

Brief Bio-data



Name	:	Babita Chaudhary
Designation	:	Principal Scientist (Plant Breeding)
Division	:	Crop Improvement and Seed Science
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Education: (Ph.D / MSc./Gradation)

S.No.	Institution/ University	Degree Awarded	Year	Discipline/ Subject
1	Kumaon University, Nainital, Uttrakhand	Ph.D.	2004	Botany
2	D.S.B.Campus Nainital, Kumaon University, Nainital, Uttrakhand	M.Sc.	1997	Botany
3	RGPG College, Meerut, Chaudhary Charan Singh University, Meerut, Uttar Pradesh	B.Sc.	1995	Science

Position and Employment (Starting with the most recent employment)

S. No.	Institution Place	Position/ Designation	Department/ Division	From (date)	To (date)
1	ICAR-Centarl Potato Research Institute Campus, Modipuram, Meerut, U.P.	Principal Scientist	Crop Improvement and Seed Science	08.05.2015	Till date
2	ICAR-Sunnhemp Research Station, (CRIJAF), Pratapgarh, U.P.	Senior Scientist	Crop Improvement	30.12.2010	7.05.2015

Major Area of Research:

➤	Genetics and Plant Breeding
➤	
➤	

List of 3-5 best research papers (Optional)

1. **Babita Chaudhary**, Dalamu, V.K. Gupta, S.K. Luthra and M. Kumar 2024 Morphological characterization of indigenous potato (*Solanum tuberosum* L.) genotypes. *Indian Journal of Agricultural Sciences* **94** (5): 528–533, May 2024/Article <https://doi.org/10.56093/ijas.v94i5.134417>
2. **Babita Chaudhary**, S K Luthra, Anuj Bhatnagar, V K Gupta, Dalamu, Vinod Kumar and Manoj Kumar 2023. Evaluation of potato (*Solanum tuberosum*) genotypes under heat stress condition. *Current Horticulture* **11**(1):44–47.<https://doi.org/10.5958/2455-7560.2023.00009.2>
3. Salej Sood, Vinay Bhardwaj, Vikas Mangal, Hemant Kardile, Bhawna Dipta, Ashwani Kumar, Baljeet Singh, Sundaresha Siddappa, Ashwani K. Sharma, Dalamu, Tanuja Buckseth, **Babita Chaudhary**, Vinod Kumar, N.K. Pandey 2024. Development of Near Homozygous Lines for Diploid Hybrid TPS Breeding in Potatoes. *Heliyon* **10** (24) e31507, pp1-11. <https://doi.org/10.1016/j.heliyon.2024.e31507>
4. Dalamu, S. K. Luthra, Jagesh K. Tiwari, Jagdev Sharma, Pinky Raigond, **B. Chaudhary** and Ashwani K. Sharma. 2023. Nutritional composition of potato (*Solanum tuberosum* L.) genetic resources *Current Science*, Vol. 124 (12) :1454-1461.
5. Dalamu, Jagesh Kumar Tiwari, Aarti Bairwa, Nisha Bhatia, Rasna Zinta, Nimisha Kaushal, Vinod Kumar, Ashwani K. Sharma, Sanjeev Sharma, **Babita Chaudhary**, Satish Kumar Luthra, Tanuja Buckseth, Rajesh K. Singh, Ajay K. Thakur, Manoj Kumar and Devendra Kumar 2023 Resistance Evaluation for Native Potato Accessions against Late Blight Disease and Potato Cyst Nematodes by Molecular Markers and Phenotypic Screening in India. *Life Basel* 2023, 13, 33. <https://doi.org/10.3390/life13010033>
<https://www.mdpi.com/journal/life>. pp1-13.
6. Dalamu, Ratna Preeti Kaur, Vinod Kumar, R Kumar, Vinay Bhardwaj and **Babita Chaudhary** 2022. Creation and validation of core subset of potato (*Solanum tuberosum*) germplasm. *Indian Journal of Agricultural Sciences* **92**(2): February 2022/Article. Pp164–168.
7. Dalamu, Jagdev Sharma, **Babita Chaudhary** and SK Luthra 2022. Utilization of indigenous potato (*Solanum tuberosum*) varieties as a source of micronutrient. *Indian Journal of Agricultural Sciences* **92** (1): January 2022/Article. Pp50-54.
<https://doi.org/10.5958/2455-7560.2023.00009.2>
8. <https://doi.org/10.5958/2455-7560.2023.00009.2>
9. RP. Kaur, SK. Luthra, **Babita Chaudhary**, Raj Kumar, Dalamu and Vinay Bhardwaj. 2023 Review Perspectives in consumer-oriented breeding for potatoes in India Online 04 Feb 2023 *Electronic Journal of Plant Breeding* Vol 14(1): 1-26
<https://doi.org/10.37992/22023.1401.008>
10. Ratna Preeti Kaur, **Babita Chaudhary** and Wasi Alam 2017. Associations among yield and yield contributing traits of potato (*Solanum tuberosum*) in north-western plains of India. *Indian Journal of Agricultural Sciences* **87** (10): pp1409–11.NAAS Jr. ID I028 ISSN 0019-5022.
11. VK Gupta, Vinay Bhardwaj, SK Luthra, Brajesh Singh, Devender Kumar, **Babita Chaudhary**, Sanjay Rawal, Kamlesh Malik, JS Minhas, Manoj Kumar, M Paratpara Rao and SK Chakrabarti 2023 Kufri kiran: a new heat tolerant potato variety. *Potato Journal* (2023) **50** (1): 45-54
12. SK Luthra, VK Gupta, **Babita Chaudhary**, Sanjay Rawal and Mehi Lal 2023 Kufri lohita: a new red skin potato variety. *Potato Journal* **50** (1): 77-88.