1.	Name	Dr. Parshant Bakshi
2.	Designation	Associate Professor, Fruit Science-cum-Head
3.	Contact address	Advanced Centre for Horticulture Research, Udheywalla, SKUAST-J,
		Talab Tillo, Jammu, J&K, India – 180 018
4.	Email	bakshi_parshant@rediffmail.com; parshantskuastj@gmail.com
5.	Mobile No.	09419101601
6.	Professional experience	12 years experience of teaching, research and extension
7.	Awards/honours/	Awarded MASHAV fellowship by the Ministry of External Affairs,
	scholarships/	Israel, in 2012.
	fellowships	Best Poster Presentation in "Studies on impact of climate and
		irrigation on peach cultivars under Jammu subtropics" in I st J&K
		Agricultural Science Congress organized by SKUASI-Kashmir.
		* Best Poster Presentation in Sundrying: An ideal method for wild
		Congress organized by SKUAST Lammu
		★ Fellowshin Award-2012 in International Conference on "Impact of
		Technological Tools on Food Security under Changing Global
		Scenario-2012" at Shobit University. Meerut.
		◆ Best Poster Presentation in 2014 on "Influence and auxin and planting
		date on survival and rooting of semi-hard wood cuttings of phalsa" in
		National Symposium on Natural Resource Management and
		Sustainable Hill farming System for Livelihood Security
		* Best Citizen of India Award-2014 by International Publishing
		House, New Delhi
		Seest Oral Presentation in 2015 on "Scenario and future prospects of
		Management of Mioro invigation in Florioulture"
		Management of Micro-Irrigation in Floriculture A Best Poster Presentation in 2015 on "Biochemical changes in fruits of
		seven guaya cultivars during different stages of rinening" in National
		Seminar on "Technology and Management of Micro-irrigation in
		Floriculture"
8.	Area of specialization	Fruit Production
9.	Research interests	Fruit Physiology and characterization of fruit germplasm
10	Total no. of publications	Research papers: 65; Review papers: 06
	(referred journal)	
11	Selected publications	Bakshi, P. ; Kumar, R; Wali, V.K. and Bhushan, B. 2015. Studies on
		influence of ethrel on ripening and quality of persimmon. Indian
		Journal of Agricultural Sciences. 85 (9): 1181-84.
		Baksni, P. ; Jasrotia, A.; Wali, V.K.; Sharma, A. and Baksni, M. 2015. Evolution of different conta (Embling officinglig Coarts).
		2015. Evaluation of different aonia (<i>Emblica officinalis</i> Gaerin.)
		Himplayes Indian Journal of Agricultural Sciences 85 (6): 1012-16
		on variability in physico-chemical traits and multiplication of different
		Daru collections. Indian Journal of Horticulture. 71(1): 11-15.
		Bakshi, P. ; Jasrotia, A.; Wali, V.K.; Sharma, A. and Bakshi, M.
		2013. Influence of pre-harvest application of calcium and micro-
		nutrients on growth, yield, quality and shelf-life of strawberry cv.
		Chandler. Indian Journal of Agricultural Sciences. 83(8): 831-835.
		★ Bakshi, P. and Masoodi, F.A. 2010. Effect of pre-storage heat
		treatment on enzymological changes in peach. <i>Journal of Food Science</i>
1		& Technology. 4 7(4):461-464.

No. of books/Manuals/	Books: 07; Manuals: 09; Popular articles: 30; Monographs: 05;					
Monographs/Bulletins	Technical Bulletins: 08					
Research projects as PI/	Title		Funding	Per	iod	Status
Nodal Officer			Agency	From	То	(Ongoing/
	A gro-t	echnique refinement and	ICAR	2005	2007	Completed)
	suppre	ssion of anar butterfly in wild	ICAK	2005	2007	Completed
	pomeg	ranate (Anardana) under				
	Jammu	province Chatha (as PI)				
	Detern	nination of quality and	ICAR	2011	2013	Completed
	harves	t maturity of commercially				
	subtro	nuit crops in Janninu				
	Introdu	iction and evaluation of spur	SKUA	2005	2007	Completed
	type a	nd colour mutants of apple	ST-J			r r
	and pe	ar in Doda district				
	Effect	of various calcium and	SKUA	2009	2011	Completed
	micro-	nutrient treatments on shelf	ST-J			
	anana	snawberry (<i>Fragaria</i> x ssa Duch) cy Chandler (as				
	PI)	sta Daen.) ev. chandler (us				
	Trainii	ng and demonstration on	MIDH	2015	-	Ongoing
	rejuver	nation of old/un-productive				
	orchar	ds of Jammu sub-tropics (as				
 Other achievements if	PI) Studon	ts guided as				
any	Major	us guiucu as advisor: M Sc. – 04: Co. Adv	isor B S	a = 06.1	M So -	$0.4 \cdot Ph D = 0.2$
ully	Major a	4	1801. D.S	c.= 00, 1	wi.sc.=	04, FII.D=02
	Studen	ts under guidance as	DC	02.1	10	
	Major a	dv_{1sor} : Ph.D.= 04; Co-Advi	sor: B.Sc	.= 02; N	1.5c.=	10; Ph.D = 0/
	> No.	of radio talks delivered: 0.	3			
	> No.	of T.V talks delivered: 12	2			
	► Life	Life member of Professional Horticultural Societies: 08				
	S.No	Name of Society		P	eriod	
	1.	The Horticultural Society of I New Delhi	ndia,	Life-n	nember	(from 2001)
	2.	The Horticultural Society of H Haryana	Haryana,	Life-n	nember	(from 2005)
	3.	Society for Promotion of Hor Bangalore	ticulture,	Life-n	nember ((from 2012)
	4.	Indian Society for Dryland Horticulture, Bikaner		Life-n	nember ((from 2012)
	5.	Hi-Tech Horticultural Society	, Meerut	Life-n	nember	(from 2013)
	6.	Indian Society of Hill Agricul Pantnagar	lture,	Life-n	nember	(from 2013)
	7.	Indian Society of Horticultura	ıl	Life-n	nember	(from 2013)
		Research & development, Par	ntnagar		-	/
	8.	The Society for Horticultural and Development, Ghaziabad	Research	Life-n	nember	(from 2013)
	> Att	ended 10 no. Conferences/sy	mposium	/semina	ır	
	> Rev	viewer of				
	∻ J	ournal of Food Science & Te	echnology	, Mysoi	re	

Sournal of Food Quality by Wiley Blackwell
 Indian Journal of Agricultural Sciences, New Delhi
✤ Journal of Hill Agriculture, Uttaranchal, U. P.
 African Journal of Food Science
 International Journal of Biometeorology
 Australian Journal of Crop Sciences
Member of University Examination Cell, SKUAST-J from November, 2012
> Member Secretary of Equipments for Central Purchase Committee (CPC)
for 2014-15 and 2015-16.
Sector Magistrate in J&K Assembly Election of 2014 and got Letter of
Appreciation from Returning Officer for smooth conduct of elections in the
Border area of Suchetgarh.
> Incharge Control Room, for conducting of BOPEE entrance examination
CET-2015 on 30 th and 31 st of May, 2015 at Directorate of Distance
Education, University of Jammu.
External examiner for paper setting and evaluation of answer sheets.
\blacktriangleright 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.
Descende Achievementes
Research Achievements: Rejuvenation of old/senile/unproductive mange orchards
A rejuvenation technique has been standardized along with the
complete calendar of operations to the extent of its commercialization as
30-40 per cent of the manyo orchards in Jammu province are old/senile
This technology has been demonstrated successfully on the farmers field
in Jammu and Kathua districts of Jammu province (Reiuvenation
technology developed for old/capile mange orchards has been
incomported in the Deckage of prostions for Herticulture groups 2015 of
SKUAST Lee 12.15
SKUASI-J pp 13-13. Mulahing and Ealian mutuition for sublicative immersion and (
when a source in the state of the stream of
Multipline of strawberry cv. Chandler
• Mulching of strawberry is a beneficial operation in minimizing winter
freezing injury to plants, suppressing early spring growth, smothering of
weeds, keeping berries clean, conserving soil moisture and reducing
berry disease. Planting of strawberry cv. Chandler on 9 th October
alongwith black polythene mulch under subtropical conditions of Jammu
has been recommended as it resulted in maximum growth, yield, quality
and runners. This recommendation has been incorporated in the Package
of practices for Horticulture crops 2015 of SKUAST-J pp 140.
✤ For improving the quality and the shelf-life of strawberry cv.
Chandler, it has been recommended that foliar application of 0.6 $\%$
FeSO ₄ sprayed 30 days and 80 days after planting results in maximum
vegetative growth whereas 0.6 % ZnSO ₄ application improve quality of

Chandler cv. Strawberry. For enhancing the shelf-life upto 60 hours of Chandler cv. of strawberry, it has been recommended to apply $CaCl_2 0.6$ per cent twice i.e. 30 and 80 days after planting. This recommendation has been incorporated in the Package of practices for Horticulture crops 2015 of SKUAST-J pp 141.

Wedge grafting in guava

♦ Wedge grafting with polytubes in guava has been standardized for its commercialization *in vivo* and *in vitro* conditions in Sardar cultivar of guava. Under *in vitro* conditions (poly house) maximum graft intake success upto 94.88 % can be achieved when wedge grafting is carried out in the winter season by covering the grafts with polytubes and the recommendation has been incorporated in the Package of practices for Horticulture crops 2015 of SKUAST-J pp 35.

Standardization of planting density in guava

♦ Planting distance of 6.0 m x 3.0 m (row to row and plant to plant) accommodating 555 plants per hectare has been standardized and recommended for high density orcharding in guava. The demonstration of this planting density in guava has been successfully demonstrated in the district of Samba and Jammu for its commercialization. This recommendation has been incorporated in the Package of practices for Horticulture crops 2015 of SKUAST-J pp 35.

Standardization of planting density in mango

✤ Planting distance of 4.5 m x 4.5 m (row to row and plant to plant) accommodating 495 plants per hectare has been standardized and recommended for high density orcharding in mango. The demonstration of this planting density in mango has been successfully demonstrated in the district of Samba and Jammu for its commercialization and has been incorporated in SKUAST-J Package of practices 2015 pp. 12.

Standardization of polythene bags for planting of Litchi

♦ The litchi layers treated with IBA 500 ppm in the first week of August and planted in polythene bags of size 22 cm x 10 cm x 8 cm filled with the soil of litchi orchard resulted in 98.29 per cent rooting with survival of 91.45 per cent within 210 days of planting litchi layers. This recommendation has been incorporated in Package of practices of SKUAST-J 2015 pp. 30.

Technology for drying of wild pomegranate (Anardana)

Sun drying for 38 hours is recommended for drying of wild pomegranate (*Anardana*). 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 *anardana*.

These recommendations are incorporated in package of practices for Horticulture Crops 2015 at pp. 58.

Standardization of production technology in olive

✤ The production technology for over-coming the problem of unfruitfulness in olive has been standardized upto the extent of its commercialization. Following recommendations have been made and

suitably added in the package of practices for making the olive culture
viable/profitable in Jammu province.
Nutrition:
i. Nitrogenous fertilizer should be applied in three split doses, viz.,
immediately after harvest, onset of spring season and in the beginning of
rainy season.
ii. Apply 200 g borax per tree in alternate years.
iii. In drought prone areas, two foliar spray of urea (1.0%) and boric acid
(0.4%) should be applied during pre bloom and post bloom, respectively.
✤ Irrigation
i. In autumn, apply two irrigations immediately after harvest, at an
interval of 20 days.
ii. Apply two irrigation four weeks prior to expected time of flowering
which ensures adequate development of flowers and lower down the
flower bud abscission.
iii. The tree should be irrigated after two weeks of the peak bloom period
as it improves fruit set.
iv. One irrigation should be given a month after fruit set to stimulate
development of fruit and reduce fruit drop.
Integrated nutrient management in guava
 Integrated nutrient management in guava ♦ In Sardar cultivar of guava, 50 % nitrogen requirement could be
 Integrated nutrient management in guava ✤ In Sardar cultivar of guava, 50 % nitrogen requirement could be replaced by poultry manure when used with urea augmented with
 Integrated nutrient management in guava ✤ In Sardar cultivar of guava, 50 % nitrogen requirement could be replaced by poultry manure when used with urea augmented with <i>Azotobacter</i>, 25 % nitrogen in the form of FYM integrated with urea
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 Integrated nutrient management in guava ❖ In Sardar cultivar of guava, 50 % nitrogen requirement could be replaced by poultry manure when used with urea augmented with <i>Azotobacter</i>, 25 % nitrogen in the form of FYM integrated with urea augmented with <i>Azotobacter</i> was also found equally effective in increasing the yield, quality and nutrient status of fruit, leaf and soil and the recommendation has been incorporated in the SKUAST-J package of practices for fruit crops. Technology for postharvest management of peach
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 Integrated nutrient management in guava ◆ In Sardar cultivar of guava, 50 % nitrogen requirement could be replaced by poultry manure when used with urea augmented with <i>Azotobacter</i>, 25 % nitrogen in the form of FYM integrated with urea augmented with <i>Azotobacter</i> was also found equally effective in increasing the yield, quality and nutrient status of fruit, leaf and soil and the recommendation has been incorporated in the SKUAST-J package of practices for fruit crops. Technology for postharvest management of peach ◆ The peaches stored in polythene bags of 1006 mm holes per m² improved the quality of fruit. However, intermittent warming coupled with modified atmospheric storage is effective in preventing chilling injury and prolonging storage life of peach cv. Flordasun. This recommendation is incorporated in package of practices for Horticulture Crops 2015 at pp. 107.
 Integrated nutrient management in guava ◆ In Sardar cultivar of guava, 50 % nitrogen requirement could be replaced by poultry manure when used with urea augmented with <i>Azotobacter</i>, 25 % nitrogen in the form of FYM integrated with urea augmented with <i>Azotobacter</i> was also found equally effective in increasing the yield, quality and nutrient status of fruit, leaf and soil and the recommendation has been incorporated in the SKUAST-J package of practices for fruit crops. Technology for postharvest management of peach ◆ The peaches stored in polythene bags of 1006 mm holes per m² improved the quality of fruit. However, intermittent warming coupled with modified atmospheric storage is effective in preventing chilling injury and prolonging storage life of peach cv. Flordasun. This recommendation is incorporated in package of practices for Horticulture Crops 2015 at pp. 107.
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 Integrated nutrient management in guava ♦ In Sardar cultivar of guava, 50 % nitrogen requirement could be replaced by poultry manure when used with urea augmented with <i>Azotobacter</i>, 25 % nitrogen in the form of FYM integrated with urea augmented with <i>Azotobacter</i> was also found equally effective in increasing the yield, quality and nutrient status of fruit, leaf and soil and the recommendation has been incorporated in the SKUAST-J package of practices for fruit crops. Technology for postharvest management of peach ♦ The peaches stored in polythene bags of 1006 mm holes per m² improved the quality of fruit. However, intermittent warming coupled with modified atmospheric storage is effective in preventing chilling injury and prolonging storage life of peach cv. Flordasun. This recommendation is incorporated in package of practices for Horticulture Crops 2015 at pp. 107. Standardization of planting time for phalsa cutting ♦ Phalsa cuttings treated with IBA 300 ppm and planted on 30th July
 Integrated nutrient management in guava ♦ In Sardar cultivar of guava, 50 % nitrogen requirement could be replaced by poultry manure when used with urea augmented with <i>Azotobacter</i>, 25 % nitrogen in the form of FYM integrated with urea augmented with <i>Azotobacter</i> was also found equally effective in increasing the yield, quality and nutrient status of fruit, leaf and soil and the recommendation has been incorporated in the SKUAST-J package of practices for fruit crops. Technology for postharvest management of peach ♦ The peaches stored in polythene bags of 1006 mm holes per m² improved the quality of fruit. However, intermittent warming coupled with modified atmospheric storage is effective in preventing chilling injury and prolonging storage life of peach cv. Flordasun. This recommendation is incorporated in package of practices for Horticulture Crops 2015 at pp. 107. Standardization of planting time for phalsa cutting ♦ Phalsa cuttings treated with IBA 300 ppm and planted on 30th July showed highest survival percentage with least time taken for rooting