CURRICULUM VITAE

Dr. Rakesh Kumar
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❖ CAREER OBJECTIVE:

A bright, ambitious and dynamic profession with vast knowledge of discovering inventions in natural resource management, agronomy in particular and to take up a challenging research and development positions in crop production, soil management, integrated nutrient management, forage production and related fields to contribute significantly with my technical knowledge and analytical skills for both human and animal welfare and also personal and organization excellence.

❖ AREA OF INTREST:

- Research and development
- Teaching
- Research analysis and technical assistance

ACADEMIC INFORMATION

Examination/ Degree passed	Subject/ Specialization	Board/ University	Passing year	Marks in %
Secondary (10^{th})	All compulsory	RBSE, Ajmer	2010	62.83%
Sr. Secondary (12^{th})	Agriculture	RBSE, Ajmer	2012	60.60%
B. Sc.	Agriculture	MPUAT, Udaipur	2017	65.90%
M. Sc.	Agronomy	ICAR-NDRI, Karnal	2020	81.10%
Ph. D.	Agronomy	ICAR-NDRI, Karnal	2024	84.00%
NET	Agronomy	ASRB, New Delhi	2021	87.56%
RSCIT	Computer	VMOU, Kota	2017	63.00%

❖ RECOGNITION AND AWARDS

S. No.	Name of Award	Organization	Year
1.	ICAR-JRF (Agronomy)	ICAR, New Delhi	2018
2.	ICAR-SRF (Agronomy)	ICAR, New Delhi	2021
3.	Dean Merit Award	ICAR-NDRI, Karnal	2022
4.	Best model prize (3^{rd})	ICAR-NDRI, Karnal (National Dairy Mela)	2020
5.	Best Poster Presentation	National Education Empowerment and Development Foundation with SAWBAR, IISR and CRD	2022
6.	Best Poster Presentation	National Environmental Science Academy with IGFRI, CAFRI and RLBCAU, Jhansi	2022
7.	Best Article Award	Agriculture and Food e-newsletter	2022
8.	Excellent Writing Award	Krishak Aradhana, Gwalior	2023

❖ RESEARCH WORK

a. Submitted dissertation on **"Evaluation of nutrient management practices for enhancing quality and productivity of fodder pearl millet"** during M.Sc. in Agronomy to ICAR-NDRI, Karnal, Haryana.

b. Submitted dissertation on **"Effect of agronomic biofortification through iron and zinc in wheat-baby corn under different tillage practices"** during Ph. D. in Agronomy to ICAR-NDRI, Karnal, Haryana.

❖ SKILLS AND TECHNIQUES ACQUIRED DURING RESEARCH

- **Conducting research trail:** Framing layout and practical knowledge on agricultural operations from sowing to harvesting including post harvest operations.
- **Observation recording:** Recording of biometric observations and use of instruments like SPAD meter, infrared thermometer, green seeker, leaf area meter and root scanner etc. for recording observation.
- **Soil and plant analysis:** Aware of analytical procedures and practical experience on estimation of physical, chemical and biological parameters of soil and plant samples.
- **Proximate analysis:** Practical knowledge on proximate analysis for fodder and feed quality estimation.
- **Statistical data analysis:** MS-excel, OP Stat, Correlation and regression analysis.
- **Technical writing:** Have knowledge on writing quality research papers, review papers, popular articles, book chapters, extended summaries, abstracts, technical manuals and leaflets etc.

❖ SCIENTIFIC PUBLICATIONS

✓ RESEARCH PAPERS

1) **Kumar, R.,** Ram, H., Kumar, R., Meena, R. K., Meena, B. L. & Kumar, D. (2023). Proximate composition and fibre fraction of pearl millet fodder as influenced by different nutrient management practices. *Indian Journal of Animal Research* 57(3): 334-339. (NAAS rating: 6.50).
2) **Kumar, R.,** Ram, H., Meena, R. K., Kumar, S., Kumar, B., Praveen, B. R. & Hindoriya, P. S. (2022). Nutrients Content, Uptake and Soil Biological Properties as Influenced by Various Nutrient Management Practices under Fodder Pearl Millet Cultivation. *Indian Journal of Ecology* 49(6): 2119-2124. (NAAS rating: 5.38).
3) **Kumar, R.,** Ram, H., Kumar, R., Meena, R. K., Kumar, S. & Meena, V. K. (2023). Nutritional Value and Energy Balance of Pearl Millet Fodder as Influenced by Different Nutrient Management Practices. *Indian Journal of Dairy Science* 76(3): 284-288. (NAAS rating: 5.24).
4) **Kumar, R.,** Ram, H., Kumar, S., Praveen, B. R., Kumar, B., Hindoriya, P. S. & Kumar, B. (2023). Micronutrients uptake and soil nutrients status affected by different nutrient management practices under fodder pearl millet cultivation. *Annals of Plant and Soil Research* 25(1): 64-69. (NAAS rating: 4.61).

5) **Kumar, R.,** Ram, H., Kumar, S., Kumar, R., Saxena, A., Singh, K., Manisha & Reddy, M. B. (2023). Growth, Productivity and Profitability of Fodder Pearl Millet as Influenced by Various Nutrient Management Practices. *Range management and Agroforestry*. Accepted. (NAAS rating: 6.80).
6) Manisha, Kumar, R., Ram, H., Meena, R. K., Kumar, D., **Kumar, R.** & Singh, K. (2021). Productivity and profitability of fodder cowpea cultivars under various zinc management practices in IGP of India. *Legume Research* 44(10): 1211-1218. (NAAS rating: 6.80).
7) Mallikarjun, Ram, H., Kumar, R., Singh, M., Meena, R. K. & **Kumar, R.** (2022). Effect of rhizobium inoculation and tillage practices on fodder cowpea (*Vigna unguiculata*). *Legume Research* 45(5): 608-613. (NAAS rating: 6.80).
8) Singh, K., Ram, H., Kumar, R., Meena, R. K., **Kumar, R.** & Manisha (2022). Effect of weed management practices on weed dynamics, nutrient depletion, productivity and profitability of summer mungbean (*Vigna radiata*) under zero tillage condition. *Legume Research* 45(6): 762-768. (NAAS rating: 6.80).
9) Manisha, Kumar, R., Ram, H., Tyagi, N., Meena, R. K., Kumar, D., **Kumar, R.,** Singh, K. & Min, D. (2022). Effect of zinc fertilization on nutritional quality of cowpea cultivars. *Legume Research* 45(8): 974-980. (NAAS rating: 6.80).
10) Singh, K., Ram, H., Kumar, R., Meena, R. K., Saxena, A., **Kumar, R.**, Kumar, A., Praveen B. R. & Kumar, P. (2023). Yield and seed quality of summer green gram as influenced by weed management under zero tillage. *Legume Research* 46(1): 69-74. (NAAS rating: 6.80).
11) Kumar, D., Sharma, S. K., Kumar, B., Kumar, S., Kashyap, S. & **Kumar, R.** (2022) Potential of Vermiwash Prepared from Different Combinations of Organic Wastes to Improve the Growth, Yield and Quality of Organic Black Gram. *Legume Research*, 1-7. DOI: 10.18805/LR-4957. (NAAS rating: 6.80).
12) Singh, K., Ram, H., Kumar, R., Meena, R. K., **Kumar, R.** and Manisha (2021). Fodder quality and yields of mung bean as influenced by different weed management practices. *Indian Journal of Animal Nutrition* 38(3): 233-239. (NAAS rating: 5.19).
13) Praveen, B. R., Lathwal, O. P., Dhaka, A. K., Garhwal, R. S., Singh, M., Rundan, V. & **Kumar, R.** (2022). Influence of planting geometry and nitrogen levels on nutrient content, uptake and soil fertility status in scented rice (*Oryza sativa* L.). *Indian Journal of Ecology* 49(3): 752-757. (NAAS rating: 5.38).
14) Kumar, D., Meena, R. K., Kumar, R., Ram, H., **Kumar, R.** & Koli, G. K. (2021). Fodder beet: A boon to improve livestock productivity through quality forage production in arid and semi-arid regions of India–A Review. *Forage Research* 47(3): 257-263. (NAAS rating: 4.76).
15) Meena, R. K., Hindoriya, P. S., **Kumar, R.**, Ram, H., Singh, M. & Kumar, D. (2023). Quality, productivity and profitability of diversified fodder-based cropping systems for year-round fodder production in Indo-Gangetic plains of India. *Range Management and Agroforestry* 44(1): 152-159. (NAAS rating: 6.80).
16) Kumar, A., Ram, H., Kumar, S., **Kumar, R.**, Yadav, A., Gairola, A. & Sharma, T. (2023). A comprehensive review of nano-urea vs. conventional urea. *International Journal of Plant & Soil Science* 35(23): 32-40. (NAAS rating: 5.07).

17) Kumar, B., Prasad, S. K., Singh, M., Kumar, D., **Kumar, R.** & Praveen B. R. (2023). Effect of crop geometry and nitrogen doses on crop growth and nutrients uptake in transplanted rice. *Annals of Plant and Soil Research* 25(3): 488-493. (NAAS rating: 4.61).

✓ EDITED BOOKS

1) Kumar, R., Pandey, A. K., Radhamani, T. and Patel, D. K. (2023). Sustainable Agriculture (Vol. I). Bhumi Publishing, Kolhapur, Maharashtra, India. ISBN: 978-93-88901-48-2.

2) Kashmiri, Z. N., Kumar, M., Dimple and **Kumar, R.** (2022). Agriculture Science: Research and Review (Vol. XI). Bhumi Publishing, Kolhapur, Maharashtra, India. ISBN: 978-93-91768-96-6.

3) Patil, D. A., Rana, B., Kale, P. J. and **Kumar, R.** (2022) Ecology Research (Vol. IV). Bhumi Publishing, Kolhapur, Maharashtra, India. ISBN: 978-93-91768-56-0.

✓ BOOK CHAPTERS

1) **Kumar, R.,** Ram, H., Meena, R. K., Kumar, R. and Kumar, S. (2022). Azolla Production: A green source of protein supplementation in livestock. In: Choudhary, S. K., Kumari, V., Meena, S. and Singh, S. (eds). *Advances in sustainable agriculture* (pp. 107-117). Anaamaya Prakashan, Jaipur. ISBN: 978-81-953236-2-3.

2) **Kumar, R.,** Ram, H., Meena, R. K., Kumar, S., Kumar, B. and Garg, K. (2022). Integrated Farming System for Livelihood Security of Small and Marginal Farmers under Changing Climate Scenario. In: Meena, R. K., Kumar, R., Ram, H. and Saxena, A. (eds). *Basics of Climate-Smart Technologies of Fodder Production and Conservation* (pp. 158-170). ICAR-NDRI, Karnal, Haryana. ISBN: 978-93-5680-877-5.

3) **Kumar, R.,** Ram, H., Choudhary, R. L., Kumar, S., Jareda, P., Praveen, B. R. and Kashyap, S. (2022). Potential of *Azolla* for Sustainable Crop and Livestock Production under Changing Climate Scenario. In: Meena, R. K., Kumar, R., Ram, H. and Saxena, A. (eds). *Basics of Climate-Smart Technologies of Fodder Production and Conservation* (pp. 192-207). ICAR-NDRI, Karnal, Haryana. ISBN: 978-93-5680-877-5.

4) **Kumar, R.,** Ram, H., Devi, B., Manisha, Kumar, B., Ali, G. and Kumar, A. (2023). Sugarcane as an Alternative Feed Resource for Successful Livestock Production and Climate Resilience. In: Biradar, N., Shah, R. A. and Ahmad A. (eds). *Recent Advances in Agricultural Sciences and Technology* (pp. 248-258). ICAR-IGFRI, SRRS, Dharwad & NADCL, Baramulla. ISBN: 978-93-91995-07-2.

5) Praveen, B. R., Sannagoudar, M. S., Chethan Babu, R. T., Rajanna, G. A., Singh, M., Kumar, S., **Kumar, R.** & Wasnik, V. K. (2023). Sustainable Use of Paddy Straw as Livestock Feed: A Climate Resilient Approach to Crop Residue Burning. In: Singhal, R. K., Ahmed, S., Pandey, S. and Chand, S. (eds). *Molecular Interventions for Developing Climate-Smart Crops: A Forage Perspective* (pp. 197-214). Singapore: Springer Nature Singapore. ISBN: 978-981-99-1857-7.

6) Reddy, M. B., Prasanth, Praveen, B. R., Sravani, P., Sravani, S., Kumar, A., Naveen, A., **Kumar, R.,** Reddy, G. R. M., Bedwal, S. & Singh, U. P. (2024). Beneficial Rhizobacterial Biomes: A Natural Drought Stress Alleviators for Sustainable Crop Production. In: Sayyed, R. Z. and Ilyas, N. (eds). *Plant Holobiome Engineering for*

Climate-Smart Agriculture (pp. 33-49). Singapore: Springer Nature Singapore. ISBN: 978-981-99-9387-1.

7) Praveen, B. R., Hegde, V., Singh, M., Reddy, M. B., Rundan, V., Chethan Babu, R. T., Prashanth, D. V., Sannagoudar, M. S., Rajanna, G. A., Sowmya, M. S., **Kumar, R.** & Kumar, S. (2024). Microbial Biostimulants: A Sustainable Approach Toward Potential Plant Nutrition and Improved Crop Production. In: Sayyed, R. Z. and Ilyas, N. (eds). *Plant Holobiome Engineering for Climate-Smart Agriculture* (pp. 215-233). Singapore: Springer Nature Singapore. ISBN: 978-981-99-9387-1.
8) Kumar, S., Meena, R. K., **Kumar, R.,** Kumar, B. and Praveen, B. R. (2022). *Moringa oleifera:* Fodder Wizard for Dairy Farmers to Get Year-Round Fodder Production. In: Meena, R. K., Kumar, R., Ram, H. and Saxena, A. (eds). *Basics of Climate-Smart Technologies of Fodder Production and Conservation* (pp. 180-191). ICAR-NDRI, Karnal, Haryana. ISBN: 978-93-5680-877-5.
9) Kumar, S., Meena, R. K., Kumar, D., Praveen, B. R. and **Kumar, R.** (2022). Anti-nutritional Factors in Forage Crops and Their Remediation. In: Meena, R. K., Kumar, R., Ram, H. and Saxena, A. (eds). *Basics of Climate-Smart Technologies of Fodder Production and Conservation* (pp. 245-256). ICAR-NDRI, Karnal, Haryana. ISBN: 978-93-5680-877-5.
10) Kashyap, S., Kumar S., Praveen B. R. and **Kumar, R.** (2022). Low light responses in plant and their adaptation. In: Rawat, A. K. and Tripathi, U. K. (eds). *Advances in Agronomy* (Vol. 19, pp. 1-12). AkiNik Publications, New Delhi. ISBN: 978-93-5570-238-8.
11) Kumar S., Kumar, B., Praveen B. R. and **Kumar, R.** (2022). Pulse Production constraints in India and way forward for realizing its potential productivity. In: Rawat, A. K. and Tripathi, U. K. (eds). *Advances in Agronomy* (Vol. 19, pp. 55-72). AkiNik Publications, New Delhi. ISBN: 978-93-5570-238-8.
12) Ram, H., Saxena, A., **Kumar, R.**, Meena, R. K., Garg, K. and Kumar, A. (2023). Quality Seed Production of Fodder Crops. In: Sharma, A. K., Mishra, C. N., Kamble, U. R., Kumar, A., Tyagi, B. S. and Singh, G. (eds). *Agri-preneurship development in seed sector for rural employment* (pp. 108-119). ICAR-IIWBR, Karnal, Haryana. ISBN: 978-93-5786-530-2.
13) Manisha, Phogat, P., Prasad, G., **Kumar, R.** and Kumari, P. (2023). Crop residue burning in Indo-Gangetic plains and its impact and management. In: Srivastava, R., Mahavar, P., Banerjee, M. and Bagade, S. M. (eds). Research trends in science and technology (volume I, pp. 53-68). Bhumi Publishing, Kolhapur, Maharashtra. ISBN: 978-93-88901-64-2.
14) Meena, R. K., Bagrecha, S., Ram, H., **Kumar, R.**, Saxena, A., Meena, S. K. and Kumar R. (2024). Soil health and its importance for sustainable farming. In: Meena, R. K., Ram, H., Saxena, A. and Kumar, R. (eds). *Natural farming: Basics and application* (pp. 32-40). ICAR-NDRI, Karnal, Haryana. ISBN: 978-81-964762-8-1.
15) Melavanki, M. S., Ram, H. and **Kumar, R.** (2024). Harmony with earth: embracing zero-budget natural farming for sustainable agriculture in India. In: Meena, R. K., Ram, H., Saxena, A. and Kumar, R. (eds). *Natural farming: Basics and application* (pp. 77-81). ICAR-NDRI, Karnal, Haryana. ISBN: 978-81-964762-8-1.

16) Sabal, S. K., Saxena, A., Kumar, A., **Kumar, R.** and Yadav, R. (2024). Holistic approach of weed management in organic production. In: Meena, R. K., Ram, H., Saxena, A. and Kumar, R. (eds). *Natural farming: Basics and application* (pp. 116-121). ICAR-NDRI, Karnal, Haryana. ISBN: 978-81-964762-8-1.

✓ **POPULAR ARTICLES**

1) **राकेश कुमार,** मनीषा और कुलदीप सिंह (सितम्बर, 2022). पोषक पशु आहार के लिए संकर नेपियर घास. ***खेती*** 75(05): 42–44.
2) **राकेश कुमार,** हरदेव राम, राजेश कुमार मीना और सन्दीप कुमार (दिसम्बर, 2022). हरे चारे के लिए मक्का. ***खेती*** 75(08): 30–32.
3) **राकेश कुमार,** हरदेव राम और राजेश (फरवरी, 2023). ग्रीष्मकालीन मूंग की खेती. ***खेती*** 75(10): 30–31.
4) **राकेश कुमार,** हरदेव राम, सन्दीप कुमार और राजेश कुमार मीना (अप्रैल, 2023). अजोला है पौष्टिक चारे का विकल्प. ***खेती*** 75(12): 6–8.
5) **राकेश कुमार,** हरदेव राम, सन्दीप सिंह, सन्दीप कुमार और ब्रजेश कुमार (अप्रैल, 2023). चारा चुकंदर से पशु पोषण सुरक्षा. ***खेती*** 75(12): 12–14.
6) **राकेश कुमार,** हरदेव राम, सन्दीप कुमार, बिरेन्द्र कुमार और ब्रजेश कुमार (अप्रैल, 2023). बेबीकॉर्न है चारा तथा आय का स्त्रोत. ***खेती*** 75(12): 31–33.
7) **राकेश कुमार,** हरदेव राम, सन्दीप कुमार मनीषा और ब्रजेश कुमार (सितम्बर, 2023). रागी की आधुनिक खेती. ***खेती*** 76(05): 30–32.
8) **राकेश कुमार,** हरदेव राम, मनीषा, बिरेन्द्र कुमार और अवनीश कुमार (नवम्बर, 2023). पूसा डीकम्पोजर : धान की पराली से खाद बनाएं. ***खेती*** 76(07): 47–48.
9) **राकेश कुमार,** हरदेव राम एवं सन्दीप कुमार (जुलाई, 2022). मृदा उर्वरता बढाने एवं पौष्टिक चारे की आपुर्ति हेतु लोबिया की उन्नत खेती. *राजस्थान खती प्रताप* 19(01): 12–13.
10) **राकेश कुमार,** हरदेव राम एवं सन्दीप कुमार (नवम्बर, 2022). बरानी क्षेत्रों में तारामीरा की उन्नत खेती. *राजस्थान खती प्रताप* 19(05): 08–09.
11) **राकेश कुमार,** हरदेव राम, सन्दीप कुमार, ब्रजेश कुमार और सूर्यकांता कश्यप (जुलाई–अगस्त, 2022). मृदा नमूना लेने की विधि. *मरुधरा कृषि* 3(04): 19–20.
12) **राकेश कुमार,** हरदेव राम, सन्दीप सिंह और बिरेन्द्र कुमार (सितम्बर–अक्टूबर, 2022). केंचुआ खाद : जैविक खेती के लिए वरदान. *मरुधरा कृषि* 3(05): 25–27.
13) **राकेश कुमार**, सन्दीप कुमार तथा सूर्यकांता कश्यप (दिसम्बर, 2021). शरद् ऋतु में हरे चारे की आपूर्ति के लिए जई की वैज्ञानिक खेती. *राजस्थानी खेती* 22(09): 41–43.
14) **राकेश कुमार,** सन्दीप कुमार, प्रतिभा जारेडा, फूलसिंह हिन्डोरिया, और ब्रजेश कुमार (सितम्बर, 2022). गाजर घास : जैव विविधता एवं पर्यावरण के लिए एक हानिकारक खरपतवार. *राजस्थानी खेती* 23(06): 23–25.
15) **राकेश कुमार**, सन्दीप कुमार, बिरेन्द्र कुमार और फूलसिंह हिन्डोरिया (जुलाई, 2022). पौष्टिक चारे की आपूर्ति हेतु राइस बीन की उन्नत खेती. *कृषक आराधना* 9(16): 07.
16) संदीप कुमार, राजेश कुमार मीणा और **राकेश कुमार** (अप्रैल, 2023). वार्षिक हरा चारा उत्पादन मॉडल. ***खेती*** 75(12): 27–30.
17) बिरेन्द्र कुमार, राजेश कुमार मीणा, **राकेश कुमार,** घौस अली और प्रकाश वर्मा (जनवरी, 2024). नेपियर संकर घास की उत्पादकता बढ़ाएं. ***खेती*** 76(09): 6–7.

18) बिरेन्द्र कुमार, राजेश कुमार मीणा, **राकेश कुमार,** सुप्रिया और अवनीश कुमार (नवम्बर, 2023). चारा फसलों के पोषणरोधी कारक. ***खेती*** 76(07): 22–23.

19) फूलसिंह हिन्डोरिया, **राकेश कुमार,** दीपक चन्द मीना और राजेश कुमार मीना (मार्च–अप्रैल, 2022). कैक्टसः शुष्क व अर्ध शुष्क क्षेत्रों के लिए मूल्यवान पशु चारा. *मरुधरा कृषि* 3(02): 21–23.

20) ब्रजेश कुमार, मगन सिंह, दीपक कुमार, **राकेश कुमार,** और सन्दीप कुमार (अक्टूबर, 2022). सरसों की उन्नत खेती एवं इसके विभिन्न उपयोग. *राजस्थानी खेती* 23(07): 19–22.

21) ब्रजेश कुमार, मगन सिंह, **राकेश कुमार,** दीपक कुमार, और सन्दीप कुमार (दिसम्बर, 2022). बीज प्राइमिंग अंकुरण बढ़ाने एंव जैविक और अजैविक तनाव प्रबंधन की उत्तम तकनीक. *राजस्थानी खेती* 23(09): 19–22.

22) ब्रजेश कुमार, मगन सिंह, दीपक कुमार, **राकेश कुमार,** और सन्दीप कुमार दिसम्बर, 2022). आधुनिक कृषि में प्लास्टिक का बढ़ता उपयोग. *प्रगतिशील खेती* (02): 24–27.

23) **Kumar, R.,** Kumar, S., Praveen, B. R. and Kumar, B. (2022). Azolla: An Emerging and Sustainable Feed Resource for Successful Livestock and Poultry Production. *Food and Scientific Reports* 3(9): 41-45.

24) Kumar, B., Singh, M., Kumar, D., Kumar, S. and **Kumar, R.** (2023). Ryegrass: A quality fodder for animals. *Indian Farming* 73(02): 24-26.

25) Manisha, Yadav, G., Yadav, R. K. and **Kumar, R.** (2023). Edible cactus: A promising supplementary fodder crop for saline arid regions. *Indian Farming* 73(03): 21-23.

26) Shilpashree, G. R., Ram, H., Meena, R. K., **Kumar, R.** and Saxena, A. (2023). Dual purpose wheat for fodder and grain production. *Indian Farming* 73(10): 11-13.

❖ CONFERENCE/WORKSHOP/SEMINAL

1) **Participated** in 2nd Asian Web Conference on Managing Hill Resources and Diversities for Zero Hunger and Climate Resilience organised by Soil Conservation Society of India from 12-13 February, 2021.
2) **Participated** in 5th International Agronomy congress on Agri Innovations to Combat Food and Nutrition Challenges organized by Indian Society of Agronomy from 23-27 November, 2021.
3) **Participated** in International Web Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences organized by Astha Foundation, Meerut, UP with CSAUAT, Kanpur; IGKV, Raipur; BAU, Ranchi; SKRAU, Bikaner; UAHS, Shivamogga and SSDAT, Meerut from 13-15 December, 2021.
4) **Participated** in 7th National Youth Convention on Food Security to Nutritional Security: Youth Perspective (FSNS-2022) organized by AIASA; TNAU, Coimbatore and ICAR, New Delhi from 24-25 March, 2022.
5) **Participated and poster presented** in 1st International Symposium on Cereals for Food Security and Climate Resilience organized by Society for Advancement of Wheat & Barley Research, (SAWBAR), Karnal with ICAR-IIWBR, Karnal, (Haryana) from 18-20 January, 2022.
6) **Participated and poster presented** in International Conference on Agriculture Science and Technology: Challenges and Prospects (AST-2022) organized by NESA, New Delhi with RLBCAU, Jhansi; ICAR-IGFRI, Jhansi and ICAR-CAFRI, Jhansi, (UP) from 6-8 May, 2022.

7) **Participated and poster presented** in Regional Conference on Prioritizing Crop-Specific Technology for Sustainable Profitability organized by National education empowerment and development foundation with SAWBAR, ICAR, IISR and CRD from 29-30 April, 2022.
8) **Participated and presented oral presentation** in 3rd international web conference on Natural Resource Management for Global Food Security and Sustainable Development Goals organized by ANRCM, Lucknow and KSNUAHS, Shivamogga from 2-3 December, 2022.
9) **Participated and presented oral presentation** in ISPP North Zonal Seminar-2022 on Inter-Disciplinary Research Strategies for Climate Resilient Agriculture organized by Indian Society for Plant Physiology and ICAR-Sugarcane Breeding Institute, Regional Center, Karnal, Haryana on 25 June, 2022.

❖ TRAININGS/WORKSHOPS/SHORT COURSES

1) Completed three-month training on **dairy farming** under Agri-clinics and Agri-business Centers Scheme of Govt. of India organized by Shashwat Sheti Vikas Pratishthan (SSVP), Udaipur, Rajasthan. Sponsored by MANAGE, Hyderabad from 04/05/2015 to 02-07/2015.
2) Completed 21 days training on **Advances in fodder production, utilization and conservation for improving livestock health, productivity and environment sustainability** organized by NADCL, Baramulla, Jammu & Kashmir with ICAR-IGFRI, Regional Research Station, Srinagar from 20/08/2020 to 09/09/2020.
3) Completed 21 days training on **Recent scientific interventions and practices of sugarcane breeding, production, protection and utilization for doubling farmers income** organized by NADCL, Baramulla, Jammu & Kashmir with ICAR-SBI, Coimbatore, Tamil Nadu from 01/12/2020 to 21/12/2020.
4) Completed 21 days summer school on **Recent Trends in Sustainable Livestock and Crop Production Technologies vis-à-vis Climate Change** organized by NADCL, Baramulla, Jammu & Kashmir with ICAR-IGFRI, Srinagar and Bihar Animal Sciences University, Patna, Bihar from 18/06/2022 to 08/07/2022.
5) Completed 15 days training on **Agriculture 2.0- A Next Level Approach Towards Sustainability, Smart Farming & Agri-Innovation** organized by Agro Environmental Education and Farmer's Welfare Society, Punjab and Just Agriculture-Magazine from 16/12/2021 to 30/12/2021.
6) Completed national training programme on **Climate Resilient Technologies for Rainfed Agriculture** organized by Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani under NAHEP sponsored by ICAR, New Delhi from 11-15 June, 2020.
7) Completed training on **Agri based technological interventions for entrepreneurship development in semi-arid zone** organized by ICAR-DRMR, Bharatpur with MANAGE, Hyderabad from 22-26, August 2022.
8) Completed national training on **Advances in weed management for sustainable agriculture organized by Indian society of weed science** and ICAR-DWR, Jabalpur from 13-18 December, 2021.

9) Completed national training on **Fodder Technology Innovations for Sustainable Livestock Production** organized by ICAR-IGFRI, Jhansi with MANAGE, Hyderabad from 1-5 August, 2022.
10) Completed online collaborative training programme on **Climate Smart Technologies for Improving Farm Productivity** organized jointly by the ICAR-Research Complex for Eastern Region, Patna (Bihar) and National Institute of Agricultural Extension Management, Hyderabad (Telangana) during 14-17 September, 2021.
11) Attended workshop on **Advanced Analytical Approaches to Appraise Vulnerability and Adaptation Strategies to Climate Change in Agricultural Sector** organized by ICAR-National Dairy Research Institute Karnal, Haryana. Sponsored by SERB, DST, Govt. of India from 25/04/2022 to 02/05/2022.
12) Participated in five days online workshop on **Climate Change: Management Strategies for Doubling the Farmers Income** organized by collage of fisheries, Central Agricultural University, Lembucherra, Tripura during 12-16 may, 2020.
13) Participated in six weeks online course on **Employment Generation among Rural Youth through Agripreneurship** organized by agMOOCs during 2020.
14) Completed six weeks online course on **Conservation Agriculture-based Sustainable Intensification** organized by agMOOCs during 2020.
15) Completed three months online course on **Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System** organized by Indian Institute of Remote Sensing, Dehradun, ISRO, Govt. of India, from 22-August to 25-November, 2022.
16) Completed 21 days national refresher course on **Resent Technologies of Livestock Based Integrated Farming System for Doubling Farmers Income** organized by Birsa agricultural university, Jharkhand, ICAR-NAHEP and NADCL, Baramulla, Jammu and Kashmir during 1-21 February, 2022.

❖ EXTRA CURRICULAR ACTIVITIES

1) Attended **"Combined annual training camp (Army attachment camp)"** during graduation from 30 July to 8 August, 2014 at Udaipur, Rajasthan.
2) Attended **"Combined annual training camp (Army attachment camp)"** during graduation from 4-13 January, 2016 at Ajmer, Rajasthan.
3) NCC **"B"** and **"C"** Certificate with **"B"** grade and **"Senior under officer"** Rank.
4) Honour **"Best NCC cadet"** given by RCA, Udaipur during academic session of 2014-2015.

❖ PERSONAL INFORMATIONS

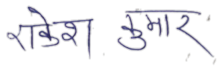
Permanent address	: S/O Shri Krishan Lal Village, 10 MK; PO, Muklawa; Tashil, Raisinghnagar District, Sri Ganganagar, Rajasthan, Pin code- 335039
Date of birth	: 16/06/1993
Gender	: Male
Marital status	: Married
Nationality	: Indian
Language	: Hindi, English and Punjabi

❖ **STRENGTHS:**

- Self confidence
- Good public speaking and presentation skills
- Capacity and willingness to work hard
- Adaptability to any work environment
- Optimistic in my career and time bound

DECLARATION

I, Rakesh Kumar, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.



Rakesh Kumar