

CURRICULUM VITAE

PERSONAL PROFILE

- **Name** : Dr. Varsha Kumari, Assistant Professor, Department of Genetics and Plant Breeding, SKN College of Agriculture, SKN Agriculture University, Jobner, Jaipur, Rajasthan.
- **Father's Name** : Shri Sudhir Kumar Jha
- **Husband's Name** : Shri Vinod Tasiwal
- **Gender** : Female
- **Nationality** : Indian
- **Religion** : Hindu
- **Category** : General
- **Status** : Married
- **Linguistics** : Hindi, English, Marathi and Kannada



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EDUCATIONAL QUALIFICATION

Name of the Exam.	Year of Passing	University/Board	Class/Percentage of Marks	Subject of Specialization
Ph.D.	2014	University of Agricultural Sciences, Dharwad (Karnataka)	90.80%	Genetics and Plant Breeding
M.Sc.(Agri.)	2008	University of Agricultural Sciences, Dharwad (Karnataka)	92.5%	Genetics and Plant Breeding
B.Sc.(Agri.)	2006	Dr. P.D.K.V, Akola (Maharashtra)	88.8%	All subjects of Agriculture
H.S.C	1999	J.N.V Birauli, Samastipur, Bihar	74.2%	Biology

S.S.C	1997	J.N.V Birauli, Samastipur, Bihar	81%	Physics,chem,math, hindi etc
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CAREER OBJECTIVE

- To obtain good position with a progressive organization in the field of Agriculture.
- Seeking a career, this would challenge and stimulate my creativity and abilities by providing ample responsibilities and opportunities to grow along with the organization.
- Acquire skills and knowledge in the concerned field of work in the shortest possible time, where I can put my ideas into creative action by exercising my talent and techno-commercial knowledge to the fullest, open vistas.

FELLOWSHIPS

- **2 Gold medals, 2 Silver medals and 3 cash prize** for being university topper in B.Sc. (agri.), in Dr. P.D.K.V Akola, Maharashtra during 2007.
- **1200** overall Rank in the stream **A (Biology/Agriculture)** of ICAR **7th** All India Entrance Examination for admission to **UG**.
- **135** Rank in All India **ICAR-JRF** combined **AIEEA-2006** conducted by **Indian Council of Agriculture Research** (ICAR), New Delhi for M.Sc. (Agri.) Genetics and Plant Breeding.
- **UAS**, Merit Scholarship for M.Sc. in Genetics and Plant Breeding during 2006-2008.

ASRB/NET

- Qualified for **ARSNET, 2009** in Crop improvement conducted by (ICAR) Agricultural Scientist Recruitment Board, New Delhi-110012 (Roll No 09060096).
- Qualified for **ARS NET, 2010** and qualified ASRB main exam and called for interview in Plant Breeding conducted by (ICAR) Agricultural Scientist Recruitment Board, New Delhi-110012. (Roll No 090101020052).
- Qualified for **ARS NET, 2011** and qualified ASRB main exam and called for interview in Plant Genetics conducted by (ICAR) Agricultural Scientist Recruitment Board, New Delhi-110012 (Roll No 1101010186).

Experience–Research/Teaching

Post held	Organization	Pay Scale	Period		Nature of work
			From	To	
Research Associate (RA)	Dept of GPB, College of Agricultur, UAS, Dharwad	16000/- + HRA	25-10-2008	3-08-2009	Lab and Field work
Guest Faculty	Dept of PBG, SKN College of Agriculture, Jobner	400 per classes	July 2014	Nov. 2014	Graduation Teaching
JRF	Dept of PBG, SKN College of Agriculture, Jobner	12000/-+ HRA	2-2-2015	28-9-2015	Tissue Culture work
SRF	Dept of PBG, SKN College of Agriculture, Jobner	16000/-+ HRA	29-9-2015	27-3-2016	Tissue Culture work
Assistant Professor	School of Agriculture, Suresh Gyan Vihar University, Jaipur	27000/- pm	28-3-2016	19-7-2016	Graduation Teaching
Assistant Professor-I	Department of Agriculture JECRC University, Jaipur	19050- 40407/- pm	20-7-2016	27-01-2018	Graduation Teaching and research
Assistant Professor	SKNCOA, SKNAU, JOBNER	64, 900 BASIC +DA + HRA	20-02-2018	Continued	Teaching and research

P. G. SUBJECT SPECIALIZATION

M. Sc. (Agri.) in Genetics and Plant Breeding,

Research Title : “Morphological and molecular characterization of induced mutants in groundnut”.

Seminar I- Biochemical basis of flowering and fertilization in plants.

Seminar II – Proteomics in relation to salt tolerance in plants

Ph.D in Genetics and Plant Breeding, molecular work at ICRISAT

Research Title:“ Introgression of foliar disease resistance using synthetic amphidiploids and identification of associated QTLs in groundnut (*Arachis hypogaea* L.) ”.

Seminar I - “Multigene engineering in plants”.

Seminar II - “DNA Barcoding”

Seminar III- “EST sequencing and gene expression profiling of cultivated peanut with special references to foliar disease, oil quality and nutrition”.

Details of Research Papers Published:

S. N.	Author(s)	Title of paper /publication	Name of Journal/ publisher	Volume/ Issue/ ISBN No.	Year of publishing	NAAS Rating
1.	Varsha Kumari , M. V. C. Gowda and Ramesh Bhat	Molecular characterization of induced mutants in groundnut using random amplified polymorphic DNA markers	Karnataka Journal of Agricultural Sciences	ISSN: 0972-1061 Vol. 22 Issue 2: 276-279	2009	4.42
2.	Varsha Kumari , M.V.C.Gowda, Vinod Tasiwal and M.K. Meena	Morphological characterization of induced mutants in groundnut using RAPD Markers	Asian Journal of Bio Science	ISSN: 0973-4899 Vol. 6 Issue 1: 140-146	2011	3.54
3.	Varsha Kumari , Vinod Tasiwal, M.V.C. Gowda and M.K. Meena	Evaluation of rust and late leaf spot mapping RILs population in groundnut using <i>AhMITE1</i> Specific PCR	International Journal of Plant Protection	ISSN:0974-2670 Vol 5, Issue 1, 167-171	2012	4.59
4.	Varsha Kumari , Vinod Tasiwal, M.V.C. Gowda and M.K. Meena	Role of <i>AhMITE1</i> in the mutation and sub-specific differentiation of groundnut (<i>Arachis hypogaea</i> L.)	International Journal of Plant Sciences	ISSN: 0973-1547 Vol 7, Issue 2, 371-375	2012	4.31
5.	Varsha Kumari , M.V.C. Gowda and Vinod Tasiwal	Production of fertile and foliar disease resistant hybrids and backcross progeny between <i>Arachis hypogaea</i> and synthetic amphidiploids	Advance Research Journal of Crop Improvement	ISSN: 0976-5603 Vol 3, Issue 2, 139-143	2012	3.86
6	Varsha Kumari , and M.V.C. Gowda	Transfer of foliar disease resistance by crossing <i>Arachis hypogaea</i> and wild species	International Journal of Plant Sciences	ISSN: 0973-1547 Vol 9, Issue 1, 183-185	2014	4.31
7	Varsha Kumari , M.V.C. Gowda,	Diversification of primary gene pool through	The Crop Journal	ISSN 2214-5141	2014	12.60 5

	Vinod Tasiwal, Manish K. Pndey, Ramesh S. Bhat, Nalini Mallikarjuna, Hari D. Upadhyaya, Rajeev K. Varshney	Introgression of resistance to foliar disease from synthetic amphidiploids to cultivated groundnut (<i>Arachis hypogaea</i>)		2 (2 - 3) 110-119		
8	M.V.C. Gowda, R. S. Bhat, V. Sujay, P. Kusuma, Varsha Kumari , S. Bhat, Rajeev K. Varshney	Characterization of AhMITE1 transposition and its association with the mutational and evolutionary origin of botanical types in peanut (<i>Arachis spp.</i>)	Plant Systematics and Evolution	ISSN: 0378-2697 Vol. 291: 153-158	2011	7.36
9	Vinod Tasiwal, Varsha Kumari , V.I. Benagi and M. K meena	In vivo evaluation of salts, bioagents, hot water treatment and fungicides against anthracnose of papaya caused by <i>Colletotrichum gloeosporioides</i>	International Journal of Plant Protection	ISSN:0974-2670 Vol 5 Issue 1 :132-135	2012	4.59
10	M.V.C. Gowda, R. S. Bhat, B. N. Motagi, V. Sujay, V. Kumari , and B. Sujatha	Association of high frequency origin of late leaf spot resistant mutants with AhMITE1 transposition in peanut- short communication	Plant Breeding	ISSN: 0179-9541 Vol 129, Issue 5 : 567–569	2010	7.50
11	Varsha Kumari , Vinod Tasiwal and V.I. Benagi	Isolation, Identification and proving pathogenicity of <i>Colletotrichum gloeosporioides</i> , the causal organism of anthracnose of	Research Journal of Agricultural Sciences	ISSN:0976-1675 Vol 4, Issue 1 :28-32	2013	4.54

		papaya and growth studies on solid media				
12	Varsha Kumari and Vinod Tasiwal	Efficiency of carbon, nitrogen and sulphur sources for growth of <i>Colletotrichum gloeosporioides</i> , the causal organism of anthracnose of papaya (<i>Carica papaya L.</i>)	Research Journal of Agricultural Sciences	ISSN:0976-1675 Vol 4, Issue 1 : 62-65	2013	4.54
13	Sukruth, M and Paratwagh, S A and Sujay, V and Kumari , V and Gowda, M V C and Nadaf, H L and Motagi, B N and Lingaraju, S and Pandey, M K and Varshney, R K and Bhat, R S	<i>Validation of markers linked to late leaf spot and rust resistance, and selection of superior genotypes among diverse recombinant inbred lines and backcross lines in peanut (Arachis hypogaea L.).</i>	Euphytica	ISSN 0014-2334 Vol. 204 Issue 2: 343-351.	2015	7.62
14	Varsha Kumari , M.V.C. Gowda and Vinod Tasiwal	Marker trait association and phenotypic variations for late leaf spot and rust diseases in advance backcross populations in groundnut (<i>Arachis hypogaea L.</i>)	Journal of Global Biosciences	ISSN 2320-1355	2017	Impact factor- 1.115
15	Varsha Kumari , M. V. C. Gowda & S. B. Yeri	<i>Utilization of Advanced Backcross Population Derived from Synthetic Amphidiploid for Dissecting</i>	Tropical Plant Biology	ISSN 1935-9756 Vol. 13: 50-61.	2020	7.90

		<i>Resistance to Late Leaf Spot in Peanut (Arachis hypogaea L.)</i>				
16	Varsha Kumari , Sharanabasappa Yeri, Shyam Singh Rajput, Ram Kunwar, Manoj Kumar Meena and Girdhari Lal Kumawat	Genetic variability analysis for agronomical and productivity traits in introgression population between cultivated and synthetic amphidiploids in groundnut (<i>Arachis hypogaea</i> L.)	Journal of Plant Development Sciences	ISSN 0974-6382 Vol. 13(3): 149- 153.	2021	4.13
17.	Priyanka Kumawat, Manohar Ram, M.L. Jakhar, Varsha Kumari , D.K. Jajoria, B.R. Meena, S.S. Rajput and G.L. Kumawat	Effect of hydrogel and foliar spray of salicylic acid on productivity and profitability of taramira	Journal of Plant Development Sciences	ISSN 0974-6382 Vol. 13(3): 131- 135.	2021	4.13
18	Varsha Kumari , Priyanka Kumawat, Sharanabasappa Yeri, Shyam Singh Rajput	CRISPR-Cas9: A Genome Editing Tool in Crop Plants: A Review	Agricultural Reviews	ISSN 0253-1496 Doi:10.18805/ag. R-2298	2021	4.63
19	Varsha Kumari , Priyanka Kumawat, Shyam Singh Rajput, Manoj Kumar Meena and Mohan Lal Jakhar	Molecular markers and their role in crop Improvement	The Pharma Innovation Journal	ISSN 2349-8242, 10(9): 1348-1354	2021	5.23
20	Sarfraz Ahmad, ML Jakhar, Varsha Kumari , DK Gothwal and HR Jat	Comparative efficacy of different culture media on callus proliferation and regeneration of <i>Aloe barbadensis</i>	The Pharma Innovation Journal	ISSN 2349-8242 10(9): 685-688	2021	5.23
21	Harshit Chaturvedi, Sumer Singh Punia, D. K. Gothwal, Varsha Kumari* , A. C. Shivran, G. K.	Variability and Character Associatio	Biological Forum-An International Journal	ISSN 0975-1130 13(4): 679-686	2021	5.11

	Mittal, Khajan Singh, Shyam Singh Rajput and J. Soufmanien *Corresponding author	n in M₃ generation of Urd bean[<i>Vigna mungo</i> (L.) Hepper]				
22	Varsha Kumari	Role of Spontaneous and Induced Mutations in the Evolution of Groundnut (<i>Arachis hypogaea</i> L.)	Agriways	ISSN: 2321-8614 9 (2): 120-124	2021	3.05
23	Varsha Kumari , Priyanka Kumawat	Domestication to <i>De novo</i> domestication: Step Towards Gene Editing Revolution-Review	Agricultural Mechanization in Asia, Africa and Latin America	ISSN :0084 5841 52 (03): 1-26	2021	6.17
24	Sarfraz Ahmad, M. L. Jakhar, S.S. Rajput, S.S. Punia, Varsha Kumari and M.P. Ola	Morphogenetic effect of NAA (1-naphthalene acetic acid) on <i>in-vitro</i> propagation of <i>Aloe vera</i> ”	Biological Forum-An International Journal	ISSN: 0975-1130	2022	5.11
25	Sarfraz Ahmad, M. L. Jakhar, S. S. Rajput, Varsha Kumari , S. S. Punia and Anju Nehra	“Effect of Indole-3-acetic acid (IAA) on <i>in-vitro</i> regeneration of medicinal plant- Gwarpatta (<i>Aloe vera</i>)”	Biological Forum-An International Journal	ISSN: 0975-1130	2022	5.11
26	S.S. Rajput, Varsha Kumari , G.L. Yadav, S.S. Punia and Ram Kunwar	EXPLOITATION OF HETEROSESIS FOR SEED YIELD AND QUALITY TRAITS IN CROSSES OF FENNEL (<i>FOENICULUM VULGARE</i>	Journal of Plant Development Sciences	ISSN: 0974-6382 Vol. 14(2): 211-214.	2022	4.13

		MILL.)				
27	SS Rajput, Shravan Kumar Sharma, Varsha Kumari , Ram Kunwar, GL Kumawat, Giradhari Lal Yadav, Anil Kulheri, Ashok K Meena and SS Punia	Studies on genetic variability parameters and character association in fennel (<i>Foeniculum vulgare</i> Mill.) under semiarid conditions of Rajasthan	The Pharma Innovation Journal	ISSN 2349-8242, 11(4): 1828-1833	2022	5.23
28	Amarnath Dabaria Varsha Kumari* , Priyanka Kumawat, Shyam Singh Rajput, Ram Kunwar, Deepak Gupta and B.L. Kumhar *Corresponding author	Stability analysis in Green gram (<i>Vigna radiata</i> (L.) Wilczek) for agromorphological traits	International Journal of Tropical Agriculture	ISSN:0254-8755 Volume 40, Numbers (1-2); 167-171	2022	3.94
29	MK Meena, BB Dalei, K Pradhan, N Senapati, Amit Phonglosa, Manohar Ram, Ram Kunwar, Varsha Kumari , Deepak Gupta and RK Meena	Identification and evaluation of productive mutant of Niger (<i>Guizotia abyssinica</i> (CL.f.) Cass.) for different morphological characters in subsequent generations	The Pharma Innovation Journal	ISSN: 2349-8242, 11(6): 1388-1392	2022	5.23
30	Sarfraz Ahmad, M. L. Jakhar, S. S. Punia, Manohar Ram, S. S. Rajput, Varsha Kumari , Manoj Kumar Meena, Ram Kunwar, B. L. Kumhar, G. L. Kumawat	Relative efficacy of different culture media for <i>in-vitro</i> regeneration of <i>Aloe vera</i>	Agricultural Mechanization in Asia, Africa and Latin America	ISSN :0084 5841 53 (06): 1-9	2022	6.17
31	Priyanka Kumawat, L.R. Yadav, D.K. Jajoria, Varsha Kumari , Pankaj Kumar, B.R. Meena	Impact assessment of drip irrigation on field crops in India: A Review	Agricultural Mechanization in Asia, Africa and Latin America	ISSN :0084 5841 53 (05): 1-12	2022	6.14

32	BL Kumhar, D Singh, ML Jakhar, Varsha Kumari , Anju Nehra, Sarfraz Ahmad and NR Koli	Estimation of mean performance of quantitative characters in chickpea (<i>Cicer arietinum</i> L.) under irrigated and rainfed conditions	The Pharma Innovation Journal	ISSN: 2349-8242, 11(7): 2818--2824	2022	5.23
33	Amarnath Dabaria, Varsha Kumari* , Shyam Singh Rajput, Priyanka Kumawat, Ram Kunwar, D.K. Gothwal, Bhuri Singh, R.P. Ghasoliya, D.K. Jajoria, Anju Nehra and Poonam Kumari *Corresponding author	Genotype × Environment Interaction for Yield and Yield Determining Traits in Green Gram (<i>Vigna radiata</i> (L.) Wilczek)	Biological Forum – An International Journal	ISSN: 0975-1130 14(4): 71-75	2022	5.11
34	Varsha Kumari , Priyanka Kumawat, S.S. Rajput, Sharabasappa Yeri, D.K. Gothwal, Sharda Choudhary, B.L. Kumhar, Ram Kunwar, G.L. Kumawat	Application of DNA-free CRISPR/Cas-mediated Genome Editing in Crops: A Review	Agricultural Reviews	ISSN 0253-1496 Volume 44 Issue 2: 191-19810.18805/ag.R-2572	2023	4.63
35	Amarnath Dabaria, Varsha Kumari* , Shyam Singh Rajput, Priyanka Kumawat, Ram Kunwar, D.K. Gothwal, Bhuri Singh, R.P. Ghasoliya, D.K. Jajoria, Anju Nehra and Poonam Kumari *Corresponding author	Genotype × Environment Interaction for Yield and Yield Determining Traits in Green Gram (<i>Vigna radiata</i> (L.) Wilczek)	Biological Forum-An International Journal	ISSN: 0975-1130 14(4): 71-75	2022	5.11

36	BL Kumhar, D Singh, ML Jakhar, Varsha Kumari , Anju Nehra, Sarfraz Ahmad and NR Koli	Estimation of mean performance of quantitative characters in chickpea (<i>Cicer arietinum</i> L.) under irrigated and rainfed conditions	The Pharma Innovation Journal	ISSN: 2349-8242,11(7): 2818-2824	2022	5.23
37	Sarfraz Ahmad*, M. L. Jakhar, D. K. Gothwal, S. S. Punia1, S. S. Rajput1, Varsha Kumari , M. K. Meena, Ram Kunwar, B. L. Kumhar, G. L. Kumawat	EFFECT OF ACTIVATED CHARCOAL AND POLYVINYL PYR ROLIDONE ON MICROPROPAG ATION OF <i>ALOE VERA</i>	Scientist	ISSN: 0890-3670 SCI-3(3):204-214 204 https://doi.org/10.5281/zenodo.7697952	2023	7.72
38	T. Venu Yadav, M. K. Meena*, Varsha Kumari , Ram Kunwar, Manohar Ram and D. K. Gothwal	Current Breeding Approaches in Pearl Millet to Enhance the Nutritional Quality	International Journal of Environment and Climate Change	ISSN: 2581-8627 13 (8): 638-648	2023	5.13
	Ram Kunwar, S.R. Maloo, M. K. Meena, S.S. Punia, Varsha Kumari , Manohar Ram, Deepak Gupta, B. L. Kumhar, G. L. Kumawat, Prashant Bishan	Diversity in lentil (<i>Lens culinaris</i> M.) based over molecular markers	Agricultural Mechanization in Asia, Africa and Latin America	ISSN :0084 5841 54 (06): 1-18	2023	6.30
39	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	Introgression of Foliar Disease Resistance into Cultivated species by Backcross Breeding from Synthetic Amphidiploids in Groundnut (<i>Arachis hypogaea</i> L.)	Biological Forum-An International Journal	ISSN: 0975-1130 16(1): 151-155	2024	4.96

40	B.L. Kumhar, D. Singh, D.K. Gothwal, Varsha Kumari, Anju Nehra, Hansa Gurjar	Estimation of Genetic Variability Parameters and Character Association in F_2 Generation of Chickpea (<i>Cicer arietinum</i> L.) Crosses under Irrigated and Rainfed Conditions	Environment and Ecology	41 (4B) :2656-2665, ISSN 0970-0420	2023	4.87
41	PRIYANKA KUMAWAT, MANOHAR RAM, PANKAJ KUMAR, VARSHA KUMARI and RAJBIR SINGH KHEDWAL	Maximizing productivity, profitability and water use efficiency in Indian mustard (<i>Brassica juncea</i>) through hydrogel and salicylic acid	<i>Indian Journal of Agricultural Sciences</i>	94 (2): 145–149,	2024	6.30
42	Influence of Plant Growth Regulators (PGRs), Antioxidants, $HgCl_2$ and Photoperiod on in vitro shoot proliferation of Ashwagandha (<i>Withania somnifera</i>)—a medicinal crop	Varsha Kumari , D.K. Gothwal, Deepak Gupta, Priyanka Kumawat, Sharda Choudhary, Bhuri Singh, B.L.Kumhar, S.S.Rajput, Shailesh Marker, M.K. Meena, Ram Kunwar, Nisha Nehra, Usha Sabal, Aparna	International Journal of Seed Spices		2024	3.71
43	Exploring Biotechnological Advancement in Coriander Cultivation: A review	Varsha Kumari , Ashok Kumar Meena, Deepak Gupta, B. L. Kumhar, G. K. Mittal, Bhuri Singh, Heena Saheewala, Giradhari Lal	International Journal of Seed Spices		2024	3.71

		Yadav, Amarnath Dabaria, Rupnarayan Sharma				
44.	Ramesh Kumar Saini, Mohammad Imtiyaj Khan, Xiaomin Shang, Vikas Kumar, Varsha Kumari , Amit Kesarwani and Eun-Young Ko	Dietary Sources, Stabilization, Health Benefits, and Industrial Application of Anthocyanins—A Review	Foods	2304-8158 13, 1227. doi.org/10.3390/foods13081227	2024	11.20
45	Rajdeep Mundiyara, Giradhari Lal Yadav, Rohitash Bajiya, Ishwar Singh, Rahul Bhardwaj, Vikram Meena and Varsha Kumari	Genetic Variability and Character Association Analysis in Wheat (<i>Triticum aestivum</i> L.) in Saline Water Condition	International Journal of Bio- resource and Stress Management	15(7): 01-06 doi.org/10.23910/1.2024.5361	2024	5.40
46	Bhuri Singh, Vivechana Rajpoot, Rajesh Kumar, Varsha Kumari , Bhuvnesh Nagar, and Khajan Singh.	“Salinity- Tolerance Benchmarking in Fenugreek (<i>Trigonella</i> <i>Foenum-Graecum</i> L.) Accessions for Sustainable Crop Productivity”.	Advances in Research	26 (6):368–381. https://doi.org/10.9734/air/2025/v26i61556	2025	4.76
47	Singh R, Choudhary S, Kumari Varsha , Meena RS, Meena	Unlocking the Apiaceae: comprehensive	Journal of Agriculture and Ecology,	21: 1-13; https://doi.org/10.58628/JAE-2521-101	2025	4.69

	NK, Ravi Y & Verma AK	advances in agronomy, biotechnology, phytochemistry, and health applications of major seed spices.				
48	Varsha Kumari, Ramesh Saini, Sharda Choudhary, Priyanka Kumawat, Bhuri Singh, D. K. Gothwal, Ashish Sheera , Kailash Chandra , Ashok Kumar Meena , S. B. Yeri, Deepak Gupta , Rajdeep M, and Amarnath Dabaria	Response of Abiotic Stress Through Signaling in Plants: A Review	Advances in Research	Accepted for publication	2026	4.76

Popular articles

S. N.	Author(s)	Title of paper /publication	Name of Journal / publisher	Volume/ Issue/ ISBN No.	Year of publishing	NAA S Rating
1	Varsha Kumari and Vinod Tasiwal	<i>Application of Male Sterility in Plant Breeding</i>	Agrobios Newsletter	Vol XI, issue 01	June 2012	Popular article
2	Meena M.K., Varsha Kumari and Vinod Tasiwal	Role of Iron in Relation to Plant Nutrition	Agrobios Newsletter	Vol X, issue 3	August 2011	Popular

						article
3	Varsha Kumari and Vinod Tasiwal	Bt Cotton or Better Cotton?	Agrobios Newsletter	Vol X, issue 11	April 2012	Popular article
4	Vinod Tasiwal, Varsha Kumari , and Mukesh Kumar Meena	Tilling and Ecotilling	Agrobios Newsletter	vol XI, issue 02	July 2012	Popular article
5.	Varsha Kumari , Vinod Tasiwal and Mukesh Kumar Meena	Golden Rice: The potential of biofortification through genetic modification (from idea to reality)	Agrobios Newsletter	vol X, issue 9	Feb 2012	Popular article
6.	Vinod Tasiwal and Varsha Kumari	Bt brinjal and Controversy	Agrobios Newsletter	vol X, issue 9	Feb 2012	Popular article
7.	Vinod Tasiwal, Varsha Kumari and Mukesh Kumar Meena	Groundnut Diseases and Management	Agrobios Newsletter	vol X, issue 9	Feb. 2012	Popular article
8	Varsha Kumari	Hybrid Rice Seed Production Article ID: 12119	Agriculture & Food: E-Newsletter -	ISSN:258 1-8317 Volume 3 (10), 328-329	October 2021	
9	Varsha Kumari	DNA Barcoding	Readers Shelf	ISSN No.:2321-7405 Volume 18(1), 27-28	October 2021	
10	Varsha Kumari	Global Warming: Effects on Crops	Readers Shelf	ISSN No.:2321-7405 Volume 18(1), 28-30	October 2021	
11	Varsha Kumari	Quantitative Trait Locus (QTL) Mapping	Agriculture & Food: E-	ISSN:258 1-8317 Volume 3	November 2021	

		Article ID: 35012	Newsletter -	(11), 35- 36		
12	Varsha Kumari	The Polymerase Chain Reaction (PCR): Cloning DNA in the Test Tube Article ID: 35091	Agriculture & Food: E-Newsletter -	ISSN:258 1-8317 Volume 3 (11), 269-271	November 2021	
13	Varsha Kumari	Restriction Endonucleases Article ID: 35092	Agriculture & Food: E-Newsletter -	ISSN:258 1-8317 Volume 3 (11), 272-274	November 2021	
14	Varsha Kumari	Marker Assisted Selection (MAS)	Readers Shelf	ISSN No.:2321-7405 Volume 18(2), 49-51	November 2021	
15	Varsha Kumari	Artificial Intelligence (AI) in Agriculture Article ID: 35295	Agriculture & Food: E-Newsletter -	ISSN:258 1-8317 Volume 3 (12), 260-261	December 2021	
16	Varsha Kumari	Precision Farming Article ID: 35325	Agriculture & Food: E-Newsletter -	ISSN:258 1-8317 Volume 3 (12), 345-346	December 2021	
17	Varsha Kumari	Recombinant DNA Technology	Readers Shelf	ISSN No.:2321-7405 Volume 18(3), 23-25	December 2021	
18	Varsha Kumari	Blotting Techniques Article ID: 38260	Agriculture & Food: E-Newsletter	ISSN:258 1-8317 Volume 04 - Issue 10 – 168-170	October 2022	
19	Varsha Kumari	Gene Cloning Article ID:	Agriculture & Food:	ISSN:258 1-8317	October 2022	

		38261	E-Newsletter	Volume 04 - Issue 10 – 171-173		
20	Varsha Kumari	Foxtail Millet: Nurturing Future through Biofortification Article ID: 40749	Agriculture & Food: E-Newsletter	ISSN:2581-8317 Volume 05 - Issue 04, 451-453	April 2023	
21	Varsha Kumari	Molecular Farming Article ID: 40765	Agriculture & Food: E-Newsletter	ISSN:2581-8317 Volume 05 - Issue 04, 495-496	April 2023	

Lists of abstracts:

S.N.	Author(s)	Title of paper /publication	Name of Journal / publisher	Volume/ Issue/ ISBN No.
1	Kumari V, Gowda M.V.C, Tasiwal V, Bhat RS, Pandey MK, Varshaney RK	Introgression of foliar disease resistance using synthetic amphidiploids and identification associated QTLs in groundnut-	5 th International conference on next generation genomics & integrated breeding for crop improvement at ICRISAT, Hyderabad February 18-20, 2015	NGG-P-36
2.	Bhat RS, Sujay V, Mukri G, Khedikar YP, Sarvamangala C, Yeri SB, Jadhav SS, Pujer SB, Narasimhulu R, Varsha Kumari, Aaharudeen T, PM, Varshaney RK, Nadaf HL, Gowda	Utility of peanut mapping populations developed at UAS, Dharwad, India	VI International conference on legume genetics and genomics at ICRISAT, Hyderabad October 2-7, 2012	P-HGR13

	M.V.C			
3.	Varsha Kumari , M.L. Jakhar, Bhuri Singh, R.K Kuldeep, Sunita, Aparna, C. Kaushlya and R. Mundiyara	<i>In vitro</i> regeneration in <i>Aloe barbadensis</i>	The national seminar on Strategies for enhancing production of quality spices for domestic use and export at SKN Agriculture University, Jobner March 16-17, 2015	CI-15
4	Bhuri Singh, M.L. Jakhar, Varsha Kumari , R.K Kuldeep, Sunita, Aparna, K Choudhary and R. Mundiyara	Influence of photoperiod and temperature on micro-propagation of gwarpatha (<i>Aloe vera</i> L.)	The national seminar on Strategies for enhancing production of quality spices for domestic use and export at SKN Agriculture University, Jobner March 16-17, 2015	CI-14
5	M.L. Jakhar, Bhuri Singh, Varsha Kumari , R.K Kuldeep, Sunita, Aparna and K Choudhary	Influence of antioxidants on micro-propagation of gwarpatha (<i>Aloe vera</i> L.)	The national seminar on Strategies for enhancing production of quality spices for domestic use and export at SKN Agriculture University, Jobner March 16-17, 2015	CI-13
6	Sunita, M.L. Jakhar, Aparna, K Choudhary, R.K Kuldeep, Varsha Kumari , Bhuri Singh, and R. Mundiyara	<i>In vitro</i> regeneration in callus culture of coriander (<i>Coriandrum sativum</i> L.)	The national seminar on Strategies for enhancing production of quality spices for domestic use and export at SKN Agriculture University, Jobner March 16-17, 2015	CI-12
7	Varsha Kumari and Gowda M. V. C	Single Marker analysis to find the association between marker and disease resistance in Introgression populations in Groundnut (<i>Arachis hypogaea</i> L.)	International conference on Innovations in Plant and Animal Sciences for Sustainable Agriculture and Rural Development RARI, Durgapura December 7-9, 2019	IPASSAR D-2019 368

Hindi Articles:

S. N.	Author(s)	Title of paper /publication	Name of Journal/ publisher	Volume/ Issue/ ISBN No.and Year	Year of publishing
1	Varsha Kumari, Bhuri Singh and Priyanka Kumawat	प्रमाणित बीज	Jobner Krishi	Page No. 4-6	September, 2020
2	Dr. Priyanka Kumawat, Dr. A.C Shivran, Dr. D.K Jajoria and Dr. Varsha Kuamri	खरीफ की दलहनी व तिलहनी फसलों में खरपतवार प्रवंधन	Jobner Krishi	2020	2020
3	Varsha Kumari, Manoj Kuamr Meena, Priyanka Kumawat, Shyam Singh Rajput and Ram Kunwar	पौधों में उत्तक संवर्धन एवं इसकी महत्ता	Krishi Smarika 2021	107	2021
4	Priyanka Kumawat, L. R Yadav, D. K. Jajoria and Varsha Kumari	तिलहनी फसलों में गंधक की महत्ता	Krishi Smarika 2021	21	2021
5	Ram Kunwar, B. R Meena, A.K Meena, Priyanka Kumawat, and Varsha Kumari	मरुस्थलीयक्षेत्रों में गुग्गुल की खेती की संभावनाएं	Krishi Smarika 2021	50	2021
6	प्रियंका कुमावत, वर्षा कुमारी, पंकज कुमार	तिलहनी फसलों में गंधक का महत्व	कृषक जगत	5-6	मई 2022
7	शारदा चौधरी, रविन्द्र सिंह, वर्षा कुमारी	कोविड- एक वैश्विक महामारी: मसलों के सेवन से शारीर की प्रतिरोधक क्षमता का	मसाला सुरभि	18-20	जून 2021 (Late edition: Published in December 2021)

		विकास			

Ph. D. Students guided: 01

Anchal Agarwal

M.Sc. Students guided: 08

Amarnath Davariya

Vijaylaxmi

Rinku Yadav

Sarla Golia

Nisha Nehra

Usha Sabal

Anita Sunda

Premlata Nodal

Advisory Committee Member: 08

Hansa Gurjar

Aditya Gurjar

Harshit Chaturvedi

Sukhjot Singh

Neelam Prajapat

Saroj Verma

Prakash Nagar

Neha Kumari Gagar

Director Education Nominee: 03

Priyanka Yadav

Chandrakanta Jakhar

Shaily Purohit

Book published (04)

Genetics on Fingertips (2020): Ambika Book Agency, Jaipur, ISBN-978-81-87118-18-3.

Crucials of Plant Breeding (2022): Jain Brothers, New Delhi, ISBN: 978-93-90576-59-3

Edited Book: Research and Review in Genetics and Plant Breeding (2022), Volume – 1, **Bright Sky Publications, New Delhi, ISBN: 978-93-92804-14-4; As a Chief Editor**

Edited Book: Research and Review in Genetics and Plant Breeding (2023), Volume – 2, **Bright Sky Publications, New Delhi, ISBN: 978-93-92804-14-4; As a Chief Editor**

Edited Book: Research and Review in Genetics and Plant Breeding (2024), Volume – 3, **Bright Sky Publications, New Delhi, ISBN: 978-93-92804-14-4; As a Chief Editor**

Practical manual (02)

Fundamentals of Genetics, GBP-121, Varsha Kumari, Ram Kunwar, Manohar Ram and D. K Gothwal; 2020

Fundamentals of Plant Breeding, Manohar Ram, Ram Kunwar, Varsha Kumari and D. K Gothwal; 2020.

Book chapters:

1. Climate change effects on biodiversity, ecosystems, ecosystem services in Indian Context by Varsha Kumari, Priyanka Kumawat, D.K Gothwal and Bhuri Singh- Nova Science Publishers, New York, ISBN-978-1-68-507-614-6.

2. Quantitative trait locus (QTL) mapping in crop improvement by Sharanabasappa B. Yeri, Varsha Kumari, Radheshyam Sharma, Sumer Singh Punia, CRC Press, Taylor & Francis Group, New York, 227-236, DOI: 10.1201/9781003239932-13

3. Tissue Culture of Rare and Endangered Forest Plant Species of India by R.S. Sharma, Vikram Singh Gaur, Varsha Kumari, and S.R., Maloo. CRC Press, Taylor & Francis Group, New York, 49-61, DOI: 10.1201/9781003239932-13.

4. Allele Mining: Potential Tool for Accelerated Crop Breeding by Varsha Kumari, Priyanka Kumawat, Shyam Singh Rajput, Sharda Choudhary, Radheshyam Sharma, Atul Kumar Upadhyay, Bhuri Singh, Rajdeep Mundiyara and Mahesh Sharma. Apple Academic Press, US. CRC Press, Taylor & Francis Group.

5. Mutation and DNA Repair Mechanism by Varsha Kumari, Priyanka Kumawat and Dalip in book "Research and Review in Genetics and Plant Breeding (Volume - 1)". Bright Sky Publications, New Delhi, ISBN: 978-93-92804-14-4.

6. Genetic Engineering by Varsha Kumari in book "Research and Review in Genetics and Plant Breeding (Volume - 1)". Bright Sky Publications, New Delhi, ISBN: 978-93-92804-14-4.

7. Introduction and Applications of Marker Assisted Selection by Mukesh Kumar Poonia, Varsha Kumari, Ravinder Kumar, Raju Ram Choudhary and Savita Meena in book "Research and Review in Genetics and Plant Breeding (Volume - 1)". Bright Sky Publications, New Delhi, ISBN: 978-93-92804-14-4.

8. Precision Agriculture - Concepts, Techniques, Issues and Concerns for Indian Agriculture by Priyanka Kumawat, Pankaj Kumar, **Varsha Kumari** and Dinesh -accepted for publication in edited book titled, "Advances in Agriculture Sciences (Volume - 38)". Akinik Publications, New Delhi.

9. Modern role of essential oils in drug discovery and medicinal products, **Varsha Kumari**, Priyanka Kumawat, Surya Nandan Meena, Shyam Singh Rajput, Ramesh Saini, Sharda Choudhary, Bhuri Singh, S.B. Yeri, D.K. Gothwal, Radheshyam Sharma, Poonam Kumari and Sarfraz Ahmad, Progress in Biochemistry and Biotechnology, New Horizons in Natural Compound Research, Academic Press is an imprint of **Elsevier United Kingdom**, ISBN: 978-0-443-15232-0.

10. Concepts and Employment of Molecular Markers in Crop Breeding, 2023, **Varsha Kumari**, S. B. Yeri, Priyanka Kumawat, Sharda Choudhary, Shyam Singh Rajput, Ashok Kumar Meena, Ram Kishor Meena, Raj Kumar Meena, and Poonam Kumari in book Molecular Marker Techniques A Potential Approach of Crop Improvement by **Springer**, ISBN 978-981-99-1611-5
<https://doi.org/10.1007/978-981-99-1612-2>.

11. Application of Molecular Markers in Assessment of Genetic Diversity of Medicinal Plants, 2023, R. S. Sharma, Nairita Vaidya, S. R. Maloo, Ashish Kumar, Stuti Sharma, R. Shiv Ramkrishnan, and **Varsha Kumari** in book Molecular Marker Techniques A Potential Approach of Crop Improvement by **Springer**, ISBN 978-981-99-1611-5
<https://doi.org/10.1007/978-981-99-1612-2>.

4. Seminars/ conferences/ workshops/webinar attended/organized

Organized: 10 Days Entrepreneurial Short Course Training Series on Plant Tissue Culture & Micropropagation between 13th to 22nd December 2021.

Training attended:

21 Days Faculty Training Programme on Advances in Plant Tissue Culture Techniques at Biotechnology Cum Tissue Culture Centre (BTCC), Bhubaneshwar, between 23rd February to 15th March 2021.

Molecular Biology Tools and it's Application in Agriculture & Allied Sciences" from 1st to 14th December, 2021 organized by the centre of Excellence in Agri Biotechnology, College of Biotechnology, SPUAT, Meerut (U.P.)Webinar attended: More than 50

Conference attended: International conference on Agriculture, Horticulture and Plant Sciences by The Society of Tropical Agriculture dduring 25th -26th June 2022 at New Delhi.

Presented lead paper: International conference on Agriculture, Horticulture and Plant Sciences by The Society of Tropical Agriculture dduring 25th -26th June 2022 at New Delhi.

Delivered lecture on Practical Aspects of Biotechnology-Lab visit on 4.12.2021 in IVth orientation programme at SKNCOA, Jobner

5. Award Received:

Young Scientist Award-2022: by The Society of Tropical Agriculture during a International conference on Agriculture, Horticulture and Plant Sciences, during 25th -26th June 2022 at New Delhi.

Best Article Award for article hybrid rice seed production by **Agriculture & Food e-Newsletter**

Excellent Reviewer Award by Agricultural Reviews Journal **2022**

Outstanding Plant Breeder Award by Green Planet Agrotech Foundation, Odisha, 27-01-2023

Green Volunteer Certificate by Green Planet Agrotech Foundation, for safeguarding nature and mother earth.

Best Article Award for article “Blotting techniques” by Agriculture & Food e-Newsletter, 20-10-2022

Excellent Reviewer Award by Agricultural Reviews Journal-ARCC 2023

For article “Recent Advances and Achievements in Mutation Breeding of Fruit Crops: A Review”, 30-01-2023

Co-author in Best Poster Award in 9th Rajasthan Science Congress, December 15-17, 2022 by SKN Agriculture University, Jobner on Estimation of genetic divergence in restorer lines of Pearl millet, Hansa Gurjar, B. L. Kumhar, **Varsha Kumari**, M. L. Jakhar, D. K. Gothwal.

Award 2024:

Best Oral Presentation in Conference on Seed Spices and Allied Crops (CSSAC 2024) at ICAR-NRCSS, Ajmer during March 13-15, 2024 entitled “Influence of Plant Growth Regulators (PGRs), Antioxidants, HgCl₂ and Photoperiod on *in vitro* shoot proliferation of Ashwagandha (*Withania somnifera*)”—a medicinal crop.

Best Poster Presentation in Conference on Seed Spices and Allied Crops (CSSAC 2024) at ICAR-NRCSS, Ajmer during March 13-15, 2024 entitled “Exploring Biotechnological Advancement in Coriander Cultivation: A review.

Young Women Scientist Award by AGRI MEET Foundation and RVSKVV Gwalior in Agri Expo & Award Ceremony 2024.

Certificate of Excellence in Reviewing by International Journal of Plant & Soil Science, 29.01.2024.

Certificate of Excellence in Peer- Reviewing by BP International, 20.02.2024

Award 2025:

Editorial board member:

1. Agriculture & Food e-Newsletter-Odisha
2. Annals of plant sciences- (National Centre for Korea)
3. Journal of Plant Sciences (JPS)
4. International Journal of Agriculture and Plant Science
5. International Journal of Botany Studies- **Web of Science**
6. International Journal of Biological Sciences, ISSN: 2693-3608
7. Editor Review Committee in International Journal of Global Science Research (IJGSR) in NAAS

Reviewer:

1. Agriculture research communication centre(ARCC)

Agriculture Science Digest

Indian Journal of Agricultural Research

Legume Research

Agricultural Reviews

Bhartiya Krishi Anusandhan Patrika

2. Molecular plant pathology

3. Tropical Plant Biology- Springer Nature

4. Electronic Journal of Plant Breeding

5. Indian Society of plant breeding and Genetics

Information of membership in Scientific Society:

S.N.	Name of Scientific Society	Year of becoming member	Life/Annual
1	Indian Society of Genetics & Plant Breeding	2021	Life
2	Green Agri Professional Society	2020	Life
3	Trends in Biosciences	2021	Life
4	Advances in Life Sciences	2021	Life
5	Indian Society of Seed Spices	February 2024	Life

COMPUTER SKILLS

Advance diploma in computer education from ITCT, Nagpur with 81% marks in the year 2005 and can work efficiently on MS-Word, MS-Excel, MS-Power point and Internet browsing.

Special achievement

- Worked at **ICRISAT, Hyderabad** under **Dr. R. K. Varshney** for 8 month to finish QTL mapping of rust and LLS in groundnut for Ph. D thesis.

REFERENCES:

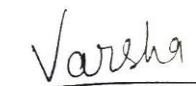
Dr. M. V.C Gowda(Guide) Retired Project co-ordinator, small millets GKV, University of Agricultural Sciences, Bangalore- 65, Karnataka, India. mvcgowdapb@gmail.com 09449973431	Dr. D. K Gothwal Professor and Head Department of Genetics and Plant Breeding S.K.N Agriculture University, Jobner-303329, Rajasthan gothwalgk.pbg@sknau.ac.in 9928845911
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DECLARATION

I hereby declare that all the above information provided is absolutely true to the best of my knowledge and belief.

Thanking you,

Yours faithfully,



(Varsha Kumari)