

BRIEF BIODATA



Dr. SHARAD RAMRAO GADAKH

- **Birth Date** : 29 November, 1961
- **Designation** : **Vice Chancellor, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola**
- **Educational Qualification** : Ph.D. in Plant Physiology
- **Service Experience** : **40 years**

5 years and 9 months as Director of Research (2017 to 2022)
8 years as Senior Sorghum Breeder (2009 to 2017)
1 year as Associate Director of Research, ZARS, Igatpuri (2008)
Holding additional responsibility of Director of Extension Education for 3 years (1.04.2019 to 2022), held additional charge of Head, Department of Botany for 1 year (2016) and Chief Scientist (Seeds), MPKV, Rahuri for 1 year (2017). Held additional Charge as Vice Chancellor of MAFSU, Nagpur (2022-23) for 6 months

- **Student guided** : **14 Ph.D.** and **8 M.Sc.** Agriculture students

- **Publications** : Scientific publications - **80**
Books - **08**
Technical publications - **43**
Extension publications - **144**
Extension Folders - **17**
Radio Talks - **41**
T.V. Talks - **29**

- **Ad-hoc Research Project Executed :**

- **Facilitation Centre for Medicinal Aromatic Plants**, Sanctioned by National Medicinal Plant Board, New Delhi of Rs. 30.00 lakh for the year 2007-10.
- **Phytochemical Studies of Dashmool Species**, Sanctioned by National Medicinal Plant Board, New Delhi of Rs. 28.00 lakh during 2007-10.
- **Harnessing Opportunities for Productivity Enhancement (HOPE) of Rabi Sorghum**, Sanctioned by The Bill and Milinda Gates Foundation (BMGE) through ICRISAT, Hyderabad of 207309 US\$ for the year 2009-14.
- **Studies on Sucrose accumulation for efficient ethanol production from Sweet Sorghum** Sanctioned by Indian Council of Agricultural Research, New Delhi of Rs. 39.00 lakhs for the year 2010-15
- **Preparing for Climate Change: Improving Sorghum adaptation to Post flowering drought tolerance**, Sanctioned by under NICRA Project (Climate Change) by ICAR, New Delhi of Rs. 12.00 lakhs for the year 2011-14.
- **Consortia Research Project (CRP) on Seed Production of Rabi Sorghum**, Sanctioned by ICRISAT, Hyderabad of Rs. 34.26 lakhs for the year 2013 to 2018.

■ Achievements: Development of Varieties-21

SN	Crop	Variety/Hybrid	Year of release
1.	Brinjal	Krishna (Hybrid)	1991
2.	Bittergourd	Hirkani	1991
3.	Bittergourd	Phule Green Gold	1996
4.	Bittergourd	Phule Ujawala	1999
5.	Bittergourd	Phule Priyanka	1999
6.	Bottlegourd	Samrat	1992
7.	Cucumber	Himangi	1992
8.	Cucumber	Phule Shubhangi	1999
9.	Dolichos bean	Phule Gouri	2000
10.	Sorghum	Phule Yashoda	1998
11.	Sorghum	Phule Maulee	1999
12.	Sorghum	Phule Revati	2010
13.	Sorghum	Phule Panchami	2010
14.	Sorghum	Phule Suchitra	2012
15.	Sorghum	Phule Godhan	2013
16.	Sorghum	Phule Madhur	2015
17.	Sorghum	Phule Rohini	2015
18.	Sorghum	Phule Vasundhara	2015
19.	Niger	Phule Vaitrana	2014
20.	Sweet Sorghum	CSH-47	2021
21.	Sorghum	Phule Yashomati	2021

■ Achievements

Involvement in Crop Production Technology Recommendations-07

- Developed the technique for erection of bower system for cucurbits, technique for harvesting, grading and packaging technique of bottlegourd, 5 point technology of rainfed rabi sorghum, varieties on the basis of soil type and protocol for primary processing of 13 medicinal plants products.

■ Contribution as Director of Research

- **Significantly contributed in the Improvement of All India Agriculture University Ranking from 34" in 2018 to 23" in 2021.**
- **Released 41 crop varieties, 9 farm implements, 267 research recommendations.**
- **Granted 1 patent** on 'A process for Preparation of Cookies' and Filed 14 research patents.
- Registered **11** genotypes of different crops as resistant source for biotic and abiotic stress tolerant. Registered **77 crop varieties under PPV & FRA** and filled another 42 proposals for registration of crop varieties under PPV&FRA.
- **Initiated Research on 6 new crops** viz. Bamboo, Forage Cactus, Quinnova, Dragon Fruits, Litchi and Date Palm.
- Successful in getting **47 new Ad hoc research projects** to MPKV, Rahuri of worth Rs. 89 Cr.
- **Carried out impact analysis of MPKV, Rahuri released varieties of 8 crops** (sugarcane, pomegrnae, chickpea, *rabi* sorghum, paddy, pearl millet, onion and acid lime) and **contributed Rs. 2,40,187 lakh Cr. in National economy.**
- Developed **24 MoU with National and International Institutions** for collaboration in research, technology transfer and training.
- **Started the activity of ranking of all research stations of the University Jurisdictions** in large and small groups and awarded the best research centre award, best scientist award and best farm manager award from 54" Foundation day of the University 29" March, 2022.

- **Implemented massive seed production activity** on university farm and on farmer's participatory seed production on farmer's field, produced more than **30,000 qtl. seed** of improved varieties through 'one village one variety concept' and more than **12 lakh grafts/nursery plants** of horticulture plants annually.
 - Developed 1510 MoU with Farmers Producers Organizations (FPO's) and **Private seed companies**, received **Rs. 208 lakhs as one time fees** and **3-5 % royalty on breeder seed of University released varieties**.
 - **Started 27 sale counters at all the research stations**, constituent colleges and KVKs in university jurisdiction through which university products were sold to the farmers.
 - Developed the **Phule Agro Mart; the online sale system** for all the university developed products.
 - Developed **20 farm ponds with water storage capacity of 36 Cr liters** at central farm MPKV, Rahuri and installed pressurized irrigation system on 100 ha of fruit crops.
 - **Initiated the development activities/projects of Rs. 28 Cr.** for the self reliance of the research projects

■ Contribution in Agricultural Extension

Technology Demonstrations

- Successfully organized **Agriculture Technology Week (Kisan Aadhar Sammelan)** every year (2017 to 2019) on University farm with live demonstrations of all released crop varieties and technologies, Visited more than 1 lakh farmers.
- **Varieties and technologies of Vegetable Project, MPKV, Rahuri were demonstrated on 800 ha** on farmers field of Rahuri, Newasa and Pathardi Tahasil during 1985 to 1994.
- **Established and actively run Farmers Producer Organization** - 'Shaineshwar Fruits and Vegetable Co- operative Society' for production to marketing of vegetables grown by **1636 member farmers** at Sonai Village, Tal. Newasa, Dist. Ahmednagar having more than 3 Cr. turnover and **acting as Chief Promoter**.
- **Frontline demonstrations on Mustard Variety Seeta** were conducted on farmer's field on **300 ha** in Rahuri and Newasa Tahasil during 1985 to 1994.
- During 2002-2004, **vegetable varieties developed at Vegetable Project, MPKV, Rahuri were demonstrated on 40 ha area of the MPKV, Rahuri.**
- **20,100 Farmers Field Demonstration of rainfed rabi sorghum five point** technology, sorghum seed production technology had been implement on farmers field of Ahmednagar, Pune, Solapur, cluster village under **HOPE project during 2009-2014. The productivity of rabi sorghum was enhanced by 40% of grain and 38% of fodder.**
- Started the '**MPKV Idol**' activity for **Agri- entrepreneurs and progressive farmers** in every month by displaying the hordings at entry gates of agro research stations and colleges in University Jurisdiction.

■ Field Days & Farmers Rallies

- The **Mustard Rally- March Pass**, (Bicycle and Motor Cycle Rally) was arranged from Central Campus, MPKV, Rahuri to Chanda, Tal. Newasa with the **participation of more than 1000 farmers.**
- **Rabi Sorghum Day** has been organizing since from **1998 to 2022** for demonstration and dissemination of varieties and technologies to the farmers.
- **Vegetable Day** has been organized during 2002 for demonstration and transfer of improved technology to the farmers.

■ Farmers Participatory Seed Production Programme

- **Implemented farmers participatory seed production programme of rabi sorghum with one variety in one seed village concept in 35 villages** of four districts of western Maharashtra under Consortia Research Project (CRP) on seed production of **rabi sorghum** during **2013-2021**. The total **76,000 qtl** of certified seed of sorghum varieties had been produced.

■ **Farmer Scientists Forum**

- Formulated **Farmer Scientists Forum** for technology dissemination and farmers feedback at each research station and constituted KVK. Total **54 Farmer Scientist Forums** are active with **1668 Farmers**.

■ **Revenue Generation**

- **Increased University revenue receipt from 19 Cr. to 47.50 Cr. within 4 years tenure as Director of Research (2017-2021).**
- **Effectively monitored 91 Revolving funds through which Rs. 27 Cr. receipt** is generated in the year 2019-22 for the selfreliance and effective implementation of research station/scheme/projects.

■ **Awards : 11 Awards**

SN	Name of Award
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I International Awards

- **Outstanding Partnership World Award-Asia 2014** from ICRISAT for recognition of significant partnership achievement under HOPE-Project in South-Asia.

II National Awards

- **Best Performing *Rabi* Centre award 2010-11** from ICAR New Delhi for significant contribution in *rabi* sorghum research
- **Best Poster presentation Award from ICAR-Directorate of Sorghum Research**, for the poster presentation during 40" Sorghum Annual Group Meet held at TNAU, Coimbatore. Best Poster presentation Award from UAS Dharwad for the best Poster Award in the National **Conference** on Genetics and Cytogenetics (NCGC 2016).

III State Level Awards

- **Vasantrao Naik Memorial Award 2003** for special contribution in agriculture.
- **Motibhau Firodia Award 2008** for extra ordinary work in agricultural research and extension activity.
- **Udyog Ratna Award 2011** for enhancement of **rural economy through dairy development** on 06.01.2011.
- **Gourav Puraskar Award 2009** received from **State Bank of India** for excellent work in rural area.
- **Krishi Ratna 2013** for Excellent work in **Agriculture Research and Extension**
- **Udyog Ratna Award 2014** for **Excellent work in rural area** on 17.02.2014.
- **Krushi Kranti Grower Purskar 2017** from Krushibhushan Raoshaeb Kadlag Smruti Foundation for **Excellent work in Agriculture.**

■ **Abroad Visits :**

Mali, South Africa, Ethiopia, Germany, Netherland, Switzerland, Taiwan

Major Contribution as Vice Chancellor of Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola

Education

- Implemented Academic Bank of Credit (ABC) system (University Registration ID : NAD003538)
- Students created ABC ID : UG – 32365, PG – 3836 and Ph.D. – 462
- Uploaded the 38391 degree certificates of under graduate, post graduate and Ph.D. for the period of 2010 to 2022 (NAD Digi Locker).
- Implemented new revised syllabus for PG & Doctoral Degree programme as per recommendation of ICAR-NCG (National Core Group), BSMA ICAR from 2022-23.
- Adopted Academic Management System (AMS) and Blended Learning System of ICAR.
- Adopted Integrated University Management System (IUMS) to speed up governance services to staff and students.
- Established Virtual Classroom under “ICAR - Resilient Agricultural Higher Education System” (RAES).
- The University library is a member of “Consortia for Electronic Resources in Agriculture” (CeRA).
- The University library provides access to 40,000 online open access e-journals and 7 National and International repositories. Through these repositories more than 70 lakh full text and abstracts can be accessed.
- Post Graduate Diploma in Organic Certification in collaboration with Eco-cert, France.
- The new constituent Agriculture College started at Dist. Buldana (A. Y. 2023-24)
- The new private non-granted affiliated Agriculture College started at Khirdi, Dist. Chandrapur (A. Y. 2024-25).
- The Government of Maharashtra has sanctioned Rs. 235.62 crores for the construction of "International Convention Centre" at College of Agriculture, Nagpur.
- Under green initiative 595 kW solar power plant was installed at the University. This resulted in saving of electricity expenses of more than Rs. 30.00 lakh rupees/month.
- 3 Forum's for students have in established viz. Competitive Forum, Hi-tech Agriculture Forum have been established.
- Organized State level Indradhanush-2024 during 7th to 11th November, 2024, 1073 students along with 150 managers from 23 Universities participated.
- New Education Policy have been implemented by the University.
- Teachers are being awarded for their contribution on University Foundation Day every year on 20th october.

Research

- In last 2 years 11 varieties 16 implements have been released for the farming community and 174 technologies thus total 201 Research recommendation have been released
- Hi-tech Vegetable Research Station at Ekarjuna amounting 31.90 Cr.
- 94 on going research projects amounting 82 Cr.
- 41 patents proposals have been filed 5 patents have been granted
- Under PPV and FR Authority New Delhi 89 reference varieties of Mung been, 106 reference varieties of Pigeon pea, 25 reference varieties of Saffower and Famers varieties are maintain under DUS Testing Centre
- 651 MoU's have been signed.
- 3 Research Project amounting 11.55 Cr. have been sanctioned.
- 102 Research Proposal amounting 216.51 Cr. submitted for external funding.

- 68 Start ups started under Agri Incubation Centre.
- Average production of 1 ton of vermicompost per day through modern methods of vermicomposting and vermiwash.
- Production of Pure Sahiwal Cattle through IVF technology from local breed with the aim of conservation of 202 cows.
- Average production of 200 tonnes of green fodder by pit silo method for availability throughout the year
- ICAR New Delhi and ICAR-CSSRI Karnal approved AICRP on Soil salinity voluntary Centre
- 5 Cr. for Natural Farming Project have been sanctioned by Govt. of Maharashtra.
- Project on Agro Tourism in University has been sanctioned by DPDC, Akola amounting 11.68 Cr.

Extension

- State level Agri-Exhibition (Agrotech) 7 to 10 lakh farmers participated.
- Shivar Pheri (Live Demonstration) - 1 lakh participated
- Horticulture Day - 16 Thousand participated
- Mahila Melawa - 415 women felicitated
- Premonsoon Kharif Mela - 2000 Participated
- Agri Week (1 to 7 July)
- Farmer Scientist Forum 33 - 2116 members
- Model Village - 11 villages adopted
- PDKV Sale Counter - 29 (Sold Inputs amounting Rs. 7.00 Cr.
- PDKV Idol's (1 Progressive and 1 Alumni Agri Entrepreneur)
- Voice Mail Facility - 4.25 lakh benefitted
- Toll free information system - 10 thousand benefitted
- Hello Kastakar Radio Programme - 50 lakh benefitted
- ZREAC (Kharif & Rabi) Meetings
- Kharif and Rabi Planning Meeting
- District Monthly Workshop

Seed Production

- Seed Production is increased 3 times from average 10,000 quintal breeder seeds to 30,000 quintal in last 2 years. Planting materials increased from 1 lakh plants to 7 lakh.

Development

- Produced PDKV Micronutrients amounting 1.82 Cr.
- Produced PDKV Bio Fertilizers amounting 1.40 Cr.
- 400 ha fallow land brought under seed production
- International Convention Centre amounting 235.62 Cr. sanctioned by Govt. of Maharashtra
- University produced Vermi Compost Exported to Dubai
- The Agriculture Technology Information Centre and Dr. Panjabrao Deshmukh Smriti Kendra have been transformed and significant changes were brought.
- 300 acre area brought under horticulture plantation
- 661 MoU's with FPO
- Celebrating Foundation Day by felicitating teachers, researchers and extension workers

Adminstration

- Carrier Advancement Scheme awarded to 204 academic and 783 non academic given benefit of Assured Progression Scheme.
- 14 teaching staff and 11 non teaching staff were given departmental promotions
- 13 new appointments on compassionate ground

Revenue Generation

- Increased University revenue receipt from 16 Cr. to 30.00 Cr. within 2 years tenure as (2022-2023 to till date).
- Seed receipt from breeder seed sale increased from 3.87 Cr. (2022-23) to 12.36 Cr. (2024-25)

National Awards

- Best Centre award to AICRP on Sorghum Akola 2022
- Best Centre award to AICRP on Seeds Akola 2024
- Best Centre award to AICRP on Oil Seeds Akola 2024
- Best Centre award to On Farm Research Unit under IFSR, Akola 2024