

Brief Bio Data

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Salient Accomplishments Since 2016

Completed Externally Funded Projects as PI:

S.No.	Title of Project	Funding agency	Funds (Rs. Lakh)	As PI
1.	Induction of anthracnose resistant mutants in locally adapted genotypes of Rajmash (<i>Phaseolus vulgaris</i> L.) and their agronomic evaluation” funded by DAE-BRNS.	Department of Atomic Energy (DAE), BRNS Mumbai, India, July 2017 to September 2020.	31.0	PI
2.	Synthesis of new gene pool following introgression of disease resistance and drought tolerance genes from secondary (<i>Phaseolus coccineus</i> L.) and tertiary (<i>Phaseolus acutifolius</i> L.) gene pools into cultivated <i>Phaseolus vulgaris</i> L.” from July 2017 to December 2020 funded by Deptt of Science and Technology (DST-SERB).	Core Research Scheme-SERB.	35.00	PI
3.	Advancement of high yielding varieties of oilseeds through farmer’s participatory approach for quality seed production in Jammu region submitted under.	National Mission on Oilseeds and Oil Palm (NMOOP) Department of Agriculture and Cooperation.	26.65	PI
4.	Development of Bacterial Leaf Blight (<i>Xanthomonas oryzae</i> pv. <i>oryzae</i>) resistant mutants of locally cultivated traditional Basmati 370 of Jammu region”.	BRNS/DAE, Govt of India, May, 2018- May 2021	33.54	CoPI
5.	Collection, Conservation, Evaluation and Documentation of local Rajmash (<i>Phaseolus vulgaris</i> L.) germplasm of Poonch district for its genetic improvement.	2010-12 RKVY, J & K Govt. 2010-12.	100.00	CoPI

Ongoing externally funded projects as CoPI

S.No.	Title of Project	Funding agency	Funds (Rs. Lakh)	As PI/CoPI
1.	Farmers First Project entitled “Exploring economic opportunities for farmers of kandi villages through application of proven rainfed technologies”	ICAR 2020-21 to 2021-22	35.0	CoPI
2.	Training Demonstrations of Vegetables and Fodder Production through Hydroponics System in Jammu region of UT of J & K.	NABARD October 2020 to October 2022	13.39	CoPI

A. Externally Funded Projects under consideration as PI:

S.No.	Title of Project	Funding agency	Funds (Rs. Lakh)	As PI/CoPI
1.	Identification of QTLs associated with drought tolerance and anthracnose resistance of recombinant inbred lines of common bean (<i>Phaseolus vulgaris</i> L.).	DST/SER Core Research Grant Submitted: March 2021	54.32	PI
2.	Induction of anthracnose resistant and early maturing mutants in locally adapted genotype of horsegram (<i>Macrotyloma uniflorum</i> (lam) verdec.).	BRNS/DAE Submitted: May 2021	42.00	PI

Principal Breeder of Released Varieties of Pulses:

S.No.	Crop	Variety	Year of release	Agency
1.	Lentil	Jammu Lentil 71	2020	SVRC
2.	Lentil	Jammu Lentil 144	2020	SVRC
3.	Cowpea	Jammu Lobia Super 60	2020	SVRC
4.	Mungbean	JAUM0936	2022	SVRC
Varieties under evaluation in IVT				
1.	Chickpea	Jammu Chickpea -1	Under Testing-IVT	CVRC
2.	Chickpea	Jammu Chickpea- 2	Under Testing-IVT	CVRC

International Assignment:

1. Selected as Visiting Scientist-Plant Breeding at International Centre for Semi-Arid Agriculture (ICRISAT), Hyderabad Telangana in 2010.
2. Appreciation for Pre-breeding & Wide hybridization in Common bean under externally funded projects funded by DST and BRNS by *Dr Rajiv Kumar Varshney, Director Genetic Gains ICRISAT Hyderabad* in 2019.

Total number of Papers Published: 70, Research Papers Published Since April 2016: 23

List of 10 best papers published since April 2016 in International / National Journals

S.No.	Title of Paper	Name of Journal	NAAS Rating
1.	Sanjeev Kumar , Mohar Singh, MW Blair, Nikhil Malhotra, JP Sharma and Rucku Gupta (2021). Introgression of common bean species into the background of named landraces of north western Indian Himalayas towards diversification of cultivated gene pool.	Euphytica (2021) 217:52 https://doi.org/10.1007/s10681-021-02784-1(0123456789(),-volV)(01234567	7.61
2.	Sanjeev Kumar , Archana Joshi Saha, Sanjay Jambhulkar, JP Sharma, Rucku Gupta and Manmohan Singh (2021). Induced mutants of local landraces of Rajmash (<i>Phaseolus vulgaris</i> L.) and their mutagenic sensitivity and mutability.	Acta Scientific Agriculture 5.12 (2021): 10-16	6.87
3.	Sanjeev Kumar , Anil Kumar, Vikas Abrol, AP Singh and Anjani Kumar Singh (2020). Genetic variability and divergence studies in Mungbean (<i>Vigna radiata</i> L.) under rainfed conditions.	Indian Journal of Agricultural Sciences 90 (5): 905-908.	6.21
4.	Sanjeev Kumar , HK Choudhary, JP Sharma, Anil Kumar, Rubby Sandhu, Rucku Gupta, Vikas Gupta and Anjani Kumar Singh (2020). Study on genotype x environment interactions and AMMI analysis for agronomic traits in mungbean (<i>Vigna radiata</i> L. Wilczek.) under rainfed conditions.	Indian J. Genet. , 80(3): 354-358.	6.55
5.	Sanjeev Kumar , Praveen Singh, Sanjay Khar and Magdeshwar Sharma (2016). Variability and association studies and screening of genotypes against pea seed borne mosaic virus (psmv) in lentil (<i>Lens culinaris</i> medik) under NW Himalayas of Jammu and Kashmir.	Legume Research 39(1):26-30.	6.53
6.	Sanjeev Kumar , Praveen Singh and Magdeshwar Sharma (2017). Genetic divergence and stability (AMMI) study in desi chickpea (<i>Cicer arietinum</i> L.) under North Western Himalayas of Jammu and Kashmir, India.	Legume Research 40(5): 842-845.	6.53
7.	Sanjeev Kumar and Praveen Singh (2017). Stability by Additive Main Multiplicative	Legume Research 40(4):635-638.	6.53

	Interaction (AMMI) model & genetic diversity studies in micro and macro-sperma lentil (<i>Lens culinaris</i> L.) in mid hills of Jammu and Kashmir, India.		
8.	Sanjeev Kumar , Vishal Mahajan, Pawan Kumar Sharma and Suraj Parkash (2017). Impact of Front-Line Demonstrations on the Production and Productivity of Moong (<i>Vigna radiata</i> L.), Mash (<i>Vigna mungo</i> L.), Rajmash (<i>Phaseolus vulgaris</i> L.), Lentil (<i>Lens culinaris</i> L.) and Chickpea (<i>Cicer arietinum</i> L.) under rainfed ecology in mid hills of J & K, India.	Legume Research DOI:10.18805/LR-3816	6.55
9.	Sanjeev Kumar , Mohan Singh, Anil Kumar, Kuldeep Singh, J. P. Sharma and Vikas Gupta (2019). Development of drought tolerant, insect and wilt resistant variety of lentil (<i>Lens culinaris</i> L.): Jammu lentil-144 for rainfed areas of J & K.	Journal of Agrometeorology 21, Special Issue-1: 205-210.	6.47
10.	Sanjeev Kumar , Anil Kumar, Sonika Jamwal, Vikas Abrol, A.P. Singh, Brinder Singh and Jai Kumar (2021). Divergence studies of black gram (<i>Vigna mungo</i> L.) for selection of drought tolerant genotypes under rainfed conditions of North Western Himalayas in J & K, India.	Legume Research 44 (2:)158-163.	6.55

References:

Dr. S.K. Sharma Scientist Emiratus & Honorary Professor Former Vice Chancellor CSKHPKV, Palampur HP skspbg@yahoo.co.in	Dr Rajeev K. Varshney Director Genetic Gains ICRISAT Centre for System Biology & Genomics r.k.varshney@cgiar.org	Dr TR Sharma Vice Chancellor Carrier Point University Kota Rajasthan trsharma@hillagric.ernet.in	Dr. H.K. Choudhary Vice Chancellor CSKHPKV, Palampur (H.P.)
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Declaration: If I am given a chance, I will perform my duty to best of my abilities and wholehearted commitment.

(Sanjeev Kumar)