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1. Educational Qualifications: Doctorate degree from G B P UAT, Pantnagar.

2. Experience: Post research experience >18 years

3. AWARDS/HONOUR

1. Awarded CSIR- SRA Fellowship for post doc research.
2. Best paper awarded under Oral presentation by PAU, Ludhiana, Punjab.
3. Awarded “Excellence in Research Award” by Samagra Vikas Welfare Society, Lucknow.
4. Outstanding performance award by IMD, Ministry of Earth Sciences, Govt. of India
5. Best scientist award by Rajasthan Agricultural Research Institute 2016.
6. Women scientist award in International Conference on biostress management by Society for bioresource and stress management.
7. Appreciation award by SKNAU, Jobner on 26/01/2018.
8. Young scientist award by Society for scientific development in agriculture.
9. **Acted as Rapporteur in the Lecture Series on Agrometeorology organised from September to November, 2025 by the South Asian Forum for Agricultural Meteorology (SAFOAM) acting as knowledge partner to enhance the weather services to the agricultural sectors in South Asia.**
10. Book published entitled
BV Ramana Rao, K. K. Singh, Surendra Singh, VUM Rao and **Rani Saxena (2025)**. “Weather forecasting Spectrum: A2A for farmers”, SR edu publications, Kalyan nagar, Kalwakurthy, Telangana
11. Awarded appreciation from ADG, AAFCC, ICAR for conduction of AGM of AICRP on IFS during Nov., 28-30, 2025 at RARI, Durgapura, Jaipur.
12. Awarded ‘Women Excellence Award’ by ICAR-NAARM and AEETDS on September 25, 2025.
13. Editorial board member of ‘*International Journal of Life Sciences and Applied Sciences*’ May 2025.

4. Trainings Organized – 19

| S. No | TRAININGS ORGANIZED |
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| 1. | National level training on “Use of crop simulation model for decision making and yield forecasting” at RARI, Jaipur during 15-19 September 2014. |
| 2. | National level training on “Crop simulation model based wheat yield forecast” at RARI, Jaipur during 11-14 February 2015. |
| 3. | Training for farmers on “Climate change and improved cultural practices” at RARI, Jaipur on 17 December 2014. |
| 4. | Training for FTAs of KCC on “Strengthening Knowledge Network for Effective Weather Forecast Utilization” at RARI, Jaipur during 30-31 July 2016. |
| 5. | National level Workshop cum interactive meeting and Regional Review Meeting of FASAL project was organized at RARI, Jaipur during 8-9 September, 2016. |
| 6. | National level 10 days training on “New-Dimensions in Agrometeorology for improvement of Agromet Advisories: capacity building” organized at RARI during 06-15 Feb., 2017. |
| 7. | Training for farmers under Farmer awareness programme on “Climate change and Agriculture” organized during 28 Jan., 2017 at Salempura, Dausa |
| 8. | Training for farmers under Farmer awareness programme on “Climate change and |

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| | Agriculture” organized during 1 Mar., 2017 at Haripura, Jaipur. |
| 9. | Training for farmers under Farmer awareness programme on “Climate change and Agriculture” organized during 7 Mar., 2017 at Chommu, Jaipur. |
| 10. | 21 days training of CAFT as course coordinator on ‘Application of molecular markers for genetic purity and crop diversity’ during 1-21 Nov 2017. |
| | 21 days training of CAFT organized as course coordinator on ‘Biotechnological interventions to enhance crop productivity under Stress conditions’ during 25 July-14 August 2018. |
| 12 | 21 days training of CAFT as Course Director on ‘Advances in agricultural techniques to enhance crop production: Towards climate resilient agriculture’ during 10-30 Dec 2018. |
| 13 | 2 days brainstorming meeting on ‘Enhancing weather and climate applications on risk reduction in agriculture and water management’ during February 18-19, 2019 |
| 14 | 21 days training of CAFT as Course Coordinator on ‘Physiological and biotechnological interventions Towards climate resilient agriculture’ during 3-23 Jan 2020 |
| 15 | Training for farmers under Farmer awareness programme on “Climate change and improved Agricultural practices” organized at Ajmer during February 23, 2024 |
| 16 | Training for farmers under Farmer awareness programme on “Climate change and improved Agricultural practices” organized at Dausa during February 24, 2024 |
| 17 | Training for farmers under Farmer awareness programme on “Climate change and improved Agricultural practices” organized at Kotputli during February 28, 2024 |
| 18 | 35 days training of RAWE as course coordinator on ‘Rural Entrepreneurship Awareness Development Yojna (student, READY)’ during 6 th February to 11 th March, 2024.1-21 Nov 2017. |
| 19 | Training organized for farmers under Farmer awareness programme on “Enhanced cultural practices for Climate change mitigation” organized at Dausa on February 7, 2026. |

5. Workshop/Seminar/Symposium/Certificate courses/Conference/ Brain storming meeting Organized

1. Organized (as organizing secretary) two days brainstorming workshop on ‘Early Warnings Systems for All: Consortium of Agricultural and Atmospheric Sciences’ at RARI, Durgapura, Jaipur during January 13-14, 2026 funded by Ministry of Earth Sciences, New Delhi (Rs. 3 Lacs).
2. Member of committee for organization of the Annual Group Meet of AICRP on IFS at RARI Durgapura during 28-30 Nov. 2025.
3. Member of committee for organization of the Annual Group Meet of AICRP on Soil Arthropods at RARI Durgapura during 2-3 Dec. 2025.
4. Participated in IInd International conference on ‘Frontiers in Science and Technology for Agricultural Transformations FSTAT-2025’ during September 25-26, 2025 at ICAR-NAARM, Hyderabad.
5. Seminar on “Communication skills and Personality development” from March 4 -I 0, 2025 at RARI, Durgapura, Jaipur.
6. Certificate course on “Communication skills and Personality development” from March 4 -I 0, 2025 at RARI, Durgapura.
7. National Symposium on “Protected cultivation of horticultural crops: Challenges and potential solutions” on December 29-30, 2024 at RARI, Durgapura.
8. Seminar on “Women the Power Pillars: Celebrating and Empowering Women” on December 21, 2024 at RARI, Durgapura.
9. Seminar on “Women the Power Pillars: Celebrating and Empowering Women” on December 21, 2024 at RARI, Durgapura.

10. National Seminar on 'Emerging Trends in Information and Knowledge System in Digital Environment (ETIKSDE-2024)' during 6 - 7 December, 2024 at RARI, Durgapura.
11. International Conference on 'Global Research Initiatives for Sustainable Agriculture & Allied Sciences' during 10-12 December 2024 at RARI, Durgapura.
12. Workshop on "Pro-poor Approaches for Small Ruminants Based Livelihoods Promotion" on November 30, 2024 at RARI, Durgapura.
13. Workshop as Co-Coordinator on "Scientific Research and Technical Writing Skills" during 25th November-1st December, 2024 at RARI, Durgapura.
14. Brain storming meeting on 'Food processing, agriculture and dairy farming' on 29th September, 2024 at RARI, Durgapura.
15. National Symposium on "changing of Arid Region and Impact on Wealth and Climate over Indian Subcontinent" during November 22-24, 2023 by Indian Meteorological Society at Birla auditorium, Jaipur.
16. National Webinar on 'Use of Geospatial Techniques in Climatic Risk Mapping and Management in Agriculture' on 26/08/2021.
17. National Webinar on 'Heat wave: Impact on Agriculture' on 22/07/2021.
18. National Webinar on 'Entrepreneurial Skills to Manage Dryland Areas through Integrated Farming Systems' on 24/06/2021.
19. National Webinar on Secondary Agriculture-A New Era of Agriculture under COVID-19 on 17/06/2021.

2. Technology developed and included in Package of Practices - 10

3. Project Approved AS PI

| S. N | FUNDING AGENCY | TITLE OF PROJECT | BUDGET |
|-------------|-----------------------|---|--------------------------|
| 1. | ISRO | "Early detection of crop stress through sensing of photosynthetic capacity, SIF (Solar Induced Fluorescence) and modelling of resource use efficiency " | 50.0 Lakhs |
| 2. | RKVK | "Estimation of area and production of existing cropping systems and optimization of water use through Remote Sensing and GIS" | 190.3 Lakhs |
| 3. | RKVK | "Gram Panchayat level Sown Area and Crop Damage Estimation using Remote Sensing and GIS." | 196.4 Lakhs |
| 4. | ISRO | "Assessment of Biotic and Abiotic Stresses in Wheat and Mustard Crops in Semi-Arid Region Using Remote Sensing Data" | 75.0 Lakhs |
| 5. | IMD | "Forecasting agricultural output using space, agrometeorological and land based observations" (FASAL). | 8-9 Lac per year approx. |
| 5. | CSIR | "Deriving adaptation options for mitigating climatic stress in wheat." | 25 Lac |

4. Research Papers Published- >55

5. Popular Articles->20

6. Folder Published-5

7. Lectures Delivered in trainings/winter school/summer school/CAFT etc - >100