 2013 to 2021	w.e.f. 2011	50.00 lakh	Released Bio fortified Pearl Millet hybrids AHB- 1200 Fe & AHB- 1269 at national level
	7	Demonstration of Improved Agronomic practices using high quality seeds of Corn & Cotton and mechanization of planting and harvesting	Acted as Nodal Officer	w.e.f. 2013-14 to 2015-16	8.00 lakh	Conducted demonstration on mechanical planting and picking of cotton at NARP, Aurangabad during 2013-15 in collaboration with Monsanto India Ltd and VNMKV and shown to farmers
	8	Cluster Front Line Demonstrations	Acted as PI since May 2013 to 18.12.17	w.e.f 2013	2.00 lakh	Demonstrated improved varieties of pulses and oil seed crops
	9	Product Testing (Maize)	PI	w.e.f. 2019	1.01 crore	1.01 crore revenue

						generated through product testing trials
	10	Product Testing (Pearl Millet)	PI	w.e.f. 2018	21.96 lakh	21.96 lakh revenue generated through product testing trials
	11	Enhancing breeder seed production for increasing indigenous production of Millet's in India	Acting as Nodal Officer	w.e.f. 2018 to 2021	70 Lakh	Taken seed production of bio fortified hybrids AHB- 1200 Fe & AHB- 1269 and established processing unit
	12	Bio pesticide production unit	Co PI	2023	3.60 crore	Revenue generated through production of bio pesticides 80 lakh.
	13	Bio fertilizer production unit	PI	2023	1.60 crore	5 lakh revenue generated through production of bio fertilizer

Awards/Recognitions (Top Five)

Sr. No.	Name of the Award/ Fellowship/ Medal	Name of the Awarding organization/ Society/ Academy	Year of Award	Significant contribution
1	**Junior Research Fellowship**	ASPEE' foundation, Mumbai	1993-1995	Post Graduation
2	Raja Naryanlal Lahoti **Gold medal**	Department of Parbhani, VNMKV, Parbhani	1995	Highest CGPA in PG
3	Best Pigeon pea Team "Agriculture Research Station, Badnapur"	IIPR, Kanpur	2007-08	Contribution in developing wilt and sterility mosaic resistant varieties of pigeon pea and their production technologies
4	Agrocare Idol 2013	Baliram Charitable Society & Agro care krishimanch, Nasik	2013	In the field of Agriculture Extension & Innovation
5	Best Agriculture Scientist award	Vasantrao Naik pratishthan , Pusad	2015	In the field of Agriculture extension
6	Appreciation letter from Hon. Vice-Chancellor	VNMKV, Parbhani	2012-13	Excellent work in University Services
7	Appreciation letter from Hon. Vice-Chancellor	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	2015, 2016, 2017 and 2018	Contribution in the University Level AVISHKAR -2015, 2016, 2017 and 2018 in the capacity of judges committee in agriculture and animal husbandry Category.
8	Appreciation letter from Director of Extension	VNMKV, Parbhani	2016	For making efforts for grand success of Rabi Shetkari Melawa 2016
9	Best ICAR-AICRP on Pearl Millet Center for 2017-18	ICAR- All India Coordinated Research Project on Pearl Millet, Mandore, Jodhpur	2017-18	Contribution in the development of bio fortified hybrids AHB- 1200 Fe

10	VNMKV- NARP, Aurangabad "Outstanding Partnership Award-Asia"	ICRISAT, Hyderabad	2017	Pearl Millet Biofortification Research and Development Partnership for Improved Human Nutrition in India during 2017
11	"Krishi Sansthan Samman"	Mahindra and Mahindra Ltd., New Delhi	2018-19	Pearl Millet Biofortification Research and Development Partnership for Improved Human Nutrition in India
12	Appreciation letter from Director of Extension	VNMKV, Parbhani	2019	Efforts for grand success Mahila Shetkari Melawa 2019
13	Best ICAR- AICRP on Pearl Millet Centre	ICAR- All India Coordinated Research Project on Pearl Millet, Mandore, Jodhpur	2019-20	"Nutritional Security through Pearl Millet"
14	Best ICAR- AICRP on Pearl Millet Centre	ICAR- All India Coordinated Research Project on Pearl Millet, Mandore, Jodhpur	2021-22	significant contribution in Pearl Millet improvement in Zone B
15	Best ICAR- AICRP on Pearl Millet Centre	ICAR- All India Coordinated Research Project on Pearl Millet, Mandore, Jodhpur	2022-23	Overall performance for Pearl Millet Biofortification Research and Development Partnership for Improved Human Nutrition in India & seed production
16	Appreciation letter from Hon. Vice-Chancellor	VNMKV, Parbhani	2022	Strengthening seed production activities and bio pesticides / bio fungicide production and enhancement of revenue generation