

Brief Bio-data



Name	:	Salej Sood
Designation	:	Senior Scientist
Division	:	Crop Improvement & Seed Technology
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Education: (Ph.D / MSc./Gradation)

S.No.	Institution/ University	Degree Awarded	Year	Discipline/ Subject
1	CSK HPKV, Palampur	Ph.D.	2005	Plant Breeding
2	CSK HPKV, Palampur	M.Sc.	2002	Plant Breeding
3	Dr. YSP UHF Nauri, Solan	B.Sc.	1999	Horticulture

Position and Employment (Starting with the most recent employment)

S. No.	Institution Place	Position/ Designation	Department/ Division	From (date)	To (date)
1	ITC R&D Centre, Hyderabad	Associate Scientist	Plant Breeding	16-10-2006	31-03-2010
2	ICAR-VPKAS, Almora	Scientist	Crop Improvement	13-05-2010	25-03-2017

3	ICAR-CPRI, Shimla	Scientist	Crop Improvement & Seed Technology	27-03- 2017	13-05- 2019
4	ICAR-CPRI, Shimla	Senior Scientist	Crop Improvement & Seed Technology	14-05- 2019	13-05- 2022
5	ICAR-CPRI, Shimla	Senior Scientist	Crop Improvement & Seed Technology	14-05- 2022	Till date

Major Area of Research:

➤	Biotic Stress Resistance Breeding
➤	Diploid hybrid TPS potato breeding
➤	Genomics assisted potato breeding

List of 3-5 best research papers (Optional)

1. **Sood, S.***, Bhardwaj, V., Mangal, V., Kumar, A., Singh, B., Dipta, B., Kaundal, B., Kumar, V. and Singh, B. (2024) Genome-wide association mapping to identify genetic loci governing agronomic traits and genomic prediction prospects in tetraploid potatoes. *Scientia Horticulturae* 328: 112900. <https://doi.org/10.1016/j.scienta.2024.112900>
2. **Sood S***, Bhardwaj V, Bairwa A, Dalamu, Sharma S, Sharma AK, Kumar A, Lal M and Kumar V (2023) Genome-wide association mapping and genomic prediction for late blight and potato cyst nematode resistance in potato (*Solanum tuberosum* L.). *Front. Plant Sci.* 14:1211472. doi: 10.3389/fpls.2023.1211472
3. **Sood S***, Joshi DC, Rajashekara H, Tiwari A, Bhinda MS, Kumar A, Kant L, Pattanayak A. (2023) Deciphering the genomic regions governing major agronomic traits and blast resistance using genome wide association mapping in finger millet. *Gene* 854:147115. doi: 10.1016/j.gene.2022.147115.
4. **Sood, S***, Bhardwaj, V., Kumar, V., Das, R., Gupta, V.K., Mangal, V., Luthra, S.K., Kumar, R., Kumar, S., Singh, R.K., Kumar, M., Rathore, A., Pandey, N.K. and Singh, A.K. (2022) Genetic progress in 50 years of potato breeding in India: Where do we stand? *European Journal of Agronomy* 141 (2022) 126620.
5. **Sood, S.*** Bhardwaj, V., Chourasia, K.N., Kaur, R.P., Kumar, V., Kumar, R., Sundaresha, S., Bohar, R., Garcia-Oliveira, A.L., Singh, R.K. and Kumar, M. (2022) KASP markers validation for late blight, PCN and PVY resistance in a large germplasm collection of tetraploid potato (*Solanum tuberosum* L.). *Scientia Horticulturae* 295: 110859.