

Curriculum Vitae

1.	Name	Prof. (Dr.) Parshant Bakshi
2.	Designation	Head , Fruit Science, Faculty of Horticulture & Forestry, SKUAST-Jammu
3.	Date of Birth	16-11-1976
4.	Contact address	Division of Fruit Science, Faculty of Horticulture & Forestry, SKUAST-Jammu, Main Campus, Chatha, Jammu. J&K, India-180 009
5.	Email & Mobile No.	parshantskuastj@gmail.com; 9419101601
6.	Professional experience	21 year's experience of teaching, research and extension
7.	Area of specialization	Fruit Production and Postharvest management
8.	Research interests	Fruit nutrition, physiology and characterization of fruit germplasm; Evaluation and Organic production of strawberry, Rejuvenation and High Density planting of fruit crops, Nutrient management of Dragon
9.	Awards/Honours/scholarships/fellowships	
	<ul style="list-style-type: none"> ❖ Awarded MASHAV fellowship by the Ministry of External Affairs, Israel, in 2012 for attending 24 days International R&D course on Postharvest Physiology, Pathology and Handling of fresh Commodities at Volcani Centre, Israel. ❖ Fellowship Award-2012 in International Conference on “Impact of Technological Tools on Food Security under Changing Global Scenario-2012” at Shobit University, Meerut. ❖ Best Citizen of India Award-2014 by International Publishing House, New Delhi ❖ Best Oral Presentation in 2015 on “Scenario and future prospects of micro-irrigation in India” in National Seminar on “Technology and Management of Micro-irrigation in Floriculture”. ❖ Represented India in an International Workshop and Regional Expert Consultation on Strengthening Mountain Agriculture Development and Food Security and Nutrition Governance organized by Food and Agriculture Organization (FAO), Rome at Beijing, China as an expert on Mountain Agriculture in India funded by Ministry of Agriculture, Government of India w.e.f. 30th October to 1st November, 2018. ❖ Appreciation from Hon'ble Vice-Chancellor SKUAST-J in Agrifest 2017, 2018 and 2019 as Convener, Cultural Committee. ❖ Awarded Best Language Film (Dogri) “<i>Walk and talk in Dogri: Strawberry Organic Farming</i>” in MANAGE Agri Film Festival 2022 held on 11th March, 2022 at National Institute of Agricultural Extension Management (MANAGE), Hyderabad. ❖ Awarded Best Language Film (Dogri) “<i>Get Quality Citrus by these Practices: Walk and Talk with Progressive Grower</i>” in MANAGE Agri Film Festival 2023 held on 22nd February, 2024 at National Institute of Agricultural Extension Management (MANAGE), Hyderabad. ❖ Conferred with the prestigious ‘Fellowship Award 2024’ by the Indian Academy of Horticultural Sciences (IAHS)-India's oldest professional horticultural society at the Indian Agricultural Research Institute (IARI), New Delhi, on 28th January, 2024. ❖ NAHEP-IDP SKUAST-J Scholarship 50-day visit of Prof. (Dr.) Parshant Bakshi to IPB University in Bogor, Indonesia, w.e.f 16th October to 5th December, 2023 focusing on the creation of educational content, valuable insights into dragon fruit production, delivering guest lectures, reviewing research papers and participation in an international conference. 	
10	Total no. of publications (referred journal)	Research papers: 142; Review papers: 16; Books: 18; Book Chapters: 23; Manuals: 09; Popular articles: 45; Technical Bulletins: 25; Abstract: 164

11.	Research projects as PI/ Co-P.I					
	A: External funded: Total (26) P.I. 06; Co-P.I. 20 of national & regional importance, sponsored by ICAR, DBT, DST, MIDH, RKVY, NABARD, HTM(MM-1), ICAR-Experiential Learning, HADP.					
	B. University funded: Total (26) P.I. 05; Co-P.I. 21					
	Principal Investigator of following External funded Projects					
	Title	Funding Agency	Period		Status	Amount (in lakhs)
			From	To		
	1. Agro-technique refinement and suppression of anar butterfly in wild pomegranate (<i>Anardana</i>) under Jammu province Chatha (as PI)	HTM (MM1) ICAR	2005	2007	Completed	18.00
	2. Determination of quality and harvest maturity of commercially grown fruit crops in Jammu subtropics (PI)	HTM (MM1)	2011	2013	Completed	20.50
	3. Training and demonstration on rejuvenation of old/un-productive orchards of Jammu sub-tropics (PI)	MIDH	2015	2017	Completed	17.50
	4. Skill Development in Natural Farming with eco- friendly marketable product generation (as PI)	ICAR - EL	2022	-	Ongoing	60.00
	5. Promotion of niche crops in UT of J&K (<i>anardana</i>)	HADP	2023	-	Ongoing	46.00
	6. Alternate Agriculture systems for Sustainability (as PI)	HADP	2023	-	Ongoing	484.00
12.	Other achievements, if any					
	a. As Major Advisor:	Total : 20	M.Sc: 10	Ph.D: 10		
		i. Guided: 17	M.Sc.: 10	Ph.D: 07		
		ii. Guiding: 03	M.Sc.: -	Ph.D: 03		
	b. As Advisory Committee member:	Total : 116	M.Sc: 70	Ph.D: 32	B.Sc.: 14	
		i. Guided: 78	M.Sc.: 46	Ph.D: 24	8	
		ii. Guiding: 38	M.Sc.: 24	Ph.D: 08	6	
➤ No. of Radio talks delivered: 17 ➤ No. of T.V talks delivered: 15 ➤ Life member of Professional Horticultural Societies: 16 ➤ Number of Conferences/symposium/seminar attended: 26 ➤ Member of University Examination Cell, SKUAST-J (13 years) from November, 2012 till date. ➤ Member Secretary, Equipment for Central Purchase Committee (CPC) for 2014-15 and 2015-16. ➤ As Member Secretary Board of Studies, Faculty of Agriculture conducted 13th to 16th meeting and Member Secretary, Faculty of PG Studies conducted XV to XVII meeting ➤ External examiner for paper setting and evaluation of answer sheets. ➤ Involved to promote agriculture through web portal www.krishisandesh.com one of the leading sites of India in agriculture from March 2010. ➤ Member of Joint Inspection Team (JIT) from Ministry of Agriculture, Govt. of India for monitoring of projects under MIDH and RKVY for J&K. ➤ Nodal Officer, Krishi Vishavidhalaya Chattr Alumni Network						

13.	<p>Major Achievements</p> <p>❖ Recommendations for Fruit crops: Developed 25 region-specific protocols for fruit crops-covering topics like varietal suitability, irrigation schedules, and integrated nutrient management. These technologies are now part of the Package of Practices for Fruit crops 2022 of SKUAST-J for Jammu region. The major 5 recommendations include</p> <p>i. Rejuvenation of old/senile/unproductive mango orchards I assisted in Rejuvenation of approx. 400 mango plants of 100 years old of cv. Dashehari at Raj Bhawan, Jammu during (2009-2012) and also at farmers field (Sh. Vidya Sagar Sharma) during 2011-14 at Marh Block. This rejuvenation exercise subsequently bore a success as at present the rejuvenated mango plants are bearing fruits. https://www.youtube.com/watch?v=el5rFy-IMWc</p> <p>ii. Wedge grafting in guava Wedge grafting with polytubes in guava has been standardized for <i>in vivo</i> and <i>in vitro</i> conditions in Sardar cultivar of guava. Under <i>in vitro</i> conditions (poly house) maximum graft intake success upto 94.88 % when wedge grafting was carried out in the winter season by covering the grafts with polytubes incorporated in pp 34. of PoP for Fruit crops 2022 of SKUAST-J</p> <p>iii. Technology for drying of wild pomegranate (<i>Anardana</i>) Sun drying for 38 hours is recommended for drying of wild pomegranate (<i>Anardana</i>). Use muslin cloth for hygienic drying instead of gunny bags for drying on rooftops. Small poly tent structures can be used for septic drying of <i>anardana</i>. These recommendations are incorporated in package of practices for Fruit crops 2022 at pp. 58.</p> <p>iv. Mulching and Foliar nutrition for qualitative improvement in shelf-life of strawberry: Mulching of strawberry cv. Chandler on 9th October along with black polythene mulch under subtropical conditions of Jammu has been recommended as it resulted in maximum growth, yield, quality and runners. For improving the quality and the shelf-life of strawberry cv. Chandler, foliar application of 0.6 % FeSO₄ sprayed 30 days and 80 days after planting results in maximum vegetative growth whereas 0.6 % ZnSO₄ application improves quality of Chandler cv. Strawberry. For enhancing the shelf-life upto 60 hours of Chandler cv. of strawberry, it has been recommended to apply CaCl₂ 0.6 per cent twice i.e. 30 and 80 days after planting. This recommendation has been incorporated in the PoP for Fruit crops 2022 of SKUAST-J pp 141. The strawberry cvs. Nabila, Rania and Winter Dawn are recommended for cultivation in Jammu sub tropics.</p> <p>❖ Establishment of Quality Control Laboratory: Established, a Quality Control Laboratory at Faculty of Agriculture, Chatha for the determination of quality and harvest maturity of commercially grown fruit crops in Jammu subtropics wherein studies on maturity of sub-tropical fruits was standardized. The facility is now being used by PG students for biochemical analysis of fruits.</p> <p>❖ Bio-Control Laboratory: Bio-Control Laboratory at Advanced Centre for Horticulture Research (ACHR), Udheywalla was made fully functional for producing approx. 2.0 tons Trichoderma and supplied to Department of Agriculture/ horticulture, progressive orchardists and farmers of Jammu region during 2017-18.</p> <p>❖ Faculty of Horticulture and Forestry: I was involved in implementation, coordination of newly introduced Faculty of Horticulture and Forestry established in 2021 in SKUAST-J as well as preparation and development of course curriculum for the students in this newly established Faculty and first batch of 37 students successfully completed degree in July, 2025.</p> <p>❖ Initiation of PG in Organic Farming: The PG programme has been started in Organic Farming under aegis of Faculty of Agriculture, SKUAST-Jammu with the intake capacity of 04 students during Academic year 2022-23. At present, 8 students are pursuing M.Sc (Agri.) in Organic</p>
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	<p>Farming enrolled during 2023-24 and 2024-25 and 4 students were awarded with M.Sc (Agri) in Organic Farming under my Headship.</p> <p>❖ Course Coordinator for (03) skilled training course on Establishment of Nursery for Quality Planting Material, Rejuvenation of Old Orchards under project 20 aimed at Production of Designer Plants for Promotion of High Density, and (01) skilled training course on Organic Inputs Production and Utilization, as well as Certification and Marketing Procedures for Organic Produce under project 16 tailored for Daksh Kisan under the Agriculture Production Department, J&K UT. These programs included course content in English and Hindi, MCQ's, instructional videos (17 no.) and (11 no.) in Hindi and Dogri alongside relevant literature.</p> <p>❖ Course Director for a successful completion of 30-day Certificate Course from November 17th to December 16th, 2022, in collaboration with the Regional Centre for Organic and Natural Farming, Ghaziabad on Organic & Natural Farming designed for rural youth and students funded by Ministry of Agriculture and Farmer's Welfare.</p> <p>❖ Input validation and Bio Control Unit: A laboratory for production of Biopesticides and Biofertilizers in liquid form that ensures the timely availability of a range of bio-control agents for the field functionaries of the allied departments and farming community with foremost goal to enhance the agriculture and horticulture production in a sustainable manner is established at Centre for Organic and Natural Farming, SKUAST-J under HADP Project no 16 on Alternate Agriculture System for Sustainability amounting to Rs. 3.00 Cr. This laboratory has fully Automatic Bio-fertilizer unit for mass production of Bio input having capacity of 1400 litre per month alongwith other equipments like Real Time PCR machine, water bath, Laminar air flow, Autoclave, Moisture meter, BOD Incubating shaker and Soil moisture Sensor, Online UPS, Electrophoresis Unit for biopesticide and bio analysis laboratory.</p> <p>❖ Promoting Organic Farming: Delivered 20 comprehensive recommendations on organic production across cereals, pulses, vegetables, and fruits covering biopesticide use, composting, green manuring, and crop rotations.</p> <p>Administrative Experience: Head of the Division in the University</p> <ul style="list-style-type: none"> ➤ Professor (from 2018 to 2025) SKUAST-Jammu ➤ Head, Division of Fruit Science (from November 07, 2022 to 2025), SKUAST-Jammu ➤ Incharge, Centre for Organic and Natural Farming (CONF), Chatha (from October 10, 2022 to July 28, 2025), SKUAST-Jammu- <i>Additional Charge</i> ➤ Head, Advanced Centre for Horticulture Research (ACHR), Udheywalla (from November 07, 2016 to 2017), SKUAST-Jammu .
14.	<p>Varieties Released (04): i. Jammu Mango (Selection 5) as Co-breeder by CVRC, New Delhi in 2018</p> <p>ii. PARBAT Walnut as Principal Breeder by CVRC, New Delhi in 2024</p> <p>iii. Jammu Lime 1 and Poonch Walnut as Co-breeder by SSSC, J&K UT in 2022</p>
15.	Patents: 01 Granted; 05 Applied
16.	<p>YouTube: There are 500 videos on high density planting, pit preparation, planting of fruit plants, demonstration of Panhgavya, Jeevamrit, on my youtube channel</p> <p>https://www.youtube.com/results?search_query=parshant+bakshi</p>
17.	<p>Google Scholar: Google Citation 2060; h index 24</p> <p>https://scholar.google.com/citations?user=jISIVgMAAAAJ&hl=en</p>
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(PARSHANT BAKSHI)