

Annexure A1

Number of students got ICAR-PG Scholarship (erstwhile JRF) during 2018/ Number of UG students passed out

Sr.No.	Name of student	Admission Number
1.	Santanu Kumar Sahoo	L-2014-A-8-BIV

Annexure A2

Number of students got admission in Master's program during 2018 through ICAR entrance examination/Number of UG students passed out

Sr.No.	Name of the student	Admission Number
1.	Kuldeep Kumar	L-2014-A-48-BIV
2.	Pabu Singh	L-2014-A-89-BIV

Annexure A3

Students Performance at M.Sc. Level (If more than 5% of students got ICAR-JRF/SRF or equivalent)

S.No.	Name of the student	Admission Number
1.	Shridhar Shiva Kumar	L-2016-A-130-M
2.	Ankit	L-2016-A-33-M
3.	Athulaya R	
4.	Rohit Saini	L-2017-BS-53-D
5.	Manisha Dhani	L-2016-HSc-352-M
6.	Swati Garbyal	
7.	Soumya Routray	L-2015-BS-269-M

Annexure A4

Students Performance at M.Sc. Level (if more than 10% of students got admission in PhD through ICAR entrance examination)

Sr. No.	Name of the student	Admission Number
1.	Kanu Priya Chaudhary	L-2016-AE-200-M
2.	Lalita	L-2016-AE-201-M
3.	Nidhi Joshi	L-2016-HSc-338-M
4.	Alok Gupta	L-2016-AE-186-M
5.	Mehakpreet Kaur	L-2016-AE-189-M
6.	Neha Singhal	L-2016-AE-191-M
7.	Divya Martoliya	L-2016-HSc-316-M

Annexure A6

ARS selections in the disciplines offered by University against available seats advertised by ASRB during 2018

Sr. No.	Name of the student	Discipline of study	No. of seats in discipline	Total no. of seats advertised
1.	Ashutosh Kushwah L-2013-A-32-D	Plant Breeding & Genetics	18	107
2.	Sumit Kumar Aggarwal L-2014-A-60-D	Plant Pathology	8	

Annexure A7

List of students qualified NET Exam in the discipline of Agriculture and allied Sciences during 2018

Sr. No.	Name of the student	Admission Number	Discipline
1.	Rajveer Singh	L-2017-A-14-D	Agricultural Biotechnology
2.	Manpreet Kaur	L-2017-A-16-D	
3.	Harman Kaur	L-2017-A-17-D	
4.	Manjinder Singh	L-2017-A-18-D	
5.	Priyanka Singh	L-2016-BS-64-D	Agricultural Economics and Sociology
6.	Rohit Saini	L-2017-BS-53-D	
7.	AniketaHoro	L-2017-BS-56-D	
8.	Jatinder Kaur	L-2016-A-11-D	Agricultural Meteorology
9.	Satinder Kaur	L-2016-A-12-D	
10.	Atin Majumder	L-2016-A-22-D	
11.	Shivani Kothyal	L-2017-A-10-D	
12.	Varinderjit Kaur	L-2018-A-18-D	
13.	Jatinderpal Singh	L-2018-A-9-D	
14.	Rouf Ahmad Dhar	L-2013-BS-80-D	Agricultural Microbiology
15.	Diksha Garg	L-2014-BS-04-IM	
16.	Sukhjinder Kaur	L-2014-BS-102-D	
17.	Versha Suman	L-2015-BS-271-M	
18.	Nishu Sharma	L-2015-BS-82-D	
19.	Chetna Sharma	L-2016-BS-281-M	
20.	Harsimran Kaur	L-2016-BS-286-M	
21.	Sarabjit Kaur	L-2016-BS-292-M	
22.	Harleen Kaur	L-2016-BS-84-D	
23.	Ritika Modi	L-2017-BS-76-D	
24.	Neha Khilpa	L-2017-BS-77-D	
25.	Sharon Nagpal	L-2017-BS-78-D	
26.	Ghongade Dilip Shriram	L-2015-A-15-D	Agriculture Entomology

Sr. No.	Name of the student	Admission Number	Discipline
27.	Ningaraj Belagal	L-2015-A-17-D	
28.	Harmandeep Singh	L-2015-A-43-M	
29.	Athulya R.	L-2016-A-44-M	
30.	Saloni	L-2016-A-49-M	
31.	Sudeshna	L-2017-A-15-D	
32.	Rozy Rasool	L-2017-A-17-D	
33.	Gurbir Singh	L-2015-A-7-M	Agronomy
34.	Rukinderpreet Singh	L-2017-A-2-D	
35.	Priyanka Sahoo	L-2017-A-7-D	
36.	Oinam Roselym Devi	L-2016-HSc-324-M	Apparel & Textile Science
37.	Srishti Tiwari	L-2017-HSc-350-M	
38.	Simerjot Kaur	L-2012-BS-59-IM	Biochemistry
39.	Harman Kaur	L-2013-BS-29-IM	
40.	Mehak Sethi	L-2014-BS-78-D	
41.	Prabhjot Singla	L-2015-62-D	
42.	Charandeep Kaur	L-2015-BS-218-M	
43.	Vasmatkar Pashupat Dnyaneshwar	L-2015-BS-65-D	
44.	Inderpal Kaur	L-2016-66-D	
45.	Charandeep Singh	L-2016-BS-234-M	
46.	Sheetal Bhadwal	L-2017-BS-58-D	
47.	Shabnam	L-2015/16-BS-127-D	
48.	Ratnesh Kumari	L-2015-BS-67-D	
49.	Antul Kumar	L-2015-BS-71-D	
50.	Mamta Pal	L-2016-BS-73-D	
51.	Manjeet Kaur	L-2016-BS-74-D	
52.	Saleem Jahangir Dar	L-2017-BS-64-D	
53.	Anuj Choudhary	L-2017-BS-65-D	
54.	Mamta Bajya	L-2018-BS-44-D	
55.	Manpreet Kaur	L-2017-BS-71-D	Chemical Sciences

Sr. No.	Name of the student	Admission Number	Discipline
56.	Priyanka	L-2017-AE-211-M	Computer Science & Applications
57.	Divyata Joshi	L-2017-A-20-D	Extension Education
58.	Palak Mittal	L-2016-HSc-346-M	Extn Education & Communication Mgt
59.	Swati Garbyal	L-2016-HSc-347-M	
60.	AnupriyaNayal	L-2017-HSc-350-M	
61.	Aprajita Kumari	L-2014-HSc-114-D	Family Resource Management
62.	Sujata Kumari	L-2015-HSc-308-M	
63.	Diya Martolia	L-2016-HSc-336-M	
64.	Nishtha Vashistha	L-2018-A-3-D	Floriculture and Landscaping
65.	Priyanka Sharma	L-2016-HSc-101-D	Food and Nutrition
66.	Dayadeep	L-2016-HSc-334-M	
67.	Nidhi Joshi	L-2016-HSc-338-M	
68.	Rishu	L-2017-HSc-346-M	
69.	Amanpreet Kaur	L 2015-A-74-M	Forestry
70.	Manjot Singh	L2013-A-53-M	
71.	Samanpreet Singh	L-2014-A-76-M	
72.	Deepanjali	L2016-A-74-M	
73.	Manisha Dhama	L-2016-HSc-352-M	Human Development & Family Studies
74.	Arpana Vajpayee	L-2016-AE-121-D	Land and Water Management Engineering
75.	Pankaj Sharma	L-2016-AE-122-D	Land and Water Management Engineering
76.	Alok Gupta	L-2016-AE-186-M	
77.	Sushanth Kallem	L-2016-AE-188-M	
78.	Mehakpreet Kaur	L-2016-AE-189-M	
79.	Neha Singhal	L-2016-AE-191-M	
80.	Sheenam Saxena		Physics
81.	P. Narmada Varma	L-2016-A-50-D	Plant Breeding & Genetics
82.	Snehdeep Kaur	L-2016-A-51-D	
83.	Jaspreet Kaur	L-2016-A-54-D	Plant Pathology

Sr. No.	Name of the student	Admission Number	Discipline
84.	Harmandeep Kaur	L-2017-A-46-D	
85.	Gurveer Singh	L-2018-A-53-D	
86.	Pooja Salaria	L-2018-A-54-D	
87.	Ankit Kumar	L-2014-AE-139-D	Processing & Food Engineering
88.	Gursimran Singh Sangha	L-2015-AE-107-D	
89.	Pratik Pandit Potdar	L-2015-AE-184-M	
90.	Kanu Priya Chaudhary	L-2016-AE-200-M	
91.	Monika Satankar	L-2017-AE-105-D	
92.	Jasmeet Kaur	L-2017-BS-13-MBA	School of Business Studies
93.	Charvy Narang	L-2017-BS-5-MBA	
94.	Amanjit Kaur	L-2017-BS-66-D	
95.	Rajanbir Singh	L-2014-A-142-M	Soil Science
96.	Anmol Singh	L-2015-A-135-M	
97.	Sukhpreet Singh	L-2015-A-149-M	
98.	Gurpreet Kaur	L-2015-A-156-M	Vegetable Science
99.	Ashish kumar	L-2016-A-154-M	
100.	Ramandeep Kaur Sidhu	L-2016-A-160-M	
101.	Rimaljeet Kaur	L-2016-A-161-M	
102.	Tejpal Singh Sran	L-2016-A-163-M	
103.	Diksha Tinna	L-2016-A-164-M	
104.	Ramandeep Kaur	L-2016-A-167-M	
105.	Sachin	L-2018-BS-106-D	Zoology

Annexure A8

Percentage of Faculty positions filled in teaching, research, extension, KVK, AICRP and at regional stations (with details of Positions filled and sanctioned cadre strength for each category)

Filled and sanctioned faculty positions

Particulars	Sanctioned	Filled	Filled faculty positions (%)
Teaching	383	168	43.86
Research	403	202	50.12
Regional Stations	129	52	40.13
KVK's	130	115	88.46
Extensions	160	62	38.75
AICRP's	184	179	97.28
Total	1389	778	56.01

Cadre wise faculty strength

Category/ Cadre	Teaching		Research		Extension	
	Sanctioned	Filled	Sanctioned	Filled	Sanctioned	Filled
Professor & equivalent	123	88	196	164	38	33
Associate Professor & equivalent	89	28	123	57	41	30
Assistant Professor & equivalent	171	52	397	212	211	114
Total	383	168	716	433	290	177

Annexure A9Number of students admitted from overseas for PhD during 2018 – **09**

Sr. No.	Name of the student	Admission Number	Subject	Country
1.	Soofizada Qudratullah	L-2018-A-7-D	Agronomy	Afghanistan
2.	Carolyne Cherotich	L-2018-A-23-D	Extension Education	Kenya
3.	Mahmudu Mohamed Sasmalo	L-2018-A-29-D	Food Science & Technology	Tanzania
4.	Yakubu Celeb Maina	L-2018-A-30-D		Nigeria
5.	Mohd. Jafar Tanin	L-2018-A-51-D	Plant Breeding & Genetics	Afghanistan
6.	HabiburahamanAyoubi	L-2018-A-52-D		
7.	Omer Abassy	L-2018-A-59-D	Plant Pathology	
8.	Ferdwas Bromad	L-2018-A-60-D		
9.	Haider Mohd. Waris	L-2018-A-61-D		

Annexure A10

National and International awards (such as those conferred by the National Organizations like ICAR, CSIR, DBT, DST, Government of India, international Bodies of repute like FAO, UN, CG Centres and Recognized National Sciences/Engineering Academics) (earned by Faculty) in 2018

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Sr. No.	Name of Teacher	Name of award	Awarding institution
1.	N. S. Bains, V. S. Sohu, Kuldeep Singh, Parveen Chhuneja and G. S. Mavi; from PAU, Ludhiana (along with scientists from IARI, IIWBR and UAS)	Gene Stewardship Award - 2018	Borlaug Global Rust Initiatives
2.	Mehak Gupta	Young Scientist Award 2018	Indian National Science Academy
3.	S. S. Dhaliwal	IZA-FAI award for Excellence for promoting Zinc in Indian Agriculture for 2018	International Zinc Association-FAI
4.	R. I. S. Gill, Baljit Singh and Navneet Kaur	Best All India Coordinated Research Project Centre (on Agroforestry) Award 2017	ICAR -Central Agroforestry Research Centre
5.	A.S. Dhatt, Madhu Sharma & Kulbir Singh	Best Network centre award 2017-18	ICAR- Directorate of Onion and Garlic Research, Pune
6.	M. S. Alam	Commendation Medal (ISAE) for Recognition in the field of Post harvest Process and Food Engineering.	Indian Society Agricultural Engineers
7.	Manjeet Singh, Manpreet Singh, HS Sidhu, Rajesh Goyal, Gursahib Singh, Aseem Verma, JS Mahal	ISAE team award 2018	Indian Society of Agricultural Engineers, New Delhi
8.	Satish Kumar Gupta	The Best Teacher Award	Indian Society for Technical Education
9.	Buta Singh	Best Thesis Award	Indian society of Agronomy
10.	Rajan Aggarwal	Gold Medal	Soil Conservation Society of India, New Delhi.
11.	J.S. Gill	Young Scientist Award	Punjab Academy of Sciences, Patiala

Best Institution/University Awarded by ICAR in 2018 in any field



Annexure A13

Fellowship or Associateship of National Science Academics (NAAS, INSA, NAAS, NAMS, INAE achieved during 2018) - **05**

Sr.No.	Name of the faculty	Name of the fellowship	Awarding Agency
1.	Sarwan Kumar	Australian Government's Endeavour Research Fellowship	Department of Education and Training, Australia
2.	Priya Katyal	Nuffic Fellowship	Dutch Government
3.	Shivani Sharma	Nuffic Fellowship	Dutch Government
4.	Satnam Singh	Nuffic Fellowship	Dutch Government
5.	B. S. Brar	Fellow of Indian Society of Soil Science, New Delhi for 2018	Indian Society of Soil Science

Annexure A14

Percentage of faculty with PhD degrees obtained from universities from outside of the state where employed

Sr. No.	Name of the faculty	Department	Name of the university
1.	A.K.Toor	RRS Kapurthala	Univ. of Sydney, Australia
2.	Ajay Singh	KVK Fatehgarh Sahib	CCS, HAU, Hissar
3.	Akanksha Pahwa	KVK Bathinda	NDRI, Karnal
4.	Aman Sharma	KVK Samrala	CCS, HAU, Hissar
5.	Amandeep Kaur	Entomology	Banaras Hindu University
6.	Amandeep Mittal	Agricultural Biotechnology	Texas University
7.	Amandeep Singh Sidhu	RRS Bathinda	CCS, HAU, Hissar
8.	Amarjeet Singh Sandhu	FASC, Bathinda	CCS, HAU, Hissar
9.	Amit Chaudhary	Entomology	C S K H P K V, Palampur
10.	Amritpal Singh Brar	Agronomy	CCS, HAU, Hissar
11.	Anil Khokhar	RRS Ballawal Saunkhri	MPU A& T Udaipur
12.	Anuradha	RRS Kapurthala	C SK H P K V, Palampur
13.	Anureet Kaur Dhaliwal	RRS Bathinda	CCS, HAU, Hissar
14.	Arsh Alam Singh Gill	Processing & Food Engineering	Indian Institute of Technology Khadagpur
15.	Arti Verma	KVK Mansa	CSK HPKV, Palampur
16.	Ashlesha Singla	Plant Breeding & Genetics	C S K H P K V, Palampur
17.	Ashok Kumar	RRS, Faridkot	MPUAT, Udaipur (Raj)
18.	Ashok Kumar Dhakad	Forestry & Natural Resources	C S K H P K V, Palampur
19.	Ashwani Kumar Soni	Renewable Energy Engineering	Indian Institute of Technology Delhi
20.	Avtar Singh	Forestry & Natural Resources	CCS, HAU, Hissar
21.	Avtar Singh	Forestry & Natural Resources	Kumaun University
22.	B V C Mahajan	HPHTC	Dr. YS Parmar University of Horticulture and Forestry, Solan
23.	Baljeet Singh Cheema	O/o Dean CoA	University of Sydney, Australia
24.	Balkrishan Bhopale	KVK Abohar	Panjabrao Deshmukh Krishi Vidyapeeth
25.	Barun Biswas	RRS Gurdaspur	CCS, HAU, Hissar
26.	Bharat Singh	KVK Mansa	CCS, HAU, Hissar
27.	Bharpoor Singh Sekhon	Soil Science	West Verginia, USA
28.	Brijesh Kumar Yadav	RRS Bathinda	Jai Narain Vyas University
29.	C B Singh	Soil Science	CCS, HAU, Hissar

30.	Chetak Bishnoi	Soil Water Engineering	CCS, HAU, Hissar
31.	Chhaya Atri	Plant Breeding & Genetics	C S K H P K V, Palampur
32.	Derminder Singh	Electrical Engineering	I I T Roorkee
33.	Dhanvinder Singh	Soil Sciences	Lincon University, NZ
34.	Dinesh Kumar Kathuria	Soil Sciences	CCS, HAU, Hissar
35.	G P S Dhillon	Forestry & Natural Resources	Forest Research Institute
36.	Gayatri Verma	Soil Science	MPU A& T Udaipur
37.	Guriqbal Singh	Plant Breeding & Genetics	University of Wales, UK
38.	Gurjant Singh Aulakh	KVK, Ferozepur	CCSU, Meerut
39. H	Harinder Singh	FASC, Faridkot	SKUAST
40.	Harish Kumar	Plant Breeding & Genetics	Indian Agricultural Research Institute
41.	Harmeet Singh Sarlach	Forestry & Natural Resources	Dr. Y S Parmar University of Horticulture and Forestry, Solan
42.	Harpreet Singh	USF Usman	G. B. P Univ Agriculture and Technology, UK
43.	Harpreet Singh Sodhi	Microbiology	London University
44.	Harsimran Kour	Soil Science	Washington State University
45.	Harsimrat Kaur Bons	Fruit Science	CCS, HAU, Hissar
46.	Indu Rialch	Plant Breeding & Genetics	C S K H P K V, Palampur
47.	Jagdeep Singh Sandhu	Agricultural Biotechnology	CU, UK
48.	Jagdish Kaur	ADCC	Panjab University
49.	Jasbir Singh Chawla	Plant Breeding & Genetics	CCS, HAU, Hissar
50.	Jaswinder Singh Bhalla	Extension Education	CCS, HAU, Hissar
51.	Jatinder Kaur Gulati	Home Science	Delhi University
52.	Jitender Singh	KVK Bathinda	CCS, HAU, Hissar
53.	K K Sharma	RRS Ballawal Saunkhri	G. B. P Univ Agriculture and Technology, UK
54.	Karamjeet Singh Sekhon	RRS Bathinda	CCS, HAU, Hissar
55.	Karamjit Sharma	KVK, Muktsar	CCS, HAU, Hissar
56.	Keshani Bhushan	Microbiology	C S K H P K V, Palampur
57.	KiranJeet	Soil Science	Panjab University
58.	Kuldeep Singh Khera	Zoology	Indian Veterinary Research Institute
59.	Kumari Neelam	Soil Sciences	IIT Roorkee
60.	Lokesh Jain	Electrical Engineering	Panjab University
61.	M. Gangwar	Microbiology	Delhi University
62.	M. S. Mavi	Soil Science	University of Adelaidela, Australia

63.	Madhu Bala	Floriculture & Landscape	Indian Agricultural Research Institute
64.	Madhu Sharma	Vegetable Sciences	C S K H P K V, Palampur
65.	Mahesh Kumar	Plant Breeding & Genetics	CCS, HAU, Hissar
66.	Mandeep Pathania	RRS Abohar	Himachal Pradesh KrishiVishwavidalya
67.	Maninder Kaur	Plant Breeding & Genetics	CCS, HAU, Hissar
68.	Manisha Thakur	Organic Farming	Dr. Y S Parmar University of Horticulture and Forestry, Solan
69.	Manjit Kaur Sangha	Biochemistry	Post Graduate Institute
70.	Manoj Kumar	Zoology	Kurukshetra University
71.	Manoj Sharma	KVK, Langroya	Himachal Pradesh KrishiVishwavidalya
72. M	Manu Tyagi	Fruit Science	G. B. P Univ Agriculture and Technology, Pantanagar
73.	N K Khullar	Civil Engineering	IITRoorkee
74.	Naresh Kumar Chaudhary	RRS Kapurthala	C S K H P K V, Palampur
75.	Narinder Kaur	Math Stat & Physics	Maharishi Markandeshwar University
76.	Narinder Pal Singh	AJLC	Panjab University
77.	Narpinderjit Kaur	Plant Pathology	Panjab University
78.	Naveen Aggarwal	Entomology	CCS, HAU, Hissar
79.	Navjot Singh Brar	RRS	CCS, HAU, Hissar
80.	Nitika Sandhu	Agricultural Biotechnology	CCS, HAU, Hissar
81.	Pankaj Kumar	Plant Breeding & Genetics	CCS, HAU, Hissar
82.	Pankaj Rathore	RRS, Faridkot	Himachal Pradesh KrishiVishwavidalya
83.	Pankaj Sharma	Plant Breeding & Genetics	G. B. P Univ Agriculture and Technology, UK
84.	Paramvir Singh	o/o DSW	Panjab University
85.	Parshant Mohanpuria	Agricultural Biotechnology	Institute of HimalyanBioresource Technology
86.	Pawan Kumar	KVK Sangrur	CSK Himachal Pradesh
87.	Pawan Kumar	KVK, Ropar	CCS, HAU, Hissar
88.	Prakash Mahala	FASC, Abohar	SKNAU, Jobner
89.	Prasad S Burange	Entomology	North Dakota State University, USA
90.	Preeti Sharma	Home Science, EECM	CCS, HAU, Hissar
91.	Premjit Singh	Floriculture & Landscape	Indian Agricultural Research Institute
92.	Prerna Sharma	KVK Amritsar	G. B. P Univ Agriculture and Technology, UK

93.	R K Dubey	Floriculture & Landscape	Indian Agricultural Research Institute
94.	Raj K Pal	RRS Bathinda	G. B. P Univ Agriculture and Technology, UK
95.	Rajbir Singh Boora	RRS	CCS, HAU, Hissar
96.	Rajeev Kumar	Math Stat & Physics	Panjab University
97.	Rakesh Kumar Garg	Forestry & Natural Resources	CCS, HAU, Hissar
98.	Ram Sakal Singh	RRS, Gurdaspur	Chandra Shekhar Azad University of Agriculture and Technology
99.	Rama Kumari	Math Stat & Physics	Jawaharlal Nehru University
100.	Ramana Koulagi	Plant Pathology	Indian Agricultural Research Institute
101.	Ravinder Kumar	Entomology	Dr. YS Parmar University of Horticulture and Forestry, Solan
102.	Rishi Inder Singh Gill	Forestry & Natural Resources	The University of British Columbia, Canada
103.	Rohit Gupta	KVK, Jalandhar	NDRI, Karnal
104.	Rupesh Kumar Arora	RRS Bathinda	G. B. P Univ Agriculture and Technology, UK
105.	Rupinder Kaur	Extension Education	CCS, HAU, Meerut
106.	S P S Saini	o/o DEE	CCS, HAU, Hissar
107.	Sandeep Raheja	RRS Abohar	Sardarkrushinagar Dantiwada Agricultural University
108.	Sandeep Sharma	Soil Sciences	Himachal Pradesh Krishi Vishvabidyalaya
109.	Sanjay Kumar	Economics & Sociology	Dr. YS Parmar University of Horticulture and Forestry, Solan
110.	Sanjay Satpute	Soil Water Engineering	IARI, New Delhi
111.	Sanjeev Kumar Chauhan	Forestry & Natural Resources	Dr. Y S Parmar University of Horticulture and Forestry, Solan
112.	Santosh Kumar	Farm Machinery & Power Engineering	G. B. P Univ Agriculture and Technology, UK
113.	Sapna Thakur	Forestry & Natural Resources	Dr. Y S Parmar University of Horticulture and Forestry, Solan
114.	Sarabjit Singh Sooch	Renewable Energy Engineering	Panjab University
115.	Sarbjeet Singh	AJLC	Himachal Pradesh University
116.	Sarvjeet Singh	Plant Breeding & Genetics	C S K H P K V, Palampur
117.	Sarwan Kumar	Plant Breeding & Genetics	CCS, HAU, Hissar
118.	Sat Pal	Agronomy	CCS, Haryana
119.	Satbir Singh	KVK, Sangrur	CCS, HAU, Hissar
120.	Satpal Sharma	Vegetable Science	Texas A&M University, USA

121.	Seema Bedi	Botany	CAMBRIDGE University, UK
122.	Shashi Kumar Gupta	Civil Engineering	CCS, HAU, Hissar
123.	Shashi Pathania	RRS Abohar	Dr. Y S Parmar University of Horticulture and Forestry, Solan
124.	Shayla Bindra	Plant Breeding & Genetics	C S K H P K V, Palampur
125.	Sheetal Thapar	AJLC	Himachal Pradesh University
126.	Shikha Sachan	Soil Water Engineering	BHU, Varanasi
127.	Som Pal Singh	Climate Change & Metrology	CCS, HAU, Hissar
128.	SS Kandhola	Plant Breeding & Genetics	C S K H P K V, Palampur
129.	Subash Chander Sharma	KVK, Samrala	TECH University, Dresden, Germany
130.	Sucheta Sharma	Biochemistry	Panjab University
131.	Sudeep Singh	FASC, Bathinda	CCS, HAU, Hissar
132.	Sudhir Mishra	RRS Faridkot	Anand Agricultural University
133.	Sukhbir Singh	o/o DSW	Panjab University
134.	SukhjinderJit Singh	KVK, Amritsar	National Dairy Research Institute
135.	Sukhwinder Singh Aulakh	KVK, Hoshiarpur	Virginia Tech, Blacksburg, USA
136.	Surbhi Mahajan	ATS Home Science	CCS, HAU, Hissar
137.	Surekha Bhatia	Plant Breeding & Genetics	Panjab University
138.	Surender Singh	KVK, Pathankot	SKUAST
139.	Usha Nara	Plant Breeding & Genetics	CCS, HAU, Hissar
140.	Vandana Gandotra	Home Science	BR AMBEDKAR University
141.	Veer Parkash Sethi	Mechanical Engineering	Panjab University
142.	Vijay Kumar	RRS Ballawal Saunkhri	C S K H P K V, Palampur
143.	Vikrant Singh	RRS Faridkot	G. B. P Univ Agriculture and Technology, UK
144.	VinayPathania	KVK, Bathinda	C S K H P K V, Palampur
145.	Vineet Kumar	Pathology	Himachal Pradesh KrishiVishwavidalya
146.	Vineet Kumar	RRS Bathinda	G. B. P Univ Agriculture and Technology, UK
147.	Vineeta Kaila	Plant Breeding & Genetics	C S K H P K V, Palampur
148.	Virender Sardana	Plant Breeding & Genetics	CCS, HAU, Hissar
149.	Vishvajeet S Hans	Mechanical Engineering	IIT Roorkee
150.	Vivek Pandey	RRS Kapurthala	C S K H P K V, Palampur
151.	Vivek Sharma	Soil Sciences	C S K H P K V, Palampur
152.	Yogita Sharma	Library	Indira Gandhi National Open University

Annexure A15

Percent of faculty from the state other than the state in which university situated

Sr. No.	Name of the Faculty	Department	Domicile State
1.	A. K. Singh	Processing & Food Engineering	Uttar Pradesh
2.	Aarti Verma	K V K Mansa	Himachal Pradesh
3.	Abhisek Sharma	Vegitable Science	Rajasthan
4.	Ajay Singh	KVK Fatehgarh Sahib	Haryana
5.	Aman Sharma	K V K Samrala	Haryana
6.	Amardeep Kour	Entomology	Jammu & Kashmir
7.	Amit Choudhary	Entomology	Himachal Pradesh
8.	Amit Kumar	Library	Himachal Pradesh
9.	Anand Gautam	KVK Bathida	Madhya Pradesh
10.	Anil Bhardwaj	Soil Water Engineering	Himachal Pradesh
11.	Anirudh Thakur	Furit Science	Himachal Pradesh
12.	Anoop Dixit	Farm Power Machinery	Uttar Pradesh
13.	Anuradha Sharma	Pathology	Himachal Pradesh
14.	Apoorv Prakash	Farm Power Machinery	Uttar Pradesh
15.	Arun Kaushal	Soil & Water Engineering	Himachal Pradesh
16.	Ashlesha	Plant Breeding & Genetics	Himachal Pradesh
17.	Ashok Kumar	RRS Faridkot	Rajasthan
18.	Ashok Kumar Dhakkad	Forestry & Natural Resources	Rajasthan
19.	Asmita Sirari	Plant Breeding & Genetics	Uttrakhand
20.	B. V. C. Mahajan	PHPTC	Himachal Pradesh
21.	Baldev Dogra	Farm Power & Machinery	Himachal Pradesh
22.	Bharat Singh	KVK Mansa	Haryana
23.	Bharathi Mohindru	Entomology	Andhra Pradesh
24.	Bobade Hanuman	Food Science Technology	Maharashtra

Sr. No.	Name of the Faculty	Department	Domicile State
25.	Brijesh Yadav	RRS Bathinda	Rajasthan
26.	C. B. Singh	Soil Sciences	Uttar Pradesh
27.	Chetak Bishnoi	KVK Muksar	Haryana
28.	Chhaya Attari	Plant Breeding & Genetics	Himachal Pradesh
29.	D. K. Kathuria	Soil Sciences	Jammu & Kashmir
30.	D. S. Bhatti	Extension Education	Uttar Pradesh
31.	Dimpy Raina	KVK Ferozepur	Jammu & Kashmir
32.	Dinesh Kumar	Soil Sciences	Haryana
33.	Gayatri Verma	Soil Sciences	Himachal Pradesh
34.	Gurupkar Singh Sidhu	Agricultural Biotechnology	Haryana
35.	Harish Kumar	RRS Faridkot	Rajasthan
36.	Harpinder Kaur	HSc Family Resource Management	Haryana
37.	H S Sarlach	Forestry	Himachal Pradesh
38.	Inderjeet Yadav	Biotechnology	Haryana
39.	Indra Rani	Vegitable Science	Himachal Pradesh
40.	Indu Rialch	Plant Breeding & Genetics	Himachal Pradesh
41.	J.P. Singh	Soil Water Engineering	Uttar Pradesh
42.	J.S. Brar	Fruit Science	Rajasthan
43.	Jagdish Grover	KVK	Haryana
44.	Jagdish Kumar Arora	KVK Abohar	Rajasthan
45.	Jagjit Singh Lore	Plant Breeding & Genetics	Rajasthan
46.	Jayesh Singh	Agronomy	Uttar Pradesh
47.	Keshani Bhushan	Microbiology	Himachal Pradesh
48.	Kousik Mandal	Entomology	West Bengal
49.	Kuldeep Singh	Biotechnology	Jammu & Kashmir
50.	Kumari Neelam	Biotechnology	Bihar

Sr. No.	Name of the Faculty	Department	Domicile State
51.	Lenika Kashyap	RRS Kapurthala	Himachal Pradesh
52.	Lopamudra Mohapatra	Extension Education	Odisha
53.	M. Gangwar	Microbiology	Uttar Pradesh
54.	M. S. Alam	Processing & Food Engineering	Uttar Pradesh
55.	Mahesh Kumar	Processing & Food Engineering	Haryana
56.	Mandeep Pathania	RRS Bathinda	Himachal Pradesh
57.	Maninder Kaur	Plant Breeding & Genetics	Haryana
58.	Manisha Thakur	Organic Farming	Himachal Pradesh
59.	Manisha Bhatia	KVK Fatehgarh Sahib	Haryana
60.	Manjeet Singh	Farm Machinery & Power Engineering	Rajasthan
61.	Manoj Kumar	Zoology	Himachal Pradesh
62.	Manoj Sharma	KVK Kapurthala	Himachal Pradesh
63.	Manu Tyagi	KVK Bathinda	Uttrakhand
64.	Mukesh Siag	Soil & Water Engineering	Harayana
65.	Narinder Kaur	Math, Stat & Physics	Haryana
66.	Naveen Aggarwal	Entomology	Haryana
67.	Navjot Singh	KVK Langroya	Rajasthan
68.	Neemisha	Soil Sciences	Himachal Pradesh
69.	Neerja Sharma	Plant Breeding & Genetics	Jammu & Kashmir
70.	Nilesh Biwalkar	Soil & Water Engineering	Maharashtra
71.	Nitika Sandhu	Biotechnology	Haryana
72.	P. B. Burange	Entomology	Nagpur (Maharashtra)
73.	Pankaj Kumar	Plant Breeding & Genetics	Haryana
74.	Pankaj Rathore	RRS Faridkot	Himachal Pradesh
75.	Pankaj Sharma	Extension Education	Uttar Pradesh
76.	Parkash Mahala	RRS ballawal Saunkhri	Rajasthan

Sr. No.	Name of the Faculty	Department	Domicile State
77.	Pawan Kumar	KVK Sangrur	Haryana
78.	Prashant Mohanpuria	Biotechnology	Rajasthan
79.	Pratibha Vyas	Microbiology	Himachal Pradesh
80.	Preeti Sharma	HSc EECM	Rajasthan
81.	Premjit Singh	Floriculture & Landscaping	Himachal Pradesh
82.	Prerna Kapila	KVK Amritsar	Uttarakhand
83.	Prerna Thakur	Vegetable Science	Himachal Pradesh
84.	Priti Sharma	Biotechnology	Himachal Pradesh
85.	Puja Srivastava	Plant Breeding & Genetics	Uttarakhand
86.	Purva Jaggi	KVK Ropar	Himachal Pradesh
87.	Pushp Sharma	Plant Breeding & Genetics	Himachal Pradesh
88.	R. K. Dubey	Floriculture & Landscaping	Uttar Pradesh
89.	R. K. Garg	Forestry	Haryana
90.	Rachna Bhardwaj	Biochemistry	Himachal Pradesh
91.	Rachna Devi	Organic Farming	Himachal Pradesh
92.	Rajbir Singh Boora	RRS Patiala	Haryana
93.	Raj Kumar Pal	RRS Bathinda	Uttar Pradesh
94.	Rajeev Kumar	Math, Stat & Physics	Himachal Pradesh
95.	Rajinder Kumar	RRS Kapurthala	Uttarakhand
96.	Rajni Chauhan	Botany	Himachal Pradesh
97.	Rakesh Kumar	Forestry & NR	Delhi
98.	Rakesh Kumar Sharma	RRS Ballawal Saunkhri	Delhi
99.	Ramanna Kaoulagi	Plant Pathology	Karnatka
100.	Ravinder Kumar Chandel	Plant Breeding & Genetics	Himachal Pradesh
101.	Ram Sakal	RRS Gurdaspur	Uttar Pradesh
102.	Ritika Joshi	KVK Bathinda	Delhi

Sr. No.	Name of the Faculty	Department	Domicile State
103.	Ritu Bala	Pathology	Jammu & Kashmir
104.	Ritu Dogra	Renewable Energy Engineering	Himachal Pradesh
105.	Ritu Mittal	HSc EECM	Haryana
106.	Rohit Gupta	KVK, Jalandhar	Madhya Pradesh
107.	Rohit Sharma	Processing & Food Engineering	Haryana
108.	Ruma Devi	Vegetable Science	Himachal Pradesh
109.	Rupesh Kumar Arora	RRS Bathinda	Uttarkhand
110.	S. C. Sharma	KVK Samrala	Himachal Pradesh
111.	S. K. Singh	Engineering	Bihar
112.	S. P. Saini	O/o DEE	Himachal Pradesh
113.	S. S. Kukal	Dean COA	Jammu & Kashmir
114.	S. S. Manhas	Agronomy	Jammu & Kashmir
115.	S. S. Thakur	Farm Power & Machinery	Himachal Pradesh
116.	Sandeep Sharma	Soil Microbiology	Himachal Pradesh
117.	Sayed Abdul Hamid Patel	Vegetable	Maharashtra
118.	Sanjay Kumar Sahoo	Entomology	Odisha
119.	Sanjay Satpute	Soil & Water Engineering	Maharashtra
120.	Sanjay Walia	Economics & Sociology	Himachal Pradesh
121.	Sanjeev Chauhan	Forestry	Jammu & Kashmir
122.	Sanjula Sharma	Plant Breeding & Genetics	Himachal Pradesh
123.	Santosh Kumar	Farm Power & Machinery	Uttar Pradesh
124.	Sapna Thakur	Forestry	Himachal Pradesh
125.	Saravjeet Singh	Plant Breeding & Genetics	Uttar Pradesh
126.	Sarvan Kumar	Plant Breeding & Genetics	Haryana
127.	Satnam Singh	RRS Faridkot	Jammu & Kashmir
128.	Sat Pal Saini	Soil Science	Haryana

Sr. No.	Name of the Faculty	Department	Domicile State
129.	Satbir Singh	KVK, Sangrur	Haryana
130.	Seema Sharma	HSc HDFS	Jammu & Kashmir
131.	Shayla Bindra	Plant Breeding & Genetics	Himachal Pradesh
132.	Shashi Pathania	Entomology	Himachal Pradesh
133.	Shikha Sachan	Soil & Water Engineering	
134.	Shikha Sharma	Pathology	Himachal Pradesh
135.	Shiv Kumar Lohan	Farm Machinery & Power Engineering	Haryana
136.	S K Chauhan	Forestry & NR	Himachal Pradesh
137.	Sompal	Agromotrology	Himachal Pradesh
138.	Sudhir Kumar Mishra	RRS Faridkot	Uttar Pradesh
139.	Sudeep Singh	RRS Bathinda	Haryana
140.	Sumita Chandel	Soil Sciences	Himachal Pradesh
141.	Sunil Kashyap	KVK Sangrur	Uttar Pradesh
142.	Suniti Bala	Library	Rajasthan
143.	Surabhi Mahajan	HSc ATS	Uttar Pradesh
144.	Surender Singh	KVK, Pathankot	Jammu & Kashmir
145.	Tanya Thakur	Floriculture	Himachal Pradesh
146.	Urvi Sharma	KVK Faridkot	Himachal Pradesh
147.	Usha Nara	Plant Breeding & Genetics	Haryana
148.	Vandana Kanwar	HSc HDFS	Himachal Pradesh
149.	Varinder Sardana	Plant Breeding & Genetics	Haryana
150.	Varun Attari	Forestry	Himachal Pradesh
151.	Veena Khanna	Plant Breeding & Genetics	Goa
152.	Vikrant Singh	RRS Faridkot	Uttar Pradesh
153.	Vineet Kumar	Pathology	Himachal Pradesh
154.	Vineet Kumar	RRS Bathinda	Uttarakhand

Sr. No.	Name of the Faculty	Department	Domicile State
155.	Vineeta Kalia	Plant Breeding & Genetics	Himachal Pradesh
156.	Viney Singh	Entomology	Himachal Pradesh
157.	Vivek Pandey	RRS Gurdaspur	Uttar Pradesh
158.	Vivek Sharma	Soil Sciences	Himachal Pradesh
159.	Yamini Sharma	Fruit Science	Himachal Pradesh
160.	Yogesh Vikal	Biotechnology	Himachal Pradesh

Annexure A16

Percentage of Faculty with 3 months or more of Post doctoral/Visiting scientist experiences abroad in 2018

Sr. No.	Name of the faculty	Experience
1.	Sarwan Kumar	4 month post doctoral research under Endeavour research Fellowship at University of Queensland from 12 th April 2018 to 1 st August 2018.
2.	Varinderpal Singh	Training under Cambridge India Network for Transitional Research in Nitrogen (CINTRIN) at National Institute of Agricultural Botany (NIAB) UK from 22 nd April 2018 to 24 th September 2018.
3.	Ritu Rani	Three months training on “Coupling spore traps and quantitative (q) PCR assays for quantification and detection of the Botrytis cinerea spores collected in tomato production greenhouses storage and handling areas” at Ohio State University Wooster USA from 5 th May 2018 to 4 th August 2018.
4.	Sandeep Singh	Three months advanced training on “Spotted Wing Drosophila Trapping and Attract and Kill Technology” from 6 th June 2018 to 5 th September 2018 at Michigan State University, USA.
5.	Amandeep Mittal	School of Agricultural Environment University of Western Australia for an extended study ‘to develop the guava genome assembly’ from February-April 2018
6.	Krishan Kumar	Visited Citrus Research and Education Centre, Florida as short term Scholar from 13 th November 2017 to 12 th May 2018

CERA Utilization: **1,18,603**

Also awarded-

- a) CeRA best usage award for maximum utilization of CeRA facility by the users of PAU.
- b) CeRA highest user profile registration award for maximum users' registration by the users of PAU.



Accreditation on 01.01.2018 (by ICAR) (copy of accreditation letter/certificate)



Annexure A20

Implementation of recommendation of Fifth Deans, Committee/BSMA Committees.

Sr. No.	Name of the College/Subject	Meeting of the Academic Council	Decision taken by the Academic Council
1.	Revision of courses of 1st semester of under-graduate programmes of College of Agril. Engg. & Technology as per recommendations of 5th Deans' Committee of ICAR.	373 rd meeting held on 10.8.2016 & 375 th meeting held on 10.9.2016	The Academic Council considered this item and approved the course contents of 1st semester of 2016-17.
2.	Revision of courses of 1st semester of under-graduate programmes of College of Home Science as per recommendations of 5th Deans' Committee of ICAR.	373 rd meeting held on 10.8.2016 & 375 th meeting held on 10.9.2016	The Academic Council considered this item and approved the course contents of 1st semester of 2016-17.
3.	Revision of courses of 1st semester of under-graduate programmes of College of Agriculture as per recommendations of 5th Deans' Committee of ICAR.	373 rd meeting held on 10.8.2016 & 375 th meeting held on 10.9.2016	The Academic Council considered this item and approved the course contents of 1st semester of 2016-17.
4.	Revision of courses of 1st semester of under-graduate programmes of College of Basic Scs. & Humanities as per recommendations of 5th Deans' Committee of ICAR.	373 rd meeting held on 10.8.2016 & 375 th meeting held on 10.9.2016	The Academic Council considered this item and approved the course contents of 1st semester of 2016-17.
5.	Revision of courses of 2nd semester of under-graduate programmes of College of Agriculture as per recommendations of 5th Deans' Committee of ICAR.	378 th meeting held on 30.12.2016	The Academic Council considered this item and approved the course contents of 2nd semester of 2016-17.
6.	Revision of courses of 2nd semester of undergraduate programmes of College of Agril. Engg. & Technology as per recommendations of 5th Deans' Committee of ICAR.	378 th meeting held on 30.12.2016	The Academic Council considered this item and approved the course contents of 2nd semester of 2016-17.
7.	Revision of courses of 2nd semester of undergraduate programmes of College of Home Science as per recommendations of 5th Deans' Committee of ICAR.	378 th meeting held on 30.12.2016	The Academic Council considered this item and approved the course contents of 2nd semester of 2016-17.
8.	Revision of courses of 2nd semester of undergraduate programmes of College of Basic Scs & Humanities as per recommendations of 5th Deans' Committee of ICAR.	378 th meeting held on 30.12.2016	The Academic Council considered this item and approved the course contents of 2nd semester of 2016-17.

Sr. No.	Name of the College/Subject	Meeting of the Academic Council	Decision taken by the Academic Council
9.	Revision of courses of undergraduate programmes from 3rd semester onwards based on the recommendations of 5th Deans' Committee of ICAR of College of Basic Scs. & Humanities	384 th meeting held on 14.6.2017. 385 th meeting held on 24.6.2017	The Academic Council considered this item and approved the revision of courses offered of undergraduate programmes of different colleges of the University from 3rd semester onwards based on the recommendations of 5th Deans' Committee of ICAR, subject to the condition that the courses Business Management and Statistics discipline will be re-visited. The Academic Council considered the course contents of Business Management & Statistics and approved the same.
10.	Revision of courses of undergraduate programmes from 3rd semester onwards based on the recommendations of 5th Deans' Committee of ICAR of College of Agriculture.	386 th meeting held on 22.7.2017	The Academic Council considered this item and approved the course contents.
11.	Revision of courses of undergraduate programmes from 3rd semester onwards based on the recommendations of 5th Deans' Committee of ICAR of College of Agril. Engg. & Technology	386 th meeting held on 22.7.2017	The Academic Council considered this item and approved the course contents of all the four courses of School of Renewal Energy Engineering with minor corrections. Course contents of all the courses of the Dept. of Processing & Food Engineering & Soil & Water Engineering were also approved.
12.	Revision of courses of undergraduate programmes from 3rd semester onwards based on the recommendations of 5th Deans' Committee of ICAR of College of Home Science	386 th meeting held on 22.7.2017	The Academic Council considered this item and approved the course contents.
13.	Revision of undergraduate courses of College of Agriculture as per	<u>391st meeting held on 28.12.2017</u>	The Academic Council approved the revision of 3 rd semester courses of

Sr. No.	Name of the College/Subject	Meeting of the Academic Council	Decision taken by the Academic Council
	recommendations of 5 th Deans' Committee of ICAR		the undergraduate programmes of College of Agriculture with minor modifications as per recommendations of 5 th Deans' Committee of ICAR as per agenda item
14.	Revision of course contents for 3 rd and 4 th year of undergraduate programme of College of Agriculture as per recommendations of 5 th Deans' Committee of ICAR	<u>397th meeting held on 30.07.2018</u>	The Academic Council approved the contents for 3 rd and 4 th year courses of B.Sc.(Hons.) Agriculture- 4 year B.Tech. (Biotechnology) 4-year and B.Tech (Food Technology) 4 year programmes with some minor modifications as per agenda item.

Annexure B1

List of Publications (2018)

1. Aasnani Mohit Kumar, Baldev Dogra, Gulzar Singh Sanghera and GursahibsinghManes 2018. Modification and evaluation of commercially available sugarcane trench planter for its application under Punjab conditions” *Sugar Tech* <http://dx.doi.org/10.1007/s12355-018-0679-y> (NAAS rating 6.81)
2. Ahmed S, Rattanpal HS, Singh Gurteg (2018) Diversity assessment of grapefruit (*Citrus × paradisi*) and tangelo (*Citrus × tangelo*) under Indian conditions using physico-chemical parameters and SSR markers. *Appl Eco Environ Res* 16 (5):5343-5358. (NAAS rating 6.68)
3. Anamika, Utreja D, Ekta, Jain N and SharmaS (2018) Advances in Synthesis and Potentially Bioactive of Coumarin Derivatives. *Curr. Org. Chem.*22: 2507-2534. (NAAS : 8.19)
4. Anamika, Utreja D, Kaur J and SharmaS (2018) Synthesis of Schiff bases of coumarin and their antifungal activity. *Indian J Heterocycl. Chem.*28(4): 433-439. (NAAS rating: 6.04)
5. Arjun K, Dhaliwal M S, Jindal S K and Fakrudin B (2018) Mapping for fruit length related QTLs in interspecific cross (*Capsicum annuum* L. × *Capsicum galapagoense*Hunz) of chilli. *Breeding Science* 68(2): 219-226. (NAAS rating 7.56)
6. Arora, S., Mohanpuria, P., & Sidhu, G. S.(2018). Citrus limonoids: mechanism, function and its metabolic engineering for human health. *Fruits*, 73(3). (NAAS: Score: 6.64)
7. Arora, S., Mohanpuria, P., Sidhu, G. S.,Yadav, I. S., & Kumari, V. (2018). Cloning and Characterization of Limonoid Glucosyltransferase from Kinnow Mandarin (*Citrus reticulata* Blanco). *Food technology and biotechnology*, 56(2), 228. (NAAS Score: 7.17)
8. Asthir B, Jain D, and Bains N S (2018) Supplementation of Nitrogen and its Influence on Free Sugars, Amino acid andProtein Metabolism in Roots and Internodes of Wheat. *CerealRes Comm* 46(4) 658-667. (NAAS rating: 6.50)
9. Asthir B, Kumar R and Bains NS (2018) Why and how putrescine modulates thermotolerance in wheat?. *Indian J BiochemBiophys* 55: 404-412. (NAAS rating: 6.96)
10. Atul K, Gill JPS, Bedi JS, Manav M, Ansari MJ, WaliaGurjeet Singh 2018. Sensorial and Physicochemical Analysis of Indian Honeys for assessment of Quality and Floral Origins. *Food Research International* 108:571-583. NAAS Rating: 9.09
11. Balwinder-Kaur, Baljit-Singh, Navneet-Kaur and Dhanwinder-Singh (2018) Phytoremediation of cadmium-contaminated soil through multipurpose tree species. *Agroforestry Systems* 92: 473–483 (NAAS rating 7.17)
12. Benbi DK (2018) Carbon footprint and agricultural sustainability nexus in an intensively cultivated region of Indo-Gangetic Plains. *Science of the Total Environment* 644: 611-623 (NAAS rating 10.61)

13. Benbi DK (2018) Evaluation of a rapid microwave digestion method for determination of total organic carbon in soil. *Communications in Soil Sci. & Plant Analysis*49:2103-2112. (NAAS rating 6.59)
14. Bera T, Sharma Sandeep, Thind H S, Yadvinder-Singh, Sidhu H S and Jat M L. 2018. Changes in soil biochemical indicators at different wheat growth stages under conservation based sustainable intensification agriculture practices of rice-wheat system. *Journal of Integrative Agriculture*.17:1871-1880. (NAAS rating 7.02)
15. Bhamota S, Dixit A, Manes G S, Dhatt A, Singh S K and Singh A (2018) Field evaluation of semi-automatic vegetable trans planter for major vegetable crops. *Indian Journal of Agricultural Sciences* 88 (11): 1755-59 (NAAS rating 6.23)
16. Bhardwaj Ruchika, Garg T, Malik E A, Vikal Y, Sohu R S and Gupta S K (2018) Genetic diversity studies in Pearl Millet (*Pennisetum glaucum* L (R.) Br.) inbred lines. *Indian J Genet* 78(3): 382-85 (NAAS rating: 6.41)
17. Bhatia D, Wing R A, Yu Y, Chougule K, Kudrna D, Rang A and Singh K (2018) Genotyping by sequencing of rice interspecific backcross inbred lines identifies QTLs for grain weight and grain length. *Euphytica* 214: 41. <https://doi.org/10.1007/s10681-018-2119-1> 7.63(NAAS rating 8.47)
18. Bhatia S, Kaur B ,Phutela U G and Kumar P (2018). Kinetic and thermodynamic behaviour of partially purified cellobiase from *Humicola fuscoatra* MTCC 1409. *Ind. j Biochem. Biophys.* 55:163-172 (NAAS rating 6.0)
19. Bhavyasree R K, Singh S and Singh I (2018) Advanced backcross strategy for alien introgression for productivity enhancing traits in chickpea (*Cicer arietinum* L.) *Legume Research* 41(3): 79-83 [NAAS rating 6.12].
20. Biswajeet Singh, V P Sethi, Mankaran Dhiman, Ashwani Sharma (2018). Design, Evaluation and Heat Transfer analysis of novel forced draft paddy straw bale combustor using heat sink pipe networks for greenhouse heating. *Energy Conversion and Management* 173, 244-261 (NAAS Rating 12.38).
21. Boparai A K and Manchanda J S (2018) Upper and lower levels of boron for cotton and wheat as influenced by calcium carbonate. *Journal of Plant Nutrition* 41(18): 2386-2400 (Naas rating-6.92)
22. Boparai A K and Manchanda J S (2018) Extractability of available boron and its sequential fractionation in alkaline calcareous soils of India. *Communications in Soil Science and Plant Analysis* 49(17): 2197-2208. (Naas rating-6.59)
23. Boparai A K and Manchanda J S (2018) Response of cotton and wheat cultivars to soil applied boron in a boron deficient, non calcareous Typic Ustochrept. *Communications in Soil Science and Plant Analysis* 50(1): 108-118. (Naas rating-6.59)
24. Brar J S and KhehraSavreet 2018.Relationship between orchard soil management practices, fruit drop and economic aspects in Kinnow mandarin. *Indian J Hort*75:145-148 (NAAS rating 6.15)
25. Carpenter Sara, Prashant Mishra, Chandrika Ghoshal, Prasanta Dash, Li Wang, SamritiMidha, Gouri Shankar Laha, Jagjeet Lore, WichaiKositratana, Nagendra Singh, Kuldeep Singh, Prabhu Patil, Ricardo Oliva, SujinPatarapuwadol, Adam Joseph

- Bogdanove, Rihitu Rai (2018) A strain of an emerging Indian pathotype of *Xanthomonas oryzae* pv. *oryzae* defeats the rice bacterial blight resistance gene *xa13* without inducing a clade III *SWEET* gene and is nearly identical to a recent Thai isolate. *Frontiers in Microbiology*, <https://doi.org/10.1101/384289> (NAAS rating: 10.08).
26. Chahal SS, Choudhary OP and Mavi MS (2018) Microbial activity is constrained by the quality of carbon and nitrogen under long-term saline water irrigation. *Communications in Soil Science and Plant Analysis* 49: 1266-1280. (NAAS rating 6.59)
 27. Chandel RS, Soni S, Vashisth S, Pathania M, Mehta PK, Rana A, Bhatnagar A and Agrawal VK (2018). The potential of entomopathogens in biological control of white grubs. *International Journal of Pest Management*. DOI: 10.1080/09670874.2018.1524183 (NAAS Rating 7.09)
 28. Chandel S and Hadda M S (2018) Soil quality assessment through minimum data set under different land uses of submontane Punjab. *Communication in Soil Science and Plant Analysis*. DOI: 10.1080/00103624.20181425424 (NAAS rating 6.54)
 29. Chandel S, Hadda MS and Mahal AK 2018. Soil quality assessment through minimum data set under different land uses of Submontane Punjab. *Communications in Soil Science and Plant Analysis* 49 (6): 658-74. (NAAS rating : 6.59)
 30. Chauhan SK, Dhakad AK and Sharma R (2018) Growth dynamics of different half-sib families of *Melia azedarach* Linn. *PLoS ONE* 13(11): e02071(NAAS Rating 8.77).
 31. Chavan Prasad, Singh A K and Kaur Gagandeep 2018. Recent progress in the Utilization of Industrial Waste and By-products of Citrus Fruits: A Review. *Journal of Food Process Engineering* DOI: 10.1111/jfpe.12895: 1-10. (NAAS rating 7.96)
 32. Dar M Din, Aggarwal R, and Kaur S (2018) Comparing bias correction methods in downscaling meteorological variables for climate change impact study in Ludhiana, Punjab, India. *Journal of Agrometeorology* 20(2): 126-130 (NAAS Rating: 6.15).
 33. Dar E A, A S Brar and Abrar Yousuf. 2018. Growing degree days and heat use efficiency of wheat as influenced by thermal and moisture regimes. *Journal of Agrometeorology*. 20(2): 168-170. (NAAS: 6.56).
 34. Dar RA, Dar EA, Kaur A, Phutela UG (2018). Sweet sorghum-a promising alternative feedstock for biofuel production. *Renewable and Sustainable Energy Reviews* 82 : 4070–4090(NAAS rating 14.05)
 35. Das De, T., Sharma, P., Thomas, T., Singla, D., Tevatiya, S., Kumari, S., Chauhan, C., Rani, J., Srivastava, V., Kaur, R., Pandey, K.C., Dixit, R. (2018). Interorgan Molecular Communication Strategies of “Local” and “Systemic” Innate Immune Responses in Mosquito *Anopheles stephensi*. *Frontiers in immunology*, 9, 148. (NAAS Score: 11.51)
 36. De, T.D., Thomas, T., Verma, S., Singla, D., Chauhan, C., Srivastava, V., Sharma, P., Kumari, S., Tevatiya, S., Rani, J. and Hasija, Y., (2018). A synergistic transcriptional regulation of olfactory genes drives blood-feeding associated complex behavioral responses in the mosquito *Anopheles culicifacies*. *Frontiers in physiology*, 9. (NAAS Score: 9.39)

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Annexure B2

Faculty members having H-index of 10 or more

S.No.	Department/Field	Name of Faculty	H-Index
1.	Agronomy	Gulshan Mahajan	24
2.		G. S. Buttar	17
3.		M.S Bhullar	11
4.	Biochemistry	Sucheta Sharma	18
5.		BavitaAsthir	15
6.		Satvir Kaur	14
7.		Rimaljeet Kaur	12
8.	Botany	Rajni Sharma	10
9.	Chemistry	Manpreet Kaur	11
10.	Economics & Sociology	Kamal Vatta	13
11.	Entomology	Kousik Mandal	13
12.	Food & Nutrition	Kiran Bains	12
13.	Food Science & Technology	Amarjeet Kaur	20
14.		Baljit Singh	16
15.		Savita Sharma	16
16.		PoonamA.Sachdev	14
17.		Usha Bajwa	12
18.		Jaspreet Kaur	10
19.		Pragati Kaushal	10
20.	Forestry & Natural Resources	S.K. Chauhan	14
21.	Fruit Science	B. V. C. Mahajan	19
22.		W. S. Dhillon	14
23.		S. K. Jawandha	10
24.		Parpal Singh Gill	10
25.	Human Development	Sarita Saini	12
26.	Mechanical Engineering	V. P. Sethi	12
27.	Microbiology	Poonam Sharma	11
28.	Microbiology	Veena Khanna	11
29.		G. S. Kocher	11
30.	Plant Breeding & Genetics	Baldev Singh Dhillon	31
31.		S. S. Banga	25
32.		Navtej Singh Bains	19
33.		Guriqbal Singh	16
34.		Sarvjeet Singh	16

S.No.	Department/Field	Name of Faculty	H-Index
35.		G. S. Sanghera	15
36.		T. S. Bains	15
37.		Virender Sardana	15
38.		Hari Ram	14
39.		V. S. Sohu	14
40.		Inderjit Singh	13
41.		G. S. Mavi	11
42.		Veena Khanna	10
43.	Plant Pathology	T. S. Thind	17
44.	Renewable Energy Engineering	Sukhmeet Singh	13
45.	School of Agricultural Biotechnology	D. S. Brar	44
46.		Kuldeep Singh	30
47.		Parveen Chhuneja	23
48.		Ajinder Kaur	14
49.		Yogesh Vikal	14
50.		Jageep Singh Sandhu	13
51.		Prashant Mohanpuria	13
52.		Kumari Neelam	12
53.		Deepak	10
54.		Priti Sharma	10
55.	Satinder Kaur	10	
56.	School of Organic Farming	Sohan Singh Walia	11
57.	Soil Science	Yadvinder Singh	34
58.		Bijay Singh	30
59.		S. S. Kukal	28
60.		D. K. Benbi	27
61.		R. K. Gupta	18
62.		B. S. Brar	15
63.		VarinderpalSingh	15
64.		O. P. Choudhary	14
65.		Brijesh Kumar Yadav	13
66.		S. S. Dhaliwal	11
67.		Dhanwinder Singh	10
68.		Rajan Bhatt	10
69.		Kuldip Singh	10
70.	Vegetable Science	A. S. Dhatt	10

S.No.	Department/Field	Name of Faculty	H-Index
71.		R. K. Dhall	10
72.	Zoology	G. K. Sangha	11
73.		Neena Singla	11

Annexure B3 (i)

Patents granted during 2018

Sr. No.	Technology	Patent No. (Application no.)	Date of Grant
1.	A fermentation process for preparation of concentrated sugarcane vinegar	291923 (742/DEL/2011)	22.01.2018
2.	An improved solar dryer using packed bed natural circulation	292043 (136/DEL/2009)	23.01.2018
3.	An improved solar cooker	297732 (1343/DEL/2009)	18.06.2018
4.	A process for dyeing textiles using plant sources Polygonum bistorata and Cyprus rotundus	300816 (1752/DEL/2006)	06.09.2018
5.	Beneficiation of phosphate rock for the segregation of phosphorus containing heavy metal free minerals	301187 (1042/DEL/2014)	19.09.2018

Annexure B3 (ii)Varieties released: **Ten**

Sr.No.	Crop	Variety	Gazette Notification No./Date
1	Oats	OL 1804	S.O.399(E)/24.1.2018
2	Oats	OL 1802	S.O.399(E)/24.1.2018
3	Rice (Basmati)	Punjab Basmati 4	S.O.1379(E)/27.3.2018
4	Rice (Basmati)	Punjab Basmati 5	S.O.1379(E)/27.3.2018
5	Rice	PR 126	S.O.1379(E)/27.3.2018
6	Bajra Napier Hybrid	PBN 342	S.O.1379(E)/27.3.2018
7	Oats	OL 1802-1	S.O.6318(E)/26.12.2018
8	Oats	OL 1769-1	S.O.6318(E)/26.12.2018
9	Oats	OL 1760	S.O.6318(E)/26.12.2018
10	Sugarcane	CoPb 94	S.O.6318(E)/26.12.2018

New farm machinery & tools developed during the year 2018: **Nine**

S. No	New Farm Machinery & tools developed during the year 2018
1	Self-propelled 4-WD high clearance sprayer
2	Tractor operated subsurface drip laying machine
3	Tractor operated pea pod collector
4	Tractor operated PAU biomass incorporator
5	Tractor operated paddy bale shredder
6	Manually operated gladiolus planter
7	Tractor operated pebble collector
8	Tractor operated irrigation channel former for orchards
9.	M.B Plough for shallow ploughing

Annexure C6

List of inter-institutional collaborative projects

	Project Title	P.I.(s)	Funding Agency	Collaborators	Total outlay	Durati on
1.	Pyramiding of rust resistance genes into high grain quality wheat lines developed through marker assisted collections.	Dr. Praveen Chhuneja Dr. Satinder Kaur School of Agril. Biotechnology	DBT, New Delhi	CCSU, Meerut; Agarkar Res. Inst., Pune; BHU Varanasi; GBPUA&T, Pantnagar)	60,01,200	Three years
2.	Popularization of Lucky Seed Drill for sowing & simultaneous spraying of pre-emergence herbicides for better & cost effective weed management in rice (DSR) wheat system in Punjab.	Dr. Jasvir Singh Gill, Farm Machinery & Power Engineering	Punjab Pollution Control Board, Patiala	Punjab Pollution Control Board, Patiala	5,30,000	One year
3.	Participation in searches for new physics at the Belle II experiments.	Dr. Rajiv Kumar Deptt. of Math, Stat & Physics	SERB, New Delhi	PU, Chandigarh and ISSER, Mohali)	20,11,020	Three year
4.	DST-ICRISAT Centre of Excellence on climate change research for plant protection (COE-CCRPP): Pest X Disease management for climate change adoption.	Dr. Asmita Sirari Plant Breeding & Genetics	ICRISAT, Hyderabad	ICRISAT, Hyderabad	16,42,300	Five years
5.	Development of indigenous tractor mounted spacing machine.	Dr. Baldev Dogra, Farm Machinery & Power Engg.	SERB , New Delhi (through CSIR, CMERI, Ludhiana	CSIR- Centre of Excellence in Farm Machinery, Ludhiana	21,94,000	Three years
6.	Refinement and multi location feasibility studies on straw management systems for combine harvester to evenly spread loose residue.	Dr. Manpreet Singh Farm Machinery & Power Engineering	SERB , New Delhi (through CSIR, CMERI, Ludhiana)	CSIR- Centre of Excellence in Farm Machinery, Ludhiana	35,25,000	Three years
7.	Design and development of variable rate fertilizer applicator.	Dr. Manjit Singh Farm Machinery & Power Engineering	SERB , New Delhi (through CSIR, CMERI, Ludhiana)	CSIR- Centre of Excellence in Farm Machinery, Ludhiana	33,94,000	Three years
8.	Enhancing water used efficiency in rice wheat cropping system using Internet of Things (IOT).	Dr. Ajmer Singh Brar, Agronomy	World Bank, New Delhi	World Bank, New Delhi	16,27,692	Two Years
9.	Transformation India's Green	• Dr. Achla Sharma	Resarch	Univ. of	5,53,89,0	Four

	Project Title	P.I.(s)	Funding Agency	Collaborators	Total outlay	Durati on
	Revolution by Research & Empowerment for sustainable food supplies (TIGR2ESS).	Plant Breeding & Genetics <ul style="list-style-type: none"> • Dr. Sandeep Kapoor School of Business Studies • School of Agricultural Biotechnology 	Council, U.K through University of Cambridge , U.K.	Cambridge UK; Univ. of Hull UK; Univ of East Anglia, UK; NIAB, UK; IIT Ropar)	00 approx. (GBP 606,304)	years
10.	Evaluation of chickpea breeding materials for yield and ascochyta blight	Dr. Sarvjeet Singh, Plant Breeding & Genetics	ICRISAT, Hyderabad	ICRISAT, Hyderabad	1,00,000	One year
11.	Detection of water and Nutrient stresses in crops using remote and proximal sensing	Dr. S.S. Dhaliwal Soil Science	Space Application Centre, Ahmedabad	Space Application Centre, Ahmedabad	18,52,000	Three years
12.	Pilot Implementation of Direct Benefit Transfer of Electricity (DBTE) to Agriculture	Dr. Rajan Aggarwal	World Bank through TERI	World, Bank, J-PAL, USA; TERI India	19,33,000	Two Years
13.	Exploiting alien genetic resources for developing climate resilient wheat and understanding mechanism of heat tolerance (2018)	PI: SatinderKaur	ICAR_NAS F	IWBR (coordinating) NRCPB, New Delhi)	(Total Budget: 133.31 lakhs;	Three Years
14.	Enhancing diffusion of paddy straw management technologies in Ludhiana & Moga districts of Punjab Misc.166 (PC 4753)		National Bank for Rural Development, Chandigarh (NABARD)		4,60,018	
15.	Management of Cotton White Fly Through Crop Surveillance and Dissemination of IPM Technology in Four Villages of Mansa Distt., Misc-72 (PC-4784)		National Bank for Rural Development, Chandigarh (NABARD)		99,000	
16.	Management of Cotton White Fly Through Crop Surveillance and Dissemination of IPM Technology in Four Villages of Bathinda Distt., Misc-89, (PC-4799)		National Bank for Rural Development, Chandigarh (NABARD)		99,000	

Annexure C7**Partnership with Private Sector made during 2018**

Sr. No.	Name of the scheme	Funding Agency	Amount (Rs.)
1.	Enhancing cotton production through International crop solution under Public Private Partnership mode Misc.17 (PC 4735)	M/s Bayer Crop Science Limited, Phagwara	10,25,000
2.	Enhancing basmati rice productivity through integrated crop solution under Public Private Partnership mode Misc.18 (PC 4738)	M/s Bayer Crop Science Limited, Phagwara	5,56,000
3.	Organization of farmers training camp on safe and judicious use of agro-chemicals at KVK, Bathinda Misc-132 (PC-4834)	Hindustan Insecticides Limited, New Delhi	2,00,000
4.	Organization of Farmers Training Camp on Safe and Judicious Use of Agro-Chemicals at FASC, Sangrur, Misc-131 (PC-4833)	Hindustan Insecticides Limited, New Delhi	2,00,000
5.	Skill Development Training Course on Job Role of Gardener, Misc-163 (PC-4868)	Hindustan Insecticides Limited, New Delhi	8,00,000
6.	Collaborative research project of PG students	Mahindra & Mahindra Pvt. Ltd, MRV, Chennai	
7.	Demonstration on straw management technology at farmers' field on 12000 acres	Confederation of Indian Industries	

The University has also signed MoA's with 122 manufacturers for transfer of technology of super SMS, technology for happy seeder, cutter cum spreader, straw chopper, vegetable varieties, technologies for product development, etc (**List enclosed**).

Annexure C8

Exchange of faculty (Sabbatical, Visiting Scientist, Adjunct Faculty) during 2018

List of foreign visitors

Name	Place visited	Date of visit	Purpose of visit
Prof. Mohammad Abdrabou Ahmed Dr Ahmed Awny Ahmed Farag	PAU	16.3.18 to 30.3.18	Visiting scientist under India Egyptian Project
Dr Bikram S Gill Distinguished Professor Emeritus Kansas State University	PAU	5.11.2018 to 10.11.2018	Wheat breeding programme at PAU

Foreign visits by PAU faculty

Name	Place visited	Date of visit	Purpose of visit
Dr Preetinder Kaur (Sr Research Engineer)	Natural Resources Institute, University of Greenwich, Medway campus, Kent, UK	June 16, 2018 to July 13, 2018	Visiting scientist under the INDO-UK project "Bio-based Packaging for Fresh Food (BIOFRESHPAK)"
Dr Preetinder Kaur (Sr Research Engineer)	University of Lincoln, UK	September 27, 2018 to October 7, 2018	Visiting scientist under the INDO-UK project "Development & optimization of fresh produce supply chain and storage systems"
Dr Rakesh Sharda Er. Chetan Singla	Central Laboratory for Agricultural Climate (CLAC), Agricultural Research Center, (ARC), Giza, Egypt	25.2.18 to 11.3.2018	Visiting scientist under India Egyptian Project

Annexure C9

Enterprises / start-ups promoted by the University

Sr. No	Name of the machine/technology transferred	No of units	Address of farmers/ entrepreneurs/ manufacturers
1.	Agroprocessing complex	8	1. S. Babbu Singh, Distt. Mansa 2. Satpal Garg, Distt. Mansa 3. Vijay Kumar, Distt. Bathinda 4. Kapil Kansal, Distt. Bathinda 5. S. Gurdeep Singh, Distt. Ludhiana 6. S. Sukhwinder, Distt. Ludhiana 7. S. Chamkaur Singh, Distt Ludhiana 8. S. Gurtez Singh, Distt. Ferozepur
2.	Honey heating cum filtration system	15	1. Saheli Sankalp, Rajasthan 2. Hari Kirpa Agencies, Phagwara 3. Balprada Herbals, Moradabad 4. Bee Brew, Bangalore 5. Uttaransh Uttarakhand 6. Raghav Kumar, Bijnor 7. Honey Fantastico, Hoshiarpur 8. Global Apiaries, Fatehpur 9. Vikas Sharma, UP 10. Bastar Bee, Chattisgarh 11. Ever Farm, Talwandi 12. Kamboj Bee, Haryana 13. Mahavir Paliwal, Haryana 14. Jeevanrekha, Bhubaneshwar 15. Chattisgarh Food Products, Chattisgarh
3	Turmeric Processing	3	1. DaljeetSingh, VPO- Dakha, Gurdaspur 2. Balbir Singh, VPO- Patti Mana, Barnala 3. Chand Rani, VPO-ChanniGujran Pathankot
4.	Jaggery Processing	55	1. Amritsar 1. Jagir Singh, VPO- Jassragur 2. Baldev Singh, VPO- Sarangdev 3. Baljinder Singh, VPO-Jafarkot 4. Lakwinder Singh, VPO- Jafarkot 5. Balwinder Singh, VPO- Makowal 6. Jagir Singh, VPO- Makowal 7. Ram Krishan, VPO- Threwal 8. Jugraj Singh, VPO- Jaintipur 9. Jashandeep Singh, VPO- Chugawa 10. Jaswinder Singh, VPO- Adaliwal 2. Bhatinda 1. Manpreet Singh, VPO TalwandiSabhon 2. Sukhdeep Singh, VPO- TalwandiSabhon 3. Faridkot 1. Gurtej Singh, VPO- Mmara 2. Kaur Singh, VPO- Panjgrain Kalan 4. Fatehgarh Sahib 1. Surmukh Singh, VPO- PohloMajra 2. Avtar Singh, VPO- PohloMajra 3. Kashmir Singh, VPO- Bathan Khurd

Sr. No	Name of the machine/technology transferred	No of units	Address of farmers/ entrepreneurs/ manufacturers
			<p>4. Jaspal Singh, VPO- Lotre 5. Pargat Singh, VPO- Lotre</p> <p>5. Fazilka 1. Mainpal, VPO- ChakRadhe Wala 2. AjaibNeyol, VPO- Ramsra</p> <p>6. Ferozepur 1. Jaspal Singh, VPO- Warachain Wala 2. Amrik Singh, VPO- Basti Bhai ke 3. Satpal Singh, VPO- Ghalkhurad 4. Kuljit Singh, VPO- Mamdot</p> <p>7. Gurdaspur 1. Budh Singh, VPO- dehriwal 2. Gurmukh Singh, VPO- KheraKotli 3. Dalwinder Singh, VPO- Dalerpur</p> <p>8. Hoshiarpur 1. Balveer Singh, VPO- Bhagatpur 2. Jeewan Singh, VPO- Bhagatpur 3. Joga Singh, VPO- Bhuwnal</p> <p>9. Jalandhar 1. Charanjitsingh, VPO- Gosal 2. Sarbjeetsingh, VPO- Mausahiv Sahib 3. Lakhwinder Singh, VPO- Turna 4. Ranjit Singh, VPO- Bhadwa 5. Balkar singh, VPO- salema 6. Gurvinder singh, VPO- Balalon 7. Balbir Singh, VPO- Bhaura 8. Gurmail Singh, VPO- Loharan</p> <p>10. Kapurthala 1. Navjot Singh, VPO-Rawal 2. Devinder Singh, VPO- Ramgarh 3. Sukhjot Singh, VPO- Diwala</p> <p>11. Mansa 1. Gurpremsingh, VPO- SukhnaAblu</p> <p>12. SBS Nagar 1. Kashmir Singh, VPO- Jafarpur 2. DumanSingh, VPO- Mallpur Ark</p> <p>13. Patiala 1. Mandhir Singh, VPO- Shutrana</p> <p>14. Rupnagar 1. Bikram Singh, VPO- Bhallari</p> <p>15. Sangrur 1. Harinder Singh, VPO- Dhandolikhurad 2. Kuldeep Singh, VPO- Ghabda 3. Karmjit Singh, VPO- Badanpur</p> <p>16. Tarn-Taran 1. Satnam Singh, VPO- Warana 2. Hardev Singh, VPO- Toe 3. Manjit Singh, VPO- Toe 4. Dawinder Singh, VPO- Jalalchak 5. aram Chand, VPO- Lalopa</p>

Sr. No	Name of the machine/technology transferred	No of units	Address of farmers/ entrepreneurs/ manufacturers
5.	Rooftop vegetable nutrition garden model using soilless media	5	<ol style="list-style-type: none"> 1. M/s Blue stallion Equipments(P) Ltd, 4585 , Street No.14, Shimla Puri, Ludhiana -141003 2. Rajindra Agri Clinic, GT Road, MananWala, Near Amritsar 3. Narinder Singh S/o Uttam Singh, House No: 12302, Pratap Nagar, Miller Ganj, Ludhiana Punjab-141003 4. Innovative Greenhouse Projects LLP, Blurock Tower, Near Ramsharnam Ludhiana -141001 (Head office: SCF-37,Near SBOP, SabjiMandi, Bathinda-151001) 5. M/s. Banwait Brother, Bhullarai Colony, Hoshiarpur Road, Phagwara

Total: 86

(In addition to this more than 100 start-ups have been promoted by the KVKs)

Annexure C10

Percentage of students employed in Public/Private/Banking sectors:

Sr. No.	Employment sector	No. of students	Percentage of total (%)
1	Public	149	16.45
2	Private	57	6.29
3	Banking	18	1.99
4	Others	9	0.99
Total		233	25.72

List of students

Sr.No.	Name of the Student	Admission No.	Name of the Organisation
1	Adesh Kumar	L-2011-A-37-D	Asst.Professor Jhansi
2	Akanksha Pahwa	L-2012-A-47-M	Food Science and Technology, PAU,
3	Amandeep Kaur	L-2014-BS-226-M	Department of Economics & Sociology, PAU,
4	Amandeep Singh	L-2016-A-134-M	Dept. of Agriculture, Govt. of Punjab
5	Amandeep Singh	L-2016-A-120-M	ADO Deptt. of Agriculture Punjab
6	Amanpreet Singh Sandhu	L-2015-A-83-M	ADO Deptt. of Agriculture Punjab
7	Amritpal Singh	L-2016-A-122-M	ADO Deptt. of Agriculture Punjab
8	Anil Dogra	L-2010-BS-55-D	Jammu university
9	Anita Payuum	L-2012-A-37-D	Asst.Professor Jhansi
10	Ankit Kumar	L-2014-AE-139-D	SRF, Division of Agricultural Engineering, IARI, New Delhi
11	Ankita	L-2014-BS-81-D	Wheat Section, PBG, PAU
12	Ankur Chaudhary	L-2016-A-4-D	CCS, HAU, Hisar
13	Arashdeep Singh	L-2016-A-123-M	ADO Deptt. of Agriculture Punjab
14	Arjun Singh	L-2016-A-73-M	Punjab Govt.
15	Arun Kumar Attkan	L-2014-AE-138-D	Asstt Professor, CCSHAU, Hissar
16	Ashutosh srivastava	L-2011-BS-56-D	Rani lakshmi bai central agri. Uni.
17	Bachittar Singh	L-2016-A-86-M	Rani lakshmi bai central agri. Uni.
18	BaljinderKaur (B.Tech)		Public Sector (SCO)

Sr.No.	Name of the Student	Admission No.	Name of the Organisation
19	Balwinder Singh	L-2014-A-6-D	Guru Kashi University, Talwandi Sabo
20	Binder Kaur	L-2013-A-68-M	Agriculture Department
22	Deepali Jain	L-2015-BS-257-M	Department of Agronomy, PAU
23	Divya	L-2015-A-22-M	Deptt of Agriculture
24	Gagandeep Kaur	L-2011-BS-57-D	Department of Botany , PAU
25	Gaurav (B.Tech)		Public Sector (SCO)
26	Gurjeet Singh Brar	L-2016-BS-03-MBA (AB)	GCMMF(Amul)
27	Gurloveleen Singh	L-2013/14-A-39-M	Department of Agriculture & Farmer Welfare
28	Gurnaz Singh Gill	L-2013-AE-111-D	Asstt Professor(Processing& Food Engg), KVK, Rauni
29	Gurpreet Singh	L-2016-BS-04-MBA(AB)	GCMMF(Amul)
30	Gurpreet Singh	L-2016-A-126-M	ADO Deptt. of Agriculture Punjab
31	Gurwant Singh	L-2014-A-135-M	Dept. of Agriculture, Govt. of Punjab
32	Hamidullah Amiry	L-2017-A-34-M	M.Sc Extension Education
33	Hardeep Kumar	L-2012-BS-65-D	M.Sc Extension Education
34	Harmandeep Singh	L-2015-A-103-M	Agriculture Department
35	Harmandeep Singh		ADO Deptt. of Agriculture
36	Harmanpreet Kaur	L-2016-AE-198-M	Soil Conservation Officer, Sangrur
37	Harmeem Prashar	L-2012-BS-04-IM	Govt. Medical Collage, Patiala
38	Harpinder Singh (B.Tech)		Public Sector (SCO)
39	Harpreet Singh	L-2015-A-47-D	DES Kapurthala PAU, Ludhiana
40	Husandeep Singh		ADO Deptt. of Agriculture
41	Indira Devi		PAU Ludhiana
42	Jagdeep kaur		Asst. Prof. KVK Ferozepur

Sr.No.	Name of the Student	Admission No.	Name of the Organisation
43	Jaideep Singh		ADO Deptt. of Agriculture
44	Jashandeep Kaur	L-2015-A-23-M	Deptt of Agriculture
45	Jashanjot Kaur		Organic Farming Patiala
46	Jasman Kullar	L-2016-BS-287-M	Department of Microbiology, PAU
47	Jaspinder Kaur	L-2015-A-07-D	Deptt of Agriculture
48	Jasreet Kaur	L-2014-A-20-D	FASS, Patiala
49	Jasreet kaur		Asst. Entomologist, Fass Patiala
50	Jaswinder Kumar	L-14/15-A-113-D	Dept. of Agriculture, Govt. of Punjab
51	Jatinder Singh	L-2015-A-142-M	Dept. of Agriculture, Govt. of Punjab
52	Jeevanjot	L-2014-A-63-D	Punjab Agricultural Univ., Ludhiana
53	Karuna	L-2016-A-27-M	Deptt of Agriculture
54	Kirandeep	L-2014-AE-137-D	Research Associate, DPFE, PAU
55	Kuldeep Kaur	L-2013-A-35-D	Agriculture Department
56	Lavjit Kaur	L-2015-BS-64-D	Guru Kashi University, Talwandi Sabo
57	Mahesh Chand Singh		Public (Asstt Prof)
58	Malathi A N	L-2014-AE-140-D	SRF, CIPHET, Ludhiana
59	Mandeep Kaur	L-2016-A-145-M	Dept. of Agriculture, Govt. of Punjab
60	Mandeep Singh	L-2012/13-BS-329-M	GADVASU, Ludhiana
61	Mandeep Singh Brar (B.Tech)		Public Sector (SCO)
62	Maninder Singh Sandhu	L-2014-A-4-D	Deptt. of Agriculture & Farmer Welfare
63	Manjot Kaur	L-2014-HSC-127-D	Deptt. of AJLC, PAU
64	Manmohan Dhkal	L-2015-A-43-D	PAU Ludhiana
65	Manu tyagi	L-2012-A-70-M	PAU

Sr.No.	Name of the Student	Admission No.	Name of the Organisation
66	Mohit Sharma	L-2016-BS-23-MBA	GCMMF(Amul)
67	Monica	L-2013-A-106-M	Dept. of Agriculture, Govt. of Punjab
68	Mr. Parminder Kumar	L-2014-BS-75-D	PAU, Ludhiana
69	Mr. Parminder Singh	L-2010-A-32-D	PAU, Ludhiana
70	Mr. Simrat Singh	L-2010-A-33-D	PAU, Ludhiana
71	Mr. Zahor Ahmed Rather	L-2011-A-31-D	SKUAST, Sri Nagar
72	Mr.Akhil Goyal	L-2013-BS-241-M	Department of Soil Science, PAU, Ludhiana
73	Mr.Amit Kumar	L-2013-BS-71-D	Department of Chemistry, PAU, Ludhiana
74	Mr.Dalvir Kataria	L-2013-BS-72-D	Department of Entomology, PAU Ludhiana
75	Ms Mehak Sethi	L-2014-BS-78-D	PAU, Ludhiana
76	Ms. Jagriti Gupta	L-2013-A-29-D	College of Hort. & Forestry, YSPUHF, Solan
77	Ms. Tanya Thakur	L-2012-A-27-D	PAU, Ludhiana
78	Ms.Heena	L-2015-BS-239-M	Department of Entomology, PAU Ludhiana
79	Ms.Khushbu	L-2013-BS-74-D	Department of Entomology
80	Ms.Mandeep Kaur	L-2012-BS-80-IM	RRS, Gurdaspur
81	Ms.Monika	L-2014-BS-278-M	Guru Kashi Univ. Talwandi Sabo Bathinda
82	Ms.Ramandeep Kaur	L-2012-BS-62-D	Department of Chemistry, PAU, Ludhiana
83	Ms.Ramandeep Kaur	L-2012-BS-63-D	Department of Chemistry, PAU, Ludhiana
84	Ms.Urvashi	L-2012-BS-64-D	Department of Chemistry, PAU, Ludhiana
85	Narinderpal Singh	L-2016-A-110-M	Agriculture Department
86	Navish Kumar	L-2015-A-2-D	CCS, HAU, Hisar
87	Navjot Kaur		ADO Deptt. of Agriculture
88	Neha Sharma		Counsellor RRS, Bathinda

Sr.No.	Name of the Student	Admission No.	Name of the Organisation
89	Nitin Kumar	L-2014-AE-136-D	Asstt Professor, CCSHAU, Hissar
90	Palwinder Singh Brar (B.Tech)		Public Sector (SCO)
91	Parminder Singh	L-2017-A-99-M	Deptt. Agriculture
92	Parminder Singh (B.Tech)		Public Sector (SCO)
93	Patel Sayeed Abdul Hamid	L-2012-A-25-D	Dept. of Vegetable Sci, PAU
94	Pawanjot Kaur	L-2016-BS-289-M	Fishries Department, GADVASU
95	Pooja Goyal (M.Tech)		Public (RF)
96	Preet Kamal Singh Bhangu	L-2012-BS-67-D	Public (RF)
97	Prinka Goyal	L-2011-BS-58-D	Department of Botany , PAU
98	Priyanka	L-2016-A-91-M	Public (RF)
99	Priyanka Parmar	L-2010-BS-38-IM	CSIR,IHBT, Palampur,
100	Rajni Devi	L-2014-BS-95-D	HPKV Palampur
101	Rajwinder Kaur	L-2014-A-19-D	KVK, Faridkot
102	Rajwinder Singh		ADO Deptt. of Agriculture
103	Ramandeep Kaur	L-2015-A-115-M	Agriculture Department
104	Rashmi Upreti		Baba Farid Institute of Technology
105	Ritika Joshi	L-2013-A-46-D	Punjab Agricultural Univ., Ludhiana
106	Ritu Raj	L-2013-A-41-D	Asst.Professor Noor Mahal
107	RuchikaZalpour	L-2016-AE-206-M	Junior Research Fellow, DPFE, PAU
108	Rupeet Gill	L-2014-A-61-D	PAU Ludhiana
109	Rupeet Gill	L-2014-A-61-D	Asst. Plant Pathologist Kapurthala
110	Rupesh kamboj	L-2014-AE-72-BIV	B.Tech Agricultural Engineering
111	Samreet S. Khangura		ASI Deptt. of Agril Punjab

Sr.No.	Name of the Student	Admission No.	Name of the Organisation
112	SamridhDatt	L-2014-AE-203-M	Asstt. Professor, Baba Farid Group of Institutes, Bathinda
113	Sandeep Singh		ASI Deptt. of Agril Punjab
114	Sarvpriya singh	L-2014-A-40-D	PAU
115	Satnam Kaur	L-2016-A-149-M	Dept. of Agriculture, Govt. of Punjab
116	Satnam Singh	L-2014-A-121-M	ADO Deptt. of Agriculture Punjanb
117	Savinderjeet Singh	L-2015-A-49-M	Dept. of Agri. & Farmer Welfare
118	Savinderjeet Singh		ADO Deptt. of Agriculture
119	Shamsher Singh		ASI Deptt. of Agril Punjab
120	Shawinderjit Singh	L-2012-A-64-M	Punjab Govt.
121	Shehnaaz	L-2014-A-62-D	Punjab Agricultural Univ., Ludhiana
122	Shikha Sharma	L-2014-A-56-D	PAU Ludhiana
123	Shikha Sharma	L-2014-A-56-D	Deptt. Plant Pathology
124	Shruti	L-2012/13-BS-240-M	Air Force School , Halwara
125	Simranjit Singh	L-2015-A-44-D	Department of Agriculture, Punjab Govt
126	Simranjit Singh	L-2015-A-44-D	ADO Deptt. of Agriculture Punjanb
127	Sirtaj Singh	L-2013-A-54-M	Punjab Govt.
128	Sukhbir Singh	L-2012 A-28-M	Deptt of Agriculture
129	Sukhchain Singh	L-2014-A-12-D	Deptt of Agriculture
130	Sukhdeep Kaur		ASI Deptt. of Agril Punjab
131	Sukhdeep Singh	L-2014-A-110-M	Agriculture Department
132	Sukhjait kaur	L-2012-BS-28-IM	PBG
133	Sukhmandeep Kaur	L-2016-BS-296-M	Department of Plant Breeding & Genetics, PAU
134	Sukhpreet Singh	L-2015-A-149-M	Dept. of Agriculture, Govt. of Punjab

Sr.No.	Name of the Student	Admission No.	Name of the Organisation
135	Sukhsagar Singh	L-2015-A-15-D	Deptt of Agriculture
136	Sumit Aga\garwal	L-2014-A-60-D	Asst.Professor Jhansi
137	Sumita Chandel	L-2013-A-47-D	Punjab Agricultural Univ., Ludhiana
138	Sunita	L-2013-A-116-M	Dept. of Agriculture, Govt. of Punjab
139	Surpreet Kaur	L-2014-AE-205-M	Soil Conservation Officer, Phagwara
140	Swarnjeet Singh	L-2016-A-151-M	Dept. of Agriculture, Govt. of Punjab
141	Tamanpreet Kaur	L-2015-BS-214-M	School of Organic Farming, PAU, Ludhiana
142	Todar Mal		Asst. Agronomist Ballawal Saunkhri
143	Todarmal	L-2013-A-7-D	CCS, HAU, Hisar
144	Vajinder Pal	L-2014-A-2-D	PAU
145	Vekal Singh	L-1014-A-27-M	Deptt of Agriculture
146	Vikrant	L-2016-A-94-M	Deptt of Agriculture
147	Vivek Kumar		DES, FASC, Barnala
148	Yamini Sharma		PAU Ludhiana
149	Yashpreet Kaur	L-2015-A-41-M	Department of Agriculture & Farmer Welfare
150	Aashna Taneja	L-2016-BS-272-M	Event Manager, Dainik Jagran
151	Aishanee Roy	L-2014-AE-03-BIV	VST Tillers
152	Amandeep Koundal	L-2014-AE-06-BIV	International Tractors Ltd.
153	Amandeep Singh	L-2016-A-121-M	Khalsa College Amritsar
154	Amanpal Singh	L-2012-A-33-BVI	Rallis India Ltd.
155	Annie Kalra	L-2016-BS-04-MBA	Nahar Spinning Mills Ltd.
156	Baljeet	L-2014-HSc-11-BND	Abott Nutrition, Jalandhar
157	Bazilla Gayas	L-2013-AE-110-D	Asstt Professor , SGVU, Jaipur

Sr.No.	Name of the Student	Admission No.	Name of the Organisation
158	Bhanvi		King Export
159	Davinder Singh	L-2014-A-45-D	Jay Pee College, Gurgoan
160	Dayadeep Kaur Grewal		Kamla Nehru College , Phagwara
161	Deep Kamal	L-2014-AE-22-BIV	International Tractors Ltd.
162	Diksha Tinna	L-2016-A-164-M	College of Abohar
163	Gundeep Kaur	L-2012-BS-47-D	Adesh Bhagat College, Moga
164	Gurneet Kaur	(L-2016-BS-274-M)	Online Content Writer, Daily Post, Ldh
165	Hament Thakur	L-2014-A-44-D	Jay Pee College Gurgaon
166	Harjit Singh		SI Punjab Agro
167	Harnain	L-2014-H.Sc.-4-BIV	Human Potential, Sector 35 Chandigarh
168	Harpreet Singh	L-2012-A-03-BVI	Rallis India Ltd.
169	Huma Khan	L-2012-BS-222-M	Guru Harkrishan Girls College
170	Iqbal Kaur	L-2016-A-36-M	Guru Granth Sahib University,
171	Jasdeep	L-2014-HSc-23-BND	Ivy hospital, Nawashehar
172	Jashanpreet Kaur	L-2016-BS-252-M	RIMT University
173	Jasleen Kaur	L-2016-BS-16-MBA	Ralson (India) Ltd.
174	Jyoti Juneja	(L-2016-BS-276-M)	Sat Pal Mittal School,
175	Kamalpreet Singh	L-2013-AE-30-BIV	International Tractors Ltd.
176	Karanvir Luthra	L-2015-BS-259-M	Nestle India
177	Kawalpreet Kaur	L-2015-BS-202-M	Khalsa College, Amritsar
178	Kosna Srikar	L-2016-A-158-M	Trident group
179	Lakhwinder L	2014-Hsc-28-BND	Max Healthcare Bathinda
180	Manpreet Kaur		VST Tillers

Sr.No.	Name of the Student	Admission No.	Name of the Organisation
181	Ms.Jagdish Kaur	L-2012-BS-76-IM	Model High School , Muktsar Sahib
182	Ms.Kritika Dhaiwal	L-2014-BS-273-M	Khalsa College for Girls, Ludhiana
183	Ms.Manpreet Kaur Makkar	L-2014-BS-277-M	Eduscare, Ludhiana
184	Ms.Mukhinderjeet Kaur	L-2012-BS-82-IM	Chandigarh University, Gharuan
185	Ms.Nancy Singla	L-2015-BS-243-M	Sidhu Memorial School, Sunam
186	Ms.Navjot Kaur Sidhu	L-2012-BS-83-IM	Potencia Academy, Bathinda
187	Namita Shukla	L-2014-HSC-125-D	Rajshree Institute of Management
188	Namita Shukla	L-2014-HSC-125-D	Rajshree Institute of Management &Technology, Bareilly, UP
189	Navjyot	L-2014-Hsc-30-BND	Danone nutricia
190	Navleen Kaur	L-2016-BS-25-MBA	Om Careers
191	Pooja		Galaxy Group of Institutions, Haryana
192	Ravneet Kaur	L-2014-A-1-BTFT	Nestle India Pvt. Ltd.
193	Rupinder Kaur Jassal	L-2013-A-6-D	Chandigarh University
194	Rupsi Kansal	L-2015-BS-267-M	Golden Wheat & Allied Mills (P) Ltd
195	Sapna	L-2016-BS-246-M	RS Model School, Ludhiana
196	Satinder Kaur	L-2015-Hsc-337-M	Akal Charitable Hospital, Baru Sahib
197	Sheena Malhotra		King Export
198	Shubham Kumar		VST Tillers
199	Sukhcharanpreet Kaur		Ludhiana Laser
200	Sumedha Sehgal	L-2016-BS-277-M	Lecturer Journalism, KMV, Jalandhar
201	Sumita	L-2015/16-HSc-361-M	SSM College, Dinanagar
202	Sunaina	L-2015-A-94-M	KHALSA COLLEGE, AMRITSAR
203	Suneet Kumar	L-2015-AE-81-BIV	Mahindra & Mahindra

Sr.No.	Name of the Student	Admission No.	Name of the Organisation
204	SushanthKalleem (M.Tech)		Private Sector
205	Upkar Singh	L-2015-AE-83-BIV	Mahindra & Mahindra
206	Vishal Kalia	L-2016-BS-39-MBA	Neva Garments
207	Arvind M	L-2016-A-121-M	Federal Bank
208	Arvind M	L-2016-A-124-M	Federal Bank
209	Asmita Jindal	L-2017-BS-04-MBA	HDFC Bank
210	Chirag Singla	L-2017-BS-06-MBA	HDFC Bank
211	Divya S Kumar	L-2016-A-5-M	Canara Bank, Banga, Distt. SBS Nagar
212	Gurinder Pal Singh	L-2016-A-105-M	Federal Bank
213	Gurinder Pal Singh	L-2016-A-105-M	Federal Bank, Patiala
214	Karan Kalra	L-2016-BS-19-MBA	Axis Bank
215	Lawanhabamut Wahlang	L-2016-BS-227-M	Federal bank
216	Lawanhabamut Wahlang	L-2013-A-15-M	Federal Bank
217	Mehtab Singh	L-2016-A-98-M	FEDERAL BANK
218	Mehtab Singh	L-2016-A-98-M	Federal Bank
219	Rohit Narang	L-2014-AE-202-M	Assistant Manager, BOB, Malout
220	Rydham Uppal	L-2017-BS-26-MBA	HDFC Bank
221	Shubham Gupta	L-2017-BS-32-MBA	HDFC Bank
222	Suresh Babu KL	L-2017-BS-235-M	Bank of India
223	Varinder	L-2016-A-94-M	PNB
224	Venuka Aggarwal	L-2016-BS-38-MBA	HDFC Bank
225	Jaspal Singh	L-2014-A-3-D	Sultanpur Lodhi, Kapurthala
226	Jaspreet Kaur	L-2016-A-7-M	Focalpoint, Fazilka

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227	Jaswinder Kumar	L-2014-A-5-D	Bathinda
228	Lovepreet Ghumman	L-2016-A-8-M	Sri Mukatsar Sahib
229	Mandeep Singh	L-2016-A-9-M	Gurdaspur
230	Manmeet Singh	L-2016-A-10-M	Sri Mukatsar Sahib
231	Manpreet Singh	L-2015-A-1-D	Bathinda
232	Ritika Rani	L-2016-A-7-D	Machhiwara, Ludhiana
233	Shawinder Singh	L-2016-A-18-M	Sri Mukatsar Sahib