Proposal for University Ranking

(State Agricultural Universities)

2019

Submitted to:

ICAR, New Delhi

G. B. Pant University of Agriculture & Technology
Pantnagar - 263145 (Uttarakhand)

कुलसचिव
REGISTRAR

गोविन्द बल्लभ पंत कृषि एवं प्रौद्योगिक विश्वविद्यालय
पंतनगर – 263145, ऊधमसिंह नगर, उत्तराखण्ड (भारत)
Govind Ballabh Pant University of Agriculture & Technology
Pantnagar - 263145, Udham Singh Nagar, Uttarakhand (India)

Undertaking

This is certified that "the information provided in the proforma is correct and responsibility for accuracy and authenticity of the data lies with the University".

Dated: 08.06.2019
Place: Pantnagar

(A.P. Sharma)
Registrar

REGISTRAR
G.B. Pant University of Agri.& Tech.
Pantnagar-263145 (U.S.Nagar)
Uttarakhand. (India)

Phone : (05944) 233640 (O), Fax : 05944-233640/233473, gram : Pantvarsity, Pantnagar,
e-mail : registrar_pantversity@rediffmail.com, website : www.gbpuat.ac.in

Contents

Evaluation Proforma for Ranking of Agricultural University for the year 2018

Brief Profile of the University:

1. Full Name and Address of the University: G. B. Pant University of Agriculture & Technology, Pantnagar 263145, Uttarakhand

2. Contact details of Nodal officer:

Name: **Dr. Shivendra Kumar Kashyap**

E-mail: kashyapsk@gmail.com

Mobile: 7500241487

3. Number of students Passed (out) 2018 :

UG : 310

PG : 245

Ph.D : 195

4. Faculty Position as on 01.01.2018: (including non-accredited and other programmes)

	Sanctioned	In position	% filled
College	445	287	64.5%
Research Centers	65	38	58.5%
AICRP	105	80	76.0%
KVKs	63	46	73.0%
TOTAL	678	451	66.51%

1. **University Budget of financial Year 2018-19**(Received from State and Union government):

i.	**State Government:**	**190.64 crore**
ii.	**Central government:**	**45.41 crore**
iii.	**Private Sector:**	**7.39 crore**
	Total	**243.44 crore**

Proforma

<table>
<tr><th>Sr. No.</th><th>Parameters</th><th>Details</th><th>Score Awarded</th></tr>
<tr><td colspan="4">(A.) TEACHING OUTCOME(IMPACT/QUALITY WEIGHTAGE 40% OR 40 MARKS)</td></tr>
<tr><td>A1.</td><td>Number of Students got ICAR-PG Scholarship (erstwhile JRF) during 2018/Number of UG students passed out (List to be enclosed as Annexure A1</td><td>28/310</td><td></td></tr>
<tr><td>A2.</td><td>Number of Students got admission in Masters programme during 2018through ICAR entrance examination/ Number of UG students passed out (List to be enclosed as Annexure A2)</td><td>37/310</td><td></td></tr>
<tr><td>A3.</td><td>Students performance at M.Sc. level(List to be enclosed as Annexure A3)</td><td>19/245</td><td></td></tr>
<tr><td>A4.</td><td>Students performance at M.Sc. level (List to be enclosed as Annexure A4)</td><td>37/245</td><td></td></tr>
<tr><td>A5.</td><td>ICAR Jawaharlal Nehru Award for Ph.D. thesis in 2018 (List to be enclosed as Annexure A5)</td><td>-</td><td></td></tr>
<tr><td>A6.</td><td>Percentage of ARS selections in the disciplines offered by University against available seats advertised by ASRB during 2018 (List to be enclosed as Annexure A6)</td><td>9/175 (5.14%)</td><td></td></tr>
<tr><td>A7.</td><td>Percentage of students qualified NET exam in the disciplines of Agriculture and Allied Sciences (List to be enclosed as Annexure A7)</td><td>98/440 (22.27%)</td><td></td></tr>
<tr><td>A8.</td><td>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) (List to be enclosed as Annexure A8)</td><td>See table below</td><td></td></tr>
<tr><td></td><td colspan="2">
<table>
<tr><th>Sr. No.</th><th>Particulars</th><th>Sanctioned</th><th>In position</th><th>% of filled faculty positions</th></tr>
<tr><td>1.</td><td>Colleges</td><td>445</td><td>287</td><td>64.49</td></tr>
<tr><td>2.</td><td>Research Centres</td><td>65</td><td>38</td><td>58.46</td></tr>
<tr><td>3.</td><td>AICRP</td><td>105</td><td>80</td><td>76.19</td></tr>
<tr><td>4.</td><td>KVKs</td><td>63</td><td>42</td><td>66.66</td></tr>
<tr><td></td><td>Total</td><td>678</td><td>447</td><td>65.92</td></tr>
</table>
</td><td></td></tr>
<tr><td>A9.</td><td>Number of students admitted from overseas for Ph.D. during 2018 ((List to be enclosed as Annexure A9)</td><td>01</td><td></td></tr>
<tr><td>A10.</td><td>National and International awards (such as those conferred by the National Organization like the ICAR, CSIR, DBT, DST, government of India, international Bodies of repute like FAO, UN, CG, Centres and Recognized National Sciences/Engineering academies) (earned by Faculty) in 2018(List with only top 10 awards to be enclosed as Annexure A10)</td><td>05</td><td></td></tr>
<tr><td>A11.</td><td>Best Institutions/University Awarded by ICAR in any field2018 (Proof to be enclosed as Annexure A11)</td><td>Best Centre award of ICAR-AICRP in Sorghum for the performance in year 2018</td><td></td></tr>
</table>

A12.	**Award in All India Youth Festival or All India Agri. University Sports Meet in 2018**(Proof to be enclosed as Annexure A12)	**04 See table below**	

Sr.No.	Event	Category	Position
1.	Agri-Unifest 2018-19	Debate	Third
2.	NAAS National Elocution, Zone- V Date : 18-8-2018	Zonal Elocution	First
3.	National Inter-University Debate Competition, National Youth Festival, 13-14 January, 2018	English Debate	First
4.	National Inter-University Debate Competition, National Youth Festival, 13-14 January, 2018	Hindi Debate	Second

A13.	**Fellowship or Associateship of National Science Academies(NAAS,INSA,NAS,NAMS,INAE achieved during 2018)** (List not more than 5 to be enclosed as Annexure A13)	**01**	
A14.	**Percentage of Faculty with Ph.D. degree obtained from university from outside of the state where employed** (List along with proof to be enclosed as Annexure A14)	**148/326 (45.39%)**	
A15.	**% faculty from the state other than the state in which university situated**(List along with proof to be enclosed as Annexure A15)	**129/326 (39.57%)**	
A16.	**Percentage of faculty with 3 months or more of Postdoctoral/Visiting scientist experiences abroad in 2018**	**-**	
A17.	**Average footfall in library**	**6.30% students/faculty visit Central library daily**	
A18.	**CERA utilization in 2018**	**37163 hits**	
A19.	**Accreditations on 01.01.2018 (by ICAR)**(copy of accreditation letter /certificate to be enclosed as Annexure A19)	**Accreditation granted to all 7 colleges till March 27, 2021.**	
A20.	**Implementation of recommendation of Fifth Deans, Committee/BSMA committees.** (copy of proceedings of Academic Council/Board/ of Management, in which decision of implementation was taken, to be enclosed as Annexure A20)	**Fully implemented**	
(B) RESEARCH (WEIGHTAGE 30% or 30 MARKS)			
B1.	**Research Product– (No. of research articles including review articles per faculty member having NAAS rating of over 6.0 in 2018)** (List of papers along with NAAS rating 2019 to be enclosed as Annexure B1). **Listing of publications below NAAS rating of 6.0 should not be done.**	**165/326**	
B2.	**Research Impact (No. of faculty with h-index as 10 or above)**	**69/326**	
B3.	**Research Excellence**		
	(i) **Patents granted during 2018** (Only patents granted along with proof to be listed as Annexure B3(i))	**02**	

(ii) **Varieties released** (varieties released by the centre/State Government and notified in Gazette to be listed (Copy of gazette notification to be enclosed as AnnexureB3(ii)

a) Crop varieties released:

Sr.No.	Name of Crop	Variety	Year	Released from Centre (C)/State(S)/Notified
1.	Wheat	UP 2855	2018	SVRC/Notified
2.	Wheat	UP 2844	2018	SVRC/Notified
3.	Wheat	UP 2865	2018	SVRC/Notified
4.	Rice	Pant Dhan 22	2018	SVRC
5.	Rice	Pant Dhan 28	2018	SVRC
6.	Field Pea	Pant P 243	2018	CVRC
7.	Field Pea	Pant P 250	2018	CVRC
8.	Field Pea	Pant P-195	2018	SVRC
9.	Field Pea	Pant P-200	2018	SVRC
10	Field Pea	Pant Sabji Matar-6	2018	SVRC
11.	Yellow Sarson	Pant Girja	2018	SVRC
12.	Moong	MU-09-11	2018	SVRC
13.	Urd	PU-10	2018	CVRC
14.	Urd	PU-10-16	2018	SVRC
15.	Urd	PU-11-14	2018	SVRC
16.	Urd	PU-11-25	2018	SVRC
17.	Arhar	PA-406	2018	SVRC
18.	Arhar	PA-414	2018	SVRC
19.	Gram	Pant G-119	2018	SVRC
20.	Lentil	Pant L-141	2018	SVRC
21.	Lentil	Pant L-164	2018	SVRC
22.	Chari	Pant Chari-9	2018	SVRC
23.	Chari	Pant Chari-10	2018	SVRC
24	Chari	Pant Chari-11	2018	SVRC

b) Animal breed released:

Uttara breed of chicken with accession no. INDIA_CHICKEN_2400_UTTARA_12019

a) 24 (crop varieties)
b) 01 (animal breed)
See table

<table>
<tr><td></td><td>OR
Breeds/technologies/vaccines developed/ new strains of bacteria/virus/parasite identified
(Appropriate proof for development and adoption of technology to
be enclosed as Annexure B3(ii)
OR
New farm machinery & tools developed during the year 2018 (Appropriate proof for development and adoption of machinery &tools to be enclosed as Annexure B3(ii)</td><td></td><td></td></tr>
<tr><td></td><td>(iii) Funds received through external competitive grants (excluding ICAR development and KVK and AICRP) (Total amount)</td><td>Rs 777.62 lakh (Budget Received for 2018-19)</td><td></td></tr>
<tr><td></td><td>(iv) If PME cell Established and functional</td><td>Yes</td><td></td></tr>
<tr><td colspan="4">(C). EXTENSION AND OUTREACH (WEIGHTAGE 30% OR 30 MARKS)</td></tr>
<tr><td>C1.</td><td>KVK Awards during 2018
(Attach Proof to be enclosed as Annexure C1)</td><td></td><td></td></tr>
<tr><td></td><td>Zonal Award</td><td>02</td><td></td></tr>
<tr><td></td><td>National Award</td><td>01</td><td></td></tr>
<tr><td>C2.</td><td>Extension workers Award at State/ National Level (by Government Agency) during 2018. (Proofs to be enclosed as Annexure C2)</td><td></td><td></td></tr>
<tr><td></td><td>State level Awards</td><td>03</td><td></td></tr>
<tr><td></td><td>National level awards</td><td>01</td><td></td></tr>
<tr><td>C3.</td><td>Quality input supplied by University (Seed, Semen, Planting material etc. during 2018)</td><td>6652.25q
See table below</td><td></td></tr>
<tr><td></td><td>Breeder seed production in year 2018 at Seed Production Centre, Pantnagar :
<table>
<tr><th>Sr.No.</th><th>Crops</th><th>Production (q)</th></tr>
<tr><td>1)</td><td>CEREAL CROPS</td><td></td></tr>
<tr><td>a)</td><td>Paddy</td><td>723.93</td></tr>
<tr><td>b)</td><td>Maize</td><td>5.00</td></tr>
<tr><td>c)</td><td>Wheat</td><td>5260.00</td></tr>
<tr><td>2)</td><td>PULSE CROPS</td><td></td></tr>
<tr><td>a)</td><td>Gram</td><td>167.00</td></tr>
<tr><td>b)</td><td>Pea</td><td>118.50</td></tr>
<tr><td>c)</td><td>Lentil</td><td>149.00</td></tr>
<tr><td>d)</td><td>Arhar</td><td>47.00</td></tr>
<tr><td>e)</td><td>Moong</td><td>15.48</td></tr>
<tr><td>f)</td><td>Urd</td><td>166.34</td></tr>
<tr><td></td><td>Grand Total</td><td>6652.25</td></tr>
</table></td><td></td><td></td></tr>
<tr><td>C4.</td><td>If one lakh soil samples are analyzed per year</td><td>-</td><td></td></tr>
<tr><td>C5.</td><td>Revenue generated through consultancies, certification, testing, tuition fee, and licensing, training, sale of inputs and commercialization of technologies during FY 2018-19. The details of revenue, head (item wise), duly certified and signed by the comptroller of the university need to be listed as Annexure C5. The list should exclude the items listed in B3 (iii).</td><td>Rs. 50.56 crore
See table below</td><td></td></tr>
</table>

Sr. No.	Total revenue generated	Total budget of university	Percentage
	50.56 crore	243.44 crores	20.76

Sr. No.	Revenue generated*	Amount in lakhs
1.	Consultancies	700.00
2.	Certification	0.67
3.	Testing	0.98
4.	Tuition fee	698.00
5.	Licensing	-
6.	Training	3.61
7.	Sale of inputs	12.34
8.	Commercialization of technologies	14.16
9.	Seed and Planting material etc.	3627.11
	Grand Total	**5056.87**

C6.	**Number of inter-institutional collaborative projects obtained during 2018**(Proof to be enclosed as Annexure C6)	**06**	
C7.	**Partnership with Private Sector made during 2018**(Proof to be enclosed as Annexure C7**)**	**55 projects**	
C8.	**Exchange of Faculty (Sabbatical, Visiting Scientist, Adjunct Faculty) during 2018** (Proof to be enclosed as Annexure C8**)**(Guest lecturers no to be included)		
	Faculty coming from outside University	**02**	
	Faculty of University going to other University	**01**	
C9.	**No. of enterprises/ startups promoted by the University (List to be provided as Annexure C9)**	**11**	
C10.	**Percentage of students employed in public/private/banking sectors (List to be provided as Annexure C10)**	**170/750 (22.66%)**	

Annexure A.1

List of the student got ICAR-PG Scholarship in 2018	
Sr. No.	**Name of the student**
1.	Aditi Dobhal, B.Sc. Ag.
2.	Aditi Sinha, B.Sc. Ag.
3.	Aruna Kuniyal, B.V.Sc.
4.	Bhagirathi Talwar, B.V.Sc.
5.	Deepika Sharma, B.Sc. Ag.
6.	Himanshu Prasad, B.Sc. Ag.
7.	Lata Kant, B.V.Sc.
8.	Manisha Kapri, B.Sc. Ag.
9.	Navpreet Kaur, BSc. Food Technology
10.	Neha Joshi, B.Sc. Ag.
11.	Nidhi Sukhija, B.V.Sc.
12.	Nisha Arya, B.Sc. Home Science
13.	Parul Gupta, B.Sc. Ag.
14.	Pooja Nain, B.Sc. Ag.
15.	Pradeep Chandra, B.V.Sc.
16.	Pragati, B.F.Sc.
17.	Priyanka Rana, B.Sc. Ag.
18.	Priya Rawat, B.Sc. Ag.
19.	Samiksha Bisht, BSc. Food Technology
20.	Saurabh Tiwari, B.V.Sc.
21.	Sheetal Gupta, B.Sc. Ag.
22.	Shreya Sangwan, B.Sc. Home Science
23.	Shreya Panwar, BSc. Food Technology
24.	Smriti Chand, B.V.Sc.
25.	Sony Bohra, B.Sc. Ag.
26.	Suraj Goud, B.Sc. Ag.
27.	Sushmita Nautiyal, B.V.Sc.
28.	Tushar Rawat, B.V.Sc.

Annexure A.2

List of the students got admission in Master program in 2018	
Sl. No.	**Name of the student**
1.	Aditi Dobhal, B.Sc. Ag.
2. .	Aditi Sinha, B.Sc. Ag.
3.	Aruna Kuniyal, B.V.Sc.
4.	Bhagirathi Talwar, B.V.Sc.
5.	Deepika Sharma, B.Sc. Ag.
6.	Diwakar Singh Rana, B.V.Sc.
7.	Kriti Singh, B.V.Sc.
8.	Kriti Semwal, B.Sc. Ag.
9.	Lata Kant, B.V.Sc.
10.	Mayank Pratap, B.Sc. Ag.
11.	Navpreet Kaur, BSc. Food Technology
12.	Neha Arya, B.V.Sc.
13.	Nidhi Sukhija, B.V.Sc.
14.	Nisha Arya, B.Sc. Home Science
15.	Nisha Chufal, B.F.Sc.
16.	Pankaj Singh Bisht, B.Sc. Home Science
17.	Parul Gupta, B.Sc. Ag.
18.	Pooja Nain, B.Sc. Ag.
19.	Pradeep Chandra, B.V.Sc.
20.	Pragati, B.F.Sc.
21.	Priyanka Rana, B.Sc. Ag.
22.	Priya Rawat, B.Sc. Ag.
23.	Rajan Singh, B.Sc. Ag.
24.	Rimjhim Khanduri, B.V.Sc.
25.	Rishika Negi, B.Sc. Home Science
26.	Samiksha Bisht, BSc. Food Technology
27.	Sandeep Jugran, B.V.Sc.
28.	Saurabh Tiwari, B.V.Sc.
29.	Sheetal Gupta, B.Sc. Ag.
30.	Shreya Panwar, BSc. Food Technology
31.	Shreya Sangwan, B.Sc. Home Science
32.	Smriti Chand, B.V.Sc.
33.	Sony Bohra, B.Sc. Ag.
34.	Suraj Gond, B.Sc. Ag.
35.	Sushmita Nautiyal, B.V.Sc.
36.	Tushar Rawat, B.V.Sc.
37.	Vijendra Jagrat, B.Sc. Ag.

Annexure A.3

List of the student got ICAR-SRF Scholarship in 2018	
Sr. No.	**Name of the student**
1.	Anubha Prashant Pathak
2.	Anwesha Mandal
3.	Ashima Muyal
4.	Babita Adhikari
5.	Divija S.D.
6.	Geetha
7.	Giridhar
8.	Himani Sharma
9.	Jawed ur Rahman
10.	Kumar Gaurav
11.	Manish Kumar Pandey
12.	MeghaVerma
13.	Prithviraj Dey
14.	Reena Prusty
15.	Sanjeev Kumar Sahoo
16.	Shivani Kothiyal
17.	Shweta Pokhriyal
18.	Suryakanta Kashyap
19.	Wasi Ilyas

Annexure A.4

List of the students got admission in Ph.D. in 2018 through ICAR entrance			
Sl. No.	**Name of the student**		
1.	Amandip Kaur		
2.	Anish Tamang		
3.	Annayasa Modak		
4.	Anwesha Mandal		
5.	Ashima Muyal		
6.	B.J. Giridhar		
7.	Babita Adhikari		
8.	Bandana Kumari Sahu		
9.	Bhawari Shraddha Uttam		
10.	Damyanti Prajapati		
11.	Divija S.D.		
12.	Geetha R.S.		
13.	Himani Sharma		
14.	Jawed ur Rahman		
15.	Jitendra Kumar Mohanty		
16.	Kumar Gaurav		
17.	Manish Kumar Pandey		
18.	Manjari		
19.	Meenu		
20.	MeghaVerma		
21.	Neha Pandey		
22.	Payal Sanjayrao Mate		
23.	Pingale Amol Sahebrao		
24.	Prem Sagar Nishad		
25.	Prithviraj Dey		
26.	Priyanka Kumari		
27.	Reena Prusty		
28.	Saipayan Ghosh		
29.	Sanjeev Kumar Sahoo		
30.	Shila Neel		
31.	Shivani Kothiyal		
32.	Shweta Pokhriyal		
33.	Sikha Snehal		
34.	Sudarshan Mishra		
35.	Suryakanta Kashyap		
36.	Wasi Ilyas		
37.	Yashwant Kumar		

Annexure A.6

List of the student got ARS selections		
Sr. No.	**Name of the student**	**ARS Discipline**
1.	Mr.Vikas Mangal	Genetics and Plant Breeding
2.	Mr. Kumar Nishant Chourasia	Genetics and Plant Breeding
3.	Mr. Naveen C. Gahtyari	Genetics and Plant Breeding
4.	Mr Jitendra Kumar Meena	Genetics and Plant Breeding
5.	Mr. Subhash Chandra	Genetics and Plant Breeding
6.	Mr.Devendra Kumar	Genetics and Plant Breeding
7.	Ms. Priyanka Khati	Agricultural Microbiology
8.	Mr. Govind Kumar	Agricultural Microbiology
9.	Mr. Neeraj Kumar	Farm Machinery and Power Engineering

Annexure A.7

List of the student qualified NET		
Sr. No.	**Name of the student**	**Discipline**
1.	Ardeep	Agronomy
2.	SwetaShiktaMahapatra	Agronomy
3.	Anita Arya	Agronomy
4.	BavajigudiShobhaRathod	Agronomy
5.	Anil Kapoor	Agronomy
6.	Bolta Ram Meena	Agronomy
7.	Arvind Kumar	Agronomy
8.	DebaratiDatta	Agronomy
9.	Sirazuddin	Agronomy
10.	Rashmi Sharma	Agronomy
11.	Shivendra Singh	Agronomy
12.	SubhashisaPraharaj	Agronomy
13.	Reena	Agronomy
14.	Deepak Pandey	Agronomy
15.	Samartha	Agronomy
16.	Gangadhar Nanda	Agronomy
17.	Pradeep Ram	Agronomy
18.	DharmendraMeena	Agronomy
19.	T.C. Singh	Agronomy
20.	Avikal Kumar	Agronomy
21.	HimanshuVerma	Agronomy
22.	PrayasiNayak	Agronomy
23.	Rajveer Singh	Agronomy
24.	PrithiwirajDey	Agronomy
25.	Debashish Das	Agril Extension & Communication
26.	Dipti Kothari	Agril Extension & Communication
27.	Girijesh Singh Mahra	Agril Extension & Communication
28.	Pragya Goswami	Agril Extension & Communication
29.	Gayatri Pipaliya	Agril Extension & Communication
30.	Anmol Panda	Agril Extension & Communication
31.	Tannistha Bardhan	Agril Extension & Communication
32.	Reena Prusty	Fruit science
33.	Sheetal Rawat	Fruit science
34.	Mansi Dharmwal	Fruit science
35.	Mahadev Mishra	Fruit science
36.	Pooja Devi	Fruit science
37.	Shikha	Fruit science
38.	Rajat Sharma	Fruit science
39.	Pusphendra Singh	Fruit science
40.	RajkumarJatt	Fruit science
41.	Akkala Reddy Sumanlatha	Floriculture
42.	AnamikaSajwan	Floriculture
43.	Nisha	Floriculture
44.	Ashish Kumar	Floriculture
45.	Anand Singh Rawat	Floriculture

46.	AlkaArya	Soil Science
47.	G.S.Tewari	Soil Science
48.	Saroj Kr. Yadav	Soil Science
49.	Delna Rose	Plant Pathology
50.	Karibasappa C.S.	Plant Pathology
51.	PoojaUpadhyay	Plant Pathology
52.	SadhnaChauhan	Plant Pathology
53.	Varunesh Kumar	Plant Pathology
54.	PrarthanaJagoori	Plant Pathology
55.	Bhagyashree Bhatt	Plant Pathology
56.	B.K. Namriboi	Plant Pathology
57.	SanghmitraAditya	Plant Pathology
58.	M.S. Sai Reddy	Entomology
59.	Ajay Kumar K.M.	Entomology
60.	JyotiRaina	Entomology
61.	KiranNegi	Entomology
62.	Rakesh Kumar	Entomology
63.	Swoyam Singh	Entomology
64.	Chenesh Patel	Entomology
65.	Gourav Kumar	Entomology
66.	AvinashUdikeri	Entomology
67.	NisthaRawat	Entomology
68.	Jai Hind Sharma	Entomology
69.	Samraj J.M.	Entomology
70.	BhabaniMahakunda	Entomology
71.	Babita Bhatt	Entomology
72.	KiranBala	Entomology
73.	SapnaTiwari	Entomology
74.	DivyaRawat	Entomology
75.	ShilpiRathore	Entomology
76.	Alok Singh	Vety Medicine
77.	Wani Ilyas	Vety Medicine
78.	Neeraj Thakur	Vety Medicine
79.	Anand Kumar Singh	Vety Medicine
80.	SuchitraBhujel	Vety Medicine
81.	NitishBisht	Vety Medicine
82.	VidhiKunwar	Vety Medicine
83.	RadhikaVaidya	Vety Medicine
84.	RenuKumari	Animal Nutrition
85.	Arun Kumar	Veterinary Surgery & Radiology
86.	MeghaVerma	Veterinary Physiology
87.	Chirag Singh	Livestock Products Technology
88.	Alok Singh	Veterinary Medicine
89.	WaniIlyas	Veterinary Medicine
90.	Neeraj Thakur	Veterinary Medicine
91.	Anand Kumar Singh	Veterinary Medicine
92.	SuchitraBhujel	Veterinary Medicine
93.	NitishBisht	Veterinary Medicine
94.	Vidhi Kunwar	Veterinary Medicine

95.	RadhikaVaidya	Veterinary Medicine
96.	AakanshaTiwari	Veterinary Microbiology
97.	Anubha PrashantPathak	Veterinary Public Health and Epidemiology
98.	Pooja Singh	Veterinary Public Health and Epidemiology

Annexure A.8

Faculty Position as on 01.01.2018 ---

(including non-accredited and all other programmes)

	Sanctioned	In position	% of filled
Colleges	445	287	64.49
Research Centers	65	38	58.46
AICRP	105	80	76.19
KVKs	63	42	66.66
Total	678	447	65.92

Annexure A.9

Number of students admitted from overseas for Ph.D. during 2018

S.No.	Name	Department
1.	Thi Thi Myint (Myanmar)	Plant Pathology

Annexure A.10

Award earned by faculty members :

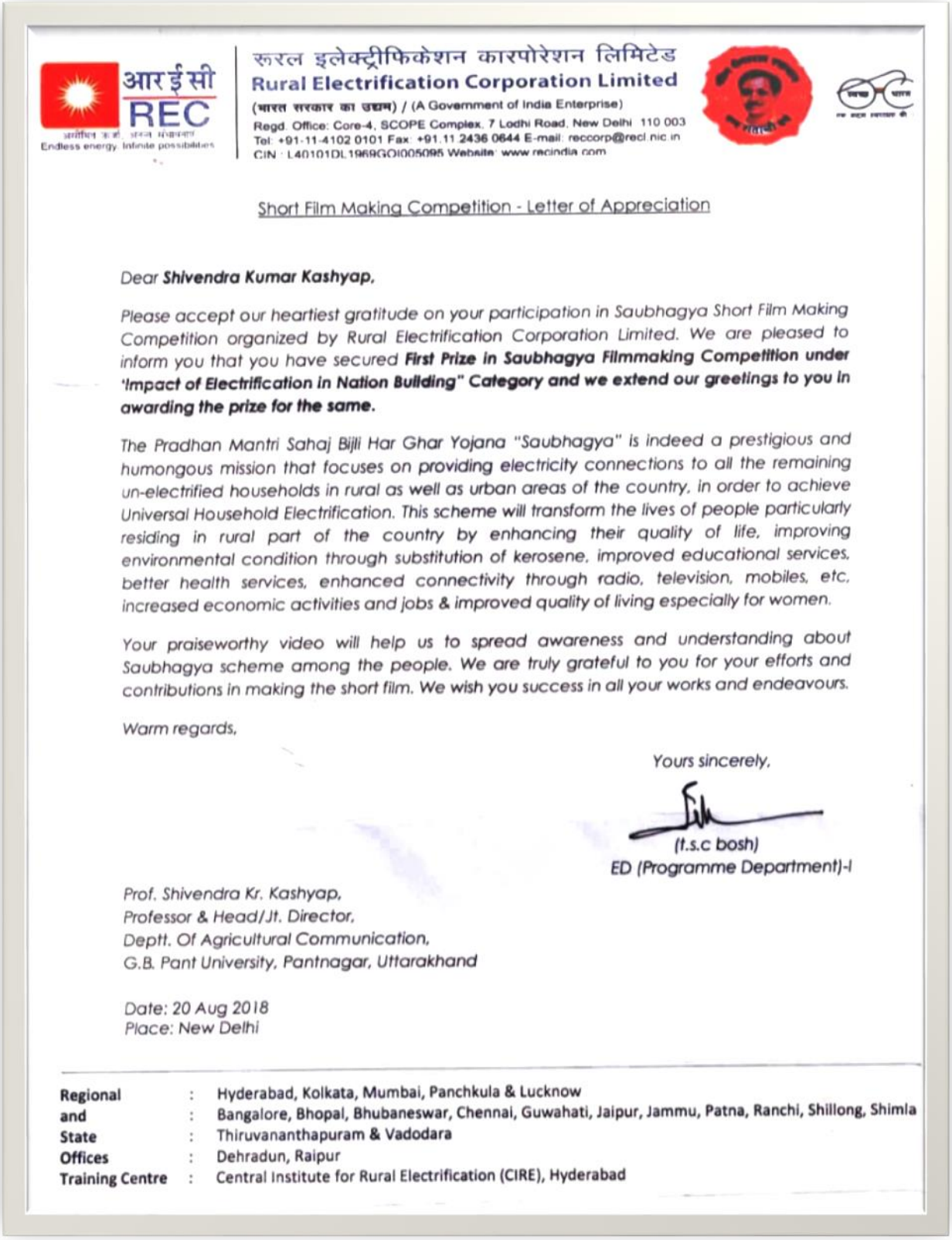
National (ICAR/CSIR/DBT/DST/GoI)			
Sr. No.	**Name**	**Award**	**Award Conferred by Agency**
1.	Dr Shive Kumar, Dr D. Kumar, Dr RK Sharma and Dr Anil Kumar, College of Veterinary and Animal Sciences, Pantnagar	Award for Uttara chicken breed development to GBPUA&T, Pantnagar, Uttarakhand **Photo-1**	ICAR. Award Function held in Krishi bhawan New Delhi on 12/12/2018 Conferred by Union Agriculture Minister Shri Radha Mohan Singh.
2.	Dr AK Mishra, VC and Dr Anil Kumar, Professor & Head, Department of Molecular Biology and Genetic Engineering, Pantnagar	Krishi Shiksha Samman 2018 **Photo-2**	Mahindra Samriddhi Agri-Awards 2018 Conferred by Union Agriculture Minister Shri Radha Mohan Singh.
3.	Dr AK Mishra, Vice-Chancellor	Governor's Best University Award 2018 **Photo-3**	Government of Uttarakhand Conferred by CM Sri Trivendra Singh Rawat
4.	Dr S. K. Kashyap, Professor & Head, Department of Agricultural Communication, Pantnagar	National Award, Pradhan Mantri Sahaj Bijli Har Ghar Yojana national video campaign **Photo-4**	Rural Electrification Corporation, Government of India
5.	Dr K.P. Singh, Professor, Plant Pathology	Scroll of Honour on 15th Feb, 2018. **Photo-5**	Indian Phyto-pathological Society, IARI, New Delhi

Photo-1: Award for new breed Uttara Fowl

Photo-2 : Krishi Shiksha samman 2018 by Mahindra Samriddhi

Photo-3 : Governor's Best University Award 2018

Photo-4 : National Award of Rs. One Lakh, citation and memento by REC, Govt of India on 20th August, 2018.



आरईसी REC
Endless energy. Infinite possibilities

रूरल इलेक्ट्रीफिकेशन कारपोरेशन लिमिटेड
Rural Electrification Corporation Limited
(भारत सरकार का उद्यम) / (A Government of India Enterprise)
Regd. Office: Core-4, SCOPE Complex, 7 Lodhi Road, New Delhi 110 003
Tel: +91-11-4102 0101 Fax: +91.11 2436 0644 E-mail: reccorp@recl.nic.in
CIN : L40101DL1969GOI005095 Website: www.recindia.com

Short Film Making Competition - Letter of Appreciation

Dear ***Shivendra Kumar Kashyap,***

Please accept our heartiest gratitude on your participation in Saubhagya Short Film Making Competition organized by Rural Electrification Corporation Limited. We are pleased to inform you that you have secured ***First Prize in Saubhagya Filmmaking Competition under 'Impact of Electrification in Nation Building" Category and we extend our greetings to you in awarding the prize for the same.***

The Pradhan Mantri Sahaj Bijli Har Ghar Yojana "Saubhagya" is indeed a prestigious and humongous mission that focuses on providing electricity connections to all the remaining un-electrified households in rural as well as urban areas of the country, in order to achieve Universal Household Electrification. This scheme will transform the lives of people particularly residing in rural part of the country by enhancing their quality of life, improving environmental condition through substitution of kerosene, improved educational services, better health services, enhanced connectivity through radio, television, mobiles, etc, increased economic activities and jobs & improved quality of living especially for women.

Your praiseworthy video will help us to spread awareness and understanding about Saubhagya scheme among the people. We are truly grateful to you for your efforts and contributions in making the short film. We wish you success in all your works and endeavours.

Warm regards,

Yours sincerely,

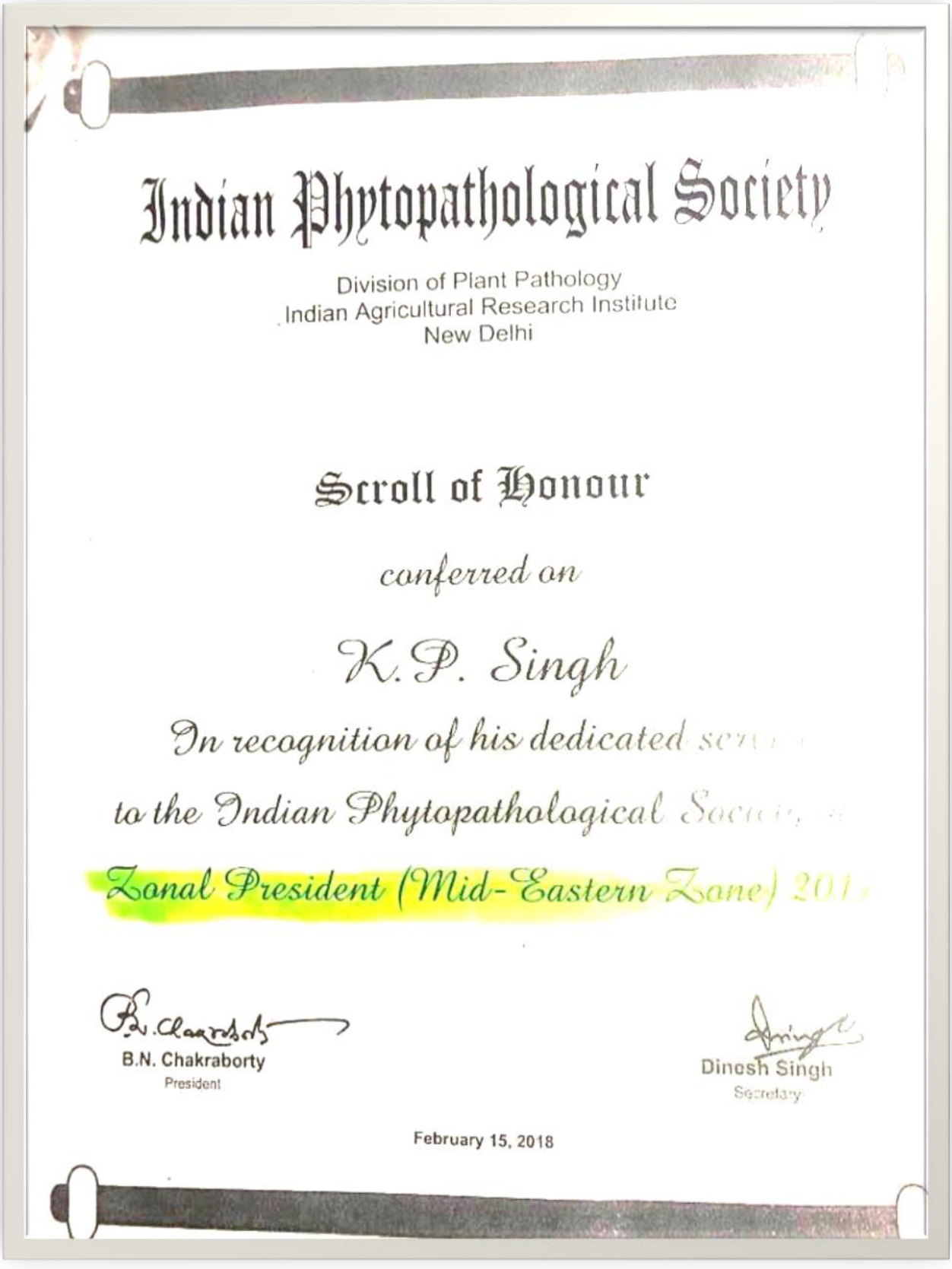
(t.s.c bosh)
ED (Programme Department)-I

Prof. Shivendra Kr. Kashyap,
Professor & Head/Jt. Director,
Deptt. Of Agricultural Communication,
G.B. Pant University, Pantnagar, Uttarakhand

Date: 20 Aug 2018
Place: New Delhi

Regional	:	Hyderabad, Kolkata, Mumbai, Panchkula & Lucknow
and	:	Bangalore, Bhopal, Bhubaneswar, Chennai, Guwahati, Jaipur, Jammu, Patna, Ranchi, Shillong, Shimla
State	:	Thiruvananthapuram & Vadodara
Offices	:	Dehradun, Raipur
Training Centre	:	Central Institute for Rural Electrification (CIRE), Hyderabad

Photo-5 : Scroll of Honour conferred by Indian Phytopathological Society, IARI, New Delhi



Indian Phytopathological Society

Division of Plant Pathology
Indian Agricultural Research Institute
New Delhi

Scroll of Honour

conferred on

K. P. Singh

In recognition of his dedicated ser

to the Indian Phytopathological Socie

Zonal President (Mid-Eastern Zone) 201

B.N. Chakraborty
President

Dinesh Singh
Secretary

February 15, 2018

Annexure A.11

Best Institutions/University awarded by ICAR in any field 2018

Sr. No.	Name	Award	Award conferred by agency
1.	GB Pant University of Agriculture and Technology, Pantnagar	Best Centre award of ICAR-AICRP in sorghum for the performance in year 2018 **Pic-6**	ICAR

Pic 6: Best Centre Award of ICAR-AICRP in Sorghum for year 2018

Annexure A.12

Award in All India Youth Festival or All India Agri. University Sports Meet in 2018

Event	Student	Position
Agri-Unifest 2018-19	Shruti Mishra	3rd Position in debate competition **(Photo-7)**
NAAS National Elocution, Zone- V Date : 18-8-2018	Girjesh Mahra	First place **(Photo-8)**
National Inter-University Debate Competition, National Youth Festival, 13-14 January, 2018	Ankit Mahapatra	First Place in English debate **(Photo-9)**
National Inter-University Debate Competition, National Youth Festival, 13-14 January, 2018	Mayank Tiwari	Second place in hindi debate **(Photo-10)**

Photo-7 : Third place in Agri Unifest debate 2018-19

Agri Unifest 2018-19

19th All India Inter Agricultural Universities Youth Festival

Jointly Oraganized by

Sardarkrushinagar Dantiwada Agricultural University, Saradarkrushinagar, Government of Gujarat

and

Indian Council of Agricultural Research, New Delhi

CERTIFICATE OF MERIT

This is to certify that

SHRUTI MISHRA

representing

GBPUAT, PANTNAGAR, U.K.

was adjudged Third in Debate (Favour) event of the

19th All India Inter Agricultural Universities Youth Festival

organized during February 3-7, 2019 at

Sardarkrushinagar Dantiwada Agricultural University,

Sardarkrushinagar, Gujarat

Dr. V. R. Patel
Organizing Secretary &
Director of Students' Welfare
SDAU, Sardarkrushinagar, Gujarat

Prof.(Dr.) Ashok A. Patel
Vice Chancellor
SDAU, Sardarkrushinagar, Gujarat

Photo-8 : First place in NAAS elocution Zonal level, Zone V

ZONAL ELOCUTION CONTEST OF NAAS

Awarded to

Mr. Grijesh Mahra

G.B. Pant University of Agri. & Tech, Pantnagar

For Securing first position in the ZONAL ELOCUTION CONTEST OF NAAS, New Delhi held at G.B Pant University of Agriculture & Technology, Pantnagar on 18 Agust, 2018.

Dr. Shivendra Kumar Kashyap
Head/ Jt. Director Communication
G.B.P.U.A.&T. Pantnagar

Dr. D.S. Pandey
Acting Dean
College of Agriculture
G.B.P.U.A.&T., Pantnagar

Dr. V.V. Sadamate
Former Member Planning Commission
Government of India

Photo-9 : First place in National Inter University debate 2018

G.B. PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY
PANTNAGAR, UTTARAKHAND

Inter-University National Debate Competition
on
Is Present Youth Policy of India Efficient in Reaping the Demographic Dividend ?

Certificate of Appreciation

This is to certify that

Mr./Ms. Ankit Mahapatra
of G.B. Pant University of Agriculture & Technology, Pantnagar
participated in Inter-University National Debate Competition held on 14th-15th January, 2018 at G.B. Pant University of Agriculture & Technology, Pantnagar and been adjudged as the WINNER in ENGLISH Debate of 2018.

Dean
College of Agriculture

Organising Secretary
Yuva 2018

Photo-10 : Second place in National Inter University debate 2018

G.B. PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY
PANTNAGAR, UTTARAKHAND

Inter-University National Debate Competition
on
Is Present Youth Policy of India Efficient in Reaping the Demographic Dividend ?

Certificate of Appreciation

This is to certify that

Mr./Ms. Mayank Tiwari
of G.B. Pant University of Agriculture & Technology, Pantnagar
participated in **Inter-University National Debate Competition** held on 14th-15th January, 2018 at **G.B. Pant University of Agriculture & Technology, Pantnagar** and been adjudged as **Runner up** in **HINDI** Debate of 2018.

Dean
College of Agriculture

Organising Secretary
Yuva 2018

Annexure A.13

Fellowship or Associateship of National Science Academies conferred in 2018:

Sr. No.	Name	Fellowship / Associateship	Agency
1.	Dr.Ranjan Srivastava	Fellow	Indian Society of Ornamental Horticulture

INDIAN SOCIETY OF ORNAMENTAL HORTICULTURE (ISOH)

(Registered under the Society Registration Act XXI of 1860 Vide No. S/26153 of 1994, RNI No. 68936/98)

Division of Floriculture and Landscaping
ICAR-Indian Agricultural Research Institute, New Delhi-110012

Confers

ISOH Fellowship – 2017

on

Dr. Ranjan Srivastava, GBPAU & T, Pantnagar

for his significant contribution and commitment in research and development of Ornamental Horticulture in the country.

(H.P. Singh)
Chairman

(S.K. Malhotra)
President

January 11-13, 2019
Udaipur, Rajasthan

Annexure A.14

List of Faculty with Ph.D. degree from other University:

S. N.	Name	Highest qualification	Ph. D. from which University
1.	Dr. Manoj Raghav	Ph.D.	NDAUT, Faizabad
2.	Dr. Dinesh K Singh	Ph.D.	NDAUT, Faizabad
3.	Dr. Alka Goel	Ph.D.	U.P. Textile Institute, Kanpur, U.P.
4.	Dr. Shahnaz Jahan	Ph.D.	Bhim Rao Ambedkar Univ. , Agra, U.P.
5.	Dr. Manisha Gahlot	Ph.D.	Banasthali Vidyapeeth, Rajasthan
6.	Dr. Anita Rani	Ph.D.	P.A.U., Ludhiana, Punjab
7.	Amit Kesarwani	Ph.D.	NationalChungHsingUniversity , Taichung, Taiwan (R.O.C.)
8.	Dr. J.P.Singh	Ph.D.	BAU, Ranchi
9.	Dr. Dhirendra K Singh	Ph.D.	NDAUT, Faizabad
10.	Dr.H.P.Gupta Prof.,VGO	Ph.D.	IVRI, Bareilly
11.	Dr. Ishwar Singh Prof., VAN	Ph.D.	CCSHAU, Hissar
12.	Dr.R.K. Srivastava	Ph.D.	I.I.T. Delhi
13.	Dr. S. K. Kashyap	Ph.D.	CSJMKanpurUniversity
14.	Dr. B.Kumar	Ph.D.	B.R.AmbedkarUniversity, Agra
15.	Dr. N. Bhardwaj	Ph.D.	B.R.AmbedkarUniversity, Agra
16.	Dr. G. Sharma	Ph.D.	B.R.AmbedkarUniversity, Agra
17.	Dr. V.L.V Kameswari	Ph.D.	M.L. C. RastriyaPatrakaritaSansthan, Bhopal
18.	Dr. H. N. Singh	Ph.D.	NarendraDevaUniversity of Agriculture and Technology , Faizabad, Uttar Pradesh
19.	Dr. Chandra Dev	Ph.D.	AgraUniversity. Uttar Pradesh
20.	Dr. Ajay Kumar Tripathi	Ph.D.	NarendraDevaUniversity of Agriculture and Technology , Faizabad, UP
21.	Dr. A.S. Nain	Ph.D.	Jointly by SAC Ahmedabad + CCSAU, Meerut
22.	Dr.N.S. Murty	Ph.D.	AndhraUniversity
23.	Dr. R.K. Singh	Ph.D.	BHU, Varanasi
24.	Dr. Ravi Kiran	Ph.D.	PAU, Ludhiana
25.	Tej Pratap	Ph.D.	Dr B R A University Agra
26.	Virendra P Singh	Ph.D.	BHU, Varanasi
27.	V K Singh	Ph.D.	Faizabad
28.	Dhananjay K Singh	Ph.D.	AgraUniversity
29.	V K Sah	Ph.D.	GarhwalUniversity
30.	S K Lavania	Ph.D.	KumaonUniversity
31.	Naresh Malik	Ph.D.	CCSU,Meerut
32.	Dr. R.S. Bisht	Ph.D.	KumaunUniversity Nanital

33.	Dr. M.S. Khan	Ph.D.	C.C.S.H.A.U Hisaar
34.	Dr. S.K. Sharma	Ph.D.	Dr YS Parmar Univ of Hort & Forestry, Solan
35.	Dr. Anil Kumar	Ph.D.	NDRI, Karnal
36.	Dr. S.K. Arora	Ph.D.	NDRI, Karnal
37.	Dr. S. Rai	Ph.D.	PAU, Ludhiana
38.	Dr. D.Roy	Ph.D.	U.K
39.	Dr. Surendra Singh	Ph.D.	Meerut
40.	Dr. A.K.Singh	Ph.D.	KumaunUniversity
41.	Dr. Virendra Singh	Ph.D.	KumaunUniversity
42.	Dr. B.B. Bandyopadhyay	Ph.D.	Calcutta
43.	Dr. P.S.Shukla	Ph.D.	MP
44.	Dr. Anil Kumar	Ph.D.	CSJMU Kanpur
45.	Dr. Ranjan Srivastava	Ph.D.	PAU, Ludhiana
46.	Dr. N.K. Mishra	Ph.D.	BHU, Varanasi
47.	Dr. V.K. Rao	Ph.D.	NDUAT, Faizabad
48.	Dr. P.N. Rai	Ph.D.	CCSUniversity, Meerut
49.	Dr. A.K. Singh	Ph.D.	PAU, Ludhiana
50.	Dr. Ajit Kumar	Ph.D.	IARI, New Delhi
51.	Dr. Satish Chand	Ph.D.	HNBCentralUniversity, Srinagar Garhwal
52.	Dr. Naveen Singh	Ph.D.	SHUATS, Allahabad
53.	Dr. K. Vishunavat	Ph.D.	CSAUA&T, Kanpur
54.	Dr. K.P. Singh	Ph.D.	BHU, Varanasi
55.	Dr. Yogendra Singh	Ph.D.	CSAUA&T, Kanpur
56.	Dr. K.P.S. Kushwaha	Ph.D.	CSAUAT, Kanpur
57.	Dr. Satya Kumar	Ph.D.	CSAUAT, Kanpur
58.	Dr. L.B. Yadav	Ph.D.	CSAUAT, Kanpur
59.	Dr. Manju Sharma	Ph.D.	Dr. YSPUHF, Solan
60.	Dr. K.P. Raverkar	Ph.D.	IARI, New Delhi
61.	Dr. S. P. Pachauri	Ph.D.	Dr. B.R.A.Univ. Agra
62.	Dr. Niddhi Arora, Assoc. Prof., VMD	Ph.D.	CSAU, Kanpur
63.	Dr. C.V. Singh, Prof., AGB	Ph.D.	AgraUniversity, U.P.
64.	Dr. A.K. Ghosh, Prof., AGB	Ph.D.	DUVASU, Mathura
65.	Dr. Sunil Kumar, Asstt. Prof., AGB	Ph.D.	AgraUniversity, U.P.
66.	Dr. Anuj Tewari Asstt. Prof., VMC	Ph.D.	RoyalVeterinaryCollege, University of London
67.	Dr. Jubeda Begum Asstt. Prof., VMC	Ph.D.	IVRI, Bareilly
68.	Dr. Arup Kumar Das Assoc. Prof., VSR	Ph.D.	CCS HAU, Hisar
69.	Dr. Deepti Bodh Asstt. Prof., VSR	Ph.D.	IVRI, Bareilly
70.	Dr. D.V. Singh Prof. & Head, LPM	Ph.D.	NDRI, Karnal

71.	Dr.C.B. Singh Prof., LPM	Ph.D.	AgraUniversity, UP
72.	Dr. Jyoti Palod Prof., LPM	Ph.D.	DUVASU, Mathura
73.	Dr. Shive Kumar Prof., LPM	Ph.D.	CCSHAU, Hisar
74.	Dr. Brijesh Singh Prof., LPM	Ph.D.	NDUAT, Faizabad
75.	Dr. Sanjay Kumar Prof., LPM	Ph.D.	V.B.S.Univ., Jaunpur
76.	Dr. S.K. Singh Prof., LPM	Ph.D.	C.S.A. Univ., Kanpur
77.	Dr. P.K.Singh Prof., & Incharge, LPT	Ph.D.	Dr. B.R. Ambedkar University, Agra
78.	Dr. P. Prabhakaran Assoc. Prof., LPT	Ph.D.	IVRI, Bareilly
79.	Dr. Anita Rani Asstt. Prof., LPT	Ph.D.	IVRI, Bareilly
80.	Dr. D.P.Tiwari Prof., ANN	Ph.D.	CCSHAU,Hisar
81.	Dr. B.C. Mondal Prof., ANN	Ph.D.	IVRI
82.	Dr. Mumtesh Kumar Assoc. Prof.,VPB	Ph.D.	IVRI Izatnagar
83.	Dr. R.Huozha Asst. Prof.,VPB	Ph.D.	NDRI Karnal
84.	Dr. Aman Kamboj Asst. Prof.,VPB	Ph.D.	IVRI Izatnagar

85.	Dr. Sanjeev Agrawal	Ph.D.	KurukshetraUniversity/ NDRI Karnal
86.	Dr. S.K. Dubey	Ph.D.	University of Allahabad
87.	Dr. P.B. Rao	Ph.D.	KumaunUniv., Naini Tal
88.	Dr. P.S. Bisht	Ph.D.	H.N.B. Garhwal University, Srinagar Garhwal
89.	Dr. A.K. Sharma	Ph.D.	KumaunUniv., Naini Tal
90.	Dr. Preeti Chaturvedi	Ph.D.	KurukshetraUniversity
91.	Dr. D.S. Rawat	Ph.D.	H.N.B. Garhwal University, Srinagar Garhwal Uttarakhand
92.	Dr. M.G.H. Zaidi	Ph.D.	Lucknow, University
93.	Dr. A.K. Pant	Ph.D.	KumaonUniversity Nainital
94.	Dr. N.K. Sand	Ph.D.	AgraUniversity
95.	Dr. Vivekanand	Ph.D.	KumaonUniversity Nainital
96.	Dr. Virendra Kasana	Ph.D.	JodhpurUniversity
97.	Dr. Anjana Srivastava	Ph.D.	HBTI, Kanpur
98.	Dr. Om Prakash	Ph.D.	KumaonUniversity Nainital
99.	Dr. Sameena Mehtab	Ph.D.	IIT, Roorkee

100.	Dr. J.P.N. Rai	Ph.D.	NEHU, Shilong
101.	Dr. Uma Melkania	Ph.D.	KumaunUniversity
102.	Dr. Vir Singh	Ph.D.	HNB Garhwal GBPUAT
103.	Dr. A.K. Shukla	Ph.D.	HNB Garhwal Univ.
104.	Dr. Manoj Kumar	Ph.D.	RorkeeUniv.
105.	Dr. S.B. Singh	Ph.D.	Meerut
106.	Dr. Vinod Kumar*	Ph.D.	AgraUniv.
107.	Dr. Haseen Ahmad	Ph.D.	AMU, Aligarh
108.	Dr. Arun Kumar	Ph.D.	GurukulUniv. Haridwar
109.	Dr. S.B. Bhardwaj	Ph.D.	CCSU Meerut
110.	Dr. Reeta Goel	Ph.D.	KanpurUniversity/ CDRI
111.	Dr. Anita Sharma	Ph.D.	BHU
112.	Dr. Manvika Sahgal	Ph.D.	BarkatullahUniversity, Bhopal
113.	Dr. Anil Kumar	Ph.D.	University of Rajasthan
114.	Dr. A.K. Gaur	Ph.D.	Dr. B.R. Ambedkar Agra University, Agra, formerly AgraUniversity
115.	Dr. Sandeep Arora	Ph.D.	Jamia Milia Islimia, University, New Delhi
116.	Dr. Sundip Kumar	Ph.D.	C.C.S.University, Meerut
117.	Dr. Pushpa Lohani	Ph.D.	LucknowUniv. , Lucknow
118.	Dr. Priyanka Pandey	Ph.D.	A.P.S.U. Rewa, M.P.
119.	Dr. Sneh Gautam	Ph.D.	IIT Roorkee, Uttarakhand
120.	Dr. R.C.Srivastava	Ph.D.	IIT Kanpur
121.	Dr. U.C. Johri	Ph.D.	IIT Kanpur
122.	Dr. M. Kumar	Ph.D.	Agra Univ.Agra
123.	Dr. Puja Goel	Ph.D.	IIT Roorkee
124.	Dr. B.C.Chanyal	Ph.D.	KU Nainital
125.	Dr S.K.Guru	Ph.D.	IARI, New Delhi
126.	Dr. B.M. Kumar	Ph.D.	JNU, New Delhi
127.	Dr. Prabha Pant	Ph.D.	DSB Campus, Nainital
128.	Dr. G.S. Kushwaha	Ph.D.	GurukulUniv. Haridwar
129.	Dr. B.N. Mahto	Ph.D.	LNMU, Darbhanga
130.	Dr. Bijay Kumar Khanduri	Ph.D.	HNBGU, Srinagar Garhwal
131.	Dr. Surendra Kumar	Ph.D.	CCS, Meerut

132.	Dr.I.J.Singh	Ph.D.	B.H.U Varanasi, U.P.
133.	Dr.A.K.Upadhyay	Ph.D.	Konkan Agricultural University Dapoli, Ratnagiri, Maharashtra
134.	Dr.R.S.Chauhan	Ph.D.	GarhwalUniversity, Srinagar, Uttarakhand
135.	Dr.R.N.Ram	Ph.D.	B.H.U Varanasi
136.	Dr.A.P.Sharma	Ph.D.	KumaunUniversity, Uttarakhand
137.	Dr.Amita Saxena	Ph.D.	MeerutUniversity, Meerut
138.	Dr.Avdhesh Kumar	Ph.D.	B.R.A. (Agra) University
139.	Dr.Hema Tewari	Ph.D.	D.S.B. Campus KumaunUniversity, Uttarakhand
140.	Dr.Vipul Gupta	Ph.D.	BRABU Muzzafferpur
141.	Dr.Ashutosh Mishra	Ph.D.	CIFE, Mumbai
142.	Dr.Anup Kumar	Ph.D.	MJPRU, Bareilly
143.	Dr.Akansha Khati	Ph.D.	KumaunUniversity, Nainital, Uttarakhand
144.	Dr. Pratibha Singh	Ph.D.	C.S.J.M. Kanpur
145.	Dr. Yama Khokhar	Ph.D.	RohelkhandUniversity, Bareilly
146.	Biswajit Pramanick	Ph.D.	Bidhan Chandra Krishi Viswavidyalaya, West Bengal
147.	Dr. S. C. Tripathi Prof., AHEE	Ph.D.	UP Autonomous Institute, Varanasi

Annexure A.15

List of faculty from the state other than the state in which university is situated

S. N.	Name	Domicile
1.	Dr. P.V.Raman Rao	A.P
2.	Dr.N.S. Murty	Andhra Pradesh
3.	Dr. B.B. Bandyopadhyay	Best Bengal
4.	Dr. Rajeev Ranjan	Bihar
5.	K S Shekhar	Bihar
6.	Dr. D.Roy	Bihar
7.	Dr. S.K. Sharma	H.P.
8.	Dr. Manju Sharma	H.P.
9.	Dr. R.S. Barwal, Asstt. Prof., AGB	H.P.
10.	Dr. Anita Rani	Haryana
11.	Dr. M.S. Khan	Haryana
12.	Dr. Ajit Kumar	Himachal Pradesh
13.	Dr. Deepti Bodh Asstt. Prof., VSR	Himanchal Pradesh
14.	Dr. Amit Prasad, Asstt. Prof., VMD	Jharkhand
15.	Dr. A.K. Ghosh, Prof., AGB	Jharkhand
16.	Dr. Sakshi	Karnataka
17.	Dr. D.P.Tiwari Prof., ANN	M.P.
18.	Dr. K.P. Raverkar	Maharashtra
19.	Dr. Jubeda Begum Asstt. Prof., VMC	Manipur
20.	Dr. R.Huozha Asst. Prof.,VPB	Nagaland
21.	Dr. Surendra Singh	New Delhi
22.	Dr. P. Prabhakaran Assoc. Prof., LPT	Tamil Nadu
23.	Dr. Praneeta Singh	U.P
24.	Dr. M. L. Kushwaha	U.P.
25.	Amit Kesarwani	U.P.
26.	Dr. J.P.Singh	U.P.
27.	Dr. Dhirendra K Singh	U.P.
28.	Dr. Dhirendra Singh	U.P.
29.	Dr.R.K. Srivastava	U.P.
30.	Dr. A.S. Nain	U.P.
31.	Dr. R.K. Singh	U.P.
32.	Dr. Ravi Kiran	U.P.
33.	D K Shukla	U.P.

34.	Naresh Malik	U.P.
35.	Vijay Pal Singh	U.P.
36.	Rajeew Kumar	U.P.
37.	Dr. S.N. Tiwari	U.P.
38.	Dr. A.K. Pandey	U.P.
39.	Dr. R.M. Srivastava	U.P.
40.	Dr. Poonam Srivastava	U.P.
41.	Dr. MeenaAgnihotri	U.P.
42.	Dr. S. Rai	U.P.
43.	Dr. Rajendra Prasad	U.P.
44.	Dr. P.K. Shrotria	U.P.
45.	Dr. Pushpendra	U.P.
46.	Dr. Kamendra Singh	U.P.
47.	Dr. S.S. Verma	U.P.
48.	Dr. J.S. Verma	U.P.
49.	Dr. A.K.Singh	U.P.
50.	Dr. Virendra Singh	U.P.
51.	Dr. J.P. Jaiswal	U.P.
52.	Dr. P.S.Shukla	U.P.
53.	Dr. N.K. Singh	U.P.
54.	Dr. Birendra Prasad	U.P.
55.	Dr. P.K. Pandey	U.P.
56.	Dr. Anil Kumar	U.P.
57.	Dr. N.K. Mishra	U.P.
58.	Dr. V.K. Rao	U.P.
59.	Dr. B.D. Bhuj	U.P.
60.	Dr. Rashmi Panwar	U.P.
61.	Dr. K. Vishunavat	U.P.
62.	Dr. R.K. Sahu	U.P.
63.	Dr. K.P. Singh	U.P.
64.	Dr. Vishwanath	U.P.
65.	Dr. Yogendra Singh	U.P.
66.	Dr. R.P.Singh	U.P.
67.	Dr. A.K. Tewari	U.P.
68.	Dr. S.K. Mishra	U.P.
69.	Dr Ramesh Chandra	U.P.
70.	Dr. S. P. Pachauri	U.P.
71.	Dr. Santosh Kumar Shukla Prof., VMD	U.P.
72.	Dr. Vijendra Singh Rajora Prof., VMD	U.P.
73.	Dr. Niddhi Arora, Assoc. Prof., VMD	U.P.
74.	Dr. D. Kumar, Prof. & Head, AGB	U.P.
75.	Dr. C.V. Singh, Prof., AGB	U.P.

76.	Dr. Sunil Kumar, Asstt. Prof., AGB	U.P.
77.	Dr. Rajesh Kumar Assoc. Prof., VMC	U.P.
78.	Dr. Anuj Tewari Asstt. Prof., VMC	U.P.
79.	Dr.N.S. Jadon Prof. & Head, VSR	U.P.
80.	Dr.C.B. Singh Prof., LPM	U.P.
81.	Dr.R.K. Sharma Prof., LPM	U.P.
82.	Dr. V.S. Singh Asstt. Prof. , VPA	U.P.
83.	Dr. R.R. Kumar Asstt. Prof. , VPA	U.P.
84.	DR. Anil Kumar Prof. & Head, ANN	U.P.
85.	Dr. Ashoka Kumar Prof., ANN	U.P.
86.	Dr G.K.Singh Prof., VAN	U.P.
87.	B S Mahapatra	West Bengal
88.	Dr. Arup Kumar Das Assoc. Prof., VSR	West Bengal
89.	Dr. B.C. Mondal Prof., ANN	West Bengal

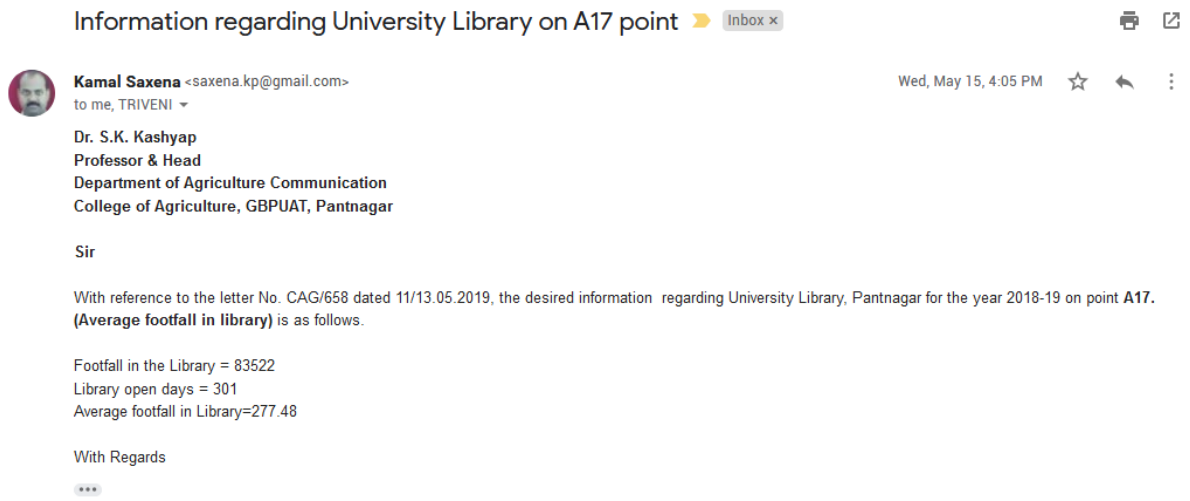
90.	Dr. P.B. Rao	-
91.	Dr. S.B. Bhardwaj	Delhi
92.	Dr. Sandeep Arora	Delhi
93.	Dr. Sanjay Kumar	U.P.
94.	Dr. Sanjeev Agrawal	U.P.
95.	Dr. Ashutosh Dubey	U.P.
96.	Dr. S.K. Dubey	U.P.
97.	Dr. A.K. Sharma	U.P.
98.	Dr. Preeti Chaturvedi	U.P.
99.	Dr. J.P.N. Rai	U.P.
100.	Dr. Uma Melkania	U.P.
101.	Dr. Vir Singh	U.P.
102.	Dr. Shweta Saraswat	U.P.
103.	Dr. A.K. Shukla	U.P.
104.	Dr. S.B. Singh	U.P.

105.	Dr. Vinod Kumar*	U.P.
106.	Dr. Haseen Ahmad	U.P.
107.	Dr. Reeta Goel	U.P.
108.	Dr. Lakshmi Tewari	U.P.
109.	Dr. Manvika Sahgal	U.P.
110.	Dr. Anil Kumar	U.P.
111.	Dr. A.K. Gaur	U.P.
112.	Dr. Gohar Taj	U.P.
113.	Dr. B.R. Singh	U.P.
114.	Dr. Sonu Ambwani	U.P.
115.	Dr. R.C.Srivastava	U.P.
116.	Dr. U.C. Johri	U.P.
117.	Dr. M. Kumar	U.P.
118.	Dr. Gagan Dixit	U.P.
119.	Dr. Puja Goel	U.P.
120.	Dr. Surendra Kumar	U.P.
121.	Dr.I.J.Singh	U.P.
122.	Dr.M. Das Trakroo	U.P.
123.	Dr.R.N.Ram	U.P.
124.	Dr.A.P.Sharma	U.P.
125.	Dr.Ashutosh Mishra	U.P.
126.	Dr.Rajesh	U.P.
127.	Dr.Anup Kumar	U.P.
128.	Dr. Yama Khokhar	U.P.
129.	Biswajit Pramanick	West Bengal

Annexure A.17

Average footfall in library

No of students registered (Including Enginerring and other colleges)	:	3808
No of Faculty on campus	:	326
Total users	:	4134
Total Footfall	:	83522
Average Footfall	:	6.30%



Information regarding University Library on A17 point Inbox ×

Kamal Saxena <saxena.kp@gmail.com> Wed, May 15, 4:05 PM

to me, TRIVENI

Dr. S.K. Kashyap
Professor & Head
Department of Agriculture Communication
College of Agriculture, GBPUAT, Pantnagar

Sir

With reference to the letter No. CAG/658 dated 11/13.05.2019, the desired information regarding University Library, Pantnagar for the year 2018-19 on point **A17. (Average footfall in library)** is as follows.

Footfall in the Library = 83522
Library open days = 301
Average footfall in Library=277.48

With Regards

Annexure A.18

CERA utilization in 2018

*CERA Utilization

Institution	Total hits from Jan to Dec 2018 as received by DKMA, ICAR, New Delhi	Total students and faculty	Average hits
G.B. Pant University of Ag & Tech, Pantnagar	37163	4134	8.99

(Number of hits/total number of students and faculty)

*Information has been collected from DKMA, ICAR

CeRA - J-Gate Usage Report for the Period January - December 2018

Sl.No	Organization Name	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total Hits
1	Govind Ballabh Pant University of Agriculture & Technology	4165	5583	3471	2881	5019	2385	1564	3551	3923	1970	1180	1471	37163

Annexure A.19

Accreditations on 01.01.2018 (by ICAR)

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
NEW DELHI

NATIONAL AGRICULTURAL EDUCATION ACCREDITATION BOARD

CERTIFICATE OF ACCREDITATION

On the recommendations of the ICAR Peer Review Team, the National Agricultural Education Accreditation Board, ICAR, New Delhi hereby grants accreditation to the **G.B. Pant University of Agriculture and Technology, Pantnagar (Uttarakhand)** and its following constituent colleges upto March 27, 2021.

- College of Agriculture, Pantnagar
- College of Veterinary & Animal Sciences, Pantnagar
- College of Technology, Pantnagar
- College of Agribusiness Management, Pantnagar
- College of Home Science, Pantnagar
- College of Basic Sciences & Humanities, Pantnagar
- College of Fisheries, Pantnagar

The accredited academic programmes are listed overleaf.

March, 2017
New Delhi

(Narendra Singh Rathore)
Deputy Director General (Agril. Edn.), ICAR
and Vice-Chairman, NAEAB

(Trilochan Mohapatra)
Secretary, DARE & Director General, ICAR
and Chairman, NAEAB

Annexure A.20

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

Recommendation has been fully implemented in the University through 378th, 379th meetings of Academic council of the University.

MINUTES OF 378th MEETING OF THE ACADEMIC COUNCIL HELD ON 13.07.2016 AT 11.00 A.M. IN THE CONFERENCE HALL OF THE COLEGE OF AGRICULTURE

The list of members of the Academic Council who attended the meeting is placed at Annexure-I.

At the outset, the Registrar & Secretary Academic Council welcomed the Vice-Chancellor and the Chairman and other members of the Academic Council appreciating their creative participation during past meetings.

The Council was informed that:

1. Pantvarsity has been adjudged as the Best University of Uttarakhand. Dr. Mangala Rai, Vice-Chancellor was presented the running trophy, appreciation letter and Rs. 1.00 lakh for the university library by the Honourable Governor on 26th April, 2016 at Dehradun.
2. Pantvarsity received Education Excellence Award of TV100 for its significant contribution in the field of agriculture education. The award was given by the Chief Minister of Uttarakhand, Shri Harish Rawat, in a function held at Dehradun on 19th June, 2016.
3. Vice-Chancellor- Dr. Mangala Rai has been included among hundred most influential Vice-Chancellors by the Would Education Congress.
4. Dr. K.P. Singh, Professor, Bio-physics has been appointed as the Vice-Chancellor of CCS Haryana Agricultural University, Hissar.
5. Dr. A.S. Nain, Professor & Head, Deptt. of Agrometeorology has been selected for the prestigious NABARD Chair Professor.
6. Dr. Anil. K. Gupta, Professor & Head, MBGE has been selected for the prestigious Dr. C. Subramanyam Best Teacher Award of the ICAR for 2015.
7. Dr. S.P. Singh, Prof. & Head, Deptt. of Vety. Public Health has taken over as Dean, Student Welfare as an additional responsibility.

The Council hailed all the recognitions/honors/awards and congratulated the Vice-Chancellor and all the above members/professors for their achievements/distinctions.

Further, the Council appreciated the services and contributions of following members who completed their tenure as members or ceased to be member of the Academic Council:

1. Dr. Ratna Rai, Associate Professor, Horticulture
2. Dr. Anil Shukla, Associate Professor, Agronomy
3. Dr. D.C. Baskheti, Asstt. Prof., Genetics & Plant Breeding
4. Dr.(Mrs.) Pratima Awasthi, Professor, Foods & Nutrition
5. Dr. K.P. Singh, Professor, Bio-Physics
6. Dr. Sanjay Kumar, Asstt. Professor, Mathematics
7. Dr. B.K. Singh, Assoc. Professor, Computer Engineering
8. Dr. Sandeep Gupta, Asstt. Prof., Civil Engineering

Thereafter the Registrar welcomed and introduced the following faculty members as new members of the Academic Council and hoped that their contributions would prove to be valuable to the deliberations of the Academic Council :

1. Dr. Aditi Vats, Professor, Family Resource Management
2. Dr. Birendra Prasad, Associate Professor, Gen. & Plant Breeding
3. Dr. Omveer Singh, Associate Professor, Horticulture
4. Dr. Ravi Pratap Singh, Assoc. Prof., Farm Machinery & Power Engg.
5. Dr. Preeti Chaturvedi. Associate Professor, Biological Sciences
6. Dr. A.K. Pant, J.R.O., Soil Science
7. Dr. B.R. Singh, Assistant Professor, Mol. Biology & Genetic Engg.
8. Dr. Abhishek Tomar, Asstt. Prof., Electronics & Communication Engg.

Thereafter, the agenda of the meeting was taken up and following decisions were made:

Item no.2016:378:01: Confirmation of the minutes of 377th meeting of the Academic Council held on 19.1.2016.

The Council resolved that the minutes of aforesaid meetings, as circulated, be confirmed.

Item no.2016:378:02 Action Taken Report (377th meeting)

Noted with the remarks that the recommendations of the committees on following issues be submitted in the next meeting of the Academic Council.

1. Uniform dress code.

(Action: DSW)

2. The matter of 'OGPA limit for award of degree with honours', be considered again in view of the Fifth Deans Committee Report of ICAR , and the recommendations be put up in the next meeting of AC.

(Action: Dean PGS/ EPC)

3. Allocation of seats in PG degree programme in CAFT implementing departments i.e. Agronomy & Plant Pathology.

(Action: Dean, Agriculture)

4. Eligibility of Mechanical Engg. for other Engineering majors (M.Tech. etc.) : a separate proposal be put up by Dean, Tech./Dean, P.G.S.

(Action: Dean, Tech./PGS)

Item No.2016:378:03: To consider Fifth Deans' Committee Report of ICAR

At the outset the Registrar gave a brief over view presentation on the Report of Fifth Deans Committee of ICAR. Thereafter the Vice-Chancellor invited comments from the members on the matter. The house appreciated the work done for preparing the Fifth Deans Committee Report. It was felt that the efforts will improve the quality of Agricultural Education so as to make it globally competitive. The Council resolved that the Report be principally adopted in the university. Further, different boards of faculties would first discuss the recommendations related to their discipline and the proceedings thereof may be put up to Academic Council for

consideration and adoption. A committee with Registrar, Dean, PGS and 3-4 other members would formulate implementation process of the V Dean's Committee Report. However, it was resolved that the recommendation w.r.t. the conduct of external examination as given in the report, i.e. paper setting by the external examiner and internal evaluation by the faculty other than the course instructor, be adopted with the 2016-17 batch of the students admitted to various undergraduate programmes of the university. Similarly, as emphasized by ICAR, students' READY programme, as applicable, be adopted.

(Action: Registrar/All Deans /Dean, PGS)

ItemNo.2016:378:04: Increase in the rates of University Ph.D fellowship amount from Rs. 3000/- per month to Rs. 6000/- per month.

After discussion the Council resolved to approve the revision of fellowship/assistantship as proposed in the agenda item subject to following changes:

1. Rates of Fellowship/assistantship :

Sl.No.	Present rate of Ph.D. fellowship	Revised rate of Ph.D. fellowship
1.	Rs. 3000/- per month for 36 months	Rs. 6000/- per month for 36 months

Sl.No.	Present rate of Graduate Assistantship	Revised rate of Graduate assistantship
1.	Rs. 2000/- per month	Rs. 3000/- per month
2.	Rs. 900/- per month	Rs. 2000/- per month

2. The above revised rates will be applicable from the date of approval of the Board of the Management or the State Government (if required).

(Action: DSW)

ItemNo.2016:378:05: Guidelines for the Award of 'Dhanuka Agri-tech Fellowship for M.Sc.Ag. student in the field of Agronomy.

The Academic Council after going through the proposal, resolved to approve the guidelines as provided in the agenda note.

(Action: DSW)

Item No.2016:378:06 To consider the recommendations of the Committee constituted by the Academic Council regarding change of nomenclature of M.Sc. Ag/M.V.Sc. Molecular Biology and Biotechnology degrees to M.Sc. Agriculture (Biotechnology) and M.V.Sc. (Animal Biotechnology) degrees.

After discussion the Academic Council resolved to approve the nomenclature suggested by the committee and as provided in the agenda note. Thus the nomenclature of M.Sc.

Annexure B.1

List of the research articles		
Sr. No.	**Details of publication**	**NAAS (or equivalent) Rating**
1.	Sirohi, R., Singh, A., Tarafdar, A. and Shahi, N.C.2018. Application of genetic algorithm in modeling and optimization of cellulose production.*Bioresource Technology*.	11.28 (Impact factor-5.28)
2.	Sharma, P. and Melkania, U. 2018. Effect of phenolic compounds on hydrogen production from municipal solid, *WasteManagement*, *78*:115-123.	10.72
3.	Sharma, P. and Melkania, U. 2018. Impact of heavy metals on hydrogen production from organic fraction of municipal solid waste using co-culture of Enterobacteraerogenes and E. Coli, *WasteManagement*, *75*: 289-296.	10.72
4.	Pandey, V., Singh, M., Pandey, D. and Kumar, A. 2018. Integrated proteomics, genomics, and metabolomics approaches reveal oxalic acid as pathogenicity factor in *Tilletiaindica* inciting Karnal bunt disease of wheat. *Scientific Reports, 8:7826-7830.*	10.26
5.	Gangola, S., Sharma, A., Bhatt, P., Khati, P. and Chaudhary, P. 2018. Presence of esterase and laccase in *Bacillus subtilis* facilitates biodegradation and detoxification of cypermethrin. *Scientific Reports*, 8(1): 12755	10.12
6.	Pandey, V., Singh, M., Pandey, D., Marla, S.S. and Kumar, A. 2018. Secretome analysis identifies potential pathogenicity/virulence factors of *Tilletiaindica*, a quarantined fungal pathogen inciting Karnal bunt disease in wheat. *Proteomics, 18(8): 10-15.*	10.04
7.	Pandey, R.K., Tewari, S. and Tewari, L. 2018. Lignolyticmashroom*Lenziteselegens* WDP2: Laccase production, characterization and bioremediation of synthetic dyes. *Ecotoxicology and Environmental Safety*, 158: 50-58.	9.97
8.	Pant, A. and Rai, J.P.N. Bioremediation of chlorpyrifos contaminated soil by twophasebioslurryreactor: Processes evaluation and optimization by Taguchi's design of experimental (DOE) methodology. *Ecotoxicology and Environmental Safety*, *150*:305–311	9.97
9.	Suyal D.C., Kumar S., Joshi D., Soni R. and Goel R. 2018. Quantitative proteomics of psychotrophicdiazotroph in response to nitrogen deficiency and cold stress.*Proteomics.*	9.72
10.	Tossavainen, M., Katyal, N. Kostia, S., Valkonen, K., Sharma, A.K, Sharma, S., Ojala, A. and Romantschuk, M. 2018. Conversion of biowaste leachate to valuable biomass and lipids in mixed cultures of *Euglena gracilis* and chlorophytes. *Algal Research*, *35*: 76-84.	9.7

11.	Savary, S., Djurle, A., Yuen, J., Ficke, A., Rossi, V., Esker, P., Fernandes, J.M., Del Ponte, E., Kumar, J., Madden, L.V. and Paul, P.A (Epub). 2018. A white paper on global wheat health based on scenario development and analysis, *Phytopathology*.	8.90
12.	Sharma, D., Tiwari, A., Sood, S., Jamra, G., Singh, N. K., Meher, P. K. and Kumar, A. 2018. Genome wide association mapping of agro-morphological traits among a diverse collection of finger millet (Eleusinecoracana L.) genotypes using SNP markers. *PloS one, 13(8):* 0199444.	8.81
13.	Tarafdar, A., Shahi, N.C., Singh, A. and Sirohi, R. 2018. Artificial Neural Network Modeling of Water Activity: a Low Energy Approach to Freeze Drying. *Food and Bioprocess Technology, 11 (1):*164-171.	8.58
14.	Ditzler, L., Breland, T.A., Francis, C., Chakraborty, M., Singh, D.K., Srivastava, A., Eyhorn, F., Groot, J.C.J., Six, J. and Decock, C. 2018. Identifying viable nutrient management interventions at the farm level: The case of smallholder organic Basmati rice production in Uttarakhand, India.*Agricultural Systems*, *161(C):*61-71.	8.57
15.	Tarafdar, A., Shahi, N.C. and Singh A. 2018. Freeze-Drying Behaviour Prediction of Button Mushrooms using Artificial Neural Network and Comparison with Semi-empirical Models. *Neural Computing and Applications*.	8.5 (Impact factor-2.505)
16.	Ganguly, B. and Rastogi, S.K. 2018. Structural and functional modeling of viral protein 5 of Infectious Bursal Disease Virus. *Virus Research*. *247*:55-60.	8.48
17.	Sheikh, I., Sharma, P., Verma, S.K., Kumar, S., Kumar, N., Kumar, S., Kumar, R., Vyas, P. and Dhaliwal, H.S. 2018. Development of intron targeted amplified polymorphic markers od metal homeostasis genes for monitoring their introgression from *Aegilops*species to wheat. *Molecular Breeding*:	8.47
18.	Pandey Raj, Khan Chand and Tewari, Lakshmi.2018. Solid state fermentation and crude cellulase based bioconversion of potential bamboo biomass to reducing sugar for bioenergy production. *Journal of The Science of Food and Agriculture, 98(12):* 4411-4419.	8.46
19.	Chandra, D. Srivastava, R., Glick, B.R. and Sharma, A.K. 2018. Drought tolerant Pseudomonas spp. improves the growth performance of finger millet (*EleusineCoracana* (L.) Gaertn.) under non-stressed and drought-stressed conditions. *Pedosphere,28:*227-240.	8.43
20.	Akbar, N., Gupta, S., Tiwari, A., Singh, K.P. and Kumar, A. 2018. Characterization of metabolic network of oxalic acid biosynthesis through RNA seq data analysis of developing spikes of finger millet (*Eleusinecoracana*): Deciphering the role of key genes	8.42

	involved in oxalate formation in relation to grain calcium accumulation. *Gene*; *649*:40-49.	
21.	Begum, J., Mir, N.A., Dev, K. and Khan, I.A. 2018. Dynamics of antibiotic resistance with special reference to Shiga toxin-producing *Escherichia coli* infections. *Journal of Applied Microbiology*, 125 (5): 1228-1237.	8.16
22.	Singh, D.K., Pandey, P.C., Nanda, G. and Gupta, S. 2019. Long-term effects of inorganic fertilizer and farmyard manure application on productivity, sustainability and profitability of rice-wheat system in Mollisols, *Archives of Agronomy and Soil Science*, *65(2)*: 139-151.	8.15
23.	Prakash, H., Chauhan, P.S., General, T. and Sharma, A.K.2018. Development of eco-friendly process for the production of bioethanol from banana peel using inhouse developed cocktail of thermoalkali-stable depolymerizing enzymes. *Bioprocess and Biosystems Engineering*, *41(7):* 1003–1016.	8.14
24.	Gupta, S, Bhatt, P. and Chaturvedi, P. 2018. Determination and quantification of asiaticoside in endophytic fungus from *Centellaasiatica* (L.) Urban. World Journal of Microbiology and Biotechnology *34(111):*1-10.	8.10
25.	Mathpal, P., Kumar, U., Kumar, A., Kumar, S., Malik. S., Kumar, N., Dhaliwal, H.S. and Kumar, S. 2018. Identification, expression analysis, and molecular modeling of iron-deficiency-specific clone 3 (*Ids3*)-like gene in hexaploid wheat. 3 *Biotech*, 8:219	7.36
26.	Gupta, S., Pathak, R.K., Gupta, S.M., Gaur, V.S., Singh, N.K. and Kumar, A. 2018. Identification and molecular characterization of Dof transcription factor gene family preferentially expressed in developing spikes of *Eleusinecoracana*L. 3 *Biotech*, *8(2):*82.	7.36
27.	Kumar, A., Jaiswal, J.P., Sharma, N., Gupta, S. and Kumar, A. 2018. Understanding the molecular basis of differential grain protein accumulation in wheat (*Triticumaestivum* L.) through expression profiling of transcription factors related to seed nutrients storage. 3 *Biotech*, *8(2):*112.	7.36
28.	Pathak, R.K., Baunthiyal, M. Dinesh Pandey and Kumar A. 2018. Augmentation of crop productivity through interventions of omics technologies in India: challenges and opportunities. 3 *Biotech*, *8*:454.	7.36
29.	Pathak, A., Kumar, D., Kumar, P.V., Kamboj, A., Sharma, J., Shukla, M., Upadhyay, A.K., Karabasanavar, N., Purushottam, K, Singh, S.P. 2018. Mutations in DNA gyrase and topoisomerase genes linked to fluoroquinolone resistance in Salmonella Typhimurium of animal origin in India. *Journal of Global Antimicrobial Resistance*, *15:* 268-270.	8.02
30.	Tarafdar, A., Shahi, N.C. and Singh, A.2018.Color	7.95

	assessment of freeze-dried mushrooms using Photoshop and optimization with genetic algorithm. *Journal of Food Process Engineering*.	(Impact Factor-1.955)
31.	Mandal, S., Kumar, G.V.P., Bhattacharya, T.K., Tanna, H.R. and Jena. P.C. 2018. Briquetting of pine needles (pinusroxburgii) and their physical, handling and combustion properties. *Waste and Biomass Valorization*. Springer.	7.87
32.	Akbar, N., Gupta, S., Tiwari, A., Singh, K.P. and Kumar, A. 2018. Characterization of metabolic network of oxalic acid biosynthesis through RNA seq data analysis of developing spikes of finger millet (*Eleusine coracana*): Deciphering the role of key genes involved in oxalate formation in relation to grain calcium accumulation. *Gene*, *649*, 40-49.	8.42
33.	Verma, K.C. 2018.Biochemical Constituents of Buckwheat (*FagopyrumesculentumMoench*) collected from different geographical regions of Himachal Pradesh. *Molecular Biology Reports*, *45(6):* 2681–2687.	7.89
34.	Saraswat, S. and Rai, J. P. N. Aquatic macrophytes mediated remediation of toxic metals from moderately contaminated industrial effluent. *International Journal of Phytoremediation*, *20 (9)*: 876–884.	7.89
35.	Mandal, S., Kumar, G.V. P., Bhattacharya, T.K., Tanna, H.R. and Jena P.C.2018. Briquetting of pine needles (pinusroxburgii) and their physical, handling and combustion properties. *Waste and Biomass Valorization* . Springer.	7.87
36.	A.K. Parihar, Ahwani K. Basandrai, K.P.S Kushwaha, S. Chandra, K.D. Sinha, R.S. Bal, D Saxena, Deepak Singh,\ and Sanjeev Gupta(2018) Targeting test environment and rust residence genotype in lentils(Lens culinary by using heritability-adjusted bioplot analysis. *Crop and Pasture Science*, *69:1113-1125*	7.8
37.	Kokane, S.B., Pathak, R.K., Singh, M. and Kumar, A. 2018. The role of tripartite interaction of calcium sensors and transporters in the accumulation of calcium in finger millet grain. *BiologiaPlantarum*.	7.55
38.	Tyagi, B., Tewari, S. and Dubey, A.2018. Biochemical Characterization of fungus isolated during *In vitro* propagation of *Bambusabalcooa*. *Pharmacognosy Magazine*, *13 (52):* S775-S779.	7.53
39.	Khati, P., Parul, Bhatt, P., Nisha, Kumar, R. and Sharma, A. 2018. Effect of nanozeolite and plant growth promotoryrhizobacteria on Maize. 3 *Biotech, (8)*: 141.	7.36
40.	Mehta, C. M., Pudake, R.N., Srivastava, R., Palni, U. and Sharma, A.K. 2018. Development of PCR-based molecular marker for screening of disease suppressive composts against *Fusarium* wilts of tomato (*Solanumlycopersicum*L.). 3*Biotech*, (*8)*:306.	7.50

41.	Panwar, P., Verma, A. K. andDubey, A.2018. Purification, developmental expression, and in silico characterization of α-amylase inhibitor from *Echinochloafrumentacea. 3 Biotech, (8)*:227.	7.50
42.	Kate, A. E., Lohani, U. C. and Shahi, N.C.2018. Development and testing of apricot (Prunus armeniaca. L) pit decorticator. *Journal of Food Process Engineering.*	7.37
43.	Sirohi, R., Singh, A., Tarafdar, A., Shahi, N.C., Verma, A.K. and Kushwaha, A. 2018. Cellulase Production from Pre-treated Pea Hulls Using Trichodermareesei Under Submerged Fermentation. Waste and Biomass Valorization.	7.34
44.	Tarafdar, A. and Shahi, N.C.2018. Application and comparison of genetic and mathematical optimizers for freeze-drying of mushrooms. *Journal of Food Science and Technology*.	7.26
45.	Patni, B., Chandra, H., Mishra, A.P., Guru, S.K., Vitalini,S. and Iriti M. 2018. Rice allelopathy in weed management – An integrated approach. *Cellular and Molecular Biology, 64 (8):* 84-93.	6.92
46.	Kashyap, A., Penak, S. M., Saha, A., & Singh, B. R. (2018). In vitro plant development of Eleusine coracana via indirect organogenesis and somatic embryogenesis using mature seeds as explants. *CURRENT SCIENCE*, *115*(1), 91-98.	6.84
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144.	Mudila, H., Prasher, P., Rana, S., Khati, B. and Zaidi, M. G. H. 2018. Electrochemical oxidation-reduction and determination of urea at enzyme free PPY-GO electrode. *Carbon Letters (Carbon Lett.)*: *26*, 88-94.	Thomson Reuter (1.432) NAAS~7.432
145.	Raghuwanshi, S., Zaidi, M. G. H., Kumar, S., & Goel, R. (2018). Comparative Response of Indigenously Developed Bacterial Consortia on Progressive Degradation of Polyhydroxybutyrate Film Composites. *Journal of Polymers and the Environment*, *26*(7): 2661-2675.	Thomson Reuter (1.971) NAAS~7.971
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147.	Bisht, G., Zaidi, M. G. H., and Biplab, K. C. 2018. In vivo Acute Cytotoxicity Study of Poly (2-amino ethyl methacrylate-co-methylene bis-acrylamide) Magnetic Composite Synthesized in Supercritical CO 2. *Macromolecular Research*, *26*(7): 581-591.	Thomson Reuter (1.767) NAAS~7.767

148.	Kumar, S., Suyal, D. C., Bhoriyal, M., and Goel, R. 2018. Plant growth promoting potential of psychrotolerant Dyadobacter sp. for pulses and finger millet and impact of inoculation on soil chemical properties and diazotrophic abundance. *Journal of plant nutrition*, *41*(8): 1035-1046.	6.62
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154.	Roy, S. and Verma, O. 2018. Seed Quality and Storage of Wheat (Triticum aestivum L.) as Influenced by Basal and Foliar Application of Nitrogen. *National Academy Science Letters*, *41*(6): 337-340.	6.37
155.	Suyal, A., Srivastava, A., and Srivastava, P. C. 2018. Influence of organic amendments on dissipation kinetics of two different pesticides in soil: a case study. *Communications in soil science and plant analysis*, *49*(14): 1750-1760.	6.59
156.	Sheetal, S. K., Prasad, S., and Gupta, H. P. (2018). Extra-uterine pregnancy in a Murrah buffalo–A rare case report. *Buffalo Bulletin*, *37*(4): 591-595.	6.10
157.	Solanki, P., Narayan, M., Rabha, A. K., and Srivastava, R. K. 2018. Assessment of Cadmium Scavenging Potential of Canna indica L. *Bulletin of environmental contamination and toxicology*, *101*(4): 446-450.	7.41
158.	Khatoon, H., and Rai, J. P. N. 2018. Augmentation of Atrazine biodegradation by two Bacilli immobilized on α-Fe 2 O 3 magnetic nanoparticles. *Scientific reports*, *8*(1): 17831.	10.26
159.	Verma, A. K., Gupta, A. and Dubey, A. 2018. Impact of	Thomson Reuter

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164.	Ingole, N. A., A. S. Nain, R. H. Rathod, R. Posti, and R. Chalal 2018. GIS based hydro-biological parameter approach for identification of productive zones in Nanak Sagar Reservoir of Uttarakhand, India, *Iranian Journal of Fisheries Sciences, 17(2)*: 427-434.	Thomson Reuter (0.446) NAAS~6.446
165.	Chauhan, A., Rajput, N., Kumar, A., Verma, J. S., and Chaudhry, A. K. 2018. Interactive effects of gibberellic acid and salt stress on growth parameters and chlorophyll content in oat cultivars. *Journal of Environmental Biology*, *39*(5): 639-646.	6.70

Annexure B.2

List of faculty members having h-index as 10 or more		
Sr. No.	**Name of the faculty**	**H-index**
1.	Dr A K Gaur	12
2.	Dr A. K. Upadhyay	10
3.	Dr Ajeet Pratap Singh	10
4.	Dr Anil Kumar	25
5.	Dr Deepti Shankhdhar	10
6.	Dr Dinesh Pandey	13
7.	Dr G.K.Singh	10
8.	Dr Gohar Taj	13
9.	Dr H.S. Chawla	16
10.	Dr J.P. Jaiswal	10
11.	Dr K P Raverkar	11
12.	Dr Mahesh Kumar	12
13.	Dr Mumtesh Kumar Saxena	10
14.	Dr N. K. Singh	12
15.	Dr R.S.Chauhan	28
16.	Dr Rajeev Ranjan Kumar	10
17.	Dr Rajesh Kumar	10
18.	Dr Ramesh Chandra	14
19.	Dr Rita S. Raghuvanshi	11
20.	Dr RP Srivastava	11
21.	Dr RS Chauhan	11
22.	Dr S. K. Sharma	11
23.	Dr S. N. Tiwari	11
24.	Dr Salil Tewari	11
25.	Dr Sandeep Arora	16
26.	Dr SP Maurya	13
27.	Dr Stuti Vatsya	11
28.	Dr Sundip Kumar	13
29.	Dr Virendra Singh	10
30.	Dr. A. K. Tewari	11
31.	Dr. A. K.. Verma	11
32.	Dr. A.P Sharma	18
33.	Dr. A.S. Jeena	14
34.	Dr. Aditya Kumar Mishra	15
35.	Dr. AH Ahmad	13
36.	Dr. AK Pant	15
37.	Dr. AK. Sharma	23
38.	Dr. Anjana Srivastava	11
39.	Dr. C.V. Singh	13
40.	Dr. Gagan Dixit	10
41.	Dr. Hema Tewari	15
42.	Dr. J. Kumar, FNAAS	10
43.	Dr. J.P.N. Rai	20
44.	Dr. K. K. Misra	12
45.	Dr. Krishna Pratap Singh	14
46.	Dr. Lakshmi Tewari	12
47.	Dr. Manoj Kumar	10

48.	Dr. MGH Zaidi	14
49.	Dr. Munish Kumar	20
50.	Dr. Om Prakash	10
51.	Dr. P C Srivastav	21
52.	Dr. P.B. Rao	10
53.	Dr. Puja Goel	11
54.	Dr. R. C. Srivastava	18
55.	Dr. R. K. Srivastava	15
56.	Dr. R. P. Srivastav	12
57.	Dr. Reeta Goel	21
58.	Dr. S.B. Singh	12
59.	Dr. S.C. Shankhdhar	10
60.	Dr. Sameena Mehtab	16
61.	Dr. Sanjay Kumar	11
62.	Dr. Sanjeev Agrawal	12
63.	Dr. Uma Melkania	10
64.	Dr. V. K. Singh	21
65.	Dr. V.K. Singh	12
66.	Dr. Virendra Pratap Singh	24
67.	Dr. B.S. Mahapatra	16
68.	Dr. Santosh Kumar	15
69.	Dr. SumitChaturvedi	12

Annexure B.3-1

Patents granted during 2018

1. Process of talc based formulation for LDPE degrading bacterial consortium. Indian patent No. 298158 dated 27/06/2018.
2. Decontaminant formulation for farm-gate vegetables and processed for preparing the same. Patent no.300279 date 24/08/2018.

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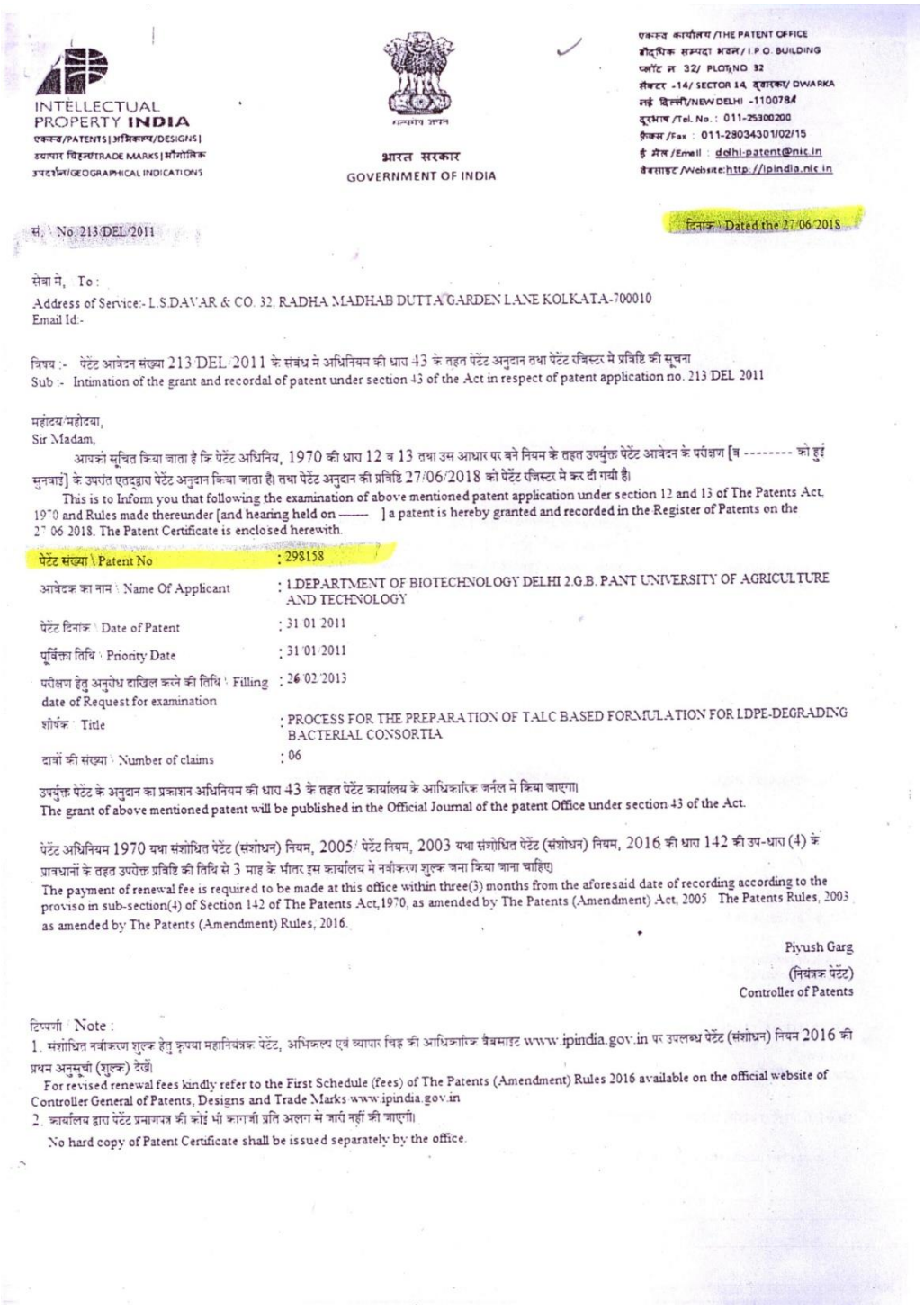

INTELLECTUAL PROPERTY INDIA
एकस्व/PATENTS | अभिकल्प/DESIGNS | व्यापार चिह्न/TRADE MARKS | भौगोलिक उपदर्शन/GEOGRAPHICAL INDICATIONS

भारत सरकार
GOVERNMENT OF INDIA

एकस्व कार्यालय /THE PATENT OFFICE
बौद्धिक सम्पदा भवन / I.P.O. BUILDING
प्लॉट न 32/ PLOT NO 32
सेक्टर -14/ SECTOR 14, द्वारका/ DWARKA
नई दिल्ली/NEW DELHI -110078
दूरभाष /Tel. No.: 011-25300200
फैक्स /Fax : 011-28034301/02/15
ई मेल /Email : delhi-patent@nic.in
वेबसाइट /Website: http://ipindia.nic.in

सं. \ No. 213/DEL/2011

दिनांक \ Dated the 27/06/2018

सेवा मे, To :
Address of Service:- L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010
Email Id:-

विषय :- पेटेंट आवेदन संख्या 213/DEL/2011 के संबंध मे अधिनियम की धारा 43 के तहत पेटेंट अनुदान तथा पेटेंट रजिस्टर मे प्रविष्टि की सूचना
Sub :- Intimation of the grant and recordal of patent under section 43 of the Act in respect of patent application no. 213/DEL/2011

महोदय/महोदया,
Sir Madam,

आपको सूचित किया जाता है कि पेटेंट अधिनियम, 1970 की धारा 12 व 13 तथा उस आधार पर बने नियम के तहत उपर्युक्त पेटेंट आवेदन के परीक्षण [व -------- को हुई सुनवाई] के उपरांत एतद्द्वारा पेटेंट अनुदान किया जाता है। तथा पेटेंट अनुदान की प्रविष्टि 27/06/2018 को पेटेंट रजिस्टर मे कर दी गयी है।

This is to Inform you that following the examination of above mentioned patent application under section 12 and 13 of The Patents Act, 1970 and Rules made thereunder [and hearing held on ------] a patent is hereby granted and recorded in the Register of Patents on the 27/06/2018. The Patent Certificate is enclosed herewith.

पेटेंट संख्या \ Patent No	: 298158
आवेदक का नाम \ Name Of Applicant	: 1.DEPARTMENT OF BIOTECHNOLOGY DELHI 2.G.B. PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
पेटेंट दिनांक \ Date of Patent	: 31/01/2011
पूर्विकता तिथि \ Priority Date	: 31/01/2011
परीक्षण हेतु अनुरोध दाखिल करने की तिथि \ Filling date of Request for examination	: 26/02/2013
शीर्षक \ Title	: PROCESS FOR THE PREPARATION OF TALC BASED FORMULATION FOR LDPE-DEGRADING BACTERIAL CONSORTIA
दावों की संख्या \ Number of claims	: 06

उपर्युक्त पेटेंट के अनुदान का प्रकाशन अधिनियम की धारा 43 के तहत पेटेंट कार्यालय के आधिकारिक जर्नल मे किया जाएगा।
The grant of above mentioned patent will be published in the Official Journal of the patent Office under section 43 of the Act.

पेटेंट अधिनियम 1970 यथा संशोधित पेटेंट (संशोधन) नियम, 2005/ पेटेंट नियम, 2003 यथा संशोधित पेटेंट (संशोधन) नियम, 2016 की धारा 142 की उप-धारा (4) के प्रावधानों के तहत उपरोक्त प्रविष्टि की तिथि से 3 माह के भीतर इस कार्यालय मे नवीकरण शुल्क जमा किया जाना चाहिए।
The payment of renewal fee is required to be made at this office within three(3) months from the aforesaid date of recording according to the proviso in sub-section(4) of Section 142 of The Patents Act,1970, as amended by The Patents (Amendment) Act, 2005 The Patents Rules, 2003 as amended by The Patents (Amendment) Rules, 2016.

Piyush Garg
(नियंत्रक पेटेंट)
Controller of Patents

टिप्पणी \ Note :
1. संशोधित नवीकरण शुल्क हेतु कृपया महानियंत्रक पेटेंट, अभिकल्प एवं व्यापार चिह्न की आधिकारिक वैबसाइट www.ipindia.gov.in पर उपलब्ध पेटेंट (संशोधन) नियम 2016 की प्रथम अनुसूची (शुल्क) देखें।
For revised renewal fees kindly refer to the First Schedule (fees) of The Patents (Amendment) Rules 2016 available on the official website of Controller General of Patents, Designs and Trade Marks www.ipindia.gov.in
2. कार्यालय द्वारा पेटेंट प्रमाणपत्र की कोई भी कागजी प्रति अलग से जारी नहीं की जाएगी।
No hard copy of Patent Certificate shall be issued separately by the office.

INTELLECTUAL PROPERTY INDIA
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सत्यमेव जयते

भारत सरकार
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एकस्व कार्यालय/THE PATENT OFFICE
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प्लॉट न. 32/ PLOT NO. 32
सैक्टर -14/ SECTOR 14, द्वारका/ DWARKA
नई दिल्ली/NEW DELHI -110078
दूरभाष/Tel. No.: 011-25300200
फ़ैक्स/Fax : 011-28034301/02/15
ई मेल/Email : delhi-patent@nic.in
वेबसाइट/Website:http://ipindia.nic.in

सं. \ No. 211/DEL/2015

दिनांक \ Dated the 24/08/2018

सेवा मे, \ To :

Address of Service:- LEX ORBIS Intellectual Property Practice 709/710, Tolstoy House 15 – 17, Tolstoy Marg New Delhi – 110 001
Email Id:-

विषय :- पेटेंट आवेदन संख्या 211/DEL/2015 के संबंध मे अधिनियम की धारा 43 के तहत पेटेंट अनुदान तथा पेटेंट रजिस्टर मे प्रविष्टि की सूचना
Sub :- Intimation of the grant and recordal of patent under section 43 of the Act in respect of patent application no. 211/DEL/2015

महोदय/महोदया,
Sir/Madam,

आपको सूचित किया जाता है कि पेटेंट अधिनिय, 1970 की धारा 12 व 13 तथा उस आधार पर बने नियम के तहत उपर्युक्त पेटेंट आवेदन के परीक्षण [व -------- को हुई सुनवाई] के उपरांत एतद्द्वारा पेटेंट अनुदान किया जाता है। तथा पेटेंट अनुदान की प्रविष्टि 24/08/2018 को पेटेंट रजिस्टर मे कर दी गयी है।

This is to Inform you that following the examination of above mentioned patent application under section 12 and 13 of The Patents Act, 1970 and Rules made thereunder [and hearing held on ------] a patent is hereby granted and recorded in the Register of Patents on the 24/08/2018. The Patent Certificate is enclosed herewith.

पेटेंट संख्या \ Patent No	: 300279
आवेदक का नाम \ Name Of Applicant	: G.B. Pant University Of Agriculture & Technology
पेटेंट दिनांक \ Date of Patent	: 23/01/2015
पूर्विक्त तिथि \ Priority Date	: 23/01/2015
परीक्षण हेतु अनुरोध दाखिल करने की तिथि \ Filling date of Request for examination	: 09/03/2015
शीर्षक \ Title	: DECONTAMINANT FORMULATION FOR FARM-GATE VEGETABLES AND PROCESS FOR PREPARING THE SAME
दावों की संख्या \ Number of claims	: 09

उपर्युक्त पेटेंट के अनुदान का प्रकाशन अधिनियम की धारा 43 के तहत पेटेंट कार्यालय के आधिकारिक जर्नल मे किया जाएगा।
The grant of above mentioned patent will be published in the Official Journal of the patent Office under section 43 of the Act.

पेटेंट अधिनियम 1970 यथा संशोधित पेटेंट (संशोधन) नियम, 2005/ पेटेंट नियम, 2003 यथा संशोधित पेटेंट (संशोधन) नियम, 2016 की धारा 142 की उप-धारा (4) के प्रावधानों के तहत उपरोक्त प्रविष्टि की तिथि से 3 माह के भीतर इस कार्यालय मे नवीकरण शुल्क जमा किया जाना चाहिए।
The payment of renewal fee is required to be made at this office within three(3) months from the aforesaid date of recording according to the proviso in sub-section(4) of Section 142 of The Patents Act,1970, as amended by The Patents (Amendment) Act, 2005 / The Patents Rules, 2003 as amended by The Patents (Amendment) Rules, 2016.

Dr. D Usha Rao
(नियंत्रक पेटेंट)
Controller of Patents

टिप्पणी / Note :

1. संशोधित नवीकरण शुल्क हेतु कृपया महानियंत्रक पेटेंट, अभिकल्प एवं व्यापार चिह्न की आधिकारिक वैबसाइट www.ipindia.gov.in पर उपलब्ध पेटेंट (संशोधन) नियम 2016 की प्रथम अनुसूची (शुल्क) देखें।
For revised renewal fees kindly refer to the First Schedule (fees) of The Patents (Amendment) Rules 2016 available on the official website of Controller General of Patents, Designs and Trade Marks www.ipindia.gov.in
2. कार्यालय द्वारा पेटेंट प्रमाणपत्र की कोई भी कागजी प्रति अलग से जारी नहीं की जाएगी।
No hard copy of Patent Certificate shall be issued separately by the office.

Annexure B.3-2

A. Varieties released

S.No.	Name of Crop	Variety	Year	Released from Centre (C)/State(S)/Notified
1.	Wheat	UP 2855	2018	SVRC/Notified
2.	Wheat	UP 2844	2018	SVRC/Notified
3.	Wheat	UP 2865	2018	SVRC/Notified
4.	Rice	Pant Dhan 22	2018	SVRC
5.	Rice	Pant Dhan 28	2018	SVRC
6.	Field Pea	Pant P 243	2018	CVRC
7.	Field Pea	Pant P 250	2018	CVRC
8.	Field Pea	Pant P-195	2018	SVRC
9.	Field Pea	Pant P-200	2018	SVRC
10	Field Pea	Pant Sabji Matar-6	2018	SVRC
11.	Yellow Sarson	Pant Girja	2018	SVRC
12.	Moong	MU-09-11	2018	SVRC
13.	Urd	PU-10	2018	CVRC
14.	Urd	PU-10-16	2018	SVRC
15.	Urd	PU-11-14	2018	SVRC
16.	Urd	PU-11-25	2018	SVRC
17.	Arhar	PA-406	2018	SVRC
18.	Arhar	PA-414	2018	SVRC
19.	Gram	Pant G-119	2018	SVRC
20.	Lentil	Pant L-141	2018	SVRC
21.	Lentil	Pant L-164	2018	SVRC
22.	Chari	Pant Chari- 9	2018	SVRC
23.	Chari	Pant Chari-10	2018	SVRC
24	Chari	Pant Chari-11	2018	SVRC

B. Breed released

Uttara breed of chicken with accession no. INDIA_CHICKEN_2400_UTTARA_12019

दिनांक 05 फरवरी 2018 को आयोजित राज्य बीज उप समिति की बारहवीं बैठक का कार्यवृत

दिनांक 05–02–2018 को अपरान्ह में उत्तराखण्ड शासन, देहरादून में राज्य बीज उप समिति की बारहवीं बैठक का आयोजन अपर सचिव कृषि महोदय की अध्यक्षता में किया गया। अध्यक्ष राज्य बीज उप समिति द्वारा उपस्थित वैज्ञानिकों एवं अधिकारियों/समिति के सदस्यों के साथ समिति की कार्यवाही प्रारम्भ की गई।

बैठक मे कृषि निदेषक द्वारा अवगत कराया गया की समिति द्वारा प्रदेश हेतु वैज्ञानिकों द्वारा विकसित की गई प्रजातियों कि समीक्षा की जाती है, जिसनें तीन वर्ष के परिणामों के आधार पर राज्य बीज उप समिति द्वारा प्रदेश हेतु विमोचन किये जाने हेतु निर्णय लिया जाता है। इस क्रम में वैज्ञानिकों द्वारा विकसित की गई विभिन्न फसल प्रजातियों के विमोचन प्रस्ताव समिति के सम्मुख प्रस्तुत किये। जिस पर समिति द्वारा निम्नानुसार निर्णय लिया गया–

1–मडुवा VL-380 – प्रजाति पर्वतीय क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 18.77 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति VL-324 के सापेक्ष 34.071 प्रतिशत अधिक तथा PRM-1-1 के सापेक्ष 46.890 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व अल्मोड़ा में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 15.75 कु0/है0 है जो कि SVT के सापेक्ष 56.450 प्रतिशत कम रही तथा चैक प्रजाति VL-324 के सापेक्ष 12.476 प्रतिशत अधिक तथा PRM-1-1 के सापेक्ष 23.230 प्रतिशत अधिक पाई गई। वी0एल0 380 ग्रीवा व अंगुली प्रध्वंश रोग के लिए मध्यम प्रतिरोधी है। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

2–चौलाई VL-101 – प्रजाति पर्वतीय क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 10.39 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति VL-44 के सापेक्ष 17.934 प्रतिशत अधिक तथा PRA-01 के सापेक्ष 65.446 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व अल्मोड़ा में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 6.15 कु0/है0 है जो कि SVT के सापेक्ष 68.943 प्रतिशत कम रही तथा चैक प्रजाति VL-44 के सापेक्ष 30.193 प्रतिशत कम तथा PRA-01 के सापेक्ष 2.070 प्रतिशत कम पाई गई। वी0एल0 चुआ एक अगेती किस्म है, इसकी परिपवक्वता 112 दिन है। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

3– भट्ट VL-202 – प्रजाति पर्वतीय क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 15.96 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति VLS-63 के सापेक्ष 4.274 प्रतिशत अधिक तथा PS-1092 के सापेक्ष 34.073 प्रतिशत अधिक VLB-65 के सापेक्ष 11.744 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व अल्मोड़ा में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 28.80 कु0/है0 है जो कि SVT के सापेक्ष 44.597 प्रतिशत अधिक रही तथा चैक प्रजाति VLS-63 के सापेक्ष 88.211 प्रतिशत अधिक तथा PS-1092 के सापेक्ष 141.996 प्रतिशत अधिक VLB-65 के सापेक्ष 145.232 प्रतिशत अधिक पाई गई। यह प्रजाति फ्राग आई लीफ स्पाट हेतु उच्च प्रतिरोधी तथा फलीदाह हेतु मध्यम प्रतिरोधी है। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

9– पीली सरसों PYS 2012-06(Pant Girja) – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 9.54 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति PPS-1 के सापेक्ष 20.15 अधिक तथा B-09 के सापेक्ष 16.06 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 11.4 कु0/है0 है जो कि SVT के सापेक्ष 16.316 प्रतिशत अधिक रही तथा चैक प्रजाति PPS-1 के सापेक्ष 38.383 अधिक तथा B-09 के सापेक्ष 35.087 प्रतिशत अधिक पाई गई। प्रजाति झुलसा एवं जीवाणुरोधी है। अतः समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

10–गेहूँ सिंचित UP-2844 मैदानी (देर से बुवाई) – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 42.037 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति UP2565 के सापेक्ष 5.303 तथा UP-2526 के सापेक्ष 13.521 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल मैदानी व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 41.63 कु0/है0 है। इसमें प्रोटीन की मात्रा 11.7 से 13.5 प्रतिशत तक पाई गई। प्रजाति गेरुई रोग के प्रति प्रतिरोधक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

11–गेहूँ सिंचित UP-2855 मैदानी – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 52.52 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति UP-2338 के सापेक्ष 15.913 तथा PBW-550 के सापेक्ष 12.83 प्रतिशत तथा UP-2628 के सापेक्ष 39.644 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल के मैदानी क्षेत्र व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया, कृषक स्तर पर इसकी उत्पादन क्षमता 54.63 कु0/है0 है जो कि SVT के सापेक्ष 3.862 प्रतिशत अधिक रही तथा चैक प्रजाति UP-2338 के सापेक्ष 20.569 तथा PBW-550 के सापेक्ष 34.723 प्रतिशत तथा UP-2628 के सापेक्ष 45.524 प्रतिशत अधिक पाई गई। प्रजाति गेरुई रोग के प्रति प्रतिरोधक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

12– गेहूँ सिंचित UP-2865 – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 45.82 कु0/है0 है। प्रजाति की उत्पादन क्षमता नवीन चैक प्रजाति PBW-590 के सापेक्ष 24.816 प्रतिशत अधिक व UP-2526 के सापेक्ष 23.738 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल मैदानी क्षेत्र व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 37.53 कु0/है0 है। इसमें प्रोटीन की मात्रा 12.5 प्रतिशत पाई गई। प्रजाति गेरुई रोग के प्रति प्रतिरोधक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

13–मूँग PM-09-11 – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 9.633 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति Pant Moong -05 के सापेक्ष 10.559 प्रतिशत अधिक तथा Pant Moong -04 के सापेक्ष 16.552 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 13.83 कु0/है0 है जो कि SVT के सापेक्ष 30.347 प्रतिशत अधिक रही तथा चैक प्रजाति Pant Moong -05 के सापेक्ष 58.728 प्रतिशत अधिक तथा Pant Moong -04 के सापेक्ष 67.332 प्रतिशत अधिक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

PU-10-16 – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 9.53 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति PU-40 के सापेक्ष 14.269 अधिक तथा PU-31 के सापेक्ष 26.225 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 8.5 कु0/है0 है जो कि SVT के सापेक्ष 12.118 प्रतिशत कम रही तथा चैक प्रजाति PU-40 के सापेक्ष 1.918 अधिक तथा PU-31 के सापेक्ष 12.583 प्रतिशत अधिक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

15–उर्द PU-11-14 – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 10.75 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति PU-40 के सापेक्ष 28.89 प्रतिशत अधिक तथा PU-31 के सापेक्ष 42.38 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 9.00 कु0/है0 है जो कि SVT के सापेक्ष 23.667 प्रतिशत कम रही तथा चैक प्रजाति PU-40 के सापेक्ष 7.914 प्रतिशत अधिक तथा PU-31 के सापेक्ष 19.205 प्रतिशत अधिक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

16–उर्द PU-11-25 – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 11.13 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति PU-40 के सापेक्ष 27.457 प्रतिशत अधिक तथा PU-31 के सापेक्ष 32.856 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 17.83 कु0/है0 है जो कि SVT के सापेक्ष 39.131 प्रतिशत अधिक रही तथा चैक प्रजाति PU-40 के सापेक्ष 109.395 प्रतिशत अधिक तथा PU-31 के सापेक्ष 118.264 प्रतिशत अधिक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

17–अरहर PA-406 – प्रजाति पर्वतीय क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 10.53 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति PA-291 के सापेक्ष 12.862 प्रतिशत अधिक तथा UPAS-120 के सापेक्ष 25.045 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व अल्मोड़ा में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 11.83 कु0/है0 है जो कि SVT के सापेक्ष 10.73 प्रतिशत अधिक रही तथा चैक प्रजाति PA-291 के सापेक्ष 26.474 प्रतिशत अधिक तथा UPAS-120 के सापेक्ष 40.126 प्रतिशत अधिक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

18–अरहर PA-414 – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 13.833 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति PA-291 के सापेक्ष 32.158 प्रतिशत अधिक तथा UPAS-120 के सापेक्ष 21.459 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 14.00 कु0/है0 है जो कि SVT के सापेक्ष 1.193 प्रतिशत अधिक रही तथा चैक प्रजाति PA-291 के सापेक्ष 33.754 प्रतिशत अधिक तथा UPAS-120 के सापेक्ष 22.926 प्रतिशत अधिक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

19–मटर Pant P-195 – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 14.796 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति Pant P-14 के सापेक्ष 19.457 तथा Pant P-42 के सापेक्ष 23.837 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल, व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 19.40 कु0/है0 है जो कि SVT के सापेक्ष 23.732 प्रतिशत अधिक रही तथा चैक प्रजाति Pant P-14 के सापेक्ष 56.628 तथा Pant P-42 के सापेक्ष 62.370 प्रतिशत अधिक पाई गई। प्रजाति गेरुई व पाउडरी मिलड्यू के प्रति प्रतिरोधक पाई गई। अतः समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

20–मटर Pant P-200– प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 13.556 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति Pant P-14 के सापेक्ष 9.446 अधिक तथा Pant P-42 के सापेक्ष 13.458 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल, व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 22.03 कु0/है0 है जो कि SVT के सापेक्ष 38.466 प्रतिशत अधिक रही तथा चैक प्रजाति Pant P-14 के सापेक्ष 77.862 अधिक तथा Pant P-42 के सापेक्ष 84.382 प्रतिशत अधिक पाई गई। अतः समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

21–चना Pant G-119 – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 14.31 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति PG-186 के सापेक्ष 21.271 अधिक तथा PG-256 के सापेक्ष 47.983 प्रतिशत अधिक व द्विवर्षीय चैक KABULI के सापेक्ष 34.652 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 21.67 कु0/है0 है जो कि SVT के सापेक्ष 33.964 प्रतिशत अधिक रही तथा चैक प्रजाति PG-186 के सापेक्ष 83.644 अधिक तथा PG-256 के सापेक्ष 124.095 प्रतिशत अधिक व द्विवर्षीय चैक KABULI के सापेक्ष 88.763 प्रतिशत अधिक पाई गई। अतः समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

22–मसूर PL-141 (मैदानी)– प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 12.202 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति PL-406 के सापेक्ष 15.222 तथा PL-63 के सापेक्ष 22.461 तथा PL-05 के सापेक्ष 20.051 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल, व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 17.67 कु0/है0 है जो कि SVT के सापेक्ष 30.945 प्रतिशत अधिक रही तथा चैक प्रजाति PL-406 के सापेक्ष 66.856 तथा PL-63 के सापेक्ष 77.338 तथा PL-05 के सापेक्ष 73.849 प्रतिशत अधिक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

23–मसूर PL-164 (मैदानी)– प्रजाति पर्वतीय क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 11.33 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति PL-406 के सापेक्ष 11.56 प्रतिशत अधिक तथा PL-063 के सापेक्ष 9.776 प्रतिशत अधिक तथा PL-05 के सापेक्ष 62.205 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल, व उधमाहिनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 14.23 कु0/है0 है जो कि SVT के सापेक्ष 20.379 प्रतिशत अधिक रही। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

...ी रोपाई मैदानी **UPR-2760-10-1-2(Pant Dhan-22)** – प्रजाति मैदानी क्षेत्रों के ... पाई गई। इसकी उत्पादन क्षमता 49.12 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक ... Govind के सापेक्ष 24.197 प्रतिशत अधिक Pant-12 के सापेक्ष 20.215 प्रतिशत अधिक पाई ... प्रजाति का जनपद उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर ...सकी उत्पादन क्षमता वर्ष 2014 में 26.1 कु0/है0 जो कि SVT के सापेक्ष 88.199 प्रतिशत कम रही ...ा वर्ष 2015 में 61.75 कु0/है0 है जो कि SVT के सापेक्ष 20.453 प्रतिशत अधिक रही व वर्ष 2015 ...चैक प्रजाति Govind के सापेक्ष 56.131 प्रतिशत अधिक Pant-12 के सापेक्ष 51.126 प्रतिशत अधिक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

25– धान मध्यम रोपाई मैदानी **UPR-3667-2-1-2(Pant Dhan-28)** – प्रजाति मैदानी क्षेत्रों के लिए उपयुक्त पाई गई। इसकी उत्पादन क्षमता 56.62 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति Pant Dhan-4 के सापेक्ष 14.941 प्रतिशत अधिक Pant-12 के सापेक्ष 21.633 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 100.00 कु0/है0 है जो कि SVT के सापेक्ष 43.380 प्रतिशत अधिक रही तथा चैक प्रजाति Pant Dhan-4 के सापेक्ष 103.004 प्रतिशत अधिक Pant-12 के सापेक्ष 114.823 प्रतिशत अधिक पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

26– पन्त चरी–9 **UTMC-539** – इसकी कुल (प्रथम एवं द्वितीय) उत्पादन क्षमता 927.29 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति Pant Chari-6 के सापेक्ष 18.407 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 600.00 कु0/है0 है जो कि SVT के सापेक्ष 54.548 प्रतिशत कम रही तथा चैक प्रजाति Pant Chari-6 के सापेक्ष 23.385 प्रतिशत कम पाई गई। शुष्क चारा उत्पादन चैक प्रजाति Pant Chari-6 के सापेक्ष 20.379 प्रतिशत अधिक पाई गई। इस प्रजाति में चेक प्रजाति की तुलना में उच्च प्रोटीन चारे की पचकता एवं पत्ती के रोगों तथा तना मक्खी के लिए प्रतिरोधकता पाई गई है। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

27–**Pant Chari-10 ज्वार मल्टीकट UTMC-552 Green** – इसकी उत्पादन क्षमता प्रथम कटान में 433.08 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति Pant Chari-6 के सापेक्ष 16.001 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 176.67 कु0/है0 है जो कि SVT के सापेक्ष 145.135 प्रतिशत कम रही तथा चैक प्रजाति Pant Chari-6 के सापेक्ष 52.679 प्रतिशत कम पाई गई। प्रजाति पन्त चरी–10 के चारे में उच्च प्रोटीन कम हाइड्रोसाइनेक अम्ल की मात्रा तथा पत्तियों के रोगों के लिए प्रतिरोधक्ता तथा तना मक्खी के लिए सहिषुणता पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

28–**Pant Chari-11 ज्वार मल्टीकट UTMC-554 Green** – इसकी उत्पादन क्षमता प्रथम कटान में 475.33 कु0/है0 है। प्रजाति की उत्पादन क्षमता चैक प्रजाति Pant Chari-6 के सापेक्ष 27.318 प्रतिशत अधिक पाई गई। इस प्रजाति का जनपद नैनीताल व उधमसिंहनगर में कृषकों के प्रक्षेत्र पर भी परीक्षण किया गया कृषक स्तर पर इसकी उत्पादन क्षमता 175.67 कु0/है0 है जो कि SVT के सापेक्ष 170.581 प्रतिशत कम रही तथा चैक प्रजाति Pant Chari-6 के सापेक्ष 52.946 प्रतिशत 52.946 पाई

प्रजाति पन्त चरी–11 के चारें में उच्च प्रोटीन कम हाइड्रोसाइनेक अम्ल की मात्रा तथा पत्तियों के रोगों के लिए प्रतिरोधक्ता तथा तना मक्खी के लिए सहिष्णुता पाई गई। प्रजाति की अधिक उत्पादन क्षमता को देखते हुए समिति द्वारा प्रजाति को विमोचित करने का निर्णय लिया गया।

अन्त में बैठक का समापन करते हुए अध्यक्ष राज्य बीज उप समिति द्वारा वैज्ञानिकों से अनुरोध किया गया कि वे प्रदेश हेतु सूखे की स्थिति तथा बदलते हुए पर्यावरण/जलवायु के अनुरुप भी प्रजातियॉ विकसित करें।

(डॉ0 राम बिलास यादव)
अपर सचिव कृषि
उत्तराखण्ड

(डा0 राम बिलास यादव)
अपर सचिव, कृषि विभाग,
उत्तराखण्ड शासन।

उत्तराखण्ड शासन
कृषि एवं कृषि विपणन अनुभाग–1

पत्रांक– 9365 देहरादून, दिनांक 20 मार्च 2018

प्रतिलिपि :– निम्न को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित ।

1. निदेशक, विवेकानन्द पर्वतीय कृषि अनुसंधान संस्थान, अल्मोड़ा।
2. निदेशक, उत्तराखण्ड राज्य बीज एवं जैविक उत्पाद प्रमाणीकरण संस्था, देहरादून।
3. निदेशक, शोध, गो0ब0पन्त कृषि एवं प्रौद्योगिक विश्वविद्यालय, पन्तनगर।
4. निदेशक, कृषि , कृषि निदेशालय उत्तराखण्ड देहरादून।
5. निदेशक, उत्तराखण्ड राज्य बीज एवं जैविक उत्पाद प्रमाणीकरण संस्था, देहरादून।
6. श्री लखबीर सिंह पुत्र श्री गुरमेर सिंह, न्याय पंचायत कल्याण नगर, सितारगंज ऊधमसिंहनगर (बीज उत्पादक)।
7. श्री जगदेव सिंह पुत्र श्री दर्शन सिंह, न्याय पंचायत जोगीपुरा, रामनगर नैनीताल। (बीज उत्पादक)।
8. श्री राजकुमार पुत्र श्री बृजनाथ, खटीमा जनपद ऊधमसिंहनगर (किसान)।
9. श्री उमेशचन्द्र पाण्डे पुत्र श्री रमेश चन्द्र पाण्डे, कालाढूंगी, जनपद–नैनीताल (किसान)।
10. श्री गौरव गोयल पुत्र श्री जयभगवान गोयल, न्याय पंचायत, खड़कपुर देवीपुरा काशीपुर। (बीज व्यवसायी)।
11. क्षेत्रीय प्रबन्धक, राष्ट्रीय बीज निगम, लखनऊ।
12. सहायक निदेशक, सम्भागीय कृषि परीक्षण एवं प्रदर्शन केन्द्र, हल्द्वानी, नैनीताल, उत्तराखण्ड।
13. सह–संयोजक, राज्य बीज उप समिति/संयुक्त कृषि निदेशक (क्यू0सी0) कृषि निदेशालय, उत्तराखण्ड, देहरादून।
14. उपायुक्त (गुणवत्ता नियंत्रण), भारत सरकार, कृषि मंत्रालय (कृषि एवं सहकारिता विभाग) नई दिल्ली।
15. सचिव केन्द्रीय बीज समिति, भारत सरकार, कृषि मंत्रालय, (कृषि एवं सहकारिता विभाग) शास्त्री भवन , नई दिल्ली।

अपर सचिव कृषि
उत्तराखण्ड

(डा0 राम बिलास यादव)
अपर सचिव, कृषि विभाग,
उत्तराखण्ड शासन।

R.K. Panwar
Professor
Genetics and Plant Breeding
College of Agriculture
G.B.P.U.A.&T., Pantnagar

Proceedings of Variety Identification Committee Meeting

Variety Identification Committee meeting was held on April 28, 2018 under the chairmanship of Dr. Dr. P.K. Chakrabarty, ADG (O&P), ICAR, New Delhi in the committee room of Prof. V R Mehta, Auditorium, SDAU, S. K. Nagar. The following members were present during meeting:

1.	Dr. P.K. Chakrabarty, ADG (PP&B and O&P), ICAR, New Delhi	Chairman
2.	Dr. A.M. Patel, Director Research & Dean, SDAU, S.K. Nagar	Member
3.	Dr. G.K: Saxena, Principal, College of Renewable Energy and Environmental Engineering, SDAU, SK Nagar	Member
4.	Dr. N.K. Sepat, Production Officer, NSC, Idar, Gujarat	Member
5.	Dr. I.S. Halakude, Research Coordinator, Nirmal Seeds Pvt. Ltd. Pachora, Jalgaon, MS	Member
6.	Dr. R.M. Chauhan, RS (Seed) and Nodal Officer (BSP)	Resource Person
7.	Dr. S.L. Godara, Prof. Plant Pathology, SKRAU, Bikaner, Rajasthan	Resource Person
8.	Dr. P.K. Singh, Chief Scientist Entomology, BAU, Kanke, Ranchi	Resource Person
9.	Dr. Shiv Sewak, Nodal Officer, AINP on Arid Legumes	Member Secretary

A total of three identification proposals (one each of mungbean, urdbean aand horsegram) were submitted before the committee. All the proposals were thoroughly examined by the committee and decisions were taken as under:

Horsegram

Bilasa Kulthi (BSP 15-1): The proposal was submitted before committee for identification of the variety for rainfed cultivation in North Zone comprising the states of Chhattisgarh, Maharashtra, Jharkhand & Gujarat. The variety showed 14.58 % yield superiority over the best check CRHG-19 of South Zone and 21.8% yield superiority over best check of North Zone VLG-15. Hence, horsegram variety BSP 15-1 (Bilasa Kulthi) is identified for release in North Zone.

Urdbean

Pant Urd 10 (PU 10-23): The proposal of urdbean variety Pant Urd 10 (PU 10-23) was submitted for identification for North Hill Zone. The variety has shown yield superiority of 10.52% over the best check Pant Urd 31. The variety has also shown resistance against yellow mosaic disease. Hence, the variety is identified for release in North Hill Zone comprising the states of J&K, Himanchal Pradesh, Tripura and Manipur.

Animal Breed Registration

Certificate

It is certified that Uttara breed of Chicken

applied by Dr Shive Kumar, Prof., LPM; Dr D. Kumar, Prof. & Head, AGB; Dr R.K. Sharma, Prof. & Head, LPM and Dr Anil Kumar, Asstt. Prof., LPM, G.B.P.U.A. & T., Pantnagar (Uttarakhand) has been registered by Breed Registration Committee of Indian Council of Agricultural Research (ICAR) on September 5, 2018 with the Accession Number INDIA_CHICKEN_2400_UTTARA_12019

Director
ICAR-NBAGR

Dy Director General (AS)
ICAR

Director General
ICAR

45.	गेहूं	पूसा यशसवी (एचडी 3226)	पंजाब, हरियाणा, दिल्ली, राजस्थान (कोटा और उदयपुर प्रभाग को छोड़कर), उत्तर प्रदेश (झांसी प्रभाग को छोड़कर), जम्मू और कश्मीर का जम्मू और कथुआ जिला, हिमाचल प्रदेश का पोंटा घाटी और ऊना जिला और उत्तराखंड।
46.	गेहूं	कर्ण वंदना (डीबीडब्ल्यू187)	पूर्वी उत्तर प्रदेश, बिहार, झारखंड, पश्चिमी बंगाल (पहाड़ी क्षेत्र को छोड़कर), ओडिशा, असम और अरुणाचल प्रदेश, मणिपुर, मेघालय, मिजोरम,नागालैंड,सिक्किम और त्रिपुरा के मैदानी क्षेत्र।
47.	गेहूं	छत्तीसगढ़ अम्बर गेहूं (सीजी 1018)	छत्तीसगढ़।
48.	गेहूं	जम्मू गेहूं 584 (जेडब्ल्यू 584)	जम्मू।
49.	गेहूं	वीएल गेहूं 967 (वीएल 967)	उत्तराखंड।
50.	गेहूं	वीएल गेहूं 3004 (वीएल 3004)	उत्तराखंड।
51.	गेहूं	वीएल गेहूं 2014 (वीएल 2014)	उत्तराखंड।
52.	गेहूं	उन्नत पीबीडब्ल्यू 550	पंजाब।
53.	गेहूं	यूपी 2844	उत्तराखंड।
54.	गेहूं	यूपी 2855	उत्तराखंड।
55.	गेहूं	यूपी 2865	उत्तराखंड।
56.	जौ	वीएलबी 130	उत्तराखंड।
57.	मक्का	जेएमसी-3 (पीएमएसवाई 3)	जम्मू।
58.	मक्का	पीएसी 751	उत्तर प्रदेश।
59.	मक्का	जवाहर मक्का 218	मध्य प्रदेश।
60.	मक्का (संकर)	पूसा जवाहर संकर मक्का-1	मध्य प्रदेश।
61.	मक्का	गुजरात आनंद पीला मक्का संकर 3 (जीएबाईएमएच 3) (जीबाईएच-0363)	गुजरात।
62.	मक्का	एडीवी 762 (एडीवी 7022)	कर्नाटक, आन्ध्र प्रदेश, तेलंगाना, महाराष्ट्र और तमिलनाडु।

Annexure B.3-3

Funds received through external competitive grants (excluding ICAR development and KVK and AICRP) (Projects running during 2018):

S.N.	Project	PI	Funding Agency	Total Budget (lacs)	Budget Received for 2018-19 (lacs)
1.	NABARD-Chair Professor Scheme	Dr. A.S.Nain	NABARD	81.00	28.18
2.	Sustainable Marginal and Small Farmers by Enhancing Farm Income under Changing Environment	Dr. A.S. Nain	NABARD	9.50	9.50
3.	Introduction of improved '60'day cowpea varieties as a niche crops in cereal based cropping system for enhanced food security, family nutrition and poverty reduction in India	Dr. Y.V. Singh	CIAT,CALI Columbia	78.66	33.05
4.	Potash for life for improving productivity and profitability of crops in India	Dr. H.N. Singh	Dead Sea Works Ltd.	22.94	5.87
5.	Improved Crop Management and strengthened seed supply system for drought prone rainfed lowlands in South Asia	Dr. A.K.Sharma	IRRI	6.49	5.37
6.	Mapping the adoption of improved varieties of major crops and management practices in Uttar Pradesh (UP) and Uttarakhand (UK)	Dr. H.N. Singh	International Food Policy Research Institute	57.24	20.28
7.	Effect of Polyhalite (poly-4)on Indian mustard maize cropping systems in tarai of uttarakhand	Dr. B.S. Mahapatra	Sirus Minerals Rajasthan	26.67	21.91
8.	Development of heat tolerant, high yielding and climate resilient wheat cultivars by utilizing genomics, molecular and physiological information and resources	Dr. J.P. Jaiswal	USAID and DBT/BIRAC	103.90	29.47
9.	Innovative technology interventions for improving productivity and production of rapeseed-mustard crops in the state of Uttarakhand	Dr. B.S. Mahapatra	Ministry of Agriculture, Cooperation & Farmers Welfare, Oilseed Division	14.00	4.48
10.	Metabolic engineering of plants for development of stress tolerance phenotype of D. radiodurans	Dr. N.K. Singh	BRNS, (DAE),BARC	32.18	15.69
11.	Pyramiding of Rust Resistance Genes into High Grain Quality Wheat Lines Development Through Marker-assisted Selection	Dr. J.P. Jaiswal	Ministry of Science & Tech.	27.29	9.80
12.	Health promoting Food and Feed Micro-Algal Omega-3 Fatty Acids, Pigments, and Bioactive Peptides Produced on Food Industry Side Streams (ALGOMEG)	Dr. Anil Kumar Sharma	DBT	102.61	12.16

13.	Morphometry and Phylogeography of Honey bees and Stingless bees in India Phase-II.	Dr. M.S. Khan	Ministry of Science & Tech., Govt. of India	15.63	4.33
14.	Field evaluation of Trombay Mutants and selections and research activities in agriculture	Dr. J.P. Jaiswal	BARC, Mumbai	50.0	10.0
15.	Developing genetics and genomics interface to develop strategies for sustainable use of resistance to white rust in oilseed mustard (*Brassica Juncea*)	Dr. A.K. Tewari	Ministry of Science & Technology (DBT)	52.29	5.92
16.	Understanding the basic mechanism for the regulation of helicase gene in rice (*Oryza sativa* L) influenced through the application of ACC deaminase producing rhizobacteria under drought condition	Dr. Rashmi Srivastava & Dr. A.K. Sharma	UGC	28.55	7.00
17.	Study on genetic variability of pentatomid predators thriving different crop ecosystems of Kumaon region of Uttarakhand	Dr. R.P. Maurya	Science & Engg. Res. Board (SERB)	22.88	6.86
18.	Transcriptomics and Proteomics approaches for identification of calcium binding proteins of finger millet (*Eleusine coracana*) for proving their role in sequestering of grain calcium and nutraceutical properties	Dr. Manoj Singh	Science & Engg. Res. Board (SERB)	36.80	7.50
19.	Transcriptome wide characterization of Dof transecription factor gene family expressed in leaf and developing sipkes of finger millet for defining their role in accumulation of seed storage proteins	Dr. Supriya Gupta	Science & Engg. Res. Board (SERB)	39.55	9.00
20.	Marker assisted pyramiding of APR and seedling resistance genes for durable rust resistance in wheat (*Triticum aestivum* L.)	Dr. J.P. Jaiswal	DBT	70.37	7.46
21.	Collection, evaluation and conservation of native crops germplasm from Uttarakhand hill and pre-breeding through community participation	Dr. A.S. Jeena	GBPIHED under NMHS	50.53	10.21
22.	Assessment of Heavy Metal Pollution in Yamuna Riverine Ecosystem in Delhi Region	Dr. Vir Singh	UGC	14.62	4.87
23.	Recombinant penton base and fiber proteins of inclusion body hepatitis-hydropericardium syndrome virus of poultry: Production and testing of immune-potential	Dr. Rajesh Kumar	DBT	36.58	4.42
24.	Nuclear data and neutronics study for materials of interest in fusion reactor technology	Dr. Bhawna Pandey	BRNS, Deptt. of Atomic Energy (DAE)	25.43	5.10
25.	Nuclear data for fusion reactors	Dr. Bhawna Pandey	Science & Engg. Res. Board, (SERB)	15.79	4.50
26.	Study of Swift Heavy Ion Irradiation induced effects in graphitic nanocomposites and thin films	Dr. R.C. Srivastava	Inter-University Accelerator Centre (IUAC) New Delhi	6.75	2.00
27.	Establishment of Rural bio-resource Complex	Dr. D.K. Singh	DBT	20.30	6.69

	for ecologically sustainable utilization for the economic empowerment of Himalayan region community				
28.	De Novo Genome Sequencing of Karnal Bunt (Tilletia Indica) Pathogen of wheat: Characterization of pathogenecity genes/proteins for development of diagnostics	Dr. Dinesh Pandey	DBT, New Delhi	64.00	13.47
29.	Promotion of Polyhouse Vegetable Production Technology for livelihood security in Champawat and Pithoragarh border district of Uttarakhand	Dr. D.K. Singh	DST, New Delhi	55.54	11.00
30.	Empowering farming communities for conservation of plant genetic wealth of Uttarakhand through community participation, protection of landraces and farmers varieties and benefit sharing	Dr. A.S. Jeena	DST, New Delhi	34.17	9.63
31.	Conservation of Biodiversity and bio-farming oriented rural livelihood through biotechnological approach-based micro-enterprising among SC/ST farmers to promote Eco-friendly Rural Villages' in Udham Singh Nagar Distt. Of Uttarakhand	Dr. K.P. Singh	DST, New Delhi	12.02	4.00
32.	Integrated Beedeeping Development Centre (IBCD)/Center of Excellence (COE) at GBPUAT, Pantnagar and KVK, Khakrani as Satellite Center	Dr. Pramod Mall	Ministry of Agriculture & Farmers Welfare, Govt. of India	151.50	75.75
33.	Unnat Bharat Abhiyan (UBA)	Dr. K.S. Shekhar	IIT New Delhi	3.50	1.75
34.	Evaluation of immune-stimulant properties of herbal formulations	Dr. A.H. Ahmad	DRDO DIBER	7.00	3.5
35.	Copper Chitosan and *Trichoderma synergy* for effective and safe plant protection in vegetables	Dr. Nandani Shukla / Dr. J. Kumar	DST New Delhi	25.42	7.00
36.	Modulation of the root architecture for making the climate resilient and biofortified rice through different modes of the applications of nono-zinc particles	Dr. Dinesh Pandey	IRRI-STRASA	6.00	4.73
37.	Insolation and studies on brassica calreticulin to reveal it's particular domain possessing antiozidative role and exploration of its proper mechanism in mitigating the oxidative stress	Dr. Rini Joshi	DST	32.15	13.10
38.	Development of Liquid Crystal based soft Magnetoelectrics for Multifunctional Optical Devices	Dr. Pooja Goel	DBT	85.00	1.65
39.	A study on prospects of Apple cultivation in Uttarakashi district of Uttarakhand	Dr. Shivendra K. Kashyap	Indo-Dutch Horticulture Technologies	6.43	6.00
40.	Demonstration, Training and Distribution of Post Harvest Technology and Management (PHTM)	Dr. Khand Chand	Ministry of Agril. & farmers Welfare	35.00	35.00
41.	Promotion and Strengthening of Agricultural Mechanization through Training, Testing and Demonstration	Dr. Jayant Singh	Ministry of Agril. & farmers	23.20	23.20

			Welfare		
42.	Production of Growing Medium of Button Mushroom Through New Invented Semi-Automatic Portable Composting Structure at the Door of Beneficiaries (Women ST/SC Community People) of Uttarakhand Hills	Dr. S.K. Mishra	NMHS	39.73	21.23
43.	Biomanipulation of Lake Naukuchiatal for ecosystem restoration	Dr. I.J. Singh	Deptt. of Tourism Govt. of UK	98.60	15.00
44.	Monitoring and Management of restored ecosystem of Lake Nainital through Biomanipulation practices for its sustainability	Dr. I.J. Singh	Nainital Lake Development Authority, Nainital	8.00	4.00
45.	Dissemination of improved horticultural technologies for livelihood security for the farmers of Uttarakhand	Dr. D.K. Singh	IFAD-ILSP UGVS Dehradun	57.83	2.69
46.	Effect of Bisphenol A on the hepato-renal functions in breast fed and plastic bottle fed infants of Kumaon region	Dr. A.H. Ahmad	Govt. of Uttarakhand	5.18	0.90
47.	Metagenomic approach to assess the impact of some common agri-usable nanoparticles on soil health in agricultural practices	Dr. Anita Sharma	Govt. of Uttarakhand	5.94	2.50
48.	Development of standard pachytene karyotypes of pigeonpea using bacterial artificial chromosome fluorescence in sity hybridization (BAC-FISH)	Dr. Sundip Kumar MBGE	DBT, Uttarakhand	12. 00	6.00
49.	Assessment of economic losses to farmers of Uttarakhand due to poultry coccidiosis subjected to different therapeutic regimen	Dr. Prakash Bhatt	Govt. of Uttarakhand	15.60	6.65
50.	Assessment of the bio resource base of the selected area in view of constantly changing components of bio resources including due to climate change	Dr. R.K. Srivastava	Govt. of Uttarakhand	10.00	5.00
51.	Implementation of the Project entitled “Two line hybrid rice to improve the economy of hill agriculture	Dr. M.K. Nautiyal	UCOST	26.04	6.35
52.	Development and Standardization of mass production technology of generalist predator, eocanthecona furcellata for the management of major lepidopteran pest of different crops.	Dr. R.P. Maurya	UCOST	10.69	3.56
53.	Characterization processing and value additions of chicken protein concentrate.	Dr. P. Prabhaka-ran	UCOST	5.55	2.09
54.	Development of Natural Product from Plant Origin as potent bio-pesticide for plant Disease management	Dr. Rashmi Tewari	UCOST	12.34	4.55
55.	Pre-breeding for Genetic Enhancement of Indian (Brassica Juncea czern & coss)and Ethiopian Mustard Gene Pool	Dr.Usha Pant	ICAR	21.62	10.8
56.	Designing controlled release fertilizer utilizing agriwaste biochar	Dr. Sumit Chaturvedi	ICAR-NICRA	49.40	26.10
57.	Information Dissemination System(s) for Empowering Farming community of Uttarakhand	Dr. S.K. Kashyap, Agril. Communicatio n	ICAR-NASF	86.83	20.48
58.	Evaluating impact of Neonicotinoids on Pollinators	Dr. Pramod Mall	ICAR	28.62	17.49

59.	Creating a fully characterized genetic resource pipeline for mustard improvement programme in India	Dr. Usha Pant, GPB	ICAR-NASF	26.94	6.51
60.	Evaluation of textile articles, skills in rural women	Dr. Alka Goel	ICAR	0.69	0.69
61.	Science for women health and nutrition through Community Radio	Dr. S.K. Kashyap	DBT	14.60	4.31
62.	Gramin Krishi Mausam Sewa at Pantnagar	Dr. R.K. Singh	GKMS, DBT	7.96	7.96
63.	Precision Farming Development Centre	Dr. P.K. Singh	Ministry of Agriculture & Farmers Welfare, Govt. of India	31.00	31.00
64.	DST-FIST grant, Plant Physiology	PIG	DST	66	51
65.	DST-FIST grant, AAgronomy	PIG	DST	50	19.36
			Total (Rs.)	**2280.64**	**777.62**

Annexure B.3-4

If PME cell Established and functional

Yes, PME Cell is functional in the University under Directorate of Experiment Station looked after by Dr. S. N. Tiwari, Director Experiment Station. Dr. R.N. Pateriya, Joint Director is Over-all coordinator. It consists of Technology Management and Commercialization Cell, Project Management and Evaluation Cell and Administration Cell.

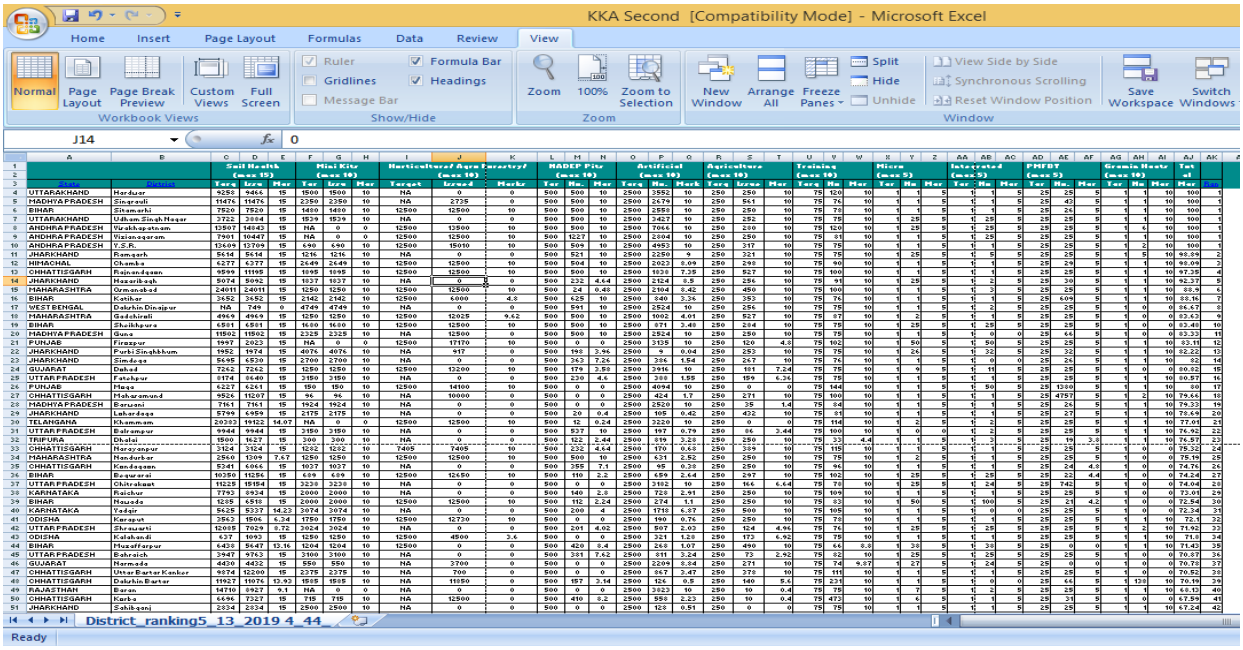
S.No.	Cell	Coordinator
1.	Technology Management and Commercialization Cell	Dr. Salil Kumar Tewari
2.	Project Management and Evaluation Cell	Dr. R.N. Pateria
3.	Administration Cell	Dr. S.B. Bhardwaj

Annexure C.1

KVK Awards during 2018

A. Zonal-level award

S.No.	Name of award	Source
1.	1st rank in Krishi Kalyan Abhiyan II, 2018 to KVK, Haridwar	ICAR website https://kvk.icar.gov.in/kka2_ranking.aspx
2.	1st rank in Krishi Kalyan Abhiyan II, 2018 to KVK, Kashipur	ICAR website https://kvk.icar.gov.in/kka2_ranking.aspx



(Source : https://kvk.icar.gov.in/kka2_ranking.aspx)

B. National-level Award

1.	First place (Maximum marks achiever) in Krishi Kalyan Abhiyan I, 2018 to KVK, Haridwar at National level. Special Appreciation Letter conferred by Director ATARI, Ludhiana for this achievement.	ICAR website https://kvk.icar.gov.in/kka_ranking_new.aspx?kk=1

Annexure C.2

Extension workers Award at State/ National Level (by Government Agency) during 2018

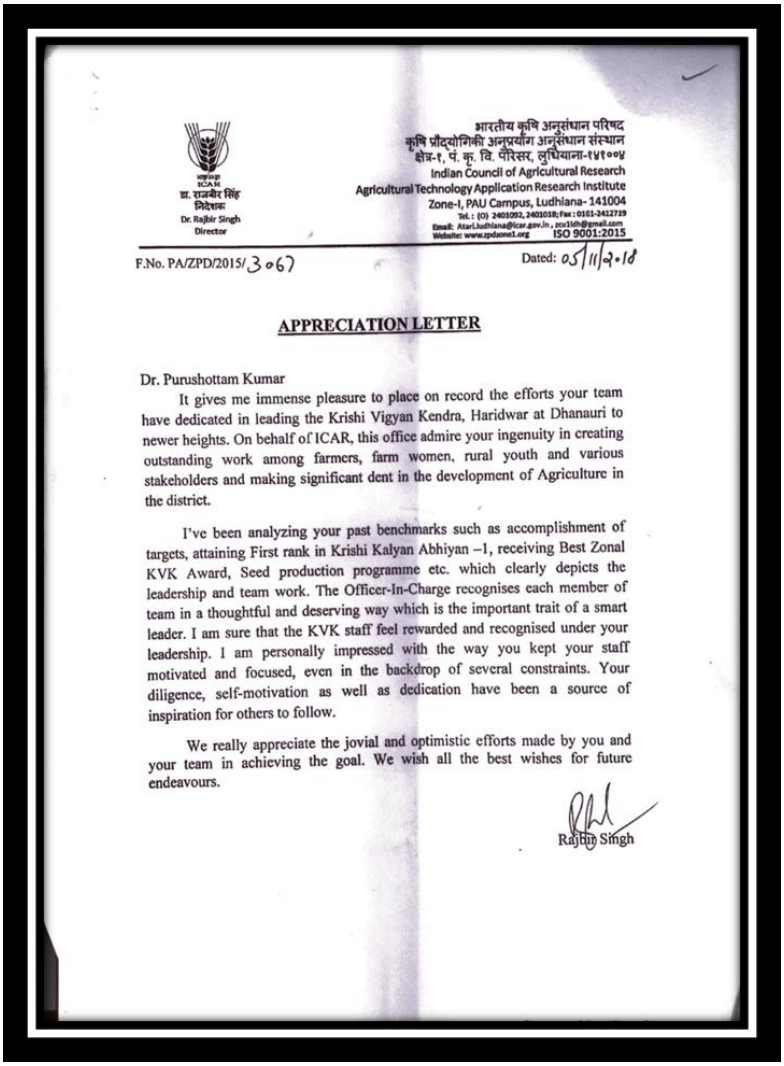
National Level

1. Special Recognition to Dr Purushottam Kumar, KVK, Haridwar for his outstanding accomplishments as Extension Scientist. Letter of Recognition by Director ATARI Dr Rajbir Singh was conferred on 5-11-2018. (Photo-1)

State level

1. Best Extension Worker Award conferred to Dr Purushottam Kumar, KVK, Haridwar by Uttarakhand Government on 15th August, 2018. (Photo-2)
2. KVK Scientist Award to Dr Shiv Kumar Sharma, SMS, Fishery Science, KVK Kashipur by SVWS and Baba Sahab Bheem Rao Ambedkar Central University, Lucknow. (Photo-3)
3. Appreciation Award to Dr. J. Kwatra, KVK, Pithoragarh by Rural Development Department, Government of Uttarakhand. (Photo4)

Photo-1



भारतीय कृषि अनुसंधान परिषद
कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान
क्षेत्र-१, पं. कृ. वि. परिसर, लुधियाना-१४१००४
Indian Council of Agricultural Research
Agricultural Technology Application Research Institute
Zone-I, PAU Campus, Ludhiana- 141004
Tel.: (0) 2401061, 2403038; Fax : 0161-2412719
Email: Atari.ludhiana@icar.gov.in , zcu1idh@gmail.com
Website: www.zpdone1.org ISO 9001:2015

डा. राजबीर सिंह
निदेशक
Dr. Rajbir Singh
Director

F.No. PA/ZPD/2015/3067 Dated: 05/11/2018

APPRECIATION LETTER

Dr. Purushottam Kumar

It gives me immense pleasure to place on record the efforts your team have dedicated in leading the Krishi Vigyan Kendra, Haridwar at Dhanauri to newer heights. On behalf of ICAR, this office admire your ingenuity in creating outstanding work among farmers, farm women, rural youth and various stakeholders and making significant dent in the development of Agriculture in the district.

I've been analyzing your past benchmarks such as accomplishment of targets, attaining First rank in Krishi Kalyan Abhiyan –1, receiving Best Zonal KVK Award, Seed production programme etc. which clearly depicts the leadership and team work. The Officer-In-Charge recognises each member of team in a thoughtful and deserving way which is the important trait of a smart leader. I am sure that the KVK staff feel rewarded and recognised under your leadership. I am personally impressed with the way you kept your staff motivated and focused, even in the backdrop of several constraints. Your diligence, self-motivation as well as dedication have been a source of inspiration for others to follow.

We really appreciate the jovial and optimistic efforts made by you and your team in achieving the goal. We wish all the best wishes for future endeavours.

Rajbir Singh

Photo-2 : Best Extension Worker award by Government of Uttarakhand

Photo-3 : KVK Scientist Award to Dr Shiv Kumar Sharma, SMS, Fishery Science, KVK Kashipur by SVWS and Baba Sahab Bheem Rao Ambedkar Central University, Lucknow.

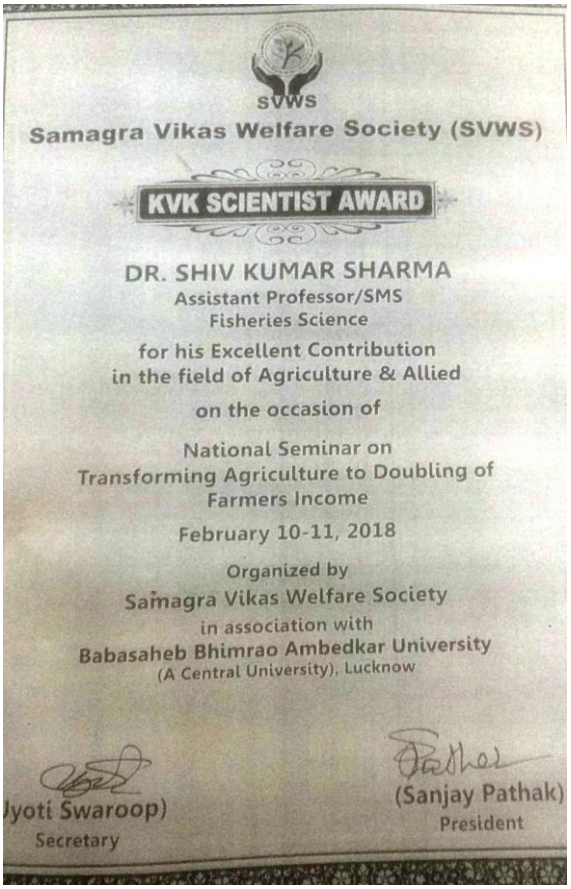


Photo -4 : Appreciation Award to Dr. J. Kwatra, KVK, Pithoragarh by Rural Development Department, Government of Uttarakhand.

उत्तराखण्ड ग्राम्य विकास समिति (UGVS)
(ग्राम्य विकास विभाग, उत्तराखण्ड शासन)

उत्तराखण्ड ग्राम्य विकास समिति (UGVS)

IFAD
Investing in rural people

एकीकृत आजीविका सहयोग परियोजना
(IFAD-ILSP)

पत्रांक : 1749 /02(9)/5.1/2018-19/ दिनांक : 19 नवंबर 2018

आभार पत्र

प्रमाणित किया जाता है कि **डॉ0 जीतेन्द्र क्वात्रा**, प्रभारी कृषि विज्ञान केन्द्र, गैना (ऐचोली) जनपद पिथौरागढ़ द्वारा वर्ष 2015–16 से एकीकृत आजीविका सहयोग परियोजना के अन्तर्गत जनपद पिथौरागढ़ गठित स्वयं सहायता समूहों एवं फैडरेशनों को सतत रूप से विभिन्न प्रशिक्षण, प्रदर्शन, नई कृषि विज्ञान तकनीकियों को किसानों तक पहुंचाने तथा तकनीकी सहयोग प्रदान किया गया। परियोजना के समूह सदस्यों की आजीविका संवर्द्धन के लक्ष्यों को प्राप्त करने में परियोजना को लगातार इनका सहयोग व मागदर्शन प्राप्त हुआ। जिसका परिणाम आज जनपद के किसानों की आजीविका में वृद्धि के साथ परिलक्षित हो रहा है।

एकीकृत आजीविका सहयोग परियोजना, पिथौरागढ़ **डॉ0 जीतेन्द्र क्वात्रा** को उनके सतत सहयोग एवं मार्गदर्शन के लिए उनका हृदय तल से आभार व्यक्त करते हुए उनके उज्जवल भविष्य की कामना के साथ उन्हें यह आभार पत्र प्रदान करती है।

प्रभागीय परियोजना प्रबंधक
एकीकृत आजीविका सहयोग परियोजना
प्रभागीय परियोजना प्रबंधन ईकाई, पिथौरागढ़।

प्रभागीय प्रबंधन इकाई कार्यालय, क0रौतेला भवन, निकट एन0सी0सी. ऑफिस, कैन्ट रोड़, तिलढुकरी, पिथौरागढ़। दूरभाष : 05964-223025

Annexure C.3

Quality input supplied by University (Seed, Semen, Planting material etc. during 2018)

Breeder seed production in year 2018 at Seed Production Centre, Pantnagar :

Crops	Production (q)
CEREAL CROPS	
Paddy	723.93
Maize	5.00
Wheat	5260.00
PULSE CROPS	
Gram	167.00
Pea	118.50
Lentil	149.00
Arhar	47.00
Moong	15.48
Urd	166.34
Grand Total	**6652.25**

Gmail

Edutechcell Pantnagar <edutechcell@gmail.com>

Regarding Ranking of Agricultural University for the year 2019.

1 message

Joint Director BSPC <jdbspc1@gmail.com> Wed, May 15, 2019 at 9:14 PM
To: edutechcell@gmail.com

Dear Sir,

In reference to your letter No. CAG/659 dated 11/13.05.2019. Which is concerned with breeder seed production at the breeder seed production centre.

The details of the breeder seed production are given below :

Crops	Production (q)
CEREAL CROPS	
Paddy	723.93
Maize	5.00
Wheat	5260.00
PULSE CROPS	
Gram	167.00
Pea	118.50
Lentil	149.00
Arhar	47.00
Moong	15.48
Urd	166.34
Grand Total	**6652.25**

Dr. P.S. Shukla
Joint Director
Seed Production Centre
GBPUA&T, Pantnagar-263145
Udham Singh Nagar, Uttarakhand
Mob.: 8475001523
Email : jdbspc1@gmail.com

Annexure C.5

Revenue generated through consultancies, certification, testing, tuition fee, and licensing, training, sale of inputs and commercialization of technologies during FY 2018-19.

Sl. No.	Total revenue generated	Total budget of university	Percentage
	50.56 crore	243.44 crores	20.76

Sl. No.	Revenue generated*	Amount in lakhs
1.	Consultancies	700.00
2.	Certification	0.67
3.	Testing	0.98
4.	Tuition fee	698.00
5.	Licensing	-
6.	Training	3.61
7.	Sale of inputs	12.34
8.	Commercialization of technologies	14.16
9.	Seed and Planting material etc.	3627.11
	Grand Total	**5056.87**

***** These details are to be duly certified and signed by the Comptroller of the University. The list should not include the funds received through external and competitive grants.

Signature of the Comptroller with seal

Annexure C-6

Number of inter-institutional collaborative projects obtained during 2018

1. Metabolic engineering of plants for development of stress tolerance phenotype of D. radiodurans with BRNS (DAE), BARC, Mumbai.
2. Modulation of the root architecture for making the climate resilient and biofortified rice through different modes of the applications of nano-zinc particles, with IRRI-STRASA
3. Development of heat tolerant, high yielding and climate resilient wheat cultivars by utilizing genomics, molecular and physiological information and resources, with USAID and DBT/BIRAC.
4. Introduction of improved '60'day cowpea varieties as a niche crop in cereal based cropping system for enhanced food security, family nutrition and poverty reduction in India with CIAT,CALI Columbia.
5. Stress tolerant rice for pear farmers in Africa and South Asia (STRASA) Phase 3 with IRRI, Phillipines.
6. NASF funded collaborative project on "Information Dissemination Systems for Empowering Farming Community of Uttarakhand", with VPKAS, Almorah.

DIRECTORATE OF EXPERIMENT STATION

No. DES/Adm./2393 Dated: Febrdary , 2018 March-05.

OFFICE ORDER

Vice-Chancellor has been pleased to approve the implementation of the following research project in the University.

1.	Name of the research project	Metabolic engineering of plants for development of stress tolerance phenotype of D. radiodurans. (Code-7086)		
2.	Funding agency	Government of India, DAE (BRNS), BARC, Mumbai		
3.	Sanction No.	No. 37(1)/14/13/2017-BRNS/37210 dated 29/12/2017		
4.	Duration of the project	Three years		
5.	Total budget	Rs. 34,32,350.00		
6.	Budget received	Rs. 15,69,500.00		
7.	Budget heads			
	Items of expenditure	Year I 2017-18	Year II 2018-19	Year III 2019-20
	Equipments	6,01,000.00	0	0
	Staff Salary-JRF(1)	3,00,000.00	3,00,000.00	0
	Staff Salary-SRF(1)	0	0	3,36,000.00
	Technical Assistant (Project Assistant)	96,000.00	1,08,000.00	1,20,000.00
	Consumables	3,45,000.00	3,85,000.00	1,60,000.00
	Traval	30,000.00	37,000.00	37,000.00
	Contingencies	94,600.00	38,500.00	16,000.00
	Overheads calculated @7.5%	1,02,900.00	62,250.00	48,975.00
	Total (INR)	15,69,500.00	9,30,750.00	7,17,975.00
8.	Name of Principal Investigator	Dr. Narendra Kumar Singh, Professor, Genetics & Plant Breeding, College of Agriculture		
9.	Name of Co-Investigator	Dr. Dinesh Pandey, Assistant Professor, Molecular Biology & Genetic Engineering, CBSH		
10.	Principal Collaborator	Dr. Hari S. Mishra, Head Molecular Genetics Section, BARC , Mumbai.		
11.	Budget controlling authority	Director, Experiment Station		

(S.N.Tiwari)
Director,
Experiment Station

Cc:
1. Dr. Narendra Kumar Singh, Professor, Genetics & Plant Breeding
2. Head, Deptt. of Genetics & Plant Breeding
3. Dean, College of Agriculture.
4. Deputy Comptroller, (ES)/C-2 alongwith file

DIRECTORATE OF EXPERIMENT STATION

No. DES/Adm./432 Dated: May 15, 2018

OFFICE ORDER

Vice-Chancellor has been pleased to approve the implementation of the following research project in the University.

1.	Name of the Project & Code No.	**Modulation of the root architecture for making the climate resilient and biofortified rice through different modes of the applications of nono-zinc particles. (Code No.-7089)**
2.	Funding agency	**IRRI-STRASA (Phase 3)**
3.	Sanction no.	IRRI Refrences: A-2013-97(DRPC 2013-104)/PLAID: C-2017-135/Amendment #1
4.	Duration of the project	April 2018-March 31, 2019
5.	Location of the project	G.B. Pant University of Agriculture & Technology, Pantnagar-263145
6.	Date of start of project	April 2018
7.	Budget provision of the project	US$9,200.00 (INR 6,00,000.00 approx.)
8.	Budget received	US$7,360.00
9.	Project Heads	
1.	Recurring	
i)	Manpower	
	a. Project Assistant (1) @ Rs. 16,000/- PM	INR 1,92,000.00
	b. Contractual Workers	
	Lab. Technician (1) @ Rs. 10,000/- PM	INR 1,20,000.00
	Attendant (1) @ Rs. 9,000/- PM	INR 1,08,000.00
ii)	Travel & Miscellaneous	INR 1,62,000.00
iii)	Institutional Charges @ 10%	INR 18,000.00
10.	Name of Principal Investigators	Dr. Anil Kumar, Professor & Head, Department of Molecular Biology & Genetic Engineering, College of Basic Sciences & Humanities
11.	Name of Co- Principal Investigator	Dr. Parvesh Chandra, IRRI, New Delhi Dr. U.S.Singh, IRRI, New Delhi
12.	Budget Controlling Authority	**Director, Experiment Station**

14-5-18

(S.N.Tiwari)
Director

Cc:

1. Dr. Anil Kumar, Professor & Head, Department of Molecular Biology & Genetic Engineering, C.B.S.H.
2. Head, Department of Molecular Biology & Genetic Engineering, C.B.S.H.
3. Dean, College of Basic Science and Humanities
4. Deputy Comptroller, Experiment Station /C-2 alongwith file
5. I/c, Administrative Cell, Experiment Station
6. I/c, Statistical Cell, Experiment Station
7. OSD to V.C. for kind information of Hon'ble Vice-Chancellor please.

DIRECTORATE OF EXPERIMENT STATION

No. DES/Adm./ 2393 Dated: ~~February~~ March-05, 2018

OFFICE ORDER

Vice-Chancellor has been pleased to approve the implementation of the following research project in the University.

1.	Name of the research project	Metabolic engineering of plants for development of stress tolerance phenotype of D. radiodurans. (Code-7086)		
2.	Funding agency	Government of India, DAE (BRNS), BARC, Mumbai		
3.	Sanction No.	No. 37(1)/14/13/2017-BRNS/37210 dated 29/12/2017		
4.	Duration of the project	Three years		
5.	Total budget	Rs. 34,32,350.00		
6.	Budget received	Rs. 15,69,500.00		
7.	Budget heads			
	Items of expenditure	Year I 2017-18	Year II 2018-19	Year III 2019-20
	Equipments	6,01,000.00	0	0
	Staff Salary-JRF(1)	3,00,000.00	3,00,000.00	0
	Staff Salary-SRF(1)	0	0	3,36,000.00
	Technical Assistant (Project Assistant)	96,000.00	1,08,000.00	1,20,000.00
	Consumables	3,45,000.00	3,85,000.00	1,60,000.00
	Traval	30,000.00	37,000.00	37,000.00
	Contingencies	94,600.00	38,500.00	16,000.00
	Overheads calculated @7.5%	1,02,900.00	62,250.00	48,975.00
	Total (INR)	15,69,500.00	9,30,750.00	7,17,975.00
8.	Name of Principal Investigator	Dr. Narendra Kumar Singh, Professor, Genetics & Plant Breeding, College of Agriculture		
9.	Name of Co-Investigator	Dr. Dinesh Pandey, Assistant Professor, Molecular Biology & Genetic Engineering, CBSH		
10.	Principal Collaborator	Dr. Hari S. Mishra, Head Molecular Genetics Section, BARC , Mumbai.		
11.	Budget controlling authority	Director, Experiment Station		

(S.N.Tiwari)
Director,
Experiment Station

Cc:

1. Dr. Narendra Kumar Singh, Professor, Genetics & Plant Breeding
2. Head, Deptt. of Genetics & Plant Breeding
3. Dean, College of Agriculture.
4. Deputy Comptroller, (ES)/C-2 alongwith file
5. Administrative Cell, Experiment Station
6. Statistical Cell, Experiment Station
7. OSD to Vice-Chancellor for kind information of Vice-Chancellor please.

DIRECTORATE OF EXPERIMENT STATION

No. DES/ Adm/ 158 Dated: May 02, 2017

OFFICE ORDER

Vice-Chancellor has been pleased to approve the implementation of the following Research project in the University.

1.	Name of the Research Project and Code No.	**Development of heat tolerant, high yielding and climate resilient wheat cultivars by utilizing genomics, molecular and physiological information and resources (Code -7072).**
2.	Funding Agency	**USAID and DBT/BIRAC**
3.	Sanction No	No. BIRAC/TG/USAID/08/2014 dated 16.03.2017
4.	Duration of the Project	Five Years
5.	Location of the Project	GBPUA&T, Pantnagar
6.	Budget provision of the project	103.90 lakhs

	Budget head	1st year	2nd year	3rd year	4th year	5th year	Total
Non-Recurring							
	Small Equipment	**10.00**	--	--	--	--	**10.00**
Recurring							
	Manpower						
	PDF-1, @ Rs. 40000/- per month	4.80	4.80	4.80	4.80	4.80	24.00
	SRF-1, @ Rs. 28000/- per month	3.36	3.36	3.36	3.36	3.36	16.80
	Project Asstt.-1, @ Rs. 16000/- per month	1.92	1.92	1.92	1.92	1.92	9.60
	Consumables	3.22	6.695	6.97	6.42	6.695	30.00
	Domestic Travel	1.00	1.00	1.00	1.00	1.00	5.00
	Miscellaneous (Labourers, field contingency, stationary, and maintenance)	1.00	1.00	1.00	1.00	1.00	5.00
	Overhead Charges @10%	0.70	0.70	0.70	0.70	0.70	3.50
	TOTAL (A + B)	**26.00**	**19.475**	**19.75**	**19.20**	**19.475**	**103.90**

7.	**Name of P.I.**	Dr. J.P. Jaiswal, Professor, Department of Genetics & Plant Breeding, College of Agriculture.
8.	**Name of Co-P.I.**	1. Dr. Swati, Junior Research Officer, Department of Genetics & Plant Breeding
		2. Dr. Aneeta Yadav, Assistant Professor, Department of Genetics & Plant Breeding
9.	**Budget Controlling Authority**	Director, Experiment Station

Director 02/5/17
Experiment Station

Cc:

1. Dr. J.P. Jaiswal, Professor, Genetics & Plant Breeding.
2. Head, Department of Genetics & Plant Breeding.
3. Dean, College of Agriculture
4. Dy. Comptroller, (ES)/C-2 alongwith file.
5. Statistical Cell, Expt. Station
6. P.S. to Vice-Chancellor for kind information of Vice-Chancellor please.

Annexure C-7

Partnership with Private Sector made during 2018

Sl. No	Name of Project	Code No.	Name of P.I.	PI Code	Funding Agency	Budget (in Rs.)	Date of Start	Date of Completion
1	Evaluation of effect of Pendamethalin 38.7% CS (Chick pea and Cumin) and Metalazyl M31.8% ES (Maize and Chilli) on soil physicochemical properties and microflora and fauna	1986	Dr. Anita Sharma, Microbiology, CBSH	BPMAS	M/s United Phosphorus Ltd.	1296000.00	13.01.2018	12.01.2020
2	Bio-efficacy and phytotoxicity of thiophenate methyl 70% WP against foliar diseases of apple	1987	Dr. K.P. Singh, Plant Pathology	APPKPS	M/s Krishi Rasayan Export Pvt. Ltd.	800000.00	15.01.2018	14.01.2020
3	Bio-efficacy and phytotoxicity data generation of 2, 4-D Sodium Salt 50% + Metribuzin 15% WP in Wheat	1988	Dr. Rajeew Kumar, Agronomy	APARK	M/s Agro Life Corp. Ltd.	720000.00	02.01.2018	31.12.2019
4	Bio-efficacy and phytotoxicity evaluation of KK1 for the control of Chilli early blight and fruit rot (Anthracnose)	1989	Dr. Rashmi Tewari, Plant Pathology	APPRT	M/s Sulphur Mills Ltd.	720000.00	15.01.2018	14.01.2020
5	Bio-efficacy of Pexalon (triflumezopyrim) 10.6% SC against hoppers in Mango	1990	Dr. Poonam Srivastava, Entomology	APEPS	M/s E.I. DuPont India Pvt. Ltd.	720000.00	25.01.2018	24.01.2020
6	Bioefficacy, phytotoxicity, carry over and residual effect of Bentazone 48% SL (Bashazon) in Paddy (succeeding crop wheat): Residue analysis of Bentazone in soil, paddy and straw and its effect on soil microflora	1991	Dr. Anjana Srivastava, Chemistry, CBSH	BPCAS	M/s Sharda cropchem ltd.	1080000.00	07.08.2018	06.08.2020
7	Bio-efficacy of Sulfoxaflor 24% SC w/v SC against sucking pest in Mango	1992	Dr. Poonam Srivastava, Entomology	APEPS	M/s DowDuPont India Pvt. Ltd.	720000.00	15.02.2018	14.02.2020
8	Evaluation of Bupirimate 25% EC against powdery mildew disease of apple	1993	Dr. K.P. Singh, Plant Pathology	APPKPS	M/s ADAMA India Pvt. Ltd.	720000.00	25.04.2018	24.04.2020
9	Bio-efficacy of Chlorpyrifos 35% + Fipronil 3.5% EC against Diamond back moth in Cabbage	1994	Dr. S.N. Tiwari, Entomology	APESNT	M/s Gharda Chemicals Ltd.	720000.00	12.06.2018	11.06.2020
10	Evaluation of bio-efficacy and phytotoxicity of GPH 315 against weed flora of Tea	1995	Dr. Dinesh Kumar Singh, Agronomy	APVDKS	M/s United Phosphorus Ltd.	720000.00	30.06.2018	29.06.2021
11	Evaluation of Effect of Dhanvarsha on Growth and Yield of Okra	1996	Dr. Lalit Bhatt, Veg. Science	APVLB	M/s Dhanuka Agritech Ltd.	720000.00	15.06.2018	14.06.2021
12	Bioefficacy, phytotoxicity, carry over and residual effect of Bentazone 48% SL (Bashazon) in Maize (succeeding crop wheat): Residue analysis of Bentazone in soil, maize and straw and its effect on soil microflora	1997	Dr. Anjana Srivastava, Chemistry, CBSH	BPCAS	M/s Sharda cropchem ltd.	1080000.00	07.08.2018	06.08.2020
13	Evaluation of Flumioxazin against weed in Wheat and its effect on succeeding crop	1998	Dr. S.P. Singh, Agronomy	APASPS	M/s Excel Crop Care Ltd.	720000.00	13.07.2018	12.07.2020
14	Evaluation of bioefficacy and phytotoxicity of Flumioxazin 50% SC against weeds in Soybean and its effect on succeeding wheat crop	1999	Dr. Ajay Kumar, Agronomy	APAAK	M/s Excel Crop Care Ltd.	720000.00	05.07.2018	04.07.2020
15	Bio-efficacy and phytotoxicity of fungicide "UPF 209b" against foliar diseases of Apple	2000	Dr. K.P.Singh, Plant Pathology	APPKPS	M/s Swal Ltd.	2000000.00	25.07.2018	24.07.2020
16	Evaluation of bio-efficacy of herbicide Glufosinate Ammonium 13.5% SL against mixed weed flora in non-crop area	2001	Dr. Sumit Chaturvedi, Agronomy	APASCD, APASCH	M/s UPL Ltd.	720000.00	01.08.2018	31.07.2020
17	Evaluation of bio-efficacy and phytotoxicity of Metolachlor 50% EC against complex weed flora of maize and its effect on succeeding crop	2002	Dr. Rohitashav Singh, Agronomy	APARS	M/s UPL Ltd.	720000.00	07.07.2018	06.07.2020
18	Bio-efficacy evaluation of fungicide "GPF-215" on Chilli	2003	Dr. Rashmi Tewari, Plant Pathology	APPRT	M/s UPL Ltd.	720000.00	25.07.2018	24.07.2020
19	Bio-efficacy evaluation of seed treatment fungicide "Saaf-WS" (carbendazim 12% + Mancozeb 63% WS) against the diseases of Soybean	2004	Dr. Rashmi Tewari, Plant Pathology	APPRT	M/s UPL Ltd.	720000.00	20.07.2018	19.07.2020
20	Bio-efficacy evaluation of fungicide GPF-215 on Paddy	2005	Dr. Bijendra Kumar, Plant Pathology	APPBK	M/s UPL Ltd.	720000.00	07.07.2018	06.07.2020

21	Bio-efficacy of NF-180 20% SC against leaf and Neck Blast and its phytotoxicity on Rice	2006	Dr. Bijendra Kumar, Plant Pathology	APPBK	M/s Dhanuka Agritech Ltd.	720000.00	07.07.2018	06.07.2020
22	To evaluate the efficacy of Halauxifen-methyl 1.21% w/w + Fluroxypyr meptyl 38.9% w/w EC for broad-leaf weed control in wheat	2007	Dr. V. Pratap Singh, Agronomy	APAVPS	M/s Dow AgroScience India Pvt. Ltd.	720000.00	07.07.2018	06.07.2020
23	Evaluation of Spinetoram 0.8% GR against Stem Borer and Leaf Folder in rice	2008	Dr. S.N. Tiwari, Entomology	APESNT	M/s Dow AgroScience India Pvt. Ltd.	720000.00	05.07.2018	04.07.2020
24	Evaluation of insecticide Chlorantraniliprole 18.5% SC against Tomato and Rice	2009	Dr. R.M. Srivastava, Entomology	APERMS	M/s FMC India Pvt. Ltd.	720000.00	13.07.2018	12.07.2020
25	Efficacy of F-4257 2.5% GR against weeds in transplanted rice applied as pre-emergence application	2010	Dr. V. Pratap Singh, Agronomy	APAVPS	M/s FMC India Pvt. Ltd.	720000.00	07.07.2018	06.07.2020
26	Efficacy of F9600 4% GR against weeds in transplanted rice	2011	Dr. S.P. Singh, Agronomy	APASPS	M/s FMC India Pvt. Ltd.	720000.00	07.07.2018	06.07.2020
27	Bio-efficacy field trials of Indoxacarb 14.5% + Acetamiprid 7.7% SC-Okra	2012	Dr. M.S. Khan, Entomology	APEMSK	M/s Gharda chem. Ltd.	720000.00	17.07.2018	16.07.2020
28	Bio-efficacy field trials of chlorpyriphos 50% + Cypermethrin 5% EC-Chilli	2013	Dr. Renu Pandey, Entomology	APERP	M/s Gharda chem. Ltd.	720000.00	14.07.2018	13.07.2020
29	Bio-efficacy field trials of Chlorpyriphos 50% + cypermethrin 5% EC-Okra	2014	Dr. Pramod Mall, Entomology	APEPM	M/s Gharda chem. Ltd.	720000.00	25.07.2018	24.07.2020
30	Bio-efficacy field trials of Chlorpyriphos 50% + Cypermethrin 5% EC in Tomato	2015	Dr. Ravi Mohan Srivastava, Entomology	APERMS	M/s Gharda chem. Ltd.	720000.00	14.07.2018	13.07.2020
31	Evaluation of chlorpyriphos 50%+Cypermethrin 5% EC against leaf minor and other insect pest of Groundnut	2016	Dr. A.K. Pandey, Entomology	APEAK	M/s Gharda chem. Ltd.	720000.00	14.07.2018	13.07.2020
32	Bio-efficacy field trials of Chlorypriphos 50% + Cypermethrin 5% EC against Tobacco caterpillar and other insect pest of Soybean	2017	Dr. Neeta Gaur, Entomology	APENG	M/s Gharda chem. Ltd.	720000.00	17.07.2018	16.07.2020
33	Bio-efficacy field trials of Chlorpyriphos 50% + Cypermethrin 5% EC-Reg gram	2018	Dr. Meena Agnihotri, Entomology	APEMA	M/s Gharda chem. Ltd.	720000.00	14.07.2018	13.07.2020
34	Bio-efficacy field trials of Indoxacarb 14.5% SC- Okra	2019	Dr. Poonam Srivastava, Entomology	APEPS	M/s Gharda chem. Ltd.	720000.00	14.07.2018	13.07.2020
35	Evaluaction of Azoxystrovin 20% + Thifluzamide 15% W/V SC against Sheath blight & blast disease of Rice	2020	Dr. Bijendra Kumar, Plant Pathology	APPBK	M/s Gharda chem. Ltd.	720000.00	17.07.2018	16.07.2020
36	Bio-efficacy field trials of Pyroclostrobin 10% + Thifluzamide 10% SC-Rice	2021	Dr. Bijendra Kumar, Plant Pathology	APPBK	M/s Gharda chem. Ltd.	720000.00	17.07.2018	16.07.2020
37	Bio-efficacy field trials of Mepiquat Chloride 5% AS-Pumpkin	2022	Dr. Dinesh Kumar Singh, Agronomy	APVDKS	M/s Gharda chem. Ltd.	1080000.00	17.07.2018	16.07.2020
38	Evaluation of plant growth regulator Mepiquat Chloride 5% As in Transplanted Rice	2023	Dr. Dhananjay K. Singh, Agronomy	APADKS	M/s Gharda chem. Ltd.	1080000.00	14.07.2018	13.07.2020
39	Evaluation of plant growth regulator Mepiquat Chloride 5% AS in Okra	2024	Dr. Dhirendra Kumar Singh, Vegetable Science	APVDKS2	M/s Gharda chem. Ltd.	1080000.00	20.07.2018	19.07.2020
40	Evaluation of plant growth regulator Mepiquat Chloride 5% As in Tomato	2025	Dr. J.P. Singh, Vegetable Sc.	APVJPS	M/s Gharda chem. Ltd.	1080000.00	17.07.2018	16.07.2020
41	Bio-efficacy and phytotoxicity of fungicide "UPF 513" on Apple	2026	Dr. K.P. Singh, Plant Pathology	APPKPS	M/s Swal Ltd.	1800000.00	02.08.2018	01.08.2020
42	Bio-efficacy evaluation of fungicide "CUPROFIX DISPERS" (Copper sulphate 47.15% + Mancozeb 30% WG) on Cucumber	2027	Dr. Manju Sharma, Plant Pathology	APPMS	M/s UPL Ltd.	720000.00	25.07.2018	24.07.2020
43	Bio-efficacy evaluation of insecticide Lancer gold (Acephate 50% + Imidacloprid 1.8% SP) on Chilli	2028	Dr. Renu Pandey, Entomology	APERP	M/s UPL Ltd.	720000.00	25.07.2018	24.07.2020
44	Bio-efficacy evaluation of fungicide "UPFI 116" as seed treatment against shoot fly, white grub, termite, seedling blight in Maize	2029	Dr. A.K. Pandey, Entomology	APEAK	M/s UPL Ltd.	800000.00	25.07.2018	24.07.2020
45	Bio-efficacy evaluation of fungicide "UPF 513" against disease of black gram	2030	Dr. K.P.S. Kushwaha, Plant Pathology		M/s UPL Ltd.	720000.00	28.07.2018	27.07.2020
46	Evaluation of Acephate 75% SP for the resurgence study of pests in rice crop	2031	Dr. S.N. Tiwari, Entomology	APESNT	M/s ADAMA India Pvt. Ltd.	1132800.00	16.08.2018	15.08.2020

79	Bioefficacy of Indoxacarb 5% + Fipronil 5% SC against jassids, aphids, thrips and fruit borer of Tomato crop	2065	Dr. J.P. Purwar, ARS Majhera		M/s Gharda chem. Ltd.	849600.00	31.12.2018	30.12.2020
80	Evaluation of Chlorpyriphos 35% + Fipronil 3.5% EC against shoot and Fruit borer of Brinjal	2066	Dr. Neeta Gaur, Entomology		M/s Gharda chem. Ltd.	849600.00	31.12.2018	30.12.2020
81	Evaluation of chlorpyrifos 50% + Cypermethrin 5% EC against root grub of Onion crop & other insect pest like Thrips	2067	Dr. M.S. Khan, Entomology	APEMSK	M/s Gharda chem. Ltd.	849600.00	12.12.2018	11.12.2020
82	Bio-efficacy of Cypermethrin 10% + Indoxacarb 10% SC against Fruit borer of Tomato	2068	Dr. Pramod Mall, Entomology	APEPM	M/s Gharda chem. Ltd.	849600.00	12.12.2018	11.12.2020
83	Bio-efficacy of Fipronil 15% + Deltamethrin 2.5% SC against Fruit borer of Tomato crop	2069	Dr. Poonam Srivastava, Entomology	APEPS	M/s Gharda chem. Ltd.	849600.00	27.12.2018	26.12.2020
84	Bio-efficacy of Fipronil 15% + imidacloprid 5% SC against Aphids, Jassids and Thrips of Cumin	2070	Dr. Renu Pandey, Entomology	APERP	M/s Gharda chem. Ltd.	849600.00	12.12.2018	11.12.2020
85	Evaluation of plant growth regulator Mepiquat Chloride 5% AS in Wheat & effect on succeeding crop	2071	Dr. S.C. Shankhdhar Plant Physiology, CBSH		M/s Gharda chem. Ltd.	1274400.00	03.12.2018	02.12.2020
86	Bio-efficacy and Phytotoxicity of fungicide UPH 1317 against the Anthracnose, Powdery mildew and Choanephora blight of Chilli	2073	Dr. Shilpi Rawat, Plant Pathology	APPSR	M/s UPL Ltd.	849600.00	31.12.2018	30.12.2020
87	To evaluate the Bio-efficacy and Phytotoxicity of fungicide "UPH 1317" against the early blight and septoria leaf spot of Tomato	2074	Dr. S.K. Mishra, Plant Pathology		M/s UPL Ltd.	849600.00	31.12.2018	30.12.2020
					Total:-	**73874400.00**		

(डा0 एन0 तिवारी)
निदेशक अनुसंधान

Annexure C-8

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

To Pantnagar

Name	Designation and affiliation	Visit to Pantnagar
Dr B.B. Singh	Visiting Professor and Senior Fellow, Deptt of Soil and Crop Sciences, Borlaug Institute for International Agriculture, Texas A&M University	As Visiting Professor, Department of Genetics and Plant Breeding, COA, Pantnagar 6 April- 6 July, 2018 6 October to 13 November, 2018
Dr S.G. Sharma	Through ICAR From Rice Research Institute, Cuttack	As Professor of Eminence, Biochemistry department, CBSH, Pantnagar From 2018 to 2020

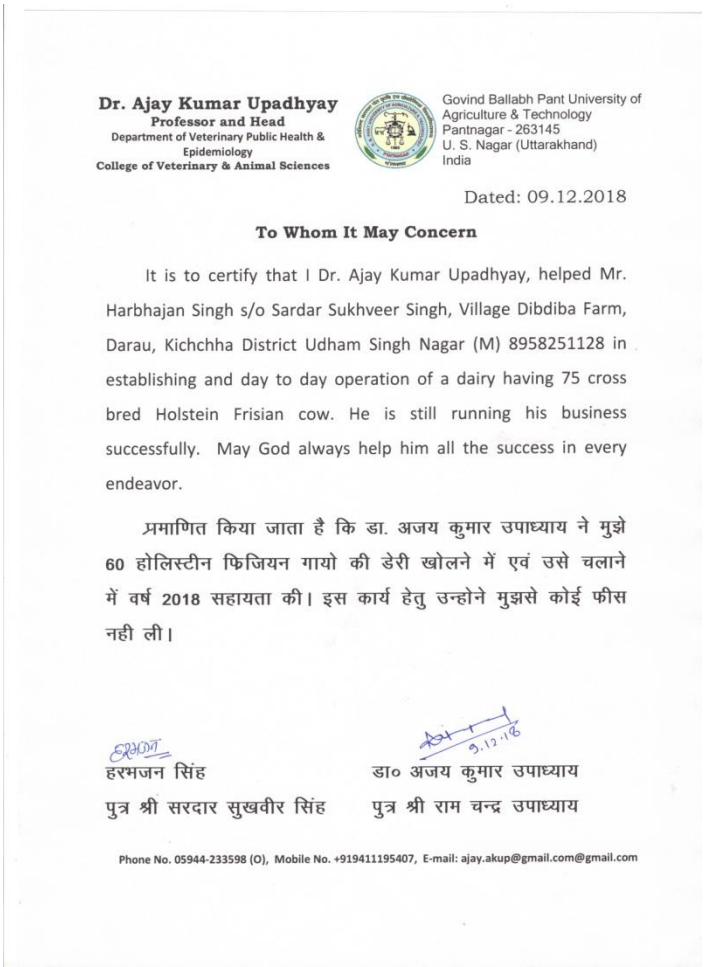
From Pantnagar

Name	Designation and affiliation	Visit
Dr. Alka Goel, Professor, College of Home Science	Professor & Head, College of Home Science, Pantnagar	As Visiting Guide under Dr. S. Radhakrishnan PDF Project in Humanities and Social Sciences, UGC, New Delhi

Annexure C-9

No. of enterprises/startups promoted by the University in 2018 :

S.No.	Name of Start-up	Current Status	Website/CIN
1.	Innvocon Learning Solutions Pvt. Ltd.	Operational	U74999UR2019PTC009576 www.innvocon.co.in
2.	TYFRIO Agri Innovations Pvt. Ltd.	Operational	U01114UR2019PTC009623 www.tyfrio.co.in
3.	HikeBasera	Operational	www.hikebasera.com
4.	Timey	Operational	www.triny.io
5.	Eateable	Operational	www.ateable.com
7.	Roveterio/Grocing	Operational	www.grocing.com
10.	HF dairy, Ajayveer Singh, Kaushal Ganj, Distt. Rampur	Operational	
11.	HF Dairy, sardar Harbhajan Singh, Darau, Kiccha	Operational	



Dr. Ajay Kumar Upadhyay
Professor and Head
Department of Veterinary Public Health & Epidemiology
College of Veterinary & Animal Sciences

Govind Ballabh Pant University of Agriculture & Technology
Pantnagar - 263145
U. S. Nagar (Uttarakhand)
India

Dated: 09.12.2018

To Whom It May Concern

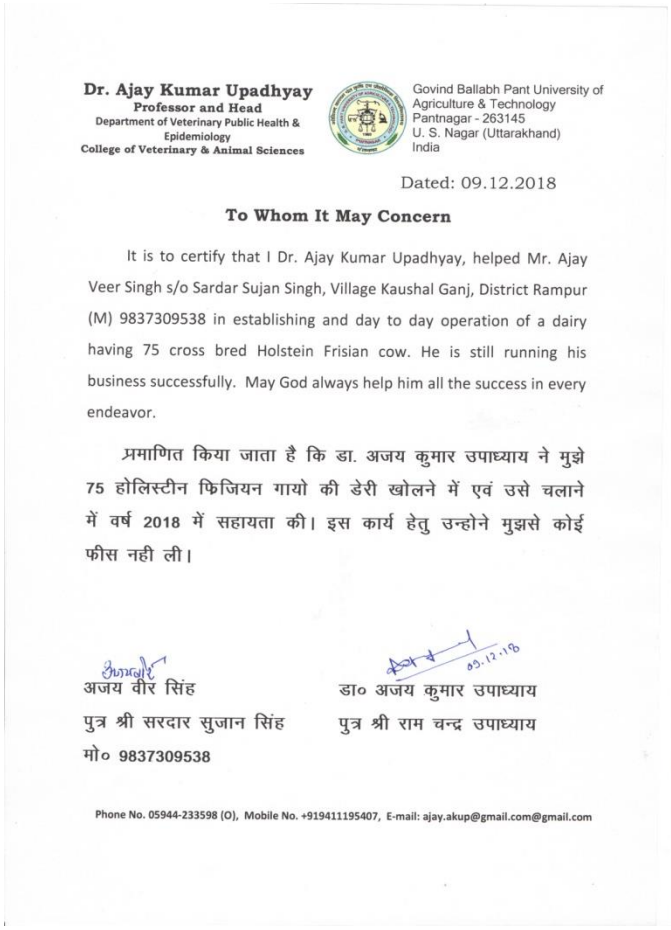
It is to certify that I Dr. Ajay Kumar Upadhyay, helped Mr. Harbhajan Singh s/o Sardar Sukhveer Singh, Village Dibdiba Farm, Darau, Kichchha District Udham Singh Nagar (M) 8958251128 in establishing and day to day operation of a dairy having 75 cross bred Holstein Frisian cow. He is still running his business successfully. May God always help him all the success in every endeavor.

प्रमाणित किया जाता है कि डा. अजय कुमार उपाध्याय ने मुझे 60 होलिस्टीन फिजियन गायो की डेरी खोलने में एवं उसे चलाने में वर्ष 2018 सहायता की। इस कार्य हेतु उन्होने मुझसे कोई फीस नही ली।

हरभजन सिंह
पुत्र श्री सरदार सुखवीर सिंह

डा० अजय कुमार उपाध्याय
पुत्र श्री राम चन्द्र उपाध्याय

Phone No. 05944-233598 (O), Mobile No. +919411195407, E-mail: ajay.akup@gmail.com@gmail.com



Dr. Ajay Kumar Upadhyay
Professor and Head
Department of Veterinary Public Health & Epidemiology
College of Veterinary & Animal Sciences

Govind Ballabh Pant University of Agriculture & Technology
Pantnagar - 263145
U. S. Nagar (Uttarakhand)
India

Dated: 09.12.2018

To Whom It May Concern

It is to certify that I Dr. Ajay Kumar Upadhyay, helped Mr. Ajay Veer Singh s/o Sardar Sujan Singh, Village Kaushal Ganj, District Rampur (M) 9837309538 in establishing and day to day operation of a dairy having 75 cross bred Holstein Frisian cow. He is still running his business successfully. May God always help him all the success in every endeavor.

प्रमाणित किया जाता है कि डा. अजय कुमार उपाध्याय ने मुझे 75 होलिस्टीन फिजियन गायो की डेरी खोलने में एवं उसे चलाने में वर्ष 2018 में सहायता की। इस कार्य हेतु उन्होने मुझसे कोई फीस नही ली।

अजय वीर सिंह
पुत्र श्री सरदार सुजान सिंह
मो० 9837309538

डा० अजय कुमार उपाध्याय
पुत्र श्री राम चन्द्र उपाध्याय

Phone No. 05944-233598 (O), Mobile No. +919411195407, E-mail: ajay.akup@gmail.com@gmail.com

Annexure C-10

Number of students employed in public/ private/ banking sectors

Sl. No.	Name of students	Details of placement
1.	Aaina Agarwal	ICICI Prudential, Mumbai
2.	Aamir Sabahat Khan	SeedWorks India Pvt. Ltd, Banjara Hills, Hyderabad
3.	Aamir Sabahat Khan	M/S Seedworks India Pvt., Hyderabad
4.	Abhishek Gupta	M/S I Green Energy, Ahamadabad
5.	Akansha Negi	Oyo Rooms, Sector 69, Gurugram, Haryana
6.	Akkalareooy Sumalatha	M/S Sidh Green Gleam Pvt. Ltd., Noida
7.	Akshyay Rawat	Gyan Dairy, Mahanagar, Lucknow
8.	Aleeza Fatheem	M/S BCH Electrical, Noida
9.	Aman Bohara	M/S Bigbasket Supermarket Pvt. Ltd., New Delhi
10.	Amar Kumar Jamuar	Suminter India Organics Pvt. Ltd., Sector 4, NOIDA
11.	Amit Kumar	Dayal Group, Partapur, Meerut
12.	Amit Kumar Singh	SeedWorks India Pvt. Ltd, Banjara Hills, Hyderabad
13.	Amit Kumar Singh	M/S Seedworks India Pvt., Hyderabad
14.	Amit Pant	HDFC bank Ltd.
15.	Amit Rabha	IARI, Research associate
16.	Amita yadav	Assistant Professor, Lovely Professional University
17.	Aness Ansari	M/S National Small Poultry, New Delhi
18.	Anil Kumar Bairwa	Assistant seed certification officer, Rajasthan
19.	Ankit Joshi	DCM Shriram Consolidated Limited, Barakhamba road, New Delhi
20.	Ankit Verma	M/S BAIF Development Research Foundation, Maharashtra
21.	Ankita	M/S Sidh Green Gleam Pvt. Ltd., Noida
22.	Anuj Gangwar	M/S Uttarakhand Shakari Dairy , Haldwani
23.	Anusha Gupta	M/S John Deere, Pune
24.	Arjun Negi	M/STafe, Chenni
25.	ArjunSingh	M/S Advantaz, Gurgaon
26.	Arvind Chauhan	M/S VNR Seeds, Raipur
27.	Asad Basheer	ICICI Prudential, Mumbai
28.	Awadhesh Pant	M/S John Deere, Pune
29.	Ayush Gupta	M/S INI Farm Pvt. Ltd., Mumbai
30.	Ayushi Singh	ICICI Prudential, Mumbai
31.	Ayushi Taragi	My Operator, New Delhi
32.	Bablu Kumar	M/S BAIF Development Research Foundation, Maharashtra
33.	Bhanu Pratap Singh	M/S Advantaz, Gurgaon
34.	Bhaskar Bhatt	KLA India Public Limited

35.	Charu Chandra Devshali	M/S Pradan, New Delhi
36.	Deeksha Gupta	ICICI Prudential, Mumbai
37.	Deepak Koujalagi	Agriculture Officer, Karnataka State Department of Agriculture (KSDA)
38.	Deepak Tripathi	M/S John Deere, Pune
39.	Deepankar Pandey	Assistant Director (Technical) at National Seed Association of India
40.	Delna Roses	M/S ITC, Guntur
41.	Devendra Kumar	ARS
42.	Dhanraj Meena	M/S VNR Seeds, Raipur(C.G)
43.	Divyansh Rajvanshi	M/S Escorts, Faridabad
44.	Dr Rajeevnayan Bahuguna	Assistant Professor, Dr Rajendra Prasad Central Agricultural University
45.	Ekta Chug	M/S Srijan, New Delhi
46.	Faheem Ahmed Salmani	Escorts Agri Machinery, Fridabad, Haryana
47.	Gangadhar Nanda	Scientist B, Central Silk Board, Govt of India
48.	Garima Tiwari	Jeevika, Vidyut Bhawan, Annexe 11, 1st floor, Patna
49.	Gaurav Pokhariyal	Ujjivan Small Finance Bank
50.	Gaurav Singh	M/S Escorts, Faridabad
51.	Gauravendra Bisht	HDFC bank Ltd.
52.	Girish Kumar	Bharat Insectisides Limited
53.	Girish Kumar	M/S Bharat Insecticides, Ltd, Delhi
54.	Govind Kumar	ARS
55.	Haidar Ali	M/STafe, Chenni
56.	Hariom Patidar	M/S Zeneva Crop Science, Pvt. Ltd. , Aligarh
57.	Harshita Negi	M/S VNR Seeds, Raipur(C.G)
58.	Hemanshu	M/S Sidh Green Gleam Pvt. Ltd., Noida
59.	Hemant Kumar	Jeevika, Vidyut Bhawan, Annexe 11, 1st floor, Patna
60.	Hemant Kumar	M/S Jeevika, Patna
61.	Hemant Rawat	M/S Denso, Harayana
62.	Hemant Singh Bisht	M/S Escorts, Faridabad
63.	Himani Bametha	M/S BAIF Development Research Foundation, Maharashtra
64.	Hina Kausar	M/S Iffco Kisan Sanchar, Ltd., New Delhi
65.	Hussain Abbas	Oyo Rooms, Sector 69, Gurugram, Haryana
66.	Iti Bisht	M/S Iffco Kisan Sanchar, Ltd., New Delhi
67.	Javed Ansari	ICICI Prudential, Mumbai
68.	Jitendra Kumar Meena	ARS
69.	Jyotsana Maura	Graphic Era Hill University
70.	Kanha Joshi	M/S Escorts, Faridabad
71.	Kashish Misra	ICICI Prudential, Mumbai
72.	Katyaeni Ghildial	Ujjivan Small Finance Bank
73.	Kuldeep Singh Rajput	Dayal Group, Partapur, Meerut
74.	Kumar Nishant Chourasia	ARS
75.	Madhvi Singh	M/S Iffco Kisan Sanchar, Ltd., New Delhi

76.	Mahima Bora	M/S BAIF Development Research Foundation, Maharashtra
77.	Mamta Nehra	Assistant professor agriculture university Jodhpur
78.	Manoj Kumar	M/S Bigbasket Supermarket Pvt. Ltd., New Delhi
79.	Manoj Kumar	M/S Zeneva Crop Science, Pvt. Ltd. , Aligarh
80.	Manoj Singh Bisht	M/S Indian Oil Adani GasPvt. Ltd. , Ahmedabad
81.	Manpreet Singh	Banking Service
82.	Mukul Sukhiija	Gyan Dairy, Mahanagar, Lucknow
83.	Namo Narayan Maurya	Gyan Dairy, Mahanagar, Lucknow
84.	Nandita Fuloria	M/S National Small Poultry, New Delhi
85.	Naveen C. Gahtyari	ARS
86.	Neehar Saraswat	M/S Indian Oil Adani GasPvt. Ltd. , Ahmedabad
87.	Neeraj Bhatt	M/S I Green Energy, Ahamadabad
88.	Neeraj Bhatt	M/S Reliance Retail, Navi Mumbai
89.	Neeraj Kumar	ARS
90.	Neeraj Singh Negi	M/S Mahindra & Mahindra, Mumbai
91.	Neha Arya	M/S Srijan, New Delhi
92.	Nikhil Mehra	M/S Indian Oil Adani GasPvt. Ltd. , Ahmedabad
93.	Nisha	Uttarakhand Public Service Commission
94.	Nistha Pandey	M/S Escorts, Faridabad
95.	Nitish Singh Aithani	M/S Denso, Harayana
96.	Palak Tondon	ICICI Prudential, Mumbai
97.	Pallivi Boskoti	M/S Iffco Kisan Sanchar, Ltd., New Delhi
98.	Pankaj Rana	M/S Zeneva Crop Science, Pvt. Ltd. , Aligarh
99.	Pathakottu Sainag Reddy	VNR Seeds, Raipur, Chattisgarh
100.	Pooja	M/S Uttarakhand Shakari Dairy , Haldwani
101.	Pooja	M/S Srijan, New Delhi
102.	Pradeep Negi	M/S Iffco Kisan Sanchar, Ltd., New Delhi
103.	Prakhar Tonk	M/S Escorts, Faridabad
104.	Prakhra Awasthi	ICICI Prudential, Mumbai
105.	Pranay Pandey	M/S Escorts, Faridabad
106.	Pranesh Lavania	M/S Bigbasket Supermarket Pvt. Ltd., New Delhi
107.	Praveen Solanki	KVK Technical Assistant
108.	Priyanka Khati	ARS
109.	Puneet Kakkar	M/S Escorts, Faridabad
110.	Punjika Saxena	M/S BAIF Development Research Foundation, Maharashtra
111.	Rahul	M/S National Small Poultry, New Delhi
112.	Rahul	Mitsui Chemicals India Pvt. Ltd.
113.	Rajan Chauhan	M/S Denso, Harayana
114.	Ranjit Kumar Pandey	Suminter India Organics Pvt. Ltd., Sector 4, NOIDA
115.	Ravi Kant Bhardwaj	M/S Mahindra & Mahindra, Mumbai

116.	Renu Gangwar	Assistant Professor, NDUA&T, Faizabad
117.	Richa Dhyani	M/S VNR Seeds, Raipur`
118.	Richa Thapliyal	ICICI Prudential, Mumbai
119.	Rohit Kumar	M/S Advantaz, Gurgaon
120.	Rohit Singh Nagarkoti	HDFC bank Ltd.
121.	Roopam Negi	M/S Srijan, New Delhi
122.	Rupal Sharma	M/S Srijan, New Delhi
123.	Sakshi Gautam	M/S BAIF Development Research Foundation, Maharashtra
124.	Sangia	M/S Denso, Harayana
125.	Sangia	M/S I Green Energy, Ahamadabad
126.	Sangita	M/S Srijan, New Delhi
127.	Sapna Negi	HDFC bank Ltd.
128.	Shagun Singh	M/S I Green Energy, Ahamadabad
129.	Shailesh Trevedi	KLA India Public Limited
130.	Shaiphali Saxena	Uttarakhand Public Service Commission
131.	Shalu Priya	Quality Control, SPT Foods, Rudrapur, Uttarakhand
132.	Sharad Chaturvedi	Bharat Insectisides Limited
133.	Shivam Shekhawat	M/SDenso, Harayana
134.	Shivangi Sharma	M/STafe, Chenni
135.	Shivangi Solanki	ICICI Prudential, Mumbai
136.	Shivangi Tyagi	M/S Pradan, New Delhi
137.	Shivani	M/S Dayal Group, Pratapur, Meerut
138.	Shivansh Kaletha	M/S Sidh Green Gleam Pvt. Ltd., Noida
139.	Shivansh Khansali	M/S Indian Oil Adani GasPvt. Ltd. , Ahmedabad
140.	Shoaib Malik Warsi	M/S BCH Electrical, Noida
141.	Shobit Panwar	M/S ITC, Guntur
142.	Shreya Rai	M/S BAIF Development Research Foundation, Maharashtra
143.	Shubham Johri	Administrative officer at Agriculture insurance company of India Ltd.
144.	Shubhankar Bajpai	M/S Jeevika, Patna
145.	Shubhankar Bajpai	Jeevika, Vidyut Bhawan, Annexe 11, 1st floor, Patna
146.	Siddhart Gupta	Q & Q Research Insight Pvt. Ltd. Sector 4, NOIDA
147.	Sneha Chhabra	M/S INI Farm Pvt. Ltd., Mumbai
148.	Sonam Gairala	M/S Indian Oil Adani GasPvt. Ltd. , Ahmedabad
149.	Sony Bora	M/S Srijan, New Delhi
150.	Subhash Chandra	ARS
151.	Sumit Rawat	M/S National Small Poultry, New Delhi
152.	Surya Pratap Singh Gahlout	M/S Bigbasket Supermarket Pvt. Ltd., New Delhi

153.	Sweta Pandey	M/S Escorts, Faridabad
154.	Tanuja Tiwari	Uttarakhand Public Service Commission
155.	Tapan Joshi	M/S INI Farm Pvt. Ltd., Mumbai
156.	Tapesh Joshi	M/S Pradan, New Delhi
157.	Tushar Sharma	DCM Shriram Consolidated Limited, Barakhamba road, New Delhi
158.	Uddesh Singh	M/STafe, Chenni
159.	Utkarsh Rawat	M/S Zeneva Crop Science, Pvt. Ltd. , Aligarh
160.	Utsav Goyal	M/S Denso, Harayana
161.	Vibhav Chandra	Gyan Dairy, Mahanagar, Lucknow
162.	Vijay Dhyani	Dayal Group of Fertilizers
163.	Vijay Kumar Bhatt	Gyan Dairy, Mahanagar, Lucknow
164.	Vijay Prakash	M/S Dayal Group, Pratapur, Meerut
165.	Vikas Mangal	ARS
166.	Vinay Kumar	M/S Zeneva Crop Science, Pvt. Ltd. , Aligarh
167.	Vipin Gujjar	VNR Seeds, Raipur, Chattisgarh
168.	Vishal Kumar	M/S Bigbasket Supermarket Pvt. Ltd., New Delhi
169.	Vishal Singh	M/S National Small Poultry, New Delhi
170.	Yogesh Pandey	M/S BAIF Development Research Foundation, Maharashtra