



Profile Summary

Dr. Anamika Kashyap is an Assistant Professor of Plant Biotechnology at Veer Chandra Singh Garhwali Uttarakhand University of Horticulture and Forestry (VCSG UUHF), Bharsar, Uttarakhand. She holds a Ph.D. in Molecular Biology and Biotechnology from Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, and has over seven years of research and teaching experience. Prior to joining VCSG UUHF, she served as a Research Associate at ICAR–National Institute for Plant Biotechnology (ICAR-NIPB), New Delhi, where she contributed to national and international research projects on climate-resilient crop improvement. She has published several research articles, book chapters, and review papers in reputed journals and has presented her work at numerous national and international conferences, including the 16th International Rapeseed Congress, Sydney, Australia. She is a recipient of the **Young Women Scientist Award (2021)** and the **SERB International Travel Grant (2023)** and is committed to advancing scientific research, innovation, and quality education in plant biotechnology.

Research Interests/ Specialization:

Plant tissue culture, plant molecular biology, molecular breeding, and biotic and abiotic stress biology.

Publications (Last 5 years):

Sr.No.	Authors and Title	Journal	Impact Factor	Volume No.	Year of Publication
1	Tripathi S, Garg P, Gupta S, Kushwaha R, Sharma J, Sharma SS, Kumari S, Kashyap A, Singh N, Yadav R, Bhattacharya R. Generational variation and stabilization in resynthesized allotetraploid Brassica juncea derived from diploid progenitors B. rapa and B. nigra.	BMC Plant Biology	5.6	--	2026

2	Garg P, Tripathi S, Kushwaha R, Sharma SS, Sharma J, Kumari S, Kashyap A, Choudhary R, Singh KK, Singh N, Yadav R. Genetic Analysis of Synthetic Brassica juncea Lines Developed by Hybridizing B. rapa and B. nigra for Broadening the Genetic Base of Indian Mustard.	Plant Breeding	1.7	--	2026
3	Sharma SS, Pandey A, Kashyap A, Goyal L, Garg P, Kushwaha R, Sharma J, Tripathi S, Kumari S, Thomas G, Verma M. CRISPR/Cas9: efficient and emerging scope for Brassica crop improvement.	Planta	4.4	262(1):14	2025
4	Garg P, Tripathi S, Kashyap A, Anil Kumar A, Kumari S, Singh M, Kushwaha R, Sharma SS, Sharma J, Yadav R, Gupta NC. Insights into early generation synthetic amphidiploid Brassica juncea: a strategy to harness maximum parental genomic diversity for improving Indian mustard.	Frontiers in Plant Science	5.9	13;16	2025
5	Kashyap A, Kumari S, Garg P, Kushwaha R, Tripathi S, Sharma J, Gupta NC, Kumar RR, Vishwakarma H, Bhattacharya R, Yadav R. Morpho-biochemical responses of Brassica coenospecies to glyphosate exposure at pre-and post-emergence stages.	Agronomy	4.1	10;13(7):1831	2023

6	Kashyap A, Kumari S, Garg P, Kushwaha R, Tripathi S, Sharma J, Gupta NC, Kumar RR, Yadav R, Vishwakarma H, Rana JC. Indexing resilience to heat and drought stress in the wild relatives of rapeseed-mustard.	Life	3.9	9;13(3):738	2023
7	Kashyap A, Garg P, Tanwar K, Sharma J, Gupta NC, Ha PT, Bhattacharya RC, Mason AS, Rao M. Strategies for utilization of crop wild relatives in plant breeding programs.	Theoretical and applied genetics	4.1	135(12)	2022
8	Choudhury S, Rao M, Kashyap A, Ahmaed S, Prasad L, Singh N, Chamola R, Bhattacharya R. Jasmonate mediated inducible accumulation of indole glucosinolates confers resistance against Alternaria blight disease in cruciferous wild species <i>Diplotaxis erucoides</i> .	Physiological and Molecular Plant Pathology	3.6	1;122	2022

Education:

S. No.	Examination	University/Board	Main Subject	Year of Passing
1	Secondary School	CBSE	All subjects	2005
2	Senior School	CBSE	Science	2007
3	B.Sc.	HNBGU	Biotechnology with CBZ	2010
4	M.Sc.	HNBGU	Biotechnology	2012
5	Ph.D.	GBPUAT	Molecular Biology and Biotechnology	2018

Work History:

Academic Experience			
Duration (From-To)	Post	Organization	Nature
16-08-2024 to present	Assistant Professor	VCSG UUHF	Permanent
Research Experience			

17-01-2022 to 14-08-2024	Research Associate	ICAR-NIPB	Contract
21-11-2020 to 31-12-2021	Research Associate	ICAR-NIPB	Contract
31-12-2018 to 15-11-2020	Research Fellow	ICAR-NIPB	Contract

Professional Activities:

Activity / Membership	Organization	Since
Life Membership	Indian Science Congress Association (L41072)	2022

Awards/ Achievements:

Awards/ Achievements	Organization	Year
GATE (Biotechnology)	-	2013
ICAR-NET (Agriculture Biotechnology)	ASRB	2014
U-SET (Life Science)	-	2017
Young Women Scientist Award	ATDS	2021
International Travel Support	SERB	2023

Publications:	
Total number of Research Papers	12
Total number of Papers presented in various conferences/symposium etc.	29
Books	-
Book chapters	5
Review papers	2
Lead papers	4
Popular articles	5
Technical bulletins	-
Souvenir	1