


1.	Name	Dr. TEJPAL SINGH BISHT	
2.	Designation	Subject Matter Specialist (Horticulture)	
3.	Qualifications	Ph. D	
4.	Contact Address, E-mail, Mobile Number	Krishi Vigyan Kendra College of Forestry, Ranichauri, Tehri Garhwal -249199 V.C.S.G. Uttarakhand University of Horticulture and Forestry, Bharsar, Pauri Garhwal, Uttarakhand, INDIA tejpalbisht23@gmail.com +91 8476004176 +91 9412938995	
5.	Discipline	Horticulture (Major: Fruit Science, Minor: Vegetable Science)	
6.	Area of Specialization	Plant Tissue Culture/ Micro Propagation of Horticultural Crops	
7.	Research Interest	<ul style="list-style-type: none"> ➤ To standardize complete protocol for micro-propagation of different horticultural and forestry plants. ➤ To promote high density apple plantation in Uttarakhand through production of quality tissue cultured dwarfing apple rootstocks. ➤ Germplasm conservation, evaluation and maintenance of different horticultural crops. ➤ Collection of underutilized vegetables crops germplasms and their use for developing varieties with nutritional security. 	
8.	Professional Experience	<ol style="list-style-type: none"> 1. Working as a Subject Matter Specialist (Horticulture) at KVK, Ranichauri, Tehri Garhwal, V.C.S.G. UUHF, Bharsar w.e.f. Oct. 22, 2013 to continue. 2. Worked as a Guest Faculty Teacher at HNB Garhwal University, Srinagar w.e.f. Nov. 24, 2011 to Dec. 31, 2011. 3. Worked as a Trainee at Flex Foods Ltd. Dehradun w.e.f. Feb 16, 2009 to May 31, 2009. 	
9.	Awards/Honors/Scholarship/Fellowship	<ol style="list-style-type: none"> 1. KMS Fellowship (2009-2011) 2. Best Paper Award (2011) 3. Best Paper Award (2016) 4. Young Scientist Award (2016) 5. Scientist of the Year (2017) 	
10.	Total Number of Publication (Referred Journal)	20 (Twenty) research papers in national and international journals.	
11.	Selected Publication (Best Five)	<ol style="list-style-type: none"> 1. T. S. Bisht, S. K. Sharma, R. C. Sati, V. K. Rao, V. K. Yadav, A. K. Dixit and A. K. Sharma (2015). Improvement of efficiency of oil extraction from wild apricot kernels by using enzymes. <i>Journal of Food Science and Technology</i>. 52(3):1543-1551. (NAAS Rating=7.26, Citations=8, Impact factor=1.241, ISSN=0022-1155). 	

		<p>2. T. S. Bisht, S. K. Sharma and B. Chakraborty (2015). Long term effect of different packaging materials on biochemical properties of wild apricot kernel oil. <i>International Journal of food and fermentation Technology</i>. 5(1):69-74. (NAAS Rating=4.03, Impact factor=1.504, ISSN=2249-1570).</p> <p>3. S. K. Sharma, T. S. Bisht, S. P. Chaudhary, V. K. Rao and V. K. Yadav (2013). Standardization of Technology for preparation and storage of wild apricot fruit bar. <i>Journal of Food Science and Technology</i>. 50(4):784-790. (NAAS Rating=7.26, Citations=28, Impact factor=1.241, ISSN=0022-1155).</p> <p>4. Tejpal Singh Bisht, Laxmi Rawat, Binayak Chakraborty and Vikas Yadav (2018). A Recent Advances in Use of Plant Growth Regulators (PGRs) in Fruit Crops: - A Review. <i>International Journal of Current Microbiology and Applied Sciences</i>, 7(05):1307-1336. (NAAS Rating=5.38, ISSN=2319-7706).</p> <p>5. Tejpal Singh Bisht, Laxmi Rawat and Pramod Narayan Singh (2016). Effcet of collection season, type and length of explants on callus induction and its survival in peach. <i>Journal of Hill Agriculture</i>. 7(2):215-221. (NAAS Rating=4.94, ISSN=0976-7606).</p>				
12.	Number of Books/Manuals/ Monographs	1. Book(s)	One (01)			
		2. Technical Manual	One (01)			
		3. Book Chapters	One (01)			
		4. Articles(s)	Seven (07)			
		5. Monographs	Eleven (11)			
13.	Research Project as PI/ Nodal Officer	Project Name	Funding Agency	From & To	Status of project	
		National Initiative on Climate Resilient Agriculture (NICRA)	ICAR	27/09/2014	19/07/2015	-
		All India Coordinated Research Project on Vegetable Crops (AICRP on Vegetable Crops)	ICAR	16/09/2016	Till Date	Continue
		All India Coordinated Research Project on Potato (AICRP on Potato)	ICAR	16/09/2016	Till Date	Continue

		All India Network Project of Outreach of Technologies on Temperate Fruits (AINP on Temperate Fruits)	ICAR	16/09/2016	Till Date	Continue
14.	Other achievements if any (please specify)	<ol style="list-style-type: none"> 1. Guided three (03) M.Sc. Biotechnology students on the topic “Tissue Culture Techniques for Horticultural Crops” from Modern Institute of Technology, HNBGU Srinagar, Uttarakhand, INDIA. 1. Guided two (02) M.Sc. Seed Science and Technology students, Dept. of Seed Science & Technology, College of Forestry, Ranichauri V.C.S.G. Uttarakhand for their M.Sc. thesis work as a member of advisory committee. 2. Attended six (06) days training on “Soil and Water Conservation & Water Harvesting Techniques for Officers/Scientists of KVKs organized at Central Soil and Water Conservation Research & Training Institute from May 27 to 31, 2014. 3. Attended four (04) days Training Programme on Farmers to Farmer Extension. Organized by National Institute of Agricultural Extension Management, Hyderabad at SAMETI-UK, Pantnagar from 25.11 2013 to 28.11 2013. 4. Attended one (01) day workshop on Kitchen Gardening: Aesthetic to Health, jointly organized by Departments of Horticulture and Vegetable Science on October 17, 2015, G.B.P.U.A &T, Pantnagar. 5. Attended Twenty One (21) days CAFT Training Programme on “Quality seed production of vegetable crops”. Organized by YS Parmar University of Horticulture and Forestry, Nauni, Solan, Himanchal Pradesh from 06.09. 2017 to 26.10.2017. 6. Evaluating elite lines of important underutilized vegetables including Vegetable Rai (<i>Brassica juncea</i>), Local Radish, Pahari Palak (<i>Spinacea oleracea</i>), Pahari Kheera (Cucumber) and Meetha Karela (<i>Cyclanthera pedata</i>). 7. Developed cultural practices in Vegetable crops for different situations of Uttarakhand hills. 				