



• **Profile Summary**

Dr. Satish Chandra Pant is an Assistant Professor of Genetics and Plant Breeding in the Department of Crop Improvement at the College of Horticulture, VCSG Uttarakhand University of Horticulture and Forestry (UUHF), Bharsar, Pauri Garhwal. Holding a Ph.D. in Agricultural Botany (2008), an M.Sc. (Ag.) in Genetics and Plant Breeding, and dual ICAR-NET qualifications, he possesses nearly 24 years of academic, research, extension, and administrative experience in Himalayan agricultural ecosystems. His primary expertise focuses on crop improvement, genetic divergence, heterosis, and seed production in vegetable, field, oil seed and medicinal crops—exemplified by his contribution to the release team of the *Shekhar* linseed variety and the conservation of various vegetable genotypes. Dr. Pant serves in key administrative roles, including In-Charge of the Department of vegetable science, Department of Crop Improvement, In-Charge of Extension Activities, and In-Charge of the Security at CoH, VCSG UUHF. A dedicated post-graduate research mentor, he has guided 34 M.Sc. thesis students as Major Advisor and co-supervised 14 others, leading several ICAR-funded project initiatives (SCSP/TSP) focused on organic farming, vermicomposting, and capacity building for rural and tribal communities in Uttarakhand. Furthermore, he has authored over 60 research papers in peer-reviewed journals and actively facilitates outreach through extension programs, regional farmer workshops, and university examinations.

• **Research Interests/ Specialization**

Genetics and Plant Breeding

- Floral Biology & Pollination Behaviour
- Germplasm Evaluation & Biodiversity Conservation
- Genetic Architecture & Divergence Analysis:
- Heterosis & Combining Ability Studies
- Sustainable & Organic Crop Production

(Published Papers in Referred/Journals notified by UGC)

SL. No.	Title of Paper	Journal	ISSN No.	Volume No.	Year Of Publications
1	“Floral and pollen Morphology and fruit set of Hazelnut (<i>Corylus jacquemontii</i> Decne.) in the hilly conditions of Uttarakhand”	<i>Applied Fruit Science</i>	2948-2631	2 (67):436	2025

	N. Chandra, M. Negi, SC Pant , B. Mamgain and R. Sharma				
2	“Heterotic response and combining ability effect in tomato (<i>solanum lycopersicum</i> l.) for traits governing fruit quality under mid-hill conditions”. Sheetal Rana, Satish Chandra Pant , Avantika Devrani ¹ , Imamuddin Shah ² and Priyanka Panwar.	<i>Plant Archives</i>	2581-6063	25 (2) : 2133-2137	2025
3.	“Growth and yield responses of radish (<i>Raphanus sativus</i>) to different types and doses of organic manures in the mid-hill region of Uttarakhand. (Short communication)” Bhatt. H, Singh KC, Pant SC , Haobijam JW, Seram D, Bhosle TA, and Raturi G	<i>Indian Journal of Agriculture Sciences</i>	.. 0019-5022	95 (2):229-232	2025
4.	“Impact of organic manures and liquid formulations on garlic growth on yield and quality in Uttarakhand, India. “ Pragati Negi, Gargi Goswami, SC Pant , KC Singh, Pankaj Bahuguna and SK Verma	<i>Journal of Advance Biology and Biotechnology</i>	2394-1081.	27 (9): 370-378	2024
5.	“Performance evaluation of brinjal (<i>solanum melongena</i> L) under mid hill conditions of uttrakhand, India.” Harish A. SC Pant and Pankaj Bahuguna	<i>International journal of plant and Soil science.</i>	2320-7035	35(19): 2122-2132	2023

• **Education**

Sr. No.	Examination	University/Board	Main Subject	Year of Passing
1.	B.Sc. (Ag. & A.H.)	CSA Univ. of Ag. & Tech. Kanpur	Agriculture & A.H.	1995
2	M.Sc. (Ag.)	CSA Univ. of Ag. & Tech. Kanpur	Genetics and Plant Breeding	1998
3	Ph. D.	CSJM University Kanpur	Agricultural Botany (GPB)	2008
4	NET	ICAR (ASRB)	Plant Breeding	1999, 2001

• **Work History**

Academic Experience			
Duration (From-To)	Post	Organization	Nature
12.8.2024-Till date	Assistant Professor	College of Horticulture, VCSG UHF Bharsar	Permanent
13.8.2012-11.8.2024	Assistant Professor	College of Horticulture, VCSG UHF Bharsar	Contractual
5.9.2005-12.8.2012	Lecturer	Dept. of Horticulture, HNBGU (A Central University) Srinagar	Contractual

Administrative Experience			
Duration	Post	Organization	Nature
July-2013-Sept 2024	Office In- Charge	Dept. of vegetable science	Administrative and department resource management
Sept. 2024-till date	In- Charge	Dept. of Crop Improvement	Administrative and departmental resource management

• **Thesis Supervision** (PG)

S.No	Name of student with ID No.	Passing Year	Research Title	Name of Institution
1.	Mr. Tinku Kumar Sharma 13128	2015	Studies on combining abilities and heterosis in Brinjal (<i>Solanum melongena</i> L.)	CoH, VCSG UHF, Bharsar
2.	Mr. Chinmay Bhaskar Hegde 14125	2016	Heterosis and combining abilities studies for yield and horticultural traits in Capsicum (<i>Capsicum annuum</i> L. var. <i>Grossum</i> sendt.)	CoH, VCSG UHF, Bharsar
3.	Mr. Manoj Kumar Bundela 14116	2016	Selection parameters and divergence analysis in Chilli (<i>Capsicum annuum</i> L. <i>acuminatum</i> Fingerh.)	Do
4.	Mr. Pankaj 14118	2016	Correlation and path coefficient and divergence studies in Brinjal (<i>Solanum melongena</i> L.)	Do
5.	Mr. Thilak JC 15224	2017	Heterosis and combining abilities study for yield and other horticultural traits in Chilli (<i>Capsicum annuum</i> var. <i>acuminatum</i> Fingerth.)	Do
6.	Ms. Himani Rana* 15219	2017	Studies on genetic variability, heritability, correlation and path coefficient analysis in Bottle Gourd (<i>Lagenaria siceraria</i> (Mol.) Standl.)	Do
7.	Ms. Sonam Negi 14120	2017	Evaluation of French Bean (<i>Phaseolus vulgaris</i> L.) genotypes for yield and yield attributing traits in hilly region of Uttarakhand.	Do
8.	Ms. Kalpana Nirala 15220	2017	Effect of various organic manure with bio-fertilizers on growth and yield of Onion (<i>Allium cepa</i> L.)	Do
9.	Mr. Rajendra Singh Gariya 15218	2017	Character association and genetic divergence analysis in Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.)	Do
10.	Mr. Silaroo Raghuveer 15253	2017	Assessment of genetic divergence in Chilli (<i>Capsicum annuum</i> var. <i>acuminatum</i>) genotypes in mid hill region of Uttarakhand.	Do
11.	Mr. Kamal Kant Saini 15221	2018	Studies on genetic divergence in Bitter Gourd (<i>Momordica charantia</i> L.)	Do
12.	Mr. Harish A, 16220	2018	Genetic variability and divergence studies in Brinjal (<i>Solanum melongena</i> L) under mid hill condition of Uttarakhand	Do
13.	Ms. Sonam Rawat, 16216	2018	Effect of organic, inorganic fertilizers and their combinations on growth, yield and quality of Radish (<i>Raphanus sativus</i> L.) cv.	Do

			Japanese white	
14.	Mr. Anuj Patwal, 16219	2018	Characters association and genetic divergence analysis in Cabbage (<i>Brassica oleracea</i> var. capitata L.)	Do
15.	Ms. Ankita Dobhal, 16218	2018	Effect of plant growth regulators on growth and yield of Summer Squash (<i>Cucurbita pepo</i> L.) cv. Patty pan	Do
16.	Ms. Seema Joshi, 16217	2018	Effect of nitrogen applications on growth, yield and quality of Potato crop (<i>Solanum tuberosum</i> L.) cv. Kufri Jyoti	Do
17.	Ms. Ankita Nautiyal 17220	2019	Effect of sulphur, Magnesium and calcium on French Bean (<i>Phaseolus vulgaris</i> L.) cv. Pant Anupama.	Do
18.	Mr. Mohneesh Dabral 17219	2019	Effect of Micro-nutrients on growth and yield of Brinjal (<i>Solanum melongena</i> L.) cv. Arka Kusmakar	Do
19.	Ms. Pratiksha Rani 17222	2019	Effect of different plant growth regulators on growth and yield of Cucumber (<i>Cucumis sativus</i> L.) cv. Swarna Sheetal	Do
20.	Ms. Sheetal Rana 17217	2019	Studies on Heterosis and combining abilities in Tomato (<i>Solanum lycopersicum</i> L.) for yield and yield attributing traits.	Do
21.	Ms. Avantika Devrani 17218	2019	Heterosis and combining abilities studies for yield and yield attributing traits in Bell pepper (<i>Capsicum annuum</i> L. var. grossum Sendt).	Do
22.	Ms. Ravinder Kaur 17224	2019	Effect of plant growth regulators on growth and yield of Tomato crop ((<i>Solanum lycopersicum</i> L) cv. Best of all	Do
23.	Mr. Manas Negi, 18217	2020	Genetic Variability and Divergence Studies in Broccoli (<i>Brassica oleracea</i> var. italica Plenck) under playhouse conditions.	Do
24.	Ms. Priyanka Panwar 18220	2020	Studies on Line x Tester Analysis for Fruit Yield and Yield Attributing Traits in Brinjal (<i>Solanum melongena</i> L.)	Do
25.	Mr. Hemant 18222	2020	Studies on Line x Tester Analysis in Tomato (<i>Solanum lycopersicum</i> L.) for Yield and Yield Attributing Traits	Do
26.	Ms. Madhulata Pant 19219	2021	Studies on floral biology and effect of Bavistin and auxin on pollen viability in Tomato (<i>Solanum lycopersicom</i> L.) genotypes in temperate region of Uttarakhand.	Do
27.	Mr. Shrey Bhathawal 19220	2022	Studies on genetic Divergence and Path correlation Analysis in Fenugreek (<i>Trigonella foenum -graecum</i>) in the temperate condition of Uttarakhand.	Do
28.	Mr. Vishal Kumar* 20222	2022	Selection Parameters and Genetic divergence Analysis in Leafy Mustard (<i>Brassica juncea</i> L.) in temperate Region of Uttarakhand.	Do
29.	Ms. Jyoti 20216	2022	Evaluation of growth and yield parameters of different Genotypes of Amaranthus (<i>Amaranthus tricolour</i> L.) under temperate	Do

			region of Uttarakhand.	
30.	Ms. Shivani Bisht 21217	2023	Selection Parameters and Genetic divergence Analysis in Cabbage (<i>Brassica oleracea</i> var. <i>capitata</i> L.) in temperate Region of Uttarakhand.	Do
31.	Mr. Sarthak Kala 21224	2024	Studies on Selection Parameters and Genetic divergence Analysis of bush type of genotypes of French Bean (<i>Phaseolus vulgaris</i> L.) in Mid hills of Uttarakhand	Do
32.	Ms. Anjili Bhatt 22219	2024	Selection Parameters and Genetic divergence Analysis in Garlic (<i>Allium sativum</i> L.) in temperate Region of Uttarakhand.	Do
33.	Mr. Parikshit Sharma 23221	2025	Influence of foliar application of plant growth regulators on Broccoli (<i>Brassica oleracea</i> L. var. <i>italica</i>)	Do
34.	Mr. Ajay Chauhan 23222	2025	Assessment of growth, yield, and quality responses of Turnip (<i>Brassica rapa</i> L.) under the influence of different plant growth regulators.	Do

Publications:	
Total number of Research Papers	
	62
Total number of Papers presented in various conferences/symposium etc.	
	4
Popular articles	3
Technical bulletins	
Souvenir	