

BRIEF BIODATA



DR. SHARAD RAMRAO GADAKH

■ **Birth Date** : 29 November, 1961

■ **Designation** : **Vice Chancellor, MAFSU, Nagpur**

■ **Educational Qualification** : Ph.D. in Plant Physiology

■ **Service Experience** : **39 years 4 Months**

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).

■ **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 34th in 2018 to 23rd 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 54th Foundation day of the University 29th 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

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

- **Vasantao 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.
- **Krushikrant Grower Puraskar 2017** from Krushibhushan Raoshaeb Kadlag Smruti Foundation for **Excellent work in Agriculture**.

■ **Abroad Visits :**

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