Personal Details

Name : **Dr. Ashok Kumar Meena**

Designation : **Assistant Professor (GPB)**

Institute : **Rajasthan Agricultural Research Institute (SKNAU-Jobner) Durgapura, Jaipur, (Rajasthan) India-302018**

DOB : **10 June 1991**

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Education :

	Year	Institute	Subject
B.Sc.	2012	**SKRAU, Bikaner**	Agriculture
M.Sc.	2014	**ANGRAU, Hyderabad**	Genetics & Plant Breeding
Ph.D.	2018	**UAS, Dharwad**	Genetics & Plant Breeding

M. Sc. Thesis : During master I had done work on "Genetic Divergence in Elite Lines for Yield and Quality Attributes in Rice (*Oryza Sativa* L.)". The study aimed to identify lines with superior yield and quality traits, helping in the selection and breeding of high-performing rice varieties. Several research papers were published from the findings of the M.Sc. thesis, contributing to the field of rice genetics and breeding.

Ph. D. Thesis : In my Ph. D. research I worked on "Use of Broad Based Populations For Exploiting Heterotic Groups In Cotton (*Gossypium hirsutum* L.)" under the chairmanship of Dr. S.S. Patil. This dissertation explored the utilization of broad-based genetic populations to identify and exploit heterotic groups in cotton. Multiple papers were published based on this particular research.

Personal Profile :

With a clear vision to enhance national groundnut production and contribute to India's self-sufficiency in edible oils, I aim to harness modern and emerging breeding technologies to develop high-yielding, climate-resilient groundnut varieties. I am also actively involved in enhancing quality seed production through farmer-participatory programs, bridging the gap between research and field-level adoption. In teaching, I am dedicated to delivering strong,

impactful education in genetics and plant breeding, fostering a deep understanding and inspiring the next generation of researchers.

Work Experience :

Serving as an Asssiatant Professor, Division of Genetics & Plant Breeding, Sri Karan Narendra Agriculture, University, Jobner- Japur, India (2018 to till date). With specialized expertise in groundnut breeding, I have successfully developed two groundnut varieties and numerous breeding lines currently undergoing ICAR Coordinated trials at IIGR. My research experience also includes breeding programs for arid legumes like clusterbean and cowpea. In addition, I have guided four M.Sc. students and have taught more than 30 courses of Genetics and Plant Breeding to B.Sc., M.Sc., and Ph.D. students, accumulating over 8 years of teaching experience. Moreover, I am trying to establish a groundnut breeder seed hub at university over the past two years, dedicated to providing quality seeds to farmers.

Publications :

Book Chapter –**03**
Research Papers: **25**

Selected peer-reviewed publications :

S. No.	Title of Publication
1	Lokesh Kumar Verma, B. D. Biradar, Prashant Kariyannanavar, **A. K. Meena**, S. S. Patil, S. N. Chattannavar, V. S. Kubsad 2025. Exploring resilient restorers on *maldandi* MSsource (M31-2A): unraveling inheritance patternsand environmental effects on restorer genes. *Euphytica* (2025) 221:65.
2	O.P. Meena, M.R. Yadav, Vipin Kumar, S.K. Goyal, **A.K. Meena**, H.L. Yadav, V.K. Meena. 2022. Effect of Different Weed Management Practices on Weed Dynamics, Productivity and Farm Profitability of Cluster Bean. Legume Research **. (45) 1:128-131**
3	**AK Meena** and SS Patil. 2021. Path of productivity in derived f1s of stay green heterotic group of cotton (G. Hirsutum L.) The Pharma Innovation Journal. 10(7): 1667-1670-20.
4	**A.K. Meena**, S.S. Patil and L.K. Verma. 2021. Genetic Variability and Heritability Study in Double Cross F3 Lines of Cotton (*G. hirsutum* L.). Biological Forum -An International Journal 14(1): 656-660
5	**A.K. Meena,** S. S. Patil and L. K. Verma 2024. Genetic Variability and Heritability Study in Double Cross F2 Lines of Cotton (*G. hirsutum* L.). *Journal of Advances in Biology & Biotechnology* 27(5): 504-510.
6	Varsha Kumari, M.V.C. Gowda, S.B. Yeri, **Ashok Kumar Meena**, Priyanka

	Kumawat, S.S. Rajput, Bhuri Singh, B.L. Kumhar, Rajdeep Mundiyara and R.K. Meena 2024. Introgression of Foliar Disease Resistance into Cultivated species by Backcross Breeding from Synthetic Amphidiploids in Groundnut (Arachis hypogaea L.). *Biological Forum -An International Journal* 16(1): 151-155
7	Dr. Varsha Kumari, **Dr. Ashok Kumar Meena**, Dr. Deepak Gupta, Dr. B. L. Kumhar, Dr. Bhuri Singh, Dr. Heena Saheewala, Dr. G. K. Mittal, Dr. Giradhari Lal Yadav, Amarnath Dabaria, Rupnarayan Sharma, 2024. Exploring Biotechnological Advancement in Coriander Cultivation*:* A review. *International Journal of Seed Spice* 12(2):1-6
8	Lokesh Kumar Verma, BD Biradar and **AK Meena**. 2022. Heterotic grouping in rabi sorghum [Sorghum bicolor (L.) Monech] through diallel analysis. The Pharma Innovation Journal. 11(2): 1955-1957
9	Varsha Kumari, Ramesh Saini, Sharda Choudhary, S. B. Yeri, **Ashok Kumar Meena**, Bhuri Singh, Rajdeep M, Ashish Sheera, Kailash Chandra, Deepak Gupta and Amarnath Dabaria 2025. "Response of Abiotic Stress through Signaling in Plants: A review". *Plant Archives* 2025.
10	**A.K. Meena**, J. Suresh, CH. Surendar Raju and H.P. Meena.2016.Correlation and path analysis studies in rice (L.) genotypes of India *Oryza sativa. Green Farming* Vol. 7 (4) : 770-773.
11	**Ashok Kumar Meena**, J. Suresh, M. Mahanthesha and H. P. Meena, 2015. Genetic Variability, Heritability and Genetic Advance for Yield and Yield Components In Rice (*Oryza Sativa* L.) *The Ecoscan* 9 (3&4) : 1053- 1056.
12	**Ashok Kumar Meena**, J. Suresh, Vijay Pancholee, M. Mahanthesha and H.P. Meena Genetic Divergence of Newly Developed Thirty Eight Maintainer Lines of Rice (*Oryza sativa* L.) for Yield and Grain Quality Characters. *Int.J.Curr.Microbiol.App.Sci* (2017) *6*(4): 948-954.
13	**Ashok Kumar Meena**, Deshraj Gurjar, S.S. Patil and Bheru Lal Kumhar, 2017 Concept of Heterotic Group and its Exploitation in Hybrid Breeding . *Int.J.Curr.Microbiol.App.Sci* (2017) *6*(6): 61-73.
14	Lokesh Kumar Verma, BD Biradar and **AK Meena**. 2022. Assessment of Genetic Diversity in rabi Sorghum [*Sorghum bicolor* (L.) Monech] using D2 Statistics. Biological Forum -An International Journal 14(1): 800-803

Honors/Awards :

1. Awarded with RGNF scholarship, 2014 during Ph.D.
2. Awarded with ICAR-NET, 2014, 2015, 2016