Evaluation Proforma
for
Ranking of Agricultural Universities
(2018)

Sher-e-Kashmir

University of Agricultural Sciences & Technology of Kashmir,
Shalimar, Srinagar – 190 025, Jammu & Kashmir

(Date of Submission: 08-06-2019)

Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir

Evaluation Proforma for Ranking of Agricultural Universities for the year 2018

Brief Profile of the University

1. Full name and address of the University: **Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir**

2. Contact details of ICAR Nodal Officer: Name:DrSameeraQayoom
   e-mail:sameera.qayoom@gmail.com
   Mobile: 9622259933/9419049242
   Landline: 01942461329

3. Number of student s passed out (2018):
   UG: 276
   PG: 127
   Ph D: 51

4. Faculty position as on 01.01.2018

	Sanctioned	In position	% of filled
Colleges	378	262	69.31
Research Stations	134	94	70.14
AICRP	36	33	91.66
KVKs	89	76	85.39
Total	**637**	**465**	**72.99**

5. University budget of Financial year 2018-19 (Rs in Crores)
   i) State Government : 147.9598
   ii) Central Government:20.4442
   iii) Private Sector: -
   Total= 168.4040

Parameters	Total Score	Score awarded
A1. Number of students got ICAR-PG Scholarships (erstwhile JRF) during 2018/Number of UG students passed out (List to be enclosed as Annexure A1) **(Maximum 1 mark)**		**7/84= 8.33**
If more than 5% of UG students got ICAR PG Scholarships (The students who cleared the exam but not awarded ICAR PG Scholarships not to be included.)	1 mark	**01**
A2. Number of students got admission in Master's program during 2018 through ICAR entrance examination/Number of UG students passed out (List to be enclosed as Annexure A2) **(Maximum 1 mark)**		**40/276=14.49**
If more than 10% of UG students got admission at Masters level through ICAR entrance examination	1 mark	**01**
A3. Students Performance at M.Sc. Level (List to be enclosed as Annexure A3) **(Maximum 2 marks)**		**5/95=5.26**
If more than 5% of students got ICAR-JRF/SRF (erstwhile SRF) or equivalent (The students who cleared the exam but not awarded ICAR-JRF/SRF not to be included.)	2 marks	**02**
A4. Students Performance at M.Sc. Level (List to be enclosed as Annexure A4) **(Maximum 1 mark)**		**5/33=15.15**
If more than 10% of students got admission in Ph.D. through ICAR entrance examination	1 mark	**01**
A5. ICAR Jawaharlal Nehru Award for Ph. D. thesis in 2018 (List to be enclosed as Annexure A5) **(Maximum 2 marks)**		**NIL**
If number is 1	1 mark	
If number is more than 1	2 marks	
A6. 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) **(Maximum 3 marks)**		**2/12=16.66**
Up to 5 per cent	1 mark	
More than 5 per cent	3 marks	**03**
A7. Percentage of students qualified NET Exam in the disciplines of Agriculture and allied Sciences during 2018 (List to be enclosed as Annexure A7) **(Maximum 3 marks)**		**56/127=44.09**
Up to 5 per cent	1 mark	
More than 5 per cent	3 marks	**03**
A8. Percentage of faculty positions filled in teaching, research,		**465/637= 72.99**

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) **(Maximum 4 marks)**		
60 to 70 %	1 mark	
70 to 80 %	2 marks	**02**
If more than 80 %	4 marks	
A9. Number of students admitted from overseas for Ph.D. during 2018 (List to be enclosed as Annexure A9) **(Maximum 2 marks)**		**NIL**
If number is up to 2	1 mark	
If it is more than 2	2 marks	
A10. National and International awards (such as those conferred by the National Organizations like ICAR, CSIR, DBT, DST, Government of India, international Bodies of repute like FAO, UN, CG Centres and Recognized National Sciences /Engineering Academies) (earned by Faculty) in 2018 (List with only top 10 awards to be enclosed as Annexure A10) **(Maximum 3 marks)**		**17**
If Number is 1	1 mark	
If Number is 2-4	2 marks	
If Number is more than 4	3 marks	**03**
A11. Best Institution/University Awarded by ICAR in 2018 in any field (Proof to be enclosed as Annexure A11) **(Maximum 1 mark)**		**2nd position in JRF exam.**
	1 mark	**01**
A12. Award in All India Youth Festival or All India Agri. University Sports Meet in 2018 (Proof to be enclosed as Annexure A12) **(Maximum 1 mark)**		**3rd best cultural team during ICAR-NAHEP in cultural festival at ICAR CIFE, Mumbai**
1st, 2nd or 3rd Position in 2018	1 mark	**01**
A13. Fellowship or Associate ship of National Science Academies (NAAS, INSA, NAS, NAMS, INAE achieved during 2018) (List not more than five to be enclosed as Annexure A13) **(Maximum 2 marks)**		**8**
Upto 1	1 mark	
2 or more	2 marks	**02**
A14. Percentage of Faculty with Ph.D. degrees obtained from universities from outside of the state where employed (List along with proof to be enclosed as Annexure A14) **(Maximum 2**		**146/465=31.39**

marks)		
If less than 15 %	No marks	
15 to 25 %	1 mark	
More than 25 %	2 marks	**02**
A15. Percentage of Faculty from the State other than the State in which university situated (List along with proof to be enclosed as Annexure A15) **(Maximum 2 marks)**		**148/465=31.82**
Less than 20 %	No marks	
20 – 30 %	1 mark	**01**
More than 30 %	2 marks	
A16. Percentage of Faculty with 3 months or more of Post doctoral/Visiting scientist experiences abroad in 2018 (Maximum 1 mark)		**NIL**
More than 3% of faculty strength	1 mark	
A17. Average footfall in library (Maximum 2 marks)		**795/1795=44.28 (1402 STUDENTS+393 FACULTY)**
Up to 15 % of students/faculty in position visiting library daily	1 mark	
More than 15 % of students/faculty in position visiting library daily	2 marks	**02**
A18. CERA utilization in 2018 (Maximum 2 marks)		**11733/1795= 6.53**
*CERA Utilization (number of hits/total number of students and faculty) (to be awarded for top 10 universities) * information will be collected from DKMA, ICAR	2 marks	**02**
A19. Accreditation on 01.01.2018 (by ICAR) (copy of accreditation letter/certificate to be enclosed as Annexure A19). (Maximum 3 marks)		**YES**
Accreditation granted for up to 2 years to the University	2 marks	
Accreditation granted for up to 5 years to the University	3 marks	**03**
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) **(Maximum 2 marks).**		**YES**
Fifth Deans Committee/BSMA Committees recommendations partially implemented (If not implemented in all the faculties / Colleges).	1 mark	
Fifth Deans Committee/BSMA Committees recommendations fully Implemented.	2 marks	**02**
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		**795/465 = 1.71**

2019 to be enclosed as Annexure B1)**.Listing of publications below NAAS rating of 6.0 should not be made. (Maximum 9 marks)**		
Less than 0.5 papers per faculty member No marks	No marks	
0.6 – 1.0 papers per faculty member 3 marks	3 marks	
1.1 – 1.5 papers per faculty member 5 marks	5 marks	
1.6 – 2.0 papers per faculty member 7 marks	7 marks	**07**
More than 2.0 papers per faculty member 9 marks	9 marks	
B2. Research Impact (Maximum 5 marks)		
Percentage of faculty having h-index as 10 or more than 10 (to be obtained from Google Scholar)		**48/465=10.32**
If 2 to 5 Percent 1 mark	1 mark	
If 6 to 10 Percent 2 marks	2 marks	
If 10 to 20 Percent 3 marks	3 marks	**03**
If more than 20 Percent 5	5 marks	
B3. Research Excellence		
(i) Patents granted during 2018 (Only patents granted along with proof to be listed as Annexure B3 (i)) **(Maximum 6 marks)**		**One**
Per patent granted	2 marks (limited to 6 Marks)	**02**
(ii) Varieties released (Maximum 6 marks) (Varieties released by the centre/State Government and notified in Gazette to be listed. (Copy of gazette notification to be enclosed as Annexure B3(ii)) **or breeds/technologies/vaccines developed/new strains of bacteria/virus/parasite identified (Maximum 6 marks**)(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 (Maximum 6 marks)** (Appropriate proof for development and adoption of machinery & tools to be enclosed as Annexure B3(ii))	1 mark for each (limited to 6 marks)	**Technologies: 36** **Varieties registered:63** **Products: 25** **Breeds registered: 01** **Breeds developed :03** **Traits/genes identified:06** **Machinery &tools /equipments developed:10** **Total= 144**
		06
(iii) Funds received through external competitive grants (excluding ICAR development and KVK and AICRP grants) (Total amount) (Maximum 3 marks)		**10.30Cr**
2 -3 Crores	1 mark	
3 to 5 Crores	2 marks	
More than 5 Crores	3 marks	**03**
(iv) If PME Cell Established and Functional (Maximum 1 mark)	1 mark	**Yes**
		01

C1. KVK Awards during 2018 (Maximum 4 marks) (Attach Proof as Annexure C1)		
Zonal Award (one mark for each award)	2 marks	**02**
National Award (two marks for each award)	2 marks	
C2. Extension workers Award at State/National Level (by Government Agency) during 2018. (Proofs to be enclosed as Annexure C2) (Maximum 4 marks)		
State level Awards		
1-5 Awards	1 mark	**01**
More than 5 awards	2 marks	
National level awards		
1-3 Awards	1 marks	
More than 3 awards	2 marks	
C3. Quality input supplied by University (Seed, Semen, planting material etc.) during 2018 (Maximum 2 marks)		
More than 50,000– 1,50,000 planting material	1 mark	**222998No.s**
More than 1,50,000 planting material	2 marks	**02**
Or		
Semen up to 10,000 doses	1 mark	**1070**
Semen 10001 to 50,000 doses	2 marks	
Or		
Breeder Seed (Cereals and Pulses) upto 200 quintals	1 mark	**120.108 QTLS.**
More than 200 quintals	2 marks	
Or		
Fish Seed / fingerlings supplied	1 mark	
10 Lakh to 1 Crore	2 marks	
More than 1 Crore	3 marks	
C4. If one lakh soil samples are analyzed per year (Maximum 1 mark)	1 mark	**3213**
C5. Revenue generated through consultancies, certification, testing, tuition fee, 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 Comptroller of the University need to be listed as Annexure C5. The list should exclude the items listed in B3(iii) **(Maximum 10 marks)**		**20.2737 Cr (12.04%)**
5-10 % of University Budget	1 mark	
10-20 % of University Budget	4 marks	**04**
20-30 % of University Budget	7 marks	
More than 30 % of University Budget	10 marks	
C6. Number of inter-institutional collaborative projects obtained during 2018 (Proof to be enclosed as Annexure C6) **(Maximum 2 marks)**		**14**
One project	1 mark	
Two or more	2 marks	**02**
C7. Partnership with Private Sector made during 2018 (Proof to be enclosed as Annexure C7) **(Maximum 1 mark)**	1 mark	**07**

		01
C8. Exchange of faculty (Sabbatical, Visiting Scientist, Adjunct Faculty) during 2018 (Proofs to be enclosed as Annexure C8)(Guest lectures not to be included) **(Maximum 2 marks)**	**NIL**	**NIL**
Faculty coming from outside University (Minimum 1)	1 mark	
Faculty of University going to other University (Minimum 1 faculty)	1 mark	
C9. Number of Enterprises / start-ups promoted by the University (List is to be provided as Annexure C9) **(Maximum 2 marks)**		**65**
1 - 2	1 mark	
More than 2	2 marks	**02**
C10. Percentage of Students employed in Public/Private/Banking Sectors (List is to be provided as Annexure C10) **(Maximum 2 marks)**		**106/454=23.34**
10 – 20 percent	1 mark	
More than 20 percent	2 mark	**02**
	100 marks	**70**

Sher-e-Kashmir University of
Agricultural Sciences & Technology of Kashmir

Prof. (Dr.) Masudul Haq Wani
Registrar

www.skuastkashmir.net

DECLARATION

It is certified that the information provided in the proforma is correct and the responsibility of accuracy and authenticity of the data lies with the university.

It is to declare that the entire filled-in proforma was uploaded on the website of the university and it is available at **www.skuastkashmir.ac.in**. It is further declared that the documents shall be made available till next ranking.

REGISTRAR
SKUAST-K
Shalimar, Srinagar,
Jammu & Kashmir.

(Signature of the Registrar)
Seal

Date: 07-06-2019

Address: Shalimar Srinagar, 190025, J&K, India Telfax: 0194-2461271; Cell No: +91-9149554807; 9906686011; digital mail: registrar@skuastkashmir.ac.in

Annexure A-1

Number of UG students got ICAR-PG Scholarships during 2018 out of UG students passed outs in those disciplines.

S.No.	Number of students got ICAR PG scholarships in 2018	Total No. of UG students passed out in 2018	%
1.	**7**	**84**	**8.33**

S.No.	Name of the student
1.	A MohsinHaris
2.	Sameer Gul
3.	SaqibManzoor
4.	UmerNazir
5.	NasheemanJabeen
6.	RidaReyaz
7.	NailaMajeed

Annexure-A2

List of students got admission in Master's program during 2018 through ICAR entrance examination

S.No.	Number of students got admission in Masters program in 2018	Total No. of UG students passed out in 2018	%
1.	**40**	**276**	**14.49**

S. No	Name of the Student with Parentage
1.	Muthyala Jyothsna
2.	Manobharathi K
3.	Subham Roy
4.	Prem Ranjan
5.	Saatu Madhu
6.	Sandeep Kumar
7.	Auqib Malik
8.	Varun Pratap Singh
9.	Ather Kareem
10	Mehrajul Hassan
11	Saima Mushtaq
12	Gowher Ali Ahmad
13	Rajat Janua
14	Chigurpati Sai Prasanth
15	Nasheeman Jabeen
16	Rida Reyaz
17	Naila Majeed
18	Mohammad Ashraf Malik
19	Nahida Qayoom
20	Dani Rupa
21	Haziq Qayoom
22	Sameer Wani
23	Benatul Behar
24	Shahnaz Fatima
25	Humera Gulzar
26	Shaista Khan
27	Snowber Zehra
28	Mujeeburahman
29	Amira Bashir
30	Aadil Bashir
31	Bilkees Ayoob

32	Tuybia Bilal
33	Achili Tayu
34	Asnain Khateeb
35	Oyais Ahmad Wagay
36	Midhat Bilal
37	Sabreen Nazir
38	Aniqa Bashir
39	Tugo Riba
40	Nimat Syed

Annexure A3

Number of Masters students who got admission in PhD through ICAR entrance Examination during 2018.

S.No.	Number of students got admission in Masters program in 2018	Total No. of UG students passed out in 2018	%
1.	5	95	5.26

S.No.	Name of the student
1.	Khalid Bashir
2.	Uaise bin Farooq
3.	Gazanfar Abbas
4	Harish Kumar
5.	Sababukhari

Annexure-A4

List of Masters' students got admission in Ph.D. through ICAR entrance examination during 2018

S.No.	Number of students got ICAR PG scholarships in 2018	Total No. of UG students passe in 2018	%
1.	**5**	**33**	**15.15**

S.No	Name of the Student with Parentage
1.	J. Radha Krishna
2.	UmbarkarPoojaAshokrao
3.	Khalid Bashir
4.	Uaise bin Farooq
5.	Gazanfar Abbas

Annexure A6

Number of students got ARS in the disciplines offered by the university in 2018

S.No.	Number of students got ARSin the disciplines offered by the university in 2018	Total No. of seats available in such disciplines advertised by ASRB	%
1.	2	12	16.6

S.No.	Name of the student	Discipline
1.	Dr Nasir-ul-Rashid Rather	Farm Machinery and power Engg (Senior scientist CSIR)
2.	K Stephen	Plant Physiology

Annexure-A7

Number of students qualified NET in the disciplines of agriculture and allied sciences

S.No.	Number of students qualified NET in the disciplines of agriculture and allied sciences	Total No. of PG and PhD students	%
1.	**56**	**127**	**44.09.**

List of students who qualified NET exam during 2018

S.No	Name of the student
1.	AbidShowket, 15/Ag(Entom)/2015-D
2.	Ritesh Kumar, 05/Ag(Entom)/2015-M
3.	AoufaMushtaq, 14/Ag(Entom)/2015-M
4.	UzmaArifie, 22/Ag(Entom)/2015-M
5.	KawserRasool , 31/Ag(Entom)/2015-M
6.	RozyRasool, 24/Ag(Entom)/2015-M
7.	Roaf Ahmad Rather, 28/Ag(PP)/2015-M
8.	Hafizullah, 10/Ag(Entom)/2015-M
9.	Miss Sabah Parvaze (Soil & Water Conservation Engg.)
10.	Mr Syed Rouhallah Ali (Soil & Water Conservation Engg.)
11.	SabhaBukhari(Animal Genetics and Breeding)
12.	AmbreenHamdani(Animal Genetics and Breeding)
13.	Abha Maryam(Vety. Pathology)
14.	BismaAyoubKashani(Vety. Pathology)
15.	Tahir Nazir(Livestock Products Technology)
16.	Quratul Ain(Vety Medicine)
17.	MalihaGulzar(Vety Public Health)
18.	Batool Azad(Vety Medicine)
19.	Muzamil Rashid(ARGO)
20.	Naseer Ahmad Mir(ARGO)
21.	Insha Amin(Vety Biochemistry)
22.	TouseefAkram(Animal Biotechnology)
23.	TufailHussain(Vety Medicine)
24.	Ifat Ashraf(Vety Medicine)
25.	AbrarulHaq(Vety Medicine)
26.	Muheet(Vety Medicine)
27.	TassaduqKhaliq(Poultry Science)
28.	FarukhMehraj(Animal Nutrition)

29.	SubataMehboob(Animal Nutrition)
30.	ShibaZahoor (NET in Agroforestry)
31.	IshratSaleem (NET in Agroforestry)
32.	Azeem Raja (NET in Agroforestry)
33.	Mehraj Dar (NET in Agroforestry)
34.	AfshanAnjum Baba (NET in Agroforestry)
35.	SohaylWani (NET in Agroforestry)
36.	BasiraMehraj (NET in Agroforestry)
37.	Ummar Atta (NET in Agroforestry)
38.	FarhanMehraj(Soil science)
39.	Rehana Jan (Soil science)
40.	BiyyalaSrinivassulu (Vegetable science)
41.	Mr. Zubair Ahmad Dar (2015-540-D)/UGC-NET, Environmental science
42.	Ishrat Bashir (2016-653-D)/ASRB-NET, Environmental science
43.	Ms. Azra Amin (2017-736-D) /ASRB-NET, Environmental science
44.	Iramrasool 2016-655-D, Entomology
45.	Shifa 2016-656-D, Entomology
46.	Deelak Amin 2016-657-D, Entomology
47.	MeinazNissar 2016-658-D, Entomology
48.	Ejaz Ah. Parray, Fruit science
49.	Mohsin Ah. Hajam, Fruit science
50.	IqraFayaz Khan, Fruit science
51.	SahidQayoom, Fruit science
52.	Ab. WaheedWani, Fruit science
53.	Ishaq Ah. Bhat, Fruit science
54.	ShabnamAhad, Fruit science
55.	Rehana Jan, Soil science
56.	BiyyalaSrinivassulu, Vegetable science

Annexure-A8

Percent of faculty positions filled in teaching ,research and extension, KVK, AICRP and at regional stations

S.No.	Faculty/Research & Extension Stations/Units/KVKs/AICRP	Professor/CS & Equiv.			Assoc. Prof./Sr. Scientist & Equiv.			Asstt. Prof./Jr. Scientist & Equiv.			Total		
		Total	**Filled**	**Vacant**	**Total**	**Filled**	**Vacant**	**Total**	**Filled**	**Vacant**	**Total**	**Filled**	**Vacant**
1.	FVSc& AH	19	7	12	37	17	20	67	65	2	123	89	34
2.	Faculty of Fisheries	6	1	5	17	0	17	26	13	13	49	14	35
3.	Faculty of Horticulture	10	5	5	26	22	4	75	65	10	111	92	19
4.	Faculty of Agriculture	4	3	1	19	8	11	53	43	8	76	54	22
5.	Faculty of Forestry	0	0	0	6	3	3	13	10	3	19	13	6
6.	Regional/Res./Ext. Stations/Colleges	5	3	2	24	16	8	82	60	22	111	79	32
7.	Directorates	4	2	2	6	3	3	13	10	3	23	15	8
8.	KVKs	0	0	0	13	13	0	76	63	13	89	76	13
9.	AICRP	0	0	0	15	14	1	21	19	2	36	33	3
	Total	**48**	**21**	**27**	**163**	**96**	**67**	**426**	**348**	**76**	**637**	**465**	**172**

Annexure-A-10 (Proofs attached)

National and International awards (earned by faculty) during 2018

S. No.	Year	Name of awarding Institute	Name of Awardees	National/International Awards	Type of award
1.	2018	DST	**Dr. Nazir A Ganaie**	INSA Best teacher Award	INSA,New Delhi
2.	2018	International Conference on "Worldwide Research Initiatives for Agriculture Science & Technology	**Syed Mudasir Andrabi**	Mid Carrier- 2018	APACON-2018 ICAR, IVRI
3.	2018	In international Conference on "Worldwide Research Initiatives for Agriculture Science & Technology	**Syed Mudasir Andrabi**	Young Scientist Scholarship	11thWorld Congress on Genetics and Applied Livestock Production, New Zealand
4.	2018	SFE BES conference held at Glasgow, UK	**Khalid Z. Masoodi**	Journal Award for publishing best paper in Endocrinology	International Society of Endocrinology, Glasgow, United Kingdom (19th Nov 2018)
5.	2018	Zoological Society of India	**Dr. K.A.Sahaf**	Prof P N Panday Medal	National
6.	2018	Zoological Society of India	**Dr. Mohd Farooq Baqual**	Senior Scientist Award	National
7.	2018	Society for Science and Nature	**Dr. Mohd Farooq Baqual**	Lifetime Achievement Award in Applied Botany at Jodhpur, Rajasthan	National
8.	2018	Society for Science and Nature	**Dr Syed Zia ul Haque Rufaie**	1. Lifetime Achievement Award in Sericulture at Jodhpur, Rajasthan	National
9.	2018	2.Society for Life Sciences	**Dr. Ravinder Kumar Sharma**	2.Eminent Scientist Gold Medal	National
10.	2018	3.Society for Science and Nature	**Dr. Ravinder Kumar Sharma**	. Best Scientist Award	National
11.	2018	National Conference on Sustainable	**Dr. Rohitashw Kumar**	Best paper award of title: Modelling of hydraulic properties of water and	National

		management of soil and water resources for doubling farmer income'' to be during 25-27 October, 2018 at Assam Agricultural University Jorhat		soil under organic and inorganic condition under polyhouse condition of temperate region of Kashmir	
12.	2018	Society for Upliftment of Rural Economy	**Dr. Purshotam Singh**	Distinguished Scientist Award	National
13.	2018	SURE &ICAR-Research Complex for Eastern Region/ Birla Institute of Technology Bihar	**Dr. Parmeet Singh**	Best Teacher Award	National
14.	2018	Dr. Anamitra Saha Prize	**Prof. S. A. Wani**	Best Journal Paper of the Year	Indian Society of Agricultural Economics, Mumbai
15.	2018	Zoological Society of India	**Firdous Ahmad Malik**	B K Kulkarni Medal	National
16.	2018	Zoological Society of India	**Firdous Ahmad Malik**	Ou t standing research Award	National
17.	2018	Indian Poultry Science Association	**AA Khan**	First Position in Oral Presentation	National

A-10

भारतीय राष्ट्रीय विज्ञान अकादमी

Indian National Science Academy

FOUNDED IN 1935

INSA Teachers Award

for the Year 2018

to

Nazir Ahmad Ganai

Sher-e-Kashmir University of Agricultural Sciences and Technology, Srinagar

at the Anniversary General Meeting

on 28 December 2018

VICE PRESIDENT

PRESIDENT

ANNEXURE A-10

MICHIGAN ROSS
EXECUTIVE EDUCATION

भारतीय प्रौद्योगिकी संस्थान रूड़की
Indian Institute of Technology Roorkee

This certificate is awarded to

Nazir Ahmed Ganai

for successfully completing the

Leadership for Academicians Programme

held from

November 17 December 7, 2018

M.S. Krishnan
Associate Dean, Executive Programs
Ross School of Business

Melanie A. Barnett
Chief Executive Education Officer
Ross School of Business

Ajit K. Chaturvedi
Director
Indian Institute of Technology Roorkee

Animal Physiologists Association (APA)

(Regd. No. B- 46073/R-741)

Certificate

APA Mid Career Award–2018

is presented to

Dr. Syed M. Ahmad

(V.P. Maurya)
(General Secretary, APA)

(G. Taru Sharma)
(President, APA)

APACON-2018, ICAR-IVRI, IZATNAGAR, UP, INDIA

- Mid Carrier- 2018. Annual Conference of Animal Physiologist Association (PACON -2018), ICAR-IVRI, Izatnagar UP.
- Young Science fellowship for 11th World Congress on Genetics Applied to Livestock Production from Feb. 11-16, 2018 at, New Zealand.

Society for Endocrinology

AWARD CERTIFICATE

SOCIETY FOR ENDOCRINOLOGY JOURNAL OF ENDOCRINOLOGY AWARD 2018

AWARDED TO

Khalid Masoodi

PROFESSOR GRAHAM WILLIAMS
PRESIDENT

(24)

OLOGICAL SOCIETY OF INDIA

(ESTD. 1939)

Registered under Society Registration Act XXI, 1860, Regd. No. 302/2002-2003

Prof. P. N. Pandey Medal

2018

is being conferred on

Prof. Khursheed Ahmad Sahaf

Srinagar (J. & K.)

by

Zoological Society of India

Bhupendra nath Pandey

President

Zoological Society of India

Place : Srinagar

Date : 04th August, 2018

ZOOLOGICAL SOCIETY OF INDIA

(ESTD. 1939)

(Registered under Society Registration Act XXI, 1860, Regd. No. 302/2002-2003

(6)

Prof. B.B. Kaliwal Medal

2018

is being conferred on

Dr. M. F. Baqual

Srinagar

by

Zoological Society of India

Place : Kurukshetra
Date : 15th February, 2018

President
Zoological Society of India

Reg. No.:03/2004-05

SOCIETY FOR SCIENCE AND NATURE

Registered under Societies Registration Act XI of 1860
www.scienceandnature.org

Ph. No: +918707885679
Ref. No: SFSN/ Semi/Award/03
Dated: 03/12/2018

16

To,

M. F. Baqual
College of Temperate Sericulture
Shere Kashmitr University of Agricultural Sciences and Technology of Kashmir

Sub: Initial selection for Award in the Category of Life Time Achievement - Reg.

Dear Sir/ Madam,

I have immense pleasure to inform that you are selected for the award by the selection committee initially selected for the awards in the category of Scientist of the Year 2018 on the basis of your award form and your curriculum vitae specially your work in the field of Applied Botany. Your presence is compulsory in the seminar entitled " Recent Trends and Experimental Approached in Science, Technology, Nature and management" held at FDDI, Jodhpur on 23rd and 24th December, 2018 to presentation your views in you topic and receiving of award will be 24th probably. You will be given one Momento and a certificate. You are requested to finalize your travel programme with intimation to the Organizing Secretary and requested to send your registration, Life member and Nomination fees immediately to the organizer (DD or direct Transfer through NEFT).

As you are Society Life Member you should promote their aim and activity in future. The main aim of the Society aims to promote scientific and technological research concerned with the problems of the national welfare.

You are further requested to arrange your T.A/D.A from your parent organization as due to paucity of fund, it will not be possible for the organizer to reimburse your travel expenditure.

Send maximum 200 words write up with Name, designation and your major contribution in R & D.

We look forward your valuable participation and significant contribution in the Seminar.

With warm regards,

Dr. Shishir Kumar Gangwar,
President (Society for Science & Nature) and
Senior Scientist, RPCAU, PUSA, Samastipur, Bihar.

S.No. 03 Dr. Syed Zia-ul-Haque Rufaie

(7)

FDDI

Oura Prakashan

Certificate of Participation

International Seminar

on

Recent Trends and Experimental Approaches
In Science, Technology, Nature and Management

(Chapter - 2)

December 23rd - 24th, 2019

at FDDI Jodhpur, Rajasthan, India

Lifetime Achievement Award

presented to

Dr. Syed Zia-ul-Haque Rufaie

Temperate Sericulture Research Institute, Mirgund, SKUAST-Kashmir

for

Out Standing Contribution in Sericulture

Jointly organized by

SOCIETY FOR SCIENCE AND NATURE

in collaboration with

FDDI & Oura Prakashan

S.No. 4 Dr. R.K. Sharma

ZOOLOGICAL SOCIETY OF INDIA

(ESTD. 1939)
(Registered under Society Registration Act XXI, 1860, Regd. No. 302/2002-2003

Citation

to

Dr. Ravinder Kumar Sharma

for

Outstanding Research & Academic Contribution in the field of Sriculture

Place : Kurukshetra
Date : 15th February, 2018

Prabhu Nath Pandey
President
Zoological Society of India

ZOOLOGICAL SOCIETY OF INDIA

(ESTD. 1939)

(Registered under Society Registration Act XXI, 1860, Regd. No. 302/2002-2003

Madhavi Shyam Medal

2018

is being conferred on

Dr. Ravinder Kumar Sharma

(8)

Srinagar

by

Zoological Society of India

Prabhu Nath Pandey

President

Zoological Society of India

Place : Kurukshetra

Date : 15th February, 2018

International Seminar

on

Recent Trends and Emerging Approaches in Science, Technology, Nature and Management

Chapter - 2

December 23rd, 24th 2018

at FDDI, Jodhpur, Rajasthan, India

Best Scientist Award

Presented to

Dr. Ravinder Kumar Sharma

Asst. Prof. (SS) College of Temperate Sericulture SKUAST-Kashmir

for

Out Standing Contribution in field of Silkworm Pathology

Jointly organized by

SOCIETY FOR SCIENCE AND NATURE

in collaboration with

FDDI & OUR [illegible]

President

Vice Chairman

Chairman

10

Certificate

12

Dr. Rohitashw Kumar

Is honoured with the
'Special Research Award'
for the year 2017 towards his dedicated efforts and contribution
in the field of Soil moisture Conservation
and Management.

Soil Conservation Society of India
G-4 A, National Societies Block,
National Agricultural Science Centre Complex
DPS Marg, Pusa, New Delhi-110012

(Dr. Suraj Bhan)
President
Soil Conservation Society of India
25 October 2018, Jorhat, Assam

Soil Conservation Society of India
New Delhi

Citation

Special Research Award - 2017

Dr. Rohitashw Kumar, Associate Professor at She-e- Kashmir University of Agricultural Sciences and Technology of Kashmir, Srinagar, India. He obtained his Ph.D. degree in the Water Resources Engineering from NIT, Hamirpur and Master of Engineering Degree in Irrigation Water Management Engineering from MPUAT, Udaipur. He got Student Incentive Award-2015 (Ph.D. Research) towards significant contribution in research on modelling of soil moisture management for crop production sub-temperate sub-humid and semi- arid agro-climates by Soil Conservation Society of India, New Delhi. He has also got first prize in India for best M. Tech thesis award in Agricultural Engineering in year 2001. He has been graduated from Maharana Pratap University of Agricultural and Technology, Udaipur, India in Agricultural Engineering. He has published over 75 papers in peer-reviewed journals articles, 2 practical manual and 15 book chapters. He has guided 10 post graduate students in discipline of soil and water engineering. He headed Division of Agricultural engineering more than 3 years handled several research projects as a principal and co-principal investigators. Presentably he is principal investigator of All India Coordinated Research Project on Plasticulture Engineering and Technology.

In view of his experience and significant contribution in the field of Soil moisture conservation and Management and Plasticulture engineering, Soil Conservation Society of Indian is pleased to honour him "Special Research Award" for the year 2017 on the occasion of 27th National Conference on "Sustainable Management of Soil and Water Resources for Doubling Farmers Income" during 25-27 October, 2018 organized at Assam Agricultural University, Jorhat.

25 October, 2018

(Jagat Vir Singh)

(Suraj Bhan)
President

SOCIETY FOR UPLIFTMENT OF RURAL ECONOMY

VARANASI (INDIA)

The Executive Committee of the Society Confers its

Distinguished Scientist Award-2017

on

Dr. Purshotam Singh

SKUAST- Kashmir, Shalimar, Srinagar, (J&K), India

for his outstanding contribution in the field of

Agronomy

on the occasion of

International Conference on Rural Livelihood Improvement for Enhancing Farmers' Income through Sustainable Innovative Agri and Allied Enterprises (RLISAAe) organized by Society for Upliftment of Rural Economy Varanasi, India in collaboration with Bihar Agricultural University, Sabour; DRRPCAU, PUSA, Bihar Animal Sciences University, Patna, ICAR-ATARI and BIT Patna during 30th October – 01st November 2018 at BIT, Mesra (Patna Campus).

Manju Lata Singh
(Manjulata Singh)
President

(Sanjeev Kumar)
Organizing Secretary

(Anil Kumar Singh)
Chief Organizing Secretary

SOCIETY FOR UPLIFTMENT OF RURAL ECONOMY

VARANASI (INDIA)

The Executive Committee of the Society Confers its

Best Teacher Award-2016

on

Dr. Parmeet Singh

Senior Scientist Cum Head

SKUAS & T, Shalimar (J&K)

for his outstanding contribution in the field of

Agronomy

on the occasion of

International Conference on Rural Livelihood Improvement for Enhancing Farmers' Income through Sustainable Innovative Agri and Allied Enterprises (RLISAAe) organized by Society for Upliftment of Rural Economy Varanasi, India in collaboration with Bihar Agricultural University, Sabour; DRRPCAU, PUSA, Bihar Animal Sciences University, Patna, ICAR-ATARI and BIT Patna during 30th October – 01st November 2018 at BIT, Mesra (Patna Campus).

Manjulata Singh
(Manjulata Singh)
President

(Sanjeev Kumar)
Organizing Secretary

(Anil Kumar Singh)
Chief Organizing Secretary

(15)

The Indian Society of Agricultural Economics

C-104, First Floor, Sadguru Complex-1, Near Vageshwari,
Gen. A.K. Vaidya Marg, Goregaon (East), Mumbai-400 063 (India)
Gram: "INDAGRECON", Phone: 022-28493723, Fax: 022-28493724
E-mail:isae@bom7.vsnl.net.in, Website:www.isaeindia.org

This is to certify
that the research paper entitled

"Negative Externalities in Kashmir Lake Fisheries: Transformation in Species Patronage, Use Priorities and Policy"

by

Neha W. Qureshi, M. Krishnan, S.A. Wani, V. Ramasubramanian, N. Sivaramane and C. Sundaramoorthy

(Published in the January-March 2017 issue of the Journal)
was adjudged the best among the papers published
in the Indian Journal of Agricultural Economics in 2017
and was awarded the

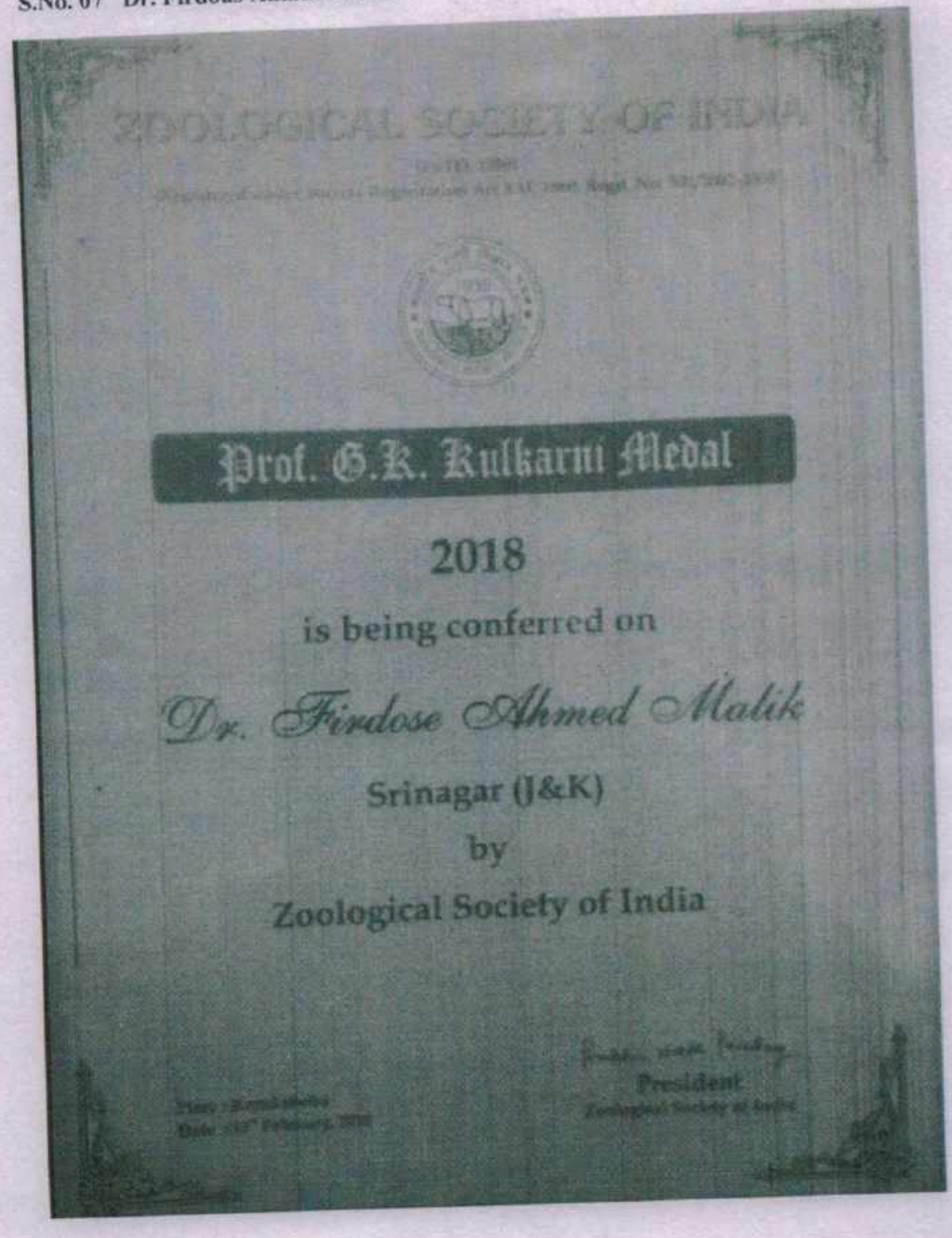
Dr. Anamitra Saha Prize
by the Indian Society of Agricultural Economics

The announcement of the Prize Award was made
at the Seventy Eighth Annual General Meeting of the Society
held at the NASC Complex, IFPRI, New Delhi
under the auspices of Institute of Economic Growth, Delhi
on November 3, 2018

C.L. Dadhich
Honorary Secretary & Treasurer
November 3, 2018

(11)

S.No. 07 Dr. Firdous Ahmad Malik



ZOOLOGICAL SOCIETY OF INDIA

Prof. G.K. Kulkarni Medal

2018

is being conferred on

Dr. Firdose Ahmed Malik

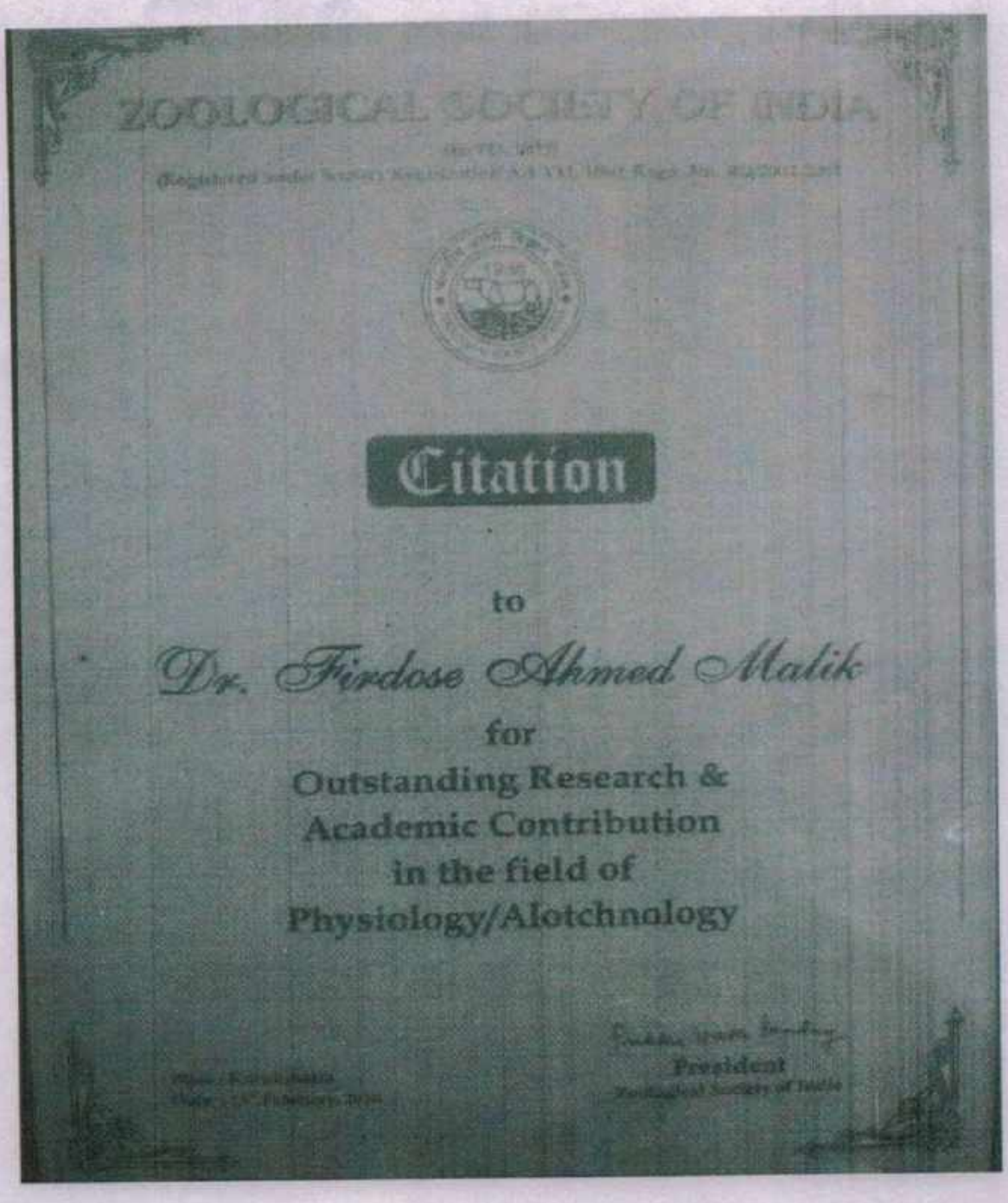
Srinagar (J&K)

by

Zoological Society of India

President

Zoological Society of India


ZOOLOGICAL SOCIETY OF INDIA

Citation

to

Dr. Firdose Ahmed Malik

for

Outstanding Research &
Academic Contribution
in the field of
Physiology/Alotchnology

President

IPSACON - 2018

CIARI
ICAR

XXXV ANNUAL CONFERENCE OF INDIAN POULTRY SCIENCE ASSOCIATION

ON

RURAL POULTRY PRODUCTION :
CHALLENGES FOR SUSTAINABLE ENTREPRENEURSHIP DEVELOPMENT

November 15-17, 2018

Certificate of Award

This is to Certify that Azmat Alam Khan et al.

Presented a lead / oral / poster on Strengthening livelihood and increasing...

This presentation was awarded FIRST

Dr. T. SUJATHA
Organizing Secretary

Dr. A. JALALUDEEN
President

Dr. A. KUNDU
Chairman

ANNEXURE A-11

ANNEXURE A-II

A-11

ANNEXURE A-11

SKUAST-KASHMIR Bags Second Position in All India JRF Examination

Sher-e-Kashmir University of Agriculture Science & Technology of Kashmir bagged second position in All India Junior Research Fellowship Examination conducted by Indian Council of Agricultural Research, New-Delhi in 2018 for admission to Postgraduate programme. This award has been given to the SKUAST-Kashmir in the field of Animal and Fisheries Science. The award is being given to the Universities securing highest number of Postgraduate Scholarships.

Shri Radha Mohan Singh, Union Minister of Agriculture & Farmers Welfare presented the award to Prof. Nazeer Ahmed, Vice-Chancellor, SKUAST-Kashmir today during inaugural ceremony of All India Annual Vice-Chancellors Conference of the Agriculture Universities at NASC Complex, New Delhi.

Prof. Nazeer Ahmed, Vice-Chancellor congratulated the teachers and students for bringing laurels to the university and also advised other Faculties of the University to emulate this excellent performance in making the university to attain much more heights.

For R(UC)

SVC 4/2

ICAR-Central Institute of Fisheries Education

(University under Sec.3 of UGC act 1956)
Indian Council of Agricultural Research
Panch Marg, Off Yari Road, Versova, Andheri(W), Mumbai - 400 061

Third Best Cultural Team

This is awarded to

Faculty of Fisheries, (SKUAST-K)

during ICAR NAHEP sponsored 3rd Student Convention

Next Generation Aquaculture:

Panacea to Employment Challenges

at **ICAR-Central Institute of Fisheries Education, Mumbai**

during 25-26 March, 2019

26 March, 2019

(Gopal Krishna)
Director / Vice Chancellor

ANNEXURE - A-12

Annexure-A13

Fellowship, Associateshipof National Science Academies
(NAAS,INSA,NAS,NAMS,INAE etc. achieved during 2018)

S. No.	Name of Fellowship	Name of Scientist
1.	Fellow of Society of life Sciences (F.S.L.Sc.)	Dr. Anayitullah Chesti, Assistant Professor, Faculty of Fisheries
2.	Fellow of The Academy of Environmental Biology	Dr. Gohar Bilal, Associate Professor, Faculty of Fisheries
3.	DST	Ms. Rufaida Mir
4.	DST	Ms. Javaria Jeelani
5.	INSA	Dr. Sajad Hussain Mir
6.	IAVPHS	Dr Zia ul Hassan Munshi
7.	DST	Dr Nadeem Shabir
8.	Academy for Env And Life Science	Dr Mohd Moin Ansari

A-13/(4)

IndiaAlliance
DBT wellcome

Private and Confidential

Professor Riaz Ahamd Shah
Professor and Head Of The Department
Division of Biotechnology
Sher-e-Kashmir University of Agricultural Sciences and Technology
Srinagar 190006
India

E-mail: grants@indiaalliance.org
Tel: Hyderabad:+91 40 4018 9445
New Delhi:+91 11 4100 8403

Our Ref: IA/E/17/1/503703

27 December 2018

Dear Professor Shah,

The Wellcome Trust/DBT India Alliance has agreed to award **Dr Nadeem Shabir** an Early Career (Basic) Fellowship for 60 months for his study entitled, **"Regulating reversion to virulence in live attenuated Infectious Bronchitis virus vaccine by enhancing its genetic stability"**, under your sponsorship.

The India Alliance reserves the right to amend any terms and conditions in this Award Letter.

In the event of any conflict between the provisions of this Award Letter and of the Award Conditions, the provisions of the Award Conditions shall take precedence. **An award of up to ₹ 1,58,19,100.00 has been provided to the Sher-e-Kashmir University of Agricultural Sciences and Technology (hereinafter referred to as 'Host Institution') for this purpose.**

ANNEXURE - A13

THE ACADEMY OF ENVIRONMENTAL BIOLOGY

FAEB/2018

Devoted in theory and practice to the promotion of knowledge and research in environmental sciences and environmental management

This is to certify that

DR. GOHAR BILAL WANI

is a LIFE FELLOW of the Academy of Environmental Biology, India and is fully entitled to all the rights, privileges and responsibilities as specified by the constitution and bylaws. He/She is permitted to write the abbreviation FAEB after his/her name.

Gopal

Secretary(HQ)

03 'OCTOBER' 2018

A-13

Rising Kashmir
Srinagar, Friday 19 October 2018

SKUAST KASHMIR

SKUAST–K FISHERIES SCIENTISTS ASSOCIATION (SFSA)

FACULTY OF FISHERIES, RANGIL GANDERBAL

Dr. GOHAR BILAL HONOURED

A general body meeting of SKUAST-K Fisheries Scientists Association (SFSA) was held at Faculty of Fisheries, Rangil on 15th October 2018, to felicitate Dr. Gohar Bilal Wani, Associate Professor (Aquaculture Engineering) on being awarded Fellow of Academy of Environmental Biology (FAEB) during 38th Annual session of the Academy of Environmental Biology held at Dr R.L. Awadh University Faizabad U.P. on 3rd October 2018.

The award was conferred to Dr. Gohar Bilal Wani, in presence of Prof. (Dr) Manoj Dexit, Hon'ble Vice-Chancellor, Dr. R. L. Awadh University, Prof Alok Bhawan Director Indian Institute of Toxicology Research and dignitaries from other universities / institutes of the country.

Sd/-
Dr. Adnan Abubakr
President, SFSA

For kind perusal please

19/10/18

UC meeting Hon'ble VC

SVC

Academy for Environment and Life Sciences

(Society Regd. Under Act 21, 1860)

Certificate of Membership

This is to certify that

Dr. Md. Moin Ansari

[Sr. Scientist, SKUAST, (J & K), India]

having satisfied the academic requirements and professional experience according of AELS's Constitution and Byelaws is duly elected as

Fellow

and entitled to use designation, **FAELS**

Membership ID: 438.2018

Manish Kumar

Dr. Manish Kumar

Secretary, AELS

www.aelsindia.com


INDIAN ASSOCIATION OF VETERINARY PUBLIC HEALTH SPECIALISTS
In recognition of significant contributions
for the Advancement of
Veterinary Public Health
Dr Ziaul Hassan Munshi
has been admitted on Oct. 12, 2017 as
FELLOW
of
Indian Association of Veteri y Public Health Specialists
JPS GILL
General Secretary
ASHOK KUMAR
President

A 13 (2)

(5)

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
Department of Science & Technology
Technology Bhavan, New Mehrauli Road, New Delhi-110016

No. DST/AORC-IF/UPGRD/2017-18 Dated: 21.08.2017

Subject: Up gradation from JRF to SRF for **Mr./Ms. Juvaria Jeelani Nawchoo (IF150562)** working in the Department of **Soil Science, Sher-e-Kashmir University of Agricultural Science & Technology , Shalimar Campus PB No. 262, PINcode:190001 , JAMMU AND KASHMIR.**

Dear **Mr./Ms. Juvaria Jeelani Nawchoo,**
Based on your assessment report received at DST, I am pleased to inform you that your assessment report has been accepted and now you have been upgraded from Junior Research Fellow (JRF) to Senior Research Fellow (SRF). Your Fellow amount will be governed by OMs issued time to time by this Ministry.

The effective date of SRF activation for your Fellow would be **04.07.2017 (DD.MM.YYYY)**
Instructions :-

- There is no provision of making SRF activation date prior to SRF assessment date.
- If your SRF assessment has taken more than Two years to complete, in such case the SRF activation date would be the date of assessment .
- The payment of Fellow as SRF will be made from the date of SRF activation.
- Any claim of Fellow as retrospective payment, will not be considered by this ministry.

Wish you all the best.

(Dr. Chhama Awasthi)
Scientist 'B'

To
No. DST/AORC-IF/UPGRD/2017-18

Mr./Ms. Juvaria Jeelani Nawchoo
Buchpora Sarfi colony lane no 03
house no 42, Srinagar,
JAMMU AND KASHMIR - 190001

Copy to for kind information:

No. DST/AORC-IF/UPGRD/2017-18

Dr N A Kirmani
Research Supervisor
Department of Soil Science
Sher-e-Kashmir University of Agricultural Science & Technology ,
Shalimar Campus PB No. 262,
PINcode:190001 , JAMMU AND KASHMIR

A 13 (3) (6)

SKUAST Shalimar Srinagar – 190025

University Order No. 1005 (Est.) of 2018
Dated 11.12.2018

As recommended by Dean, Faculty of Agriculture, Wadura and approved by Competent Authority, Dr. Sajad Hussain Mir, Assistant Professor-cum-Junior Scientist (Entomology), Faculty of Agriculture, Wadura is permitted to avail IASc-INSA-NASI Summer Research Fellowship-2018 for a period of eight weeks (56 days-including Sundays ad General Holidays) w.e.f. 1st January, 2019 at Central University of Kerala, Kasargod under the surveillance and supervision of Dr. Palatty Allesh Sinu, on the following terms and conditions:

- That the deputee shall be entitled to pay only and no-financial assistance from the University for the purpose shall be provided;
- That no extension over and above the period of sponsorship for fellowship of 56 days w.e.from 01.01.2019 shall be granted;
- That immediately after completion of fellowship, the deputee shall join his assignment at his present place of posting ;
- The scientist shall follow and abide by the terms and conditions as laid in the letter of selection/award of Fellowship issued by the Host Institute

Journey days shall be in addition to business days.

By Order

Sd/-
Registrar

No. Au/Adm/Depu/18/14858-62
Dated: 11.12.2018

Copy for information and necessary action to the:

- Dean, Faculty of Agriculture, Wadura. This bears reference to his UO communication No FoA/Estt/2018/7682 dated 04.12.2018
- Head, Division of Entomology, FoA, Wadura
- Concerned for information and compliance
- Secretary to Vice-Chancellor, SKUAST of Kashmir, Shalimar.
- DDO, FoA, Wadura
- Personal file of the concerned.
- University Order file (w.3.s.c).

SOCIETY OF LIFE-SCIENCES

The Society

has great pleasure

in conferring

Honorary Fellowship (F.S.L.Sc.)

of the Society to

Dr. **Anaytullah Chesti, Srinagar (J&K)**

for his outstanding contributions

in the field of Life Sciences.

CERTIFICATE Of Fellowship

(Prof. R. M. Mishra)
Ex-Vice Chancellor
A. P. S. University, Rewa
Chairman Committee for Membership

(Dr. Shivesh P. Singh)
D.Sc.
General Secretary
The Society of Life Sciences

Satna (M.P.)
19.02.2019

Annexure-A14

Percentage of Faculty with PhD obtained from Universities from outside of the state where employed

S.No.	No. of Faculty with PhD obtained from Universities from outside of the state where employed	Total number of faculty	%
1	146	465	31.39

List of the faculty members and University where from Ph.D. obtained

S.No.	Name of the faculty member	University where from Ph.D. obtained
1.	Prof. Nazeer Ahmad	Punjab Agriculture University Ludhiana (PAU)
2.	Dr Masoodul Haq Wani	Chander Shekhar Azad University, Kanpur
3.	Dr Masood Balkhi	Kashmir University
4.	Dr Shakeel Ahmad Wani	HAU
5.	Dr Nazir A Ganaei	NDRI
6.	Dr Shabir A. Wani	NDRI
7.	Dr. Mohd Ashraf Bhat	Punjab Agriculture University Ludhiana (PAU)
8.	Dr. Tahir Ali	G.B. Panth Agri. University of Agricultural Sciences & Technology
9.	Dr. Mohammad Anwar Bhat	Punjab Agriculture University Ludhiana (PAU)
10.	Dr.A.H Hakeem	Punjab Agriculture University Ludhiana (PAU)
11.	Dr. M.A. Beigh	HAU, Hisar
12.	Dr. M. Anwar Khan	Punjab Agriculture University Ludhiana (PAU)
13.	Dr. Mushtaq Ahmad Dar	Punjab Agriculture University Ludhiana (PAU)
14.	Dr. S.Abdul Rouf	Solan, Himachal Pradesh
15.	Dr. Farooq Ahmad Sheikh	Punjab Agriculture University Ludhiana (PAU)
16.	Dr. Rakesh Vaishnavi	HPKV, Palampur, Hamachal Pradesh
17.	Dr. Zakir Hussain Khan	AUM, Aligarh
18.	Dr. Lal Singh	G.B.Pant University of Agriculture Sciences and Technology, Pantnagar
19.	Dr. Amjad Masood	AAIDU, Allahabad
20.	Dr. A. Abdullah Saad	IARI, New Delhi
21.	Dr. Mushtaq Ahmad Malik	BHAGWANT University Ajmair
22.	Dr. Zafer Mehdi Dar	BHU, Varanasi
23.	Dr. Manzoor Ahmad Yatoo	Indian Vetenary Research Institute, (UP)
24.	Dr. Shujjat Hussain Bhat	JNKVV, Jabalpur
25.	Dr. Syed Shafat Kubravi	JNKVV, Jabalpur
26.	Dr. Riyaz Rouf Mir	Choudry Charan Singh University Meerut
27.	Dr. Sanjay Kumar	Choudry Charan Singh University Meerut
28.	Dr. Angrez Ali	NDUAT, Faizabad
29.	Dr. Showkat Maqbool	AMU, Aligarh
30.	Dr. Sajad Abdullah Saraf	Allahabad Agriculture University
31.	Dr. Tariq Hussain Askary	AUM, Aligarh, Bihar
32.	Dr. Amir Hassan Mir	Allahabad Agriculture Institute Deemed University
33.	Dr. Inyat Mustafa Khan	Allahabad Agriculture Institute Deemed University

34.	Dr. Shahid Ahmad Hakeem	Allahabad Agriculture University
35.	Dr. Khalid Hussain	Centre for DNA finger Printing & Diagnostic Hyderabad
36.	Dr. Shabir Ahmad Ganai	Shastra University Thanjavur
37.	Dr. M.F. Baqual	University of Mysure, Croford Hall Mysure
38.	Dr. Shabir Ahmad Bhat	University of Mysure, Croford Hall Mysure
39.	Dr. Firdous Ahmad Malik	University of Mysure, Croford Hall Mysure
40.	Dr. Abid Khaliq	University of Mysure, Croford Hall Mysure
41.	Dr F Pandit	IVRI
42.	Dr I Hussain	AAU
43.	Dr S Qureshi	GADVASU
44.	Dr MA Paul	IVRI
45.	Dr. Sheikh Rafeh	IVRI
46.	S.A. Wani	IVRI
47.	Dr MM Darzi	PAU Ludhiana
48.	Dr S A Kamil	CCS HAU Hisar
49.	Dr P Goswami	GADVASU
50.	Dr D M Makdumi	CCS HAU Hisar
51.	Dr MM Ansari	IVRI
52.	DrMehraj-ud-Din Dar	Anand Agri Univ.
53.	DrMehraj-ud-DinNaikoo	Anand Agri Univ.
54.	Dr GN Sheikh	CCS HAU
55.	Dr AA Dar	IVRI
56.	Dr TK Sarkar	IVRI
57.	DrTausif	NDRI
58.	Dr A M Ganei	RAJUVAS
59.	Dr H A Ahmad	NDRI
60.	Dr H U Malik	PAU Ludhiana
61.	Dr MuzaffarShaheen	CCS HAU, Hisar
62.	Dr Shafayat A Beigh	SKUAST-J
63.	Dr ShowkatulNabi	IVRI
64.	Dr Syed Ashaq Hussain	GADVASU
65.	Dr RA Shahardar	IVRI
66.	Dr KH Bulbul	Assam Agri Univ.
67.	DrMassarat Khan	GADVASU
68.	Dr A R Choudhury	GADVASU
69.	DrFirdous A Dar	Kerala Veterinary College
70.	DrManzoor-ur-Rehman	University of Hohenheim, Stuttgart, Germany
71.	Dr Sheikh Bilal	SHIATS, Allahabad University, UP
72.	DrIshraq Hussain	SKIMS, J&K
73.	DrShowkeenMuzamil	NDVSU, Jabalpur
74.	Dr MT Banday	IVRI
75.	Dr A A Khan	IVRI
76.	Dr. IU Sheikh	Assam Agri Univ.
77.	Dr RA Patoo	GB Pant Agri Univ. Pantnagar
78.	DrRiaz A Shah	NDRI
79.	Dr Syed Mudasir Ahmad	BU, MP
80.	DrHinna F Bhat	Kashmir University
81.	Dr Nadeem Shabir	Korea
82.	Dr Ab. Hai	BAU Ranchi
83.	Dr AH Akand	IVRI
84.	Dr S A Hamdani	IVRI
85.	Dr. Zahoor A. Pampori	NDRI
86.	DrDilrubaHasin	AAU Assam

87.	DrOwais	NDRI
88.	Dr Fozia Shah	CCS HAU, Hisar
89.	Dr Ab. Shaqoor Bhat	IVRI
90.	Dr. Azad Ahmad Ahangar	IVRI
91.	DrAdilMehraj	GADVASU
92.	Dr Syed Wasif	GB Pant
93.	Dr. MR Fazili	HAU
94.	Dr N A Tufani	GBPant
95.	DrShahid H Dar	TANUVAS
96.	DrKhurshid A Sofi	CSK HPAU Palampur
97.	DrMudasir Bashir Gugjoo	IVRI
98.	Dr Raja Aijaz Ahmad	IVRI
99.	Dr M. Iqbal Yatoo	IVRI
100.	Dr H M Khan	NDRI, Karnal
101.	DrJavidFaroooq	SKUAST-J
102.	Dr Ab. Qayoom Mir	GADVASU
103.	DrMuzamil Abdullah	NDRI
104.	DrAijaz Ganai	NDRI
105.	DrRameez A. Dar	SKUAST-J
106.	Dr Nuzhat Hassan	GADVASU, Ludhiana
107.	Prof. TH Masoodi	Forest Research Institute (Deemed University) Dehradun Uttarakhand
108.	Prof. KN Qaisar	Dr YS Parmar University of Horticulture and Forestry Solan HP
109.	Prof. SA Gangoo	Dr YS Parmar University of Horticulture and Forestry Solan HP
110.	Prof. PA Khan	Dr YS Parmar University of Horticulture and Forestry Solan HP
111.	Prof. Anup Raj	Dr YS Parmar University of Horticulture and Forestry Solan HP
112.	Dr. MA Islam	Forest Research Institute (Deemed University)
113.	Dr. Akhlaq Amin Wani	Forest Research Institute (Deemed University)
114.	Dr. PA Sofi	Dr YS Parmar University of Horticulture and Forestry Solan HP
115.	Dr. Khursheed Ahmad	Aligarh Muslim University
116.	Dr Vaishnu Dutt	Dr YS Parmar University of Horticulture and Forestry Solan HP
117.	Dr Aasif Ali Gatoo	Dr YS Parmar University of Horticulture and Forestry Solan HP
118.	Dr NA Pala	HNB Garhwal University Uttarakhand
119.	Dr. AR Malik	Dr YS Parmar University of Horticulture and Forestry Solan HP
120.	Dr. P. Ishtiyak	Forest Research Institute (Deemed University) Dehradun Uttarakhand
121.	Dr. Maqbool Rather	Forest Research Institute (Deemed University) Dehradun Uttarakhand
122.	Dr. Junaid N. Khan	PAU, Ludhiana
123.	Dr. Jagvir Dixit	PAU, Ludhiana
124.	Dr. Rohitashw Kumar	NIT, Hamirpur
125.	Dr. Bashir A. Pandit	Russia
126.	Dr. Shahzad Faisal	IARI, New Delhi
127.	Dr. yogesh Pandey	IARI, New Delhi

128.	Dr. M.Muzamil	IARI, New Delhi
129.	Dr.Farooz Ah.Bhat	CIFE
130.	Dr.Bilal Ah.Bhat	CIFE
131.	Dr.Sajad Hassan Baba	CIFE
132.	Dr.Feroz Ah.Shah	CIFE
133.	Dr.Imran Khan	CIFE
134.	Dr.Adnan Abubakar	CIFE
135.	Dr.Irfan Ah.Khan	CIFE
136.	Dr.Gohar Bilal Wani	CIFE
137.	Dr.Oyais Ah.Asimi	CIFE
138.	Dr.Tasaduq H.Shah	CIFE
139.	Dr.Tariq Hussain Bhat	CIFE
140.	Dr.Anayatullah Chesti	CIFE
141.	Dr.Nasir Hussain	CIFE
142.	Dr.Mudasir M.Kirmani	CIFE
143.	Dr.Ashwani Kumar	CIFE
144.	Dr.Rizwana Malik	CIFE
145.	Dr.Mansoor Ah.Rather	CIFE
146.	Dr.Bilal Ah.Zargar	CIFE

Annexure-A15

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

S.No	Name of the scientist	Designation
1.	Prof. Nazeer Ahmad	Vice Chancellor
2.	Dr. D Ram	Jr. Extension Specialist
3.	Dr. AmalSaxena	Sr. Extension Specialist
4.	Dr. SafeerAlam	Dy. Director (Trgs)
5.	Dr. Sushil Kumar	Assoc. Prof/ Jr. Scientist
6.	Dr. Lal Singh	Assoc. Prof/ Sr.Scientist
7.	Dr. Yogesh Pandey	Assoc. Prof/ Jr.Scientist
8.	Dr. Tahir Ali	Professor
9.	Er. Jagvir Dixit	Assoc. Prof/ Sr. Scientist
10.	Dr. R.M Shukla	Post-Harvest Technology
11.	Dr. R. Kumar	Research Engineer
12.	Dr.Tarique Hassan Askary	Assoc. Prof/ Jr.Scientist
13.	Dr. R.K Nehru	Assoc. Prof/ Jr.Scientist
14.	Dr. A.A Khan	Assoc. Prof/ Sr. Scientist
15.	Dr. Zakir Hussain	Assoc. Prof/ Sr. Scientist
16.	Dr. Mohammad Jamal Ahmad	Assoc. Prof/ Sr. Scientist
17.	Dr. Shafiq-Ur Rahman	Assoc. Prof/ Sr. Scientist
18.	Dr. Fahimullah Khan	Assoc. Prof/ Sr. Scientist
19.	Dr. Pardeep Kumar Singh	Assoc. Prof/ Sr. Scientist
20.	Dr. Sumati Narayan	Assoc. Prof/ Sr. Scientist
21.	Dr. M Moin Ansari	Assoc. Prof/ Jr. Scientist
22.	Dr. M.N Khan	Assoc. Prof/ Sr. Scientist
23.	Dr. Gowhar Ali	Assoc. Prof/ Jr. Scientist
24.	Dr. Amit Kumar	Assoc. Prof/ Jr. Scientist
25.	Dr. F.A Khan	Assoc. Prof/ Sr. Scientist
26.	Dr. Sandeep Kumar	Assoc. Prof/ Jr. Scientist
27.	Dr. Tahir Ali	Prof. cum - Chief Scientist
28.	Dr. M. Anwar Khan	Assoc. Prof/ Sr. Scientist ,GPB
29.	Dr. Angrez Ali	Assoc. Prof/ Sr. Scientist ,Agron
30.	Dr. Amad A Saad	Assoc. Prof/ Sr. Scientist ,Agron
31.	Dr. Kamal Ud Din	Assoc. Prof/ Sr. Scientist ,GPB
32.	Dr. Subhas Chand	Assoc. Prof/ Sr. Scientist ,Soil Science
33.	Dr. S.S Pathani	Assoc. Prof/ Sr. Scientist Entomology
34.	Dr. Athar Ali Khan	Assoc. Prof/ Jr. Scientist
35.	Dr. Haider Ali	Assoc. Prof/ Jr. Scientist
36.	Dr. Badrul Hassan	Professor
37.	Dr. Arjumand Khatun	Asstt. Prof/ Jr. Scientist

38.	Dr Naveed Kaiser	Assoc. Prof/ Sr. Scientist
39.	Dr. H.M Khan	Prof. cum - Chief Scientist
40.	Dr. Pankaj Gousawami	Assoc. Prof/ Sr. Scientist
41.	Dr. DilrubaHasin	Assoc. Prof/ Jr. Scientist
42.	Dr. AkramHussain	Assoc. Prof/ Jr. Scientist
43.	Dr. Hakeem Ather	Assoc. Prof/ Jr. Scientist
44.	Dr. M Moin Ansari	Assoc. Prof/ Jr. Scientist
45.	Dr. N.A Tofani	Assoc. Prof/ Jr. Scientist
46.	Dr. Raj Kumar	Assoc. Prof/ Jr. Scientist
47.	Dr. Safeer Alam	Assoc. Prof/ Jr. Scientist
48.	Dr M N Khan	Professor
49.	Dr. OwaisAsmi	Assoc. Prof/ Jr. Scientist
50.	Dr. Ashwami Kumar	Assoc. Prof/ Jr. Scientist
51.	Dr. M Moin Ansari	Assoc. Prof/ Jr. Scientist
52.	Dr. Gowhar Bilal	Assoc. Prof/ Jr. Scientist
53.	Dr. Imran Khan	Assoc. Prof/ Jr. Scientist
54.	Dr. Nasir Hussain	Assoc. Prof/ Jr. Scientist
55.	Dr. M.K Sharma	Assoc. Prof/ Jr. Scientist
56.	Dr. .R.M Shukla	Assoc. Prof/ Jr. Scientist
57.	Dr. R Banyal	Assoc. Prof/ Jr. Scientist
58.	Dr. K.N Qaisar	Assoc. Prof/ Jr. Scientist
59.	Dr. Vishnu Dutt	Assoc. Prof/ Jr. Scientist
60.	Dr. P K Singh	Assoc. Prof/ Jr. Scientist
61.	Dr Zakir Hussain	Assoc. Prof/ Jr. Scientist
62.	Dr. Hareshwar Singh	Assoc. Prof/ Jr. Scientist
63.	Dr. Ravinder Kumar	Senior Technical Asiisitant
64.	Dr. Paramjeet Singh	Assoc. Prof/ Jr. Scientist
65.	Dr. SubhasChander	Assoc. Prof/ Jr. Scientist
66.	Dr Aziz MujtabaAezum	Assoc. Prof/ Jr. Scientist
67.	Dr. Abu Manzar	Assoc. Prof/ Sr. Scientist
68.	Dr. L. singh	Assoc. Prof/ Sr. Scientist
69.	Dr. Amarjit Singh	Assoc. Prof/ Jr. Scientist
70.	Dr. T.K Serkar	Assoc. Prof/ Jr. Scientist
71.	Dr. Yogesh Kumar	Assoc. Prof/ Jr. Scientist
72.	Dr. Anup Raj	Assoc. Prof/ Sr. Scientist
73.	Dr. Lal Singh	Assoc. Prof/ Jr. Scientist
74.	Dr. Poonam Sharma	Subject Matter Specialist
75.	Dr. Vikas Gupta	Subject Matter Specialist
76.	Dr. Liyaqat Ali	Subject Matter Specialist
77.	Dr. Sanjay Kumar	Subject Matter Specialist
78.	Dr. Maheshwar Singh	Programme Coordinator
79.	Dr. Naizr Hussain	Programme Assistant
80.	Dr. T K Sarkar	Assoc. Prof/ Sr. Scientist
81.	Dr Faizan Ahmad	Subject Matter Specialist
82.	Dr. Hanuman LalVerma	Asstt. Prof., NYOMA
83.	Dr. Anil Kumar	Asstt. Prof. HMAARI
84.	Dr. Bagyashiri	Asstt. Prof/ Jr. Scientist
85.	Dr. VarshaKanojia	Asstt. Prof/ Jr. Scientist

86.	Dr. Badrul Hassan	Asstt. Prof/ Jr. Scientist
87.	Dr. Parveen Kumar	Asstt. Prof/ Jr. Scientist
88.	Dr. Kalay Khan	Asstt. Prof/ Jr. Scientist
89.	Dr. KusamarkarGautam	Asstt. Prof/ Jr. Scientist

ANNEXURE A 17/A18

Average foot fall in library

Central Library
Main Campus, Shalimar, Srinagar

No. SKUAST-K/CL/ICAR/RAU-19/78 **Dt. 19-05-2019**

Dr. SameeraQayoom
Nodal Officer (ICAR),
Directorate of Education,
Shalimar, Srinagar

Subject: Ranking of Agricultural University-2018

Madam,

This has reference to your e-mail communication circulated today regarding the above cited subject. Please be apprised that two points numbering **A17**&**A18** pertain to Library.

Information about point **A17** is hereby appended for further necessary action at your end. So far as point **A18** is concerned it is mentioned that the information will be collected at source from Directorate of Knowledge Management (DKMA) of ICAR.

Sd/-

University Librarian

Point No.	Particulars	%age of students/ faculty
A17.	Average footfall in library (average %age of students/faculty daily visiting the library)	**44.28%**

Sher-e-Kashmir
University of Agricultural Sciences and Technology of Kashmir
Shalimar, Srinagar 190025
www.skuastkashmir.ac.in
Tel and Fax: 0194-2462160, email vc@skuastkashmir.ac.in

ANNEXURE A19

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
NEW DELHI

NATIONAL AGRICULTURAL EDUCATION ACCREDITATION BOARD

CERTIFICATE OF ACCREDITATION

...recommendations of the ICAR Peer Review Team, the National Agricultural Education Accreditation ..., ICAR, New Delhi hereby grants accreditation to the Sher-e-Kashmir University of Agricultural Sciences ...nology, Srinagar (Jammu & Kashmir) and its following constituent colleges upto March 27, 2021.

- Faculty of Agriculture (a) Wadura Campus
- Faculty of Agriculture (b) Main Campus
- Faculty of Horticulture (b) Wadura Campus
- Faculty of Fisheries, Pampore

- Faculty of Agriculture (b) Shalimar campus
- Faculty of Horticulture (a) Shalimar Campus
- Faculty of Veter... Animal Husbandry
- Faculty of Fores... Benhama

The accredited ...demic 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

Sher-e-Kashmir
University of Agricultural Sciences and Technology of Kashmir
Shalimar, Srinagar 190025
www.skuastkashmir.ac.in
Tel and Fax: 0194-2462160, email vc@skuastkashmir.ac.in

ANNEXURE A20

Implementation of the Recommendations of 5th DEANs committee

Proceedings of Academic Council and BoM approval attached as proof

A-20

36th meeting of Academic Council

SUPPLEMENTARY AGENDA

Sher-e-Kashmir
University of Agricultural Sciences & Technology of Kashmir

Supplementary Agenta Item No. 36 (06)S: To consider 5th Deans Committee Report for adoption in SKUAST-K

A committee headed by Director Education with Deans of Subject Matter Faculties, Controller of Examinations and Registrar as members was constituted to study and deliberate upon the 5th Deans Committee Report for implementation in SKUAST-K through Academic Council. The Committee so constituted met on 21-01-2017. The deliberations/ recommendations are summed up hereunder for perusal/decision on each matter.

1) External Examination system:

The committee recommended adoption of External Examination system as per 5th Deans Committee for undergraduate degree programme students of Ist year (Batch 2016) other than B.V.Sc & A.H. The structure of Examination system shall consist of following:

S.No.	Subject	Midterm	Assignment	Practical	Endterm
01.	Courses with theory & practical	30% (Internal)	5% (Internal)	15% (Internal)	50% (External)
0.2	Courses with only theory	40% (Internal)	10% (Internal)	-	50% (External)
0.3	Courses with only practical	100 % Internal			

Members had a consensus on evaluation of papers by the Faculty members of the related course other than the course Instructors. Dean Faculty of Forestry suggested setting up of two sets of papers by external paper setter so as to cover the makeup examination if any. It was also suggested to keep provision of renumeration for both paper setters as well as evaluators.

2. Modification of Semester Report:

The Committee recommended revision of semester report to accommodate structure of examination system prescribed by the 5th Deans Committee. Revised format appears as Annexure I to this Agenda item for perusal/approval.

63rd Meeting of
Board of Management

MINUTES

Sher-e-Kashmir
University of Agricultural Sciences & Technology of Kashmir
Shalimar, Srinagar – 190025
Tele/Fax: 0194-2461271; www.skuastkashmir.ac.in

"The change of nomenclature of academic Units in accordance with ICAR Model Act is approved as under and recommended for placement of the item in the next University Council meeting.

(i) College of the Subject Matter Faculty and

(ii) Postgraduate College of the concerned Faculty".

Agenda Item No: BoM 63(14)
Change in nomenclature of Division of Agricultural Economics and Marketing to School of Agricultural Economics and Horti-Business Management

The Board considered the recommendation of the 36th meeting of Academic Council and agreed to change the nomenclature of Division of Agricultural Economics and Marketing as *'School of Agricultural Economics and Horti-Business Management'* under overall administrative and academic control of Faculty of Horticulture, Shalimar, Srinagar. Thereafter, it was resolved as under:

"Resolved that the nomenclature of the Division of Agricultural Economics and Marketing shall be changed as 'School of Agricultural Economics and Horti-Business Management' under overall administrative and academic control of Faculty of Horticulture, Shalimar, Srinagar is recommended for its placement before the University Council for approval".

Agenda Item No: BoM 63(15)
To consider 5th Deans Committee Report for adoption in SKUAST-K

The Board considered the recommendations of the Academic Council made at its 36th meeting held on February 6, 2017 regarding adoption and implementation of 5th Deans Committee Report (ICAR) by the University to the extent as under:

External Examination system:

Adoption of External Examination system for undergraduate degree programme effective from the students of Ist year Autumn (Batch 2016) other than B.V.Sc & A.H as per the following structure of Examination System:

S.No.	Subject	Midterm	Assignment	Practical	Endterm
01.	Courses with theory & practical	30% (Internal)	5% (Internal)	15% (Internal)	50% (External)
0.2	Courses with only theory	40% (Internal)	10% (Internal)	-	50% (External)
0.3	Courses with only practical	100 % Internal			

Agenda Item No: BoM 63(16)
To consider change of nomenclature of the Divisions of Faculty of Forestry in light of 5th Deans committee Recommendations

The Board considered the recommendations of Academic Council made at its 36th meeting and agreed to the proposal regarding adoption of the nomenclature of the Divisions of Faculty of Forestry as per recommendations of the 5th Deans Committee (ICAR) as under:

i. Division of Silviculture and Agroforestry (SAF)
ii. Division of Forest Biology and Tree Improvement (FBT)
iii. Division of Natural Resource Management (NRM)
iv. Division of Forest Product Utilization (FPU)
v. Division of Wildlife Sciences (WLS)
vi. Division of Social and Basic Sciences (SBS)"

Thereafter, it was resolved that:

"Resolved that the adoption of the nomenclature of the Divisions of Faculty of Forestry as recommended by the Academic Council at its 36th meeting as per the 5th Deans Committee Report(ICAR) as indicated above is recommended for placement before the Council for approval.

Agenda Item No: BoM 63(17)
To consider External Examination System (EES) as per 5th Deans Committee report for undergraduate degree programme students

The Board considered the recommendations of the Academic Council made at its 36th meeting and agreed to the proposal regarding adoption of External Examination System (EES) as discussed under Agenda Item No. 63(15) (1).

Agenda Item No: BoM 63(18)
To consider Change of Nomenclature of Divisions of Faculty of Agriculture

The Board considered the recommendations made by Academic Council at its 36th meeting held on 6.2.2017 regarding adoption of nomenclature of some of the Divisions of Faculty of Agriculture in light of 5th Deans Committee Report (ICAR) as under. The requirements of human resource thereof shall be met through rationalization of existing resources.

64th Meeting of Board of Management

MINUTES

Sher-e-Kashmir
University of Agricultural Sciences & Technology of Kashmir
Shalimar, Srinagar – 190025
Tele/Fax: 0194-2461271

Agenda Item No. BoM- 64(S1): **To consider approval to the recommendations of 37th meeting of Academic Council regarding creation of 05 Divisions at Temperate Serculture Research Institute as per the 5th Deans Committee Report**

The Board considered the proposal and agreed to the establishment of five Divisions at Temperate Sericulture Research Institute, Mirgund, in light of 5th Deans' Committee Report (ICAR), as under:

i. Host Plant Production
ii. Sericulture Crop Improvement
iii. Cocoon Crop Production
iv. Silk Product Science
v. Basic Sciences and Humanities

Thereafter following resolution was adopted:

"Resolved that the establishment of five Divisions at Temperate Sericulture Research Institute, Mirgund, in light of 5th Deans' Committee Report (ICAR), agreed to as above, is recommended."

"Further recommended that the matter be placed before the University Council for approval."

Agenda Item No. BoM- 64(S2): **To consider approval to the recommendations of 37th meeting of Academic Council regarding restructuring Division of Agricultural Engineering as College of Agricultural Engneering & Technology and formation of six new Divisions as per the 5th Deans Committee Report**

The Board considered the proposal and agreed to the restructuring of Division of Agricultural Engineering as College of Agricultural Engineering & Technology and establishment of six Divisions thereof in light of 5th Deans' Committee Report (ICAR), as under:

i. Division of Farm Machinery and Power Engineering (FM&PE)
ii. Division of Soil & Water Conservation Engineering (SWCE)
iii. Division of Processing and Food Engineering (PFE)
iv. Division of Irrigation and Drainage Engineering (IDE)
v. Division of Renewable Energy Engineering (REE)
vi. Division of Basic Engineering Applied Sciences (BEAS)

32ND MEETING OF UNIVERSITY COUNCIL

MINUTES

SHER-E-KASHMIR
UNIVERSITY OF AGRICULTURAL SCIENCES &
TECHNOLOGY OF KASHMIR
Shalimar, Srinagar – 190 025

Tel/Fax : 0194-2471271
www.skuastkashmir.net

Annexure-B1

Research Product- (No. of research articles including review articles having NAAS rating of over 6.0 in 2018)

S. No.	Name of the Scientist	Title	NAAS Ration (6.0)
1.	A A Khan	Available Feed Resources, feeding practices and nutritional status of horses in Budgam district of Kashmir Valley	6.1
2.	A. Khalil	Performance of exotic strawberry varieties under temperate conditions of north-western Himalayas.	6.10
3.	A K Gupta	Microbial load of frozen thawed Sahiwal semen extended in egg yolk, soyalecithin and liposome based extender	6.09
4.	A K Misra	Trend analysis of rainfall and runoff in the Jhelum basin of Kashmir Valley	6.17
5.	A Q Mir	Ultrasonography: An affordable diagnostic tool for precisely locating Coenurosis cyst in sheep and goats	6.97
6.	A Rahim	Microbial load of frozen thawed Sahiwal semen extended in egg yolk, soyalecithin and liposome based extender	6.09
7.	A Sarangi	Trend analysis of rainfall and runoff in the Jhelum basin of Kashmir Valley	6.17
8.	A Singh	Microbial load of frozen thawed Sahiwal semen extended in egg yolk, soyalecithin and liposome based extender	6.09
9.	A. K. Mishra	Trend Analysis of Rainfall and Runoff in the Jhelum Basin of Kashmir Valley	6.16
10.	A. M. Akhoon	Artificial Glacier Water Harvesting Pre- And Post-Irrigation for early sowing of High Yielding Varieties in Cold Arid Desserts of Ladakh.	7.44
11.	A. Sarangi	Trend Analysis of Rainfall and Runoff in the Jhelum Basin of	6.16

		Kashmir Valley	
12.	A.H.Rather	Nutritional and storage stability of wheat based crackers incorporated with brown rice flour and carboxymethyl cellulose (CMC)	7.85
13.	A.K. Gupta	Effect of long term storage in LN2 on bacterial load and preservability of semen in Murrah bulls.	6.15
14.	A.S. Sundouri	Effect of bud load and fertilizer application on growth, yield and quality of Sahebi grape.	6.10
15.	Aasima Rafiq	Effect of pregelatination on rheology, cooking and antioxidant activity of pasta.	7.80
16.	Abbu Zaid	Engineering plants for heavy metal stress tolerance.	6.61
17.	Abdul Majid Ganai	Available Feed Resources, feeding practices and nutritional status of horses in Budgam district of Kashmir Valley	6.1
18.	Abdul Waheed Wani	Effect of Seed rates on the Germination and Seedling growth of Mulberry (*Morus* Sps.)	7.48
19.	Abida Jabeen	In vitro digestion, physic-chemical and morphological properties of low glycemic index rice flour prepared through enzymatic hydrolysis	7.85
20.	Ahanger F.A.	*Myrothecium verrucaria* causing needle blight disease on Blue pine (*Pinus wallichiana*): molecular characterization and host range	7.47
21.	Ahmad M	Morpho-cultural, pathological and molecular variability in *Thyrostroma carpophilum* causing shot hole of stone fruits in India.	7.47
22.	Ahmad M	Performance of exotic strawberry varieties under temperate conditions of north-western Himalayas.	6.10
23.	Ahmad S	Fodder Yield and quality evaluation of some oat (*Avena sativa* L.) varieties intemperate conditions of Kashmir	6.70
24.	Ajaz A Lone	Drought Stress Tolerance Screening of Elite American Breeding Rice Genotypes Using Low-Cost Pre-Fabricated Mini-Hoop Modules.	7.42
25.	Ajaz A Lone	Morphological and molecular characterization of maize inbred lines showing variability for drought tolerance.	6.00
26.	Ali Mohd	Morphometric relationships of length – weight and length – length	6.24

		in snow trout *Schizopyge niger* (Heckel, 1838) from Dal Lake, Kashmir.	
27.	Alia Syed	Gonadal maturation and histological observation of *Schizothorax curvifrons* in River Jhelum Kashmir	6.15
28.	Anil Sharma	Morphological characterization of walnut genotypes of diverse origin	6.5
29.	Aqleema Banoo	Microsatellite mining in the genus *Colletotrichum*.	8.49
30.	Aroosa Khalil	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward.	6.10
31.	Aroosa Khalil	Effect of bud load and fertilizer application on growth, yield and quality of Sahebi grape.	6.10
32.	Asha Nabi	Morpho-cultural, pathological and molecular variability in *Thyrostroma carpophilum* causing shot hole of stone fruits in India.	7.47
33.	Asha Nabi	Microsatellite mining in the genus *Colletotrichum*.	8.49
34.	Asha Nabi	*Myrothecium verrucaria* causing needle blight disease on Blue pine (*Pinus wallichiana*): molecular characterization and host range	7.47
35.	Ashaq Hussain	Developing rice hybrids for temperate conditions using three line Approach	6.5
36.	AshaqHussain	Farmers Participatory Selection of New Rice Varieties to boost production under Temperate Agro-ecosystems	7.1
37.	Ashraf Alam Wani	Mineral oil residue in soil and apple	7.9
38.	Ashraf Alam Wani	Quantification , dissipation behavior, and risk assessment of ethion in green pea by Gas chromatograph electron capture detection	8.8
39.	Asif B.Shikari	Marker assisted introgression of three dominant blast resistance genes into an aromatic rice cultivar Mushkbudji	10.0
40.	Asif B.Shikari	Farmers Participatory Selection of New Rice Varieties to boost production under Temperate Agro-ecosystems	7.1
41.	Asif B.Shikari	Developing rice hybrids for temperate conditions using three line Approach	6.5
42.	Asif Bashir Shikari	Genotypic and morphological diversity analysis in high altitude maize (*Zea mays* L.) inbreds under Himalayan temperate ecologies	6.23
43.	Asmi Oyas A	Gonadal maturation and histological observation of *Schizothorax*	6.15

		curvifrons in River Jhelum Kashmir	
44.	Athar Hussain	Ultrasonography: An affordable diagnostic tool for precisely locating Coenurosis cyst in sheep and goats	6.97
45.	B. Ammatullah	Design and development of technology for walnut cracking	7.80
46.	B. Naseer	Design and development of technology for walnut cracking	7.80
47.	Balkhi M.H.	Gonadal maturation and histological observation of *Schizothorax curvifrons* in River Jhelum Kashmir	6.15
48.	Barkat Hussain	Seasonal incidence and biodiversity of flea beetles (Coleoptera, Alticinae) in a brassicaceous vegetable agroecosystem of Kashmir valley.	6.32
49.	Barkat Hussain	Plant defense against herbivory and insect adaptations, 2018.	8.8
50.	Bashir Ahmad Rather	Seasonal incidence and biodiversity of flea beetles (Coleoptera, Alticinae) in a brassicaceous vegetable agroecosystem of Kashmir valley.	6.32
51.	Bashir S. T.	Redox disequilibrium vis-a-vis inflammatory cascade mediation of lymphocyte dysfunction, apoptosis, cytokine expression and activation of NF-kB in subclinical diabetic goats.	6.19
52.	Bazila Naseer	Development of low Glycemic Index muffins using water chestnut and barley flour	7.51
53.	Bazila Naseer	Characteristics of resistant starch in water chestnut flour as improved by pre-conditioning process	7.85
54.	Bazila Naseer	Donors for Quality Characteristics in Micronutrient Fortified Re-constituted Rice	6.53
55.	Bazila Naseer	Nutritional and storage stability of wheat based crackers incorporated with brown rice flour and carboxymethyl cellulose (CMC)	7.85
56.	Beig M.A.	*Myrothecium verrucaria* causing needle blight disease on Blue pine (*Pinus wallichiana*): molecular characterization and host range	7.47
57.	Bhardwaj D. R.	Soil microbial characteristics in sub-tropical agro-ecosystems of North Western Himalaya	6.97
58.	Bhat G. R.	Pre-ovulatory follicle size at induced estrus and post-ovulatory luteal profiles, and pregnancy rate in Murrah buffalo (*Bubalus*	6.15

		bubalis) using estradiol-17β + CIDR protocol.	
59.	Bhat Bilal A.	Gonadal maturation and histological observation of *Schizothorax curvifrons* in River Jhelum Kashmir	6.15
60.	Bhat F.A.	Gonadal maturation and histological observation of *Schizothorax curvifrons* in River Jhelum Kashmir	6.15
61.	Bikram Singh	Gene/QTL Discovery for Anthracnose in Common bean (*Phaseolus vulgaris* L.) from North-western Himalayas. PLOSONE. ACCEPTED	8.81
62.	Bilal A. Paddar	Investigating the virulence and genetic diversity of *Collectotrichum lindemuthianum* populations distributed in the North Western Himalayan hill stages	7.28
63.	Bilal A. Padder	Marker-assisted introgression of three dominant blast resistance genes into an aromatic rice cultivar Mushk Budji.	10.12
64.	Bilal A. Padder	Microsatellite mining in the genus *Colletotrichum*.	8.49
65.	Bilal A. Bhat	Reproductive and Breeding biology of *Schizothorax labiatus* a snow trout found in River Jhelum, Kashmir.	6.70
66.	Bisati I	Effect of nitrogen fixing cover crops on fertility of apple (*Malus domestica* Borkh) orchard soils assessed in a chronosequence in North-west Himalaya of Kashmir valley	6.23
67.	Chesti M.H	Effect of nitrogen fixing cover crops on fertility of apple (*Malus domestica* Borkh) orchard soils assessed in a chronosequence in North-west Himalaya of Kashmir valley	6.23
68.	D K Singh	Trend analysis of rainfall and runoff in the Jhelum basin of Kashmir Valley	6.17
69.	D Masood	Available Feed Resources, feeding practices and nutritional status of horses in Budgam district of Kashmir Valley	6.15
70.	D.B. Singh	Morphological characterization of walnut genotypes of diverse origin	6.5
71.	Dar I.H	Effect of nitrogen fixing cover crops on fertility of apple (*Malus domestica* Borkh) orchard soils assessed in a chronosequence in North-west Himalaya of Kashmir valley	6.23
72.	Dar M.A.	Effect of different sources of sulphur on yield and quality of	6.23

		cauliflower (*Brassica oleracea*) under temperate conditions of Kashmir.	
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680.	Farooz Ahmad Bhat	Morphometric relationships of length-weight and length-length in snow trout Schizopyge niger (Heckel, 1838) from Dal Lake, Kashmir	6.24
681.	Hakim Mudasir Maqsood	Morphometric relationships of length-weight and length-length in snow trout Schizopyge niger (Heckel, 1838) from Dal Lake, Kashmir	6.24
682.	Masood Ul Hassan Balkhi	Morphometric relationships of length-weight and length-length in snow trout Schizopyge niger (Heckel, 1838) from Dal Lake, Kashmir	6.24
683.	Ali Mohd Najar	Morphometric relationships of length-weight and length-length in snow trout Schizopyge niger (Heckel, 1838) from Dal Lake, Kashmir	6.24
684.	Shafat Hussain	Morphometric relationships of length – weight and length – length in snow trout *Schizopyge niger* (Heckel, 1838) from Dal Lake, Kashmir.	6.24

685.	Farooz Ahmad Bhat	Morphometric relationships of length – weight and length – length in snow trout *Schizopyge niger* (Heckel, 1838) from Dal Lake, Kashmir.	6.24
686.	Hakim Mudasir Maqsood	Morphometric relationships of length – weight and length – length in snow trout *Schizopyge niger* (Heckel, 1838) from Dal Lake, Kashmir.	6.24
687.	M.H.Balkhi	Morphometric relationships of length – weight and length – length in snow trout *Schizopyge niger* (Heckel, 1838) from Dal Lake, Kashmir.	6.24
688.	Ali Mohd Najar	Morphometric relationships of length – weight and length – length in snow trout *Schizopyge niger* (Heckel, 1838) from Dal Lake, Kashmir.	6.24
689.	Iram Farooq	Reproductive and Breeding biology of *Schizothorax labiatus* a snow trout found in River Jhelum, Kashmir.	6.70
690.	F. A. Bhat	Reproductive and Breeding biology of *Schizothorax labiatus* a snow trout found in River Jhelum, Kashmir.	6.70
691.	M. H. Balkhi	Reproductive and Breeding biology of *Schizothorax labiatus* a snow trout found in River Jhelum, Kashmir.	6.70
692.	Tasaduq H. Shah	Reproductive and Breeding biology of *Schizothorax labiatus* a snow trout found in River Jhelum, Kashmir.	6.70
693.	Bilal A.Bhat	Reproductive and Breeding biology of *Schizothorax labiatus* a snow trout found in River Jhelum, Kashmir.	6.70
694.	Sauliheen Qadri	Reproductive and Breeding biology of *Schizothorax labiatus* a snow trout found in River Jhelum, Kashmir.	6.70
695.	Syed Talia	Reproductive and Breeding biology of *Schizothorax labiatus* a snow trout found in River Jhelum, Kashmir.	6.70
696.	Parvaiz A.Ganie	Reproductive and Breeding biology of *Schizothorax labiatus* a snow trout found in River Jhelum, Kashmir.	6.70
697.	Syed Aalia	Reproductive and Breeding biology of *Schizothorax labiatus* a snow trout found in River Jhelum, Kashmir.	6.70
698.	Qadri Sauliheen	Gonadal maturation and histological observation of *Schizothorax*	6.15

		curvifrons in River Jhelum Kashmir	
699.	Shah Tasaduq Hussain	Gonadal maturation and histological observation of *Schizothorax curvifrons* in River Jhelum Kashmir	6.15
700.	Balkhi M.Hussain		6.15
701.	Bhat Bilal A	Gonadal maturation and histological observation of *Schizothorax curvifrons* in River Jhelum Kashmir	6.15
702.	Bhat Farooq A		6.15
703.	NajarA.M	Gonadal maturation and histological observation of *Schizothorax curvifrons* in River Jhelum Kashmir	6.15
704.	Asmi		6.15
705.	Farooq Iram	Gonadal maturation and histological observation of *Schizothorax curvifrons* in River Jhelum Kashmir	6.15
706.	Alia Syed.	Gonadal maturation and histological observation of *Schizothorax curvifrons* in River Jhelum Kashmir	6.15
707.	Owais	Gonadal maturation and histological observation of *Schizothorax curvifrons* in River Jhelum Kashmir	6.15
708.	Lal M. Mir	Response of Prohexadione calcium and Paclobutrazol on growth and physio-chemical characteristics of pear cv. Clapp's Favorite. *Indian Journal of Horticulture* 75(2): 191-196	6.10
709.	M. M. Iqbal	Response of Prohexadione calcium and Paclobutrazol on growth and physio-chemical characteristics of pear cv. Clapp's Favorite. *Indian Journal of Horticulture* 75(2): 191-196	6.10
710.	Dar G. A.	Nutritional status of Santa Rosa plum as affected by nitrogen and boron under rainfed conditions of Kashmir Valley.*Indian Journal of Horticulture* 75(2): 202-208	6.10

711.	Misger F.A.	Nutritional status of Santa Rosa plum as affected by nitrogen and boron under rainfed conditions of Kashmir Valley.*Indian Journal of Horticulture* 75(2): 202-208	6.10
712.	Javed K.	Nutritional status of Santa Rosa plum as affected by nitrogen and boron under rainfed conditions of Kashmir Valley.*Indian Journal of Horticulture* 75(2): 202-208	6.10
713.	Nazir Reshi	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	6.10
714.	Nowsheen	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	6.10
715.	M.K. Sharma	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	6.10
716.	Aroosa Khalil.	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	6.10
717.	M.K. Sharma	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	6.10
718.	N. Nazir	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	6.00
719.	Ashfaq Ahmad	Effect of exogenous application of plant growth regulators on vine	6.10

		growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	
720.	F.A. Banday	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	6.10
721.	M.Y. Bhat	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	6.10
722.	M.K. Sharma	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	6.10
723.	M.Asif. Dar	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	6.10
724.	Ahsan Khalil	Effect of exogenous application of plant growth regulators on vine growth, yield and quality attributes in kiwifruit cv. Hayward. *Indian Journal of Horticulture*, 75(1): 153-156.	6.10
725.	Niyaz Nazir	Performance of exotic strawberry varieties under temperate conditions of north-western Himalayas. *Indian Journal of Horticulture*, 75(4) : 698-702.	6.10
726.	Mir Muneer Mohsin	Performance of exotic strawberry varieties under temperate conditions of north-western Himalayas. *Indian Journal of Horticulture*, 75(4) : 698-702.	6.10
727.	Iqbal Umar.	Response of Prohexadione calcium and Paclobutrazol on growth and physio-chemical characteristics of pear cv. Clapp's Favorite. *Indian Journal of Horticulture* 75(2): 191-196	6.10
728.	Bilal A. Paddar	Investigating the virulence and genetic diversity of Collectotrichum lindemuthianum populations distributed in the North Western Himalayan hill stages. *Journal of Plant Pathology* (DOI	7.28

		10.1007/s42161-019-00269-8)	
729.	P. N. Sharma	Investigating the virulence and genetic diversity of Collectotrichum lindemuthianum populations distributed in the North Western Himalayan hill stages. *Journal of Plant Pathology* (DOI 10.1007/s42161-019-00269-8)	7.28
730.	Asha Nabi	Morpho-cultural, pathological and molecular variability in Thyrostroma carpophilum causing shot hole of stone fruits in India. *European Journal of Plant Pathology*; Online first (DOI 10.1007/s10658-017-1398-z)	7.47
731.	M.S. Shah	Morpho-cultural, pathological and molecular variability in Thyrostroma carpophilum causing shot hole of stone fruits in India. *European Journal of Plant Pathology*; Online first (DOI 10.1007/s10658-017-1398-z)	7.47
732.	M.D. Padder	Morpho-cultural, pathological and molecular variability in Thyrostroma carpophilum causing shot hole of stone fruits in India. *European Journal of Plant Pathology*; Online first (DOI 10.1007/s10658-017-1398-z)	7.47
733.	Bilal. A Dar	Morpho-cultural, pathological and molecular variability in Thyrostroma carpophilum causing shot hole of stone fruits in India. *European Journal of Plant Pathology*; Online first (DOI 10.1007/s10658-017-1398-z)	7.47
734.	Ahmad Mudasir Magray	Morpho-cultural, pathological and molecular variability in Thyrostroma carpophilum causing shot hole of stone fruits in India. *European Journal of Plant Pathology*; Online first (DOI 10.1007/s10658-017-1398-z)	7.47

735.	Asha Nabi wani	Morpho-cultural, pathological and molecular variability in Thyrostroma carpophilum causing shot hole of stone fruits in India. *European Journal of Plant Pathology*; Online first (DOI 10.1007/s10658-017-1398-z)	7.47
736.	Riyaz Ahmad Padder	Morpho-cultural, pathological and molecular variability in Thyrostroma carpophilum causing shot hole of stone fruits in India. *European Journal of Plant Pathology*; Online first (DOI 10.1007/s10658-017-1398-z)	7.47
737.	Basharat Ahmad Dar	Morpho-cultural, pathological and molecular variability in Thyrostroma carpophilum causing shot hole of stone fruits in India. *European Journal of Plant Pathology*; Online first (DOI 10.1007/s10658-017-1398-z)	7.47
738.	Mudasir Sidiq	Morpho-cultural, pathological and molecular variability in Thyrostroma carpophilum causing shot hole of stone fruits in India. *European Journal of Plant Pathology*; Online first (DOI 10.1007/s10658-017-1398-z)	7.47
739.	Nadeem Nazir Bhat	Microsatellite mining in the genus Colletotrichum. *Gene Reports*. 13: 84-93 DOI:10.1016/ j.genrep.2018.09.001	8.49
740.	Mahiya-Farooq	Microsatellite mining in the genus Colletotrichum. *Gene Reports*. 13: 84-93 DOI:10.1016/ j.genrep.2018.09.001	8.49
741.	Bilal A. Padder	Microsatellite mining in the genus Colletotrichum. *Gene Reports*. 13: 84-93 DOI:10.1016/ j.genrep.2018.09.001	8.49

742.	M. D. Shah	Microsatellite mining in the genus Colletotrichum. *Gene Reports*. 13: 84-93 DOI:10.1016/ j.genrep.2018.09.001	8.49
743.	M. S. Dar	Microsatellite mining in the genus Colletotrichum. *Gene Reports*. 13: 84-93 DOI:10.1016/ j.genrep.2018.09.001	8.49
744.	Asha Nabi	Microsatellite mining in the genus Colletotrichum. *Gene Reports*. 13: 84-93 DOI:10.1016/ j.genrep.2018.09.001	8.49
745.	Aqleema Banoo	Microsatellite mining in the genus Colletotrichum. *Gene Reports*. 13: 84-93 DOI:10.1016/ j.genrep.2018.09.001	8.49
746.	Rovidh S. Rasool	Microsatellite mining in the genus Colletotrichum. *Gene Reports*. 13: 84-93 DOI:10.1016/ j.genrep.2018.09.001	8.49
747.	Sana Surma	Microsatellite mining in the genus Colletotrichum. *Gene Reports*. 13: 84-93 DOI:10.1016/ j.genrep.2018.09.001	8.49

748.	Nadeem Nazir Bhat	Microsatellite mining in the genus Colletotrichum. *Gene Reports*. 13: 84-93 DOI:10.1016/ j.genrep.2018.09.001	8.49
749.	Mahiya Farooq	Microsatellite mining in the genus Colletotrichum. *Gene Reports*. 13: 84-93 DOI:10.1016/ j.genrep.2018.09.001	8.49
750.	PK Meher	Genome Wide Single Locus Single Trait, Multi-Locus and Multi-Trait Association Mapping for Some Important Agronomic Traits in Common Wheat (*T. aestivum* L.). PLOS ONE 11 (7), e0159343	8.81
751.	RR Mir	Genome Wide Single Locus Single Trait, Multi-Locus and Multi-Trait Association Mapping for Some Important Agronomic Traits in Common Wheat (*T. aestivum* L.). PLOS ONE 11 (7), e0159343	8.81
752.	Mir RR	Candidate gene analysis for determinacy in pigeonpea (*Cajanus spp.*). Theor Appl Genet 127:2663–2678	10.13
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754.	Azam S	Candidate gene analysis for determinacy in pigeonpea (*Cajanus spp.*). Theor Appl Genet 127:2663–2678	10.13
755.	Mir R R	(2014) Interval mapping and meta-QTL analysis of grain traits in common wheat (*Triticum aestivum L.*). Euphytica 10.1007/s10681-014-1217-y	7.63
756.	Balyan HS	(2014) Interval mapping and meta-QTL analysis of grain traits in	7.63

		common wheat (*Triticum aestivum L.*). Euphytica 10.1007/s10681-014-1217-y	
757.	Gupta PK	(2014) Interval mapping and meta-QTL analysis of grain traits in common wheat (*Triticum aestivum L.*). Euphytica 10.1007/s10681-014-1217-y	7.63
758.	Varshney RK	Integrated physical, genetic and genome map of chickpea (*Cicer arietinum L.*). Functonal Integrated Genomics 14:59-73. DOI 10.1007/s10142-014-0363-6)	9.50
759.	Mir RR	Integrated physical, genetic and genome map of chickpea (*Cicer arietinum L.*). Functonal Integrated Genomics 14:59-73. DOI 10.1007/s10142-014-0363-6)	9.50
760.	Bhatia S	Integrated physical, genetic and genome map of chickpea (*Cicer arietinum L.*). Functonal Integrated Genomics 14:59-73. DOI 10.1007/s10142-014-0363-6)	9.50
761.	Thudi M	Integrated physical, genetic and genome map of chickpea (*Cicer arietinum L.*). Functonal Integrated Genomics 14:59-73. DOI 10.1007/s10142-014-0363-6)	9.50
762.	Hu Y	Integrated physical, genetic and genome map of chickpea (*Cicer arietinum L.*). Functonal Integrated Genomics 14:59-73. DOI	9.50

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763.	Azam S	Integrated physical, genetic and genome map of chickpea (*Cicer arietinum L.*). Functonal Integrated Genomics 14:59-73. DOI 10.1007/s10142-014-0363-6)	9.50
764.	Zhang Y	Integrated physical, genetic and genome map of chickpea (*Cicer arietinum L.*). Functonal Integrated Genomics 14:59-73. DOI 10.1007/s10142-014-0363-6)	9.50
765.	Jaganathan D	Integrated physical, genetic and genome map of chickpea (*Cicer arietinum L.*). Functonal Integrated Genomics 14:59-73. DOI 10.1007/s10142-014-0363-6)	9.50
766.	You FM	Integrated physical, genetic and genome map of chickpea (*Cicer arietinum L.*). Functonal Integrated Genomics 14:59-73. DOI 10.1007/s10142-014-0363-6)	9.50
767.	Gao J	Integrated physical, genetic and genome map of chickpea (*Cicer arietinum L.*). Functonal Integrated Genomics 14:59-73. DOI 10.1007/s10142-014-0363-6)	9.50
768.	Riera-Lizarazu O	Integrated physical, genetic and genome map of chickpea (*Cicer arietinum L.*). Functonal Integrated Genomics 14:59-73. DOI	9.50

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770.	Mir RR	Whole-Genome Scanning for Mapping Determinacy in Pigeonpea (*Cajanus* spp.). Plant Breeding 132:472–478	7.34
771.	Mir RR	Association mapping for pre-harvest sprouting tolerance in bread wheat (*Triticum aestivum* L.). Euphytica DOI 10.1007/s10681-012-0713-1	7.63
772.	Mohan A	Association mapping for pre-harvest sprouting tolerance in bread wheat (*Triticum aestivum* L.). Euphytica DOI 10.1007/s10681-012-0713-1	7.63
773.	Balyan H.S	Association mapping for pre-harvest sprouting tolerance in bread wheat (*Triticum aestivum* L.). Euphytica DOI 10.1007/s10681-012-0713-1	7.63
774.	Gupta PK	Association mapping for pre-harvest sprouting tolerance in bread	7.63

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775.	Mir R R	Integrated genomics, physiology and breeding approaches for improving drought tolerance in crops. Theoretical and Applied Genetics 125:625-645	(10.13)
776.	Zaman Allah M	Integrated genomics, physiology and breeding approaches for improving drought tolerance in crops. Theoretical and Applied Genetics 125:625-645	(10.13)
777.	Mir R. R	A study of genetic diversity among Indian bread wheat (*Triticum aestivum* L.) cultivars released during last 100 years. Genetic Resources and Crop Evolution 59:717-726	(7.29)
778.	Ahmad N	SSR and RAPD analysis of genetic diversity in walnut (*Juglans regia* L.) genotypes from Jammu and Kashmir, India. Physiol Mol Biol Plants DOI 10.1007/s12298-012-0104-z	6.88
779.	Mir JI	SSR and RAPD analysis of genetic diversity in walnut (*Juglans regia* L.) genotypes from Jammu and Kashmir, India. Physiol Mol Biol Plants DOI 10.1007/s12298-012-0104-z	6.88
780.	Mir RR	SSR and RAPD analysis of genetic diversity in walnut (*Juglans regia* L.) genotypes from Jammu and Kashmir, India. Physiol Mol Biol Plants DOI 10.1007/s12298-012-0104-z	6.88

781.	Rather N	SSR and RAPD analysis of genetic diversity in walnut (*Juglans regia* L.) genotypes from Jammu and Kashmir, India. Physiol Mol Biol Plants DOI 10.1007/s12298-012-0104-z	6.88
782.	Rashid R	SSR and RAPD analysis of genetic diversity in walnut (*Juglans regia* L.) genotypes from Jammu and Kashmir, India. Physiol Mol Biol Plants DOI 10.1007/s12298-012-0104-z	6.88
783.	Wani SHussain	SSR and RAPD analysis of genetic diversity in walnut (*Juglans regia* L.) genotypes from Jammu and Kashmir, India. Physiol Mol Biol Plants DOI 10.1007/s12298-012-0104-z	6.88
784.	Shafi Wani	SSR and RAPD analysis of genetic diversity in walnut (*Juglans regia* L.) genotypes from Jammu and Kashmir, India. Physiol Mol Biol Plants DOI 10.1007/s12298-012-0104-z	6.88
785.	Mir H	SSR and RAPD analysis of genetic diversity in walnut (*Juglans regia* L.) genotypes from Jammu and Kashmir, India. Physiol Mol Biol Plants DOI 10.1007/s12298-012-0104-z	6.88
786.	Shiekh Manzoor A	SSR and RAPD analysis of genetic diversity in walnut (*Juglans regia* L.) genotypes from Jammu and Kashmir, India. Physiol Mol Biol Plants DOI 10.1007/s12298-012-0104-z	6.88
787.	Mir R. R	Genetic dissection of grain weight (GW) in bread wheat through	8.47

		QTL interval and association mapping. Molecular Breeding 29:963-972	
788.	R.R. Mir	Identification of several small main-effect QTLs and a large number of epistatic QTLs for drought tolerance in groundnut (*Arachis hypogaea* L.). Theor Applied Genet 122:1119-1132DOI 10.1007/s00122-010-1517-0	10.13
789.	Mir R.R	(2011) QTL Analysis and Molecular Breeding for Seed Dormancy and Pre-harvest Sprouting Tolerance in Bread Wheat. J. Plant Biol 37: 1–16	7.44
790.	Mir R.R	Marker-Assisted Wheat Breeding: Present Status and Future Possibilities. *Molecular Breeding* 26:145–161	08.47
791.	Mir R.R	Marker-assisted selection as a component of conventional plant breeding. *Plant Breeding Reviews* 33:145-217	7.34
792.	Mir R. R	Genome wide QTL analysis for pre-harvest sprouting tolerance in bread wheat. *Euphytica* 168: 319–329	7.63
793.	Mir R.R	Array-based high-throughput DNA markers for crop improvement. *Heredity* 101: 5-18 *(Published by Nature Publishers*	9.96
794.	Mir R. R	Improving protein content and nutrition quality in legumes. In: Pratap, A. and Kumar, J. (eds.), *Biology and Breeding of Food Legumes*. CAB International, Wallingford, UK, pp. 314-328. ISBN 9781845937669	6.00
795.	Mir R.R	Wheat genomics: Present status and future prospectus. *Special issue on Genomics of Major Crops and Model Plant Species. Internationl Journal of Plant Genomics doi:10.1155/2008/896451*.	6.5

Annexure-B2

Research Impact as measured by H-index (Google scholar)

S.No.	Name of Scientist	h-index
1.	Dr. ReyazulRouf Mir	35
2.	Dr. SajadZargar	23
3.	Dr. K. N. Singh	22
4.	Dr.Shabir A Wani	22
5.	Dr. Shakeel Ahmad Wani	22
6.	Dr.Zahoor Ahmad Wani	22
7.	Prof.Nazeer Ahmed	22
8.	DrJunaid Khan	21
9.	Dr. Amit Kumar	17
10.	Dr. ShafiqWani	17
11.	Dr. BarkatHussain	16
12.	Dr.AmjadHussain	15
13.	Dr. F A Nehvi	15
14.	Dr. F.A.Mohidin	15
15.	Dr Masood ulHaq	14
16.	Dr. ImtiyazMurtaza	14
17.	Dr. A A Khan	13
18.	Dr.HinaBhat	13
19.	Dr.MudasirAndrabi	13
20.	DrBadfrul Hassan	13
21.	Dr. Syed Mudasir	13
22.	Dr.Zahoor A Dar	12
23.	Dr.Ajaz Malik	11
24.	Dr. Mohd Ashraf Bhat	11
25.	Dr.Nazir A. Ganai	11
26.	Dr.Rohitashw Kumar	11
27.	Dr. Masood Saleem Mir	11
28.	Dr. Nazir Ahmad	11
29.	Dr. M I Yatoo	11
30.	Dr. AkhlaqWani	10
31.	Dr. Asif Shikarai	10
32.	Dr. Farooz Ahmad Bhat	10
33.	Dr. Ghulam Hassan Mir	10
34.	Dr.HilalMusadiq Khan	10
35.	Dr.IshraqHussain	10

36.	Dr. K. A. Bhat	10
37.	Dr. Khursheed A. Bhat	10
38.	Dr. M Y Zargar	10
39.	Dr.M.Q. Sheikh	10
40.	Dr. ManzoorRehman Mir	10
41.	Dr. Mushtaq Ahmad Bhat	10
42.	Dr. Bilal Padder	10
43.	Dr. Riyaz Ahmad Shah	10
44.	Dr. Sheikh Bilal Ahmad	10
45.	Dr. Syed ZameerHussain	10
46.	Dr. S. A. Wani	10
47.	Dr.A. A Lone	10
48.	Dr. NA Pala	10

Annexure-B3

B (i) :Patents Published/Submitted: 01

Name of applicant	**Name of Patent**	**Patent Published/submitted**	**Technology**
SKUAST-K	Misteltoe Eradicator	No.201611016121A (Patent published)	Protection of walnut plants from Misteltoe

B (ii): New farm machinery developed during 2018: 10 Nos.

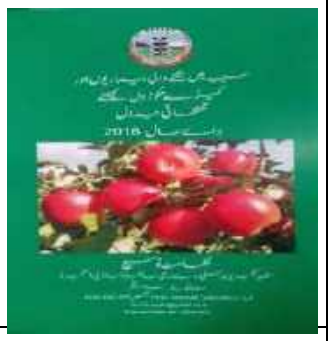
S.No.	**Farm machinery and tools/equipments developed**
1.	**A COMPLETE VALUE CHAIN TECHNOLOGY FOR WALNUTS** Designed and Developed under AICRP on PHET, SKUAST-K Overall Capacity = 800 kg/day Labour requirement = 10 man-hr/ton Damaged walnut percentage = 1.43% Overall Efficiency = 96.51% Suitability = For entire Inshelled walnut Processing Status:- Popularized  
2.	**APPLE PEELER** Designed and Developed under AICRP on PHET, SKUAST-K Capacity = 42Kg/hr Efficiency = 84% Suitability :- For peeling of apples Status = Popularized 
3.	**EARTHWORM CUM VERMI-COMPOST SEPARATOR** 

4.	WALNUT DEHULLER CUM WASHER Capacity = 240 Kg/hour Damaged walnut percentage = 0.02% Efficiency = 96.60 Suitability = For Dehulling and washing of walnuts Status:- Commercialized 
5.	**LOTUS RHIZOME WASHER** Designed and Developed under AICRP on PHET, SKUAST-K Capacity = 7.13Kg/hr Efficiency = 95.10 Suitability = Cleaning lotus rhizomes from inside as well as outside Status = Popularized 
6.	**SAFFRON DRYER** 
7.	**LOW COST SOLAR COCOON DRIER** 
8.	LOW COST SILKWORM REARING HUT 
9.	**LEVER OPERATED MAIZE COB SHELLER** 

10.	**WHEEL HAND HOE** 

A: Varieties /breeds registered: IC numbers for 63 accessions granted (Proof attached)

B: Technologies developed: 36

1.	Developed and released effective **Spray schedule technology** in both English and urdu languages for the management of insect pests attacking apple in Kashmir.A single technology saves aboutRs. 1500 crores to apple industry in J&K state.  
2.	Developed Bilateral Thyroidectomy
3.	Developed Ultra sound guided perivascular and perineural brachial plexus block in sheep
4.	In vitro technology for production of Cloned embryos in Pashmina goats developed using simplified Handmade technique with successful results.
5.	Establishedtechnology for propagation of low cost silo-pits to mitigate fodder shortage prices during harsh winter of Kashmir for improving socio-economic status of farmers. Being disseminated among the farmers through externally funded NABARD project.
6.	Developed low cost vermicomposting technology for temperate regions of Kashmir valley- Being transferred among the farming community through KVK's/Aspirational district Kupwara.
7.	Standardized technology for transportation of ram testicles from the site of death,

	then recovery of spermatozoa from the cauda epididymis, and cryopreservation of recovered sperm for future use.
8.	Estrous synchronization and timed os cervical insemination with chilled semen has been standardized in sheep and cattle.
9.	Cryopreservation protocol for ram semen has been standardized.
10.	Developed minimally Invasive Tube Cystotomy Technique in small ruminants & calves,
11.	Standardised cost effective and innovative protocol through limited or no use of antibiotics in mastitis management (citrate therapy)
12.	Devised anti-oxidant trace mineral formulation with potential to prevent mastitis and reduce antibiotic use in mastitis management
13.	Developed pinhole castration Technique in rams, dogs & ponies,
14.	Standardized modified Buhner's Technique in dairy cows.
15.	Standardized wet Feeding for improving Poultry Performance
16.	Standardized utilization of Silk worm Pupa Feeding in Poultry for protein supplementation.
17.	Enhancement of poultry performance by incorporation of herbal feed additives and litter ammendments.
18.	Developed and popularized innovative, Integrated horti-poultry Farming system for doubling farmers income.
19.	Developed and populirised INM modules for rice varieties planted in water logged situations and higher altitude areas.
20.	Modified system of Rice Intensification (SRI) Method standardized for Kashmir conditions.
21.	Production technologies developed for brown sarson
22.	Production technologies developed scented mushkbudgi rice.
23.	Standardized rodent management technology for Saffron and apple ecosystem.
24.	Developed technology for winter management of Honey Bee colonies
25.	Developed IPM modules for Management of apple stem borer *Aeolesthessarta,* bark beetle *Scolytusnitidus and* cutworm in maize and potato
26.	Technology standardized for "optimization of Extrusion Techniques for the inactivation of anti-nutritional Factors in Chickpea for Development of Value Added Products

27.	Technology standardized for "utilisation of Cauliflower Waste, Corn and Chickpea for Development of Nutritious Snacks Using Extrusion Technology"
28.	"Developed BetaCarotene Rich Extruded Product From Carrot and Broken Rice Blends".
29.	Flowering and seed Production of China aster (*Callistephuschinensis* (L.) NEES cv. Powder Puff.
30.	Standardized propagation Technique and Nutrient Management for Daffodil.
31.	Developed protocol for in-vitro Propagation of *Petunia hybrida* cv. Bravo
32.	Bio-intensive Production technology of Tulips through use of Bio-control agents
33.	Developed technology using Aquatic weed (Dal weed) for industrial mass multiplication of Trichoderma bio-fungicide.
34.	Standardized integrated nutrient management for black carrot, coriander and potato.
35.	IPM module developed for effective management of White grub in Royal Spring Golf course of Srinagar
36.	Developed non chemical management for control of Codling moth, *Cydiapomonella* infesting apple in Laddakh

During the year 2018-19, the centre has sold 5 machines to different walnut growers/processors

S.No	Name of walnut grower/processor	Address	No. of machines sold	Date of technology transfer
1.	M/s Teli Walnuts	D.H Peru Kulgam	01	05-10-2018
2.	M/s Quality Dry Fruits	Ganderbal	01	17-10-2018
3.	Mr. Asif Amin Rana	Kokernang	01	10-09-2018
4.	KVK	Kupwara	01	24-09-2018
5.	KVK	Ganderbal	01	31-09-2018

C. Productsdeveloped : 25

1.	**Low GI Water chestnut muffins**	 
2.	**Low GI Water chestnut crackers**	 
3.	**Low GI Water chestnut snacks**	 
4.	**Iron fortified Barley based extruded snacks**	
5.	**Rice bran : Corn based ready to eat extruded snacks**	
6.	**Beta carotene rich extruded snack**	

7.	**Osmo air dried apple chips (Cv. White dotted red)** 
8.	**Protein rich egg incorporated lentil based snacks** 
9.	Composting and fermentation of Poultry farm waste
10.	Functional Mutton nuggets incorporated with Carrot.
11.	Functional Mutton nuggets incorporated with Walnut Kernels.
12.	Functional Mutton nuggets incorporated with Saffron Petals.
13.	Functional Chicken sausages incorporated with lotus stem and ginger extract
14.	Functional Spent Hen Meat Patties incorporated with fenugreek seeds
15.	Developed Mushroom Incorporated Biscuits and Cookies
16.	Urea molasses feed block
17.	Complete feed block
18.	Feed additives (Sacrozymes and herbozymes)
19.	Shalimar milk
20.	Shalimar vermicompost
21.	Shalimar feed
22.	Low cost urea molasses mineral block
23.	Feed block using locally available ingredients
24.	Validated PCR based diagnosis of Brucellosis
25.	Validated PCR based diagnosis of Theileriosis

D. Breeds Registered

1. Local breeds registered with NBAGR:

Kashmir ANZ: INDIA_GEESE_0700_ KASHMIRANZ_18001

E. Breeds developed

1. FecB variant of sheep for increased prolificacy and lamb crop per year
2. Boer Crosses with local goat for enhanced adaptability and meat production
3. Poll Dorset and Corriedale Cross for hardiness and meat production

F: Traits Identified

1. DGAT1 gene for higher fat % in cattle in Kashmir
2. Fec B gene for increased lambing percentage and decrease age at first lambing
3. Myostatin gene mutation identified in Bakerwal goat for double muscling
4. Melatonin Receptor Gene identified for out of season breeding in sheep
5. Beta casein gene variants identified in cattle. A2 variant common in local cattle is good for health
6. KAP genes (KAP 8.1, KAP 8.2, KAP 1.3. KAP 1.4, KAP 16.6.....) characterised, identified and found associated with fiber fineness and yield

iii) Funds received through external competitive grants: Rs. 1030.06 (lakhs) :

Annexure B 3 (iii) attached

B3-I.

Path Breaking

Initiative

Misteltoe Eradicator - An innovation of KVK Budgam

Walnut trees of Kashmir valley are presently heavily infested with Mistletoe parasitic weed called European Mistletoe, locally known as "Aweal" and "Kachul". This parasitic plant sucks water and minerals from the host tree rendering it weak, unproductive and under extreme conditions can kill. Farmers attempt to manage this weed by clipping it from the trees but it re-grows from the same place from embedded roots. As per extensive studies carried by Plant Protection Scientist Dr. Khurshid Ahmad Bhat at KVK, along with other scientists and officials of the KVK Budgam over 4 years of study, it was confirmed that only way to control this menace is to cut the weeds and apply weedicides at High Concentration to the cut end/stumps of weed. Thus to facilitate both cutting and applying of weedicides to cut end of weed stumps a Mechanical tool **"Mistletoe Eradicator"** was invented to facilitate both cutting and applying of chemicals anywhere on tree.

160 / 505

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(21) Application No.201611016121 A
(22) Date of filing of Application :09/05/2016
(43) Publication Date : 10/11/2017

(54) Title of the invention : MISTLETOE ERADICATOR

(51) International classification	:A61K36/18	(71)**Name of Applicant:**
(31) Priority Document No	:NA	1)SHER-E-KASHMIR UNIVERSITY OF
(32) Priority Date	:NA	AGRICULTURAL SCIENCES AND TECHNOLOGY OF
(33) Name of priority country	:NA	KASHMIR
(86) International Application No	:NA	Address of Applicant :KVK BUDGAM, C/O
Filing Date	:NA	DIRECTORATE OF EXTENTION SKUAST(KASHMIR),
(87) International Publication No	:NA	SHALIMAR,191121 Jammu & Kashmir India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	**1)DR. KHURSHID AHMAD BHAT SMS, PLANT**
(62) Divisional to Application Number	:NA	**PROTECTION KVK, BUDGAM**
Filing Date	:NA	

(57) Abstract :
Mistletoe Eradicator is a device which cuts mistletoes growing on walnut tree and applies weedicide chemical to the cut stumps of the mistletoe weed to destroy its root system embedded in the host plant and prevent any regrowth of the mistletoe from the root remnants. IT has a cutter (3) fitter with a tube (4) which can be attached to wooden bar of any length on the free end (5). The device is fitted with a bottle (1) which is attached/welded with the cutter through a simple value system and has a small opening (1). During operation the cutter cuts the mistletoe and weedicide chemical slowly flows from the bottle by natural gravity on the cutter and on the teeth of cutter wetting the cut ends of the mistletoe stumps. Thus it cuts the weed and also prevents its growth by destroying root system of mistletoe embedded in the host tissue by applying chemicals to the cut stumps of the mistletoe weed. II

No. of Pages : 8 No. of Claims : 7

Patent Published in Journal
Patent Pending

B3(11).

DIVISION OF GERMPLASM CONSERVATION
National Bureau of Plant Genetic Resources
Pusa Campus, New Delhi 110 012

Dr. Sherry Rachel Jacob
Scientist

Phone : 91-11-25846268 (O)
Fax : 91-11-25842495
Email : sherry.jacob@icar.gov.in

Date: 9/01/18
No: DGC/18-01/01

Dear Dr Dar:

Please find attached the list of IC numbers allotted to the 63 accessions (50 landraces and 13 inbred lines) submitted by you for conservation in the National Genebank. The accessions have qualified the genebank standards and have been conserved under long term storage conditions.

Thanking you,

Yours sincerely,

(Sherry Rachel Jacob)

Dr. Sherry Rachel Jacob
Scientist
Division of Germplasm Conservation
National Bureau of Plant Genetic Resources
New Delhi-110 012

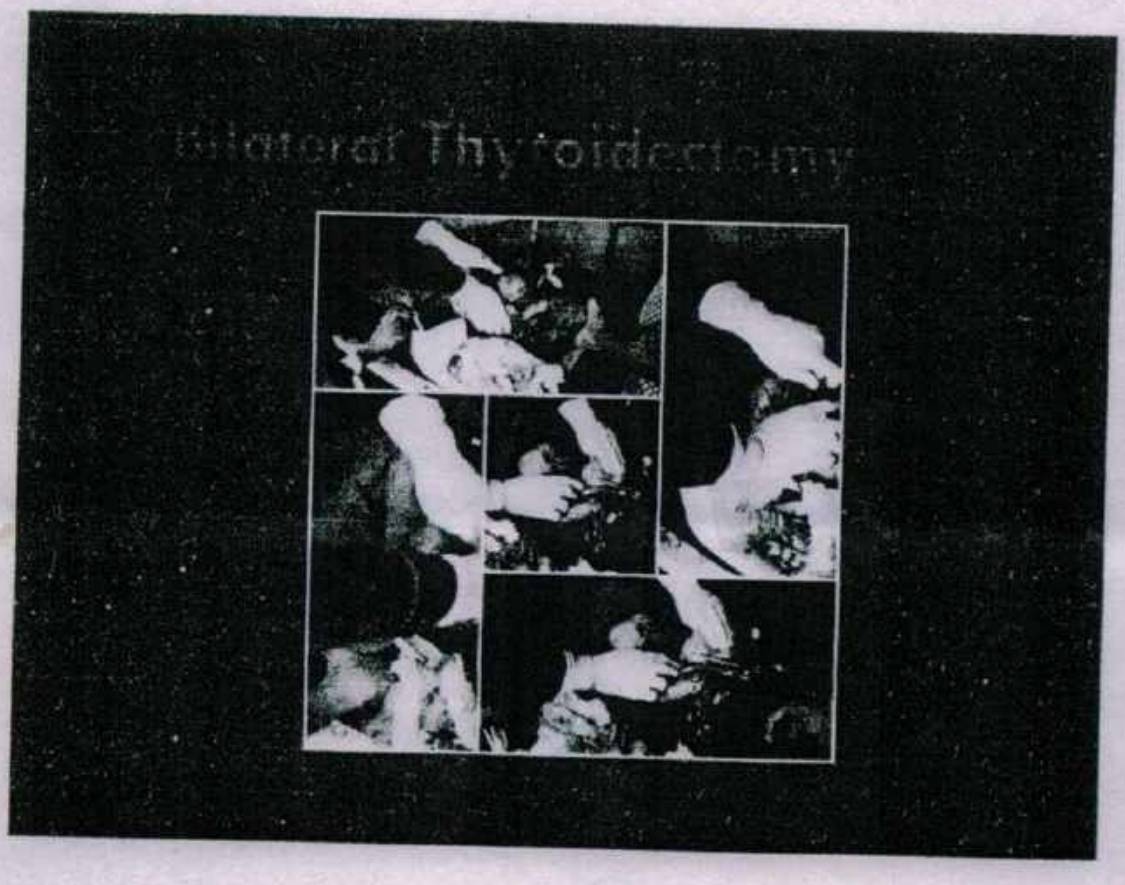
Dr. Zahoor Ahmed Dar
Senior Scientist (GPB)
Dry land Agriculture Research Station
P.Box 905, GPO, Srinagar (Kashmir)
190001

41	624907	Maize	*Zea mays*	ZA/AL/KDL-21	Makai	LANDRACE	Kulgam	J & K
42	624908	Maize	*Zea mays*	ZA/AL/KDL-22	Makai	LANDRACE	Kulgam	J & K
43	624909	Maize	*Zea mays*	ZA/AL/KDL-23	Makai	LANDRACE	Pulwama	J & K
44	624910	Maize	*Zea mays*	ZA/AL/KDL-24	Makai	LANDRACE	Kupwara	J & K
45	624911	Maize	*Zea mays*	ZA/AL/KDL-25	Makai	LANDRACE	Shopain	J & K
46	624912	Maize	*Zea mays*	ZA/AL/KDL-26	Makai	LANDRACE	Shopain	J & K
47	624913	Maize	*Zea mays*	ZA/AL/KDL-27	Makai	LANDRACE	Kulgam	J & K
48	624914	Maize	*Zea mays*	ZA/AL/KDL-28	Makai	LANDRACE	Pulwama	J & K
49	624915	Maize	*Zea mays*	ZA/AL/KDL-29	Makai	LANDRACE	Pulwama	J & K
50	624916	Maize	*Zea mays*	ZA/AL/KDL-30	Makai	LANDRACE	Pulwama	J & K

Sr no	IC Number	Crop Name	Species	Collector No	Bio-status
1	624636	Maize	*Zea mays*	KDM-895A	Inbred Line
2	624637	Maize	*Zea mays*	KDM-381A	Inbred Line
3	624638	Maize	*Zea mays*	KDM-326B	Inbred Line
4	624639	Maize	*Zea mays*	KDM-402	Inbred Line
5	624640	Maize	*Zea mays*	KDM-1039	Inbred Line
6	624641	Maize	*Zea mays*	KDM-1045	Inbred Line
7	624642	Maize	*Zea mays*	KDM-1121	Inbred Line
8	624643	Maize	*Zea mays*	KDM-1177	Inbred Line
9	624644	Maize	*Zea mays*	KDM-1222	Inbred Line
10	624645	Maize	*Zea mays*	KDM-932A	Inbred Line
11	624646	Maize	*Zea mays*	KDM-918A	Inbred Line
12	624647	Maize	*Zea mays*	KDM-954	Inbred Line
13	624648	Maize	*Zea mays*	KDM-944A	Inbred Line

Division of Veterinary Surgery & Radiology, Faculty of Veterinary Sciences & Animal Husbandry
Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir(SKUAST-K)
Srinagar, Jammu and Kashmir 190006

SUCCESS STORY



Dr. D.M Makhdoomi

Prof and Head

/ 30/4

Pathomorphological study, ultrasonographical and surgical management of non-neoplastic enlarged thyroid gland in a calf

Preamble

This case is very unique. The story describes the pathomorphological, ultrasonographic and surgical management of a non-neoplastic enlarged thyroid gland in a four month old cross bread calf from Bandipora district of Kashmir referred to Division of Veterinary Surgery andRadiology. The owner of the calf was a medical Doctor. The condition was congenital however the size of the gland became intolerable to the animal within the two months of the birth and it caused great difficulty in breathing. Present success story describes a surgical correction in phased manner and post operative management of calf suffering with non-neoplastic enlarged thyroid gland.

Introduction

Enlargement of the thyroid gland may from results from dietary iodine deficiency or excess, dietary goitrogenic substances that disrupt the thyroid hormone synthesis. Goitre is the most common manifestation of iodine deficiency, which results in decreased circulating T3 and T4 levels, and subsequent increase in thyroid-stimulating hormone secretion by the pituitary gland. consequent upon inadequate substrate availability increasing the feedback loop for TSH production with consequent thyroid gland hyperplasia. Excess iodine also inhibits thyroid hormone release by preventing colloid proteolysis in the thyroid gland. *Hence, thyroid gland hyperplasia and goiter occur in conditions of both iodine deficiency and excess.* Total thyroidectomy i.e the complete removing of both the lobes of the thyroid gland is regarded as a logical surgical procedure for the treatment of the excessively enlarged thyroid gland. In human literature there is good evidence to show that with increasing experience the use of the appropriate surgical technique, the total thyroidectomy can be performed with minimal complications. This surgical procedure has not been performed in the calves. Herein, the pathomorphological, ultrasonography and surgical management of the enlarged thyroid gland in a calf is described. To our best knowledge present study is a pioneer study of surgical management of non neoplastic enlarged thyroid gland.

Case History:

A 4 month old cross bred calf, belonging to an owner from Bandipora some 60 kilometers from our Division with excessive swelling of the ventral neck area was referred by the field Veterinarian expressing inability to perform the surgical intervention of the case. Upon examination, the animal appeared to have restless, labored breathing and fever. On palpation of the neck region, there was bilateral distension of the ventral neck region.

Tentative Diagnosis

I. *Non-neoplastic enlarged thyroid gland*
II. Neoplastic growth in cervical region

III. Mega-esophagus

IV. Chronic cystic growth

In order to establish confirmatory diagnosis following procedures were adopted

1. **Biochemical assay**

   T4 levels were below the normal range. However, TSH levels were elevated

2. **Ultrasongraphy:**

   Normally the thyroid gland extends up to the first three cervical vertebrae. In this case distension and the soft tissue extended up to the dewlap region.

3. **Histopathology:**

   Histopathological examination revealed Lymphocytic infiltrations with distorted architecture of the lymphoid follicles.

Confirmatory diagnosis

Non-neoplastic enlarged thyroid gland

Preparation and Technique

The animal was sedated with diazepam and the surgery was performed under Injection Xylazine + Ketamine anaesthesia at recommended doses rate for calves, however the incorporation of local anaesthesia was employed when needed. The animal was placed in dorsal recumbency with the extended neck. Cervical area was shaved and prepared for the surgical procedure. A midline incision over the neck was performed as per standard procedure adopted from human surgical procedure. Briefly Sternocledomastoideous muscle was isolated and after careful dissection of sternothyroid, sternohyoid and omohyoid muscles, left thyroid gland was identified. The blood vessels were carefully ligated and the left thyroid gland was excised. Same procedure was followed for the right thyroid gland. The muscles and skin were closed in the routine manner. Every care was exercised to prevent damage to collateral vitals viz caroid artery, jujular vein, esophagus and trachea. The wound was sealed and animal was given standard post operative follow-up daily for seven days initially, followed by weekly and finally fortnightly.

Post procedure

The animal was followed for one year during which the animal didn't develop any complication and had normal growth rate, blood biochemistry and hormonal profile.

Implications

The procedure is unique for being reported as pioneer study in calves with no complications. This was possible due the expertise of the surgeons and equipments which are available in the Division of Veterinary Surgery and Radiology which were purchased under ICAR developmental grant.

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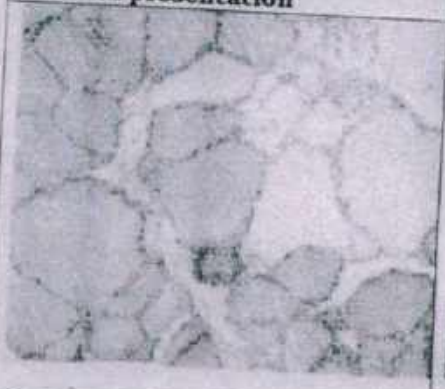
Clinical presentation

Ultrasonography

Histopathology



Histopathology

Site preparation

Skin Incision

3. Subplatysmal Flaps

Separating Muscles to Expose Thyroid gland

ligation of Middle Thyroid Vein

ligation of Superior Laryngeal Artery

Removed The Thyroid Gland

Suturing back

Division of Veterinary Surgery & Radiology,
Faculty of Veterinary Sciences Animal Husbandry
Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir
Shuhama, Alusteng Srinagar, 190006, J&K

Honorable Vice-Chancellor
SKUAST-K
Shalimar

No.: AU/FVS/VSR-18/C-1/51-53
Date: 19/04/2018

Sub: *Transfer of Technology*

Sir,

Kindly find enclosed herewith the Transfer of Technology document from the Division of Veterinary Surgery and Radiology as desired by your good self in 55th RCM.

Soft copy stands mailed at: vcskuastkashmir.ac.in

Yours faithfully

(Dr DM Makhdoomi)
Prof. & Head
Division of Veterinary Surgery and Radiology

Copy to:

- Director Extension Education, SKUAST-K, Shalimar for information.
- Director Research, SKUAST-K, Shalimar for information.

For (UC) Ranking of VSR.

Dr(DM)/SVC

20/4

Division of Veterinary Surgery & Radiology, Faculty of Veterinary Sciences & Animal Husbandry
Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir(SKUAST-K)
Srinagar, Jammu and Kashmir 190006

TECHNOLOGY DEVELOPED

ULTRASOUND GUIDED PERIVASCULAR AND PERINEURAL BRACHIAL PLEXUS BLOCK IN SHEEP

BY

Dr. D.M Makhdoomi

Prof and Head

Technology Details

Name of the technology	***ULTRASOUND GUIDED PERIVASCULAR AND PERINEURAL BRACHIAL PLEXUS BLOCK IN SHEEP***
Name of the CPI	**Dr. Dil Mohammad Makhdoomi**
Name of the Institute	**Division of Veterinary Surgery And Radiology, F.V.Sc and A.H, SKUAST-K**
Contact details with Email and Mobile/Phone	dmmakhdoomi@gmail.com, 9419425018,7889551819

Non-Commercial Information

1. Description of technological innovation

Ultrasound guided regional anesthesia has gained popularity in Veterinary Practice. Ultrasonograhy-guided nerve blockade allows for a real-time imaging of the target nerves eliminating the need for repeated needle insertion thus minimizing tissue damage, reducing the risk of inadvertent vascular injury and shortening the block performance time. Furthermore, a real time visualization of the spread of local anesthetic solution over the target nerve is quite possible, thus allowing a closer needle insertion to the target nerve and subsequently reducing the required amount of local anesthetic compared with the conventional blind techniques. This approach allows visualization of the length and needle tip while progressing to the nerve.

2. support needed for the large scale adoption of this technology

1. Organizing workshop and seminars under one roof involving, researchers, veterinary professional, stakeholders, industries and livestock rearing farmers to popularization of technology.
2. Organizing training course/hands-on training for Veterinary professional.
3. Popularizing technology for large scale adoption through involvement of University **Krishi Vigyan Kendras** centers.
4. University support to divisional scientists to present the technology at various forum and conferences.

3. benefits of this technical innovation

I. Relief to Poor farmers involved in rearing of small ruminants (sheep and goat).
II. Real time delivery around the nerve
III. Dose reduction of anesthetic agent (15mg of ropivacaine per animal)
IV. Avoidance of accidental thorax punctures
V. Target nerves located
VI. Toxicity of overdose avoided
VII. Onset of anesthesia is quick
VIII. Duration of anesthesia is desired
IX. Any operation of forelimb of duration 1-2 hrs can be done under this anesthesia.

4. Problems it solve

I. Blind nerve pricks are avoided
II. Delayed onset of anaesthetic effect seen in blind techniques is avoided
III. Toxicity of overdose avoided
IV. Reducing the risk of inadvertent vascular injury
V. Reduction of nerve trauma
VI. Amelioration of stressful conditions

5. stake holders

1. Veterinary field professionals (sheep Husbandry and Animal Husbandry Department)
2. Poor farmers involved in rearing of livestock.

6. Chronologically of stages the Technology has gone through

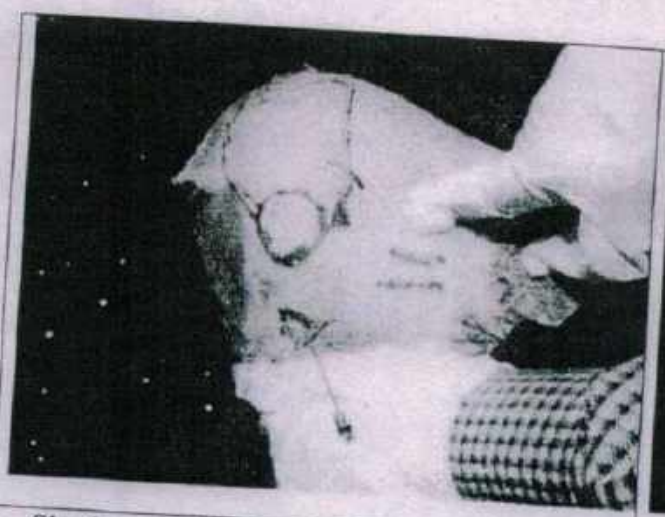
PERINUERAL BRACHIAL PLEXUS BLOCK

The sheep were subjected to overnight fasting for 12 hours. All animals underwent antisepsis of the appendages prior to brachial plexus block. The scapula and the area around the scapular region was cleaned, shaved, surgically scrubbed and prepared aseptically. The animals were restrained in lateral recumbence which was followed by application of copious gel over the prepared site. After standardization of procedure from

different possible angles and borders of scapula and anatomical area in vicinity the window was identified. The exact area where from the brachial plexus was visible was by placing the transducer along the medial aspect of scapula over the triceps and latissimusdorsi muscle. The axilary lymph node was identified and the needle was inserted under the guidance of ultrasound scanner. The needle was slowly pushed forward above the level of axillary lymph node so that the level of the needle was nearer to the plexus close to the radial nerve and the anesthetic agent i.e. 0.75% ropivacaine hydrochloride was injected and its spread around the brachial plexus was clearly monitored on the screen of the ultra sound scanner. The deposition of the anesthetic agent at brachial plexus was monitored on USG screen.

PERIVASCULAR BRACHIAL PLEXUS BLOCK

The sheep were subjected to overnight fasting for 12 hours. The area on the caudal border and distal aspect of scapula was surgically scrubbed and prepared aseptically. Animals were restrained in lateral recumbency and copius gel was applied on the prepared part. Ultrasonography was performed by using TELEMED CAB by placing 5-10MHz linear transducer on the triceps brachial muscle. The auxiliary area was then scanned with the transducer orientated in a para sagittal plane, the transducer was glided, rotated or tilted until an optimal short axis (transverse) view of the axillary vessels (axillary vein, axillary artery) was obtained. The axillary artery was identified by its characteristic anechoic pulsatile ultrasound image. After confirming that blood could not be aspirated calculated dose of anesthetic agent was deposited around the artery.

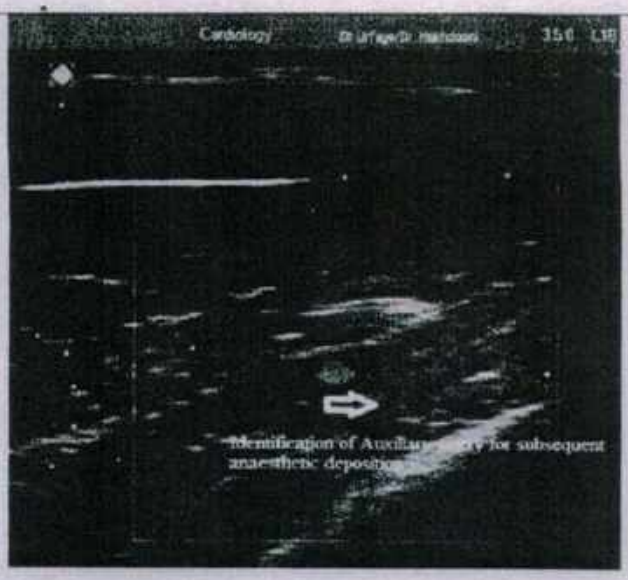


Site for anesthetic deposition in conventional brachial plexus block

Positioning of transducer.

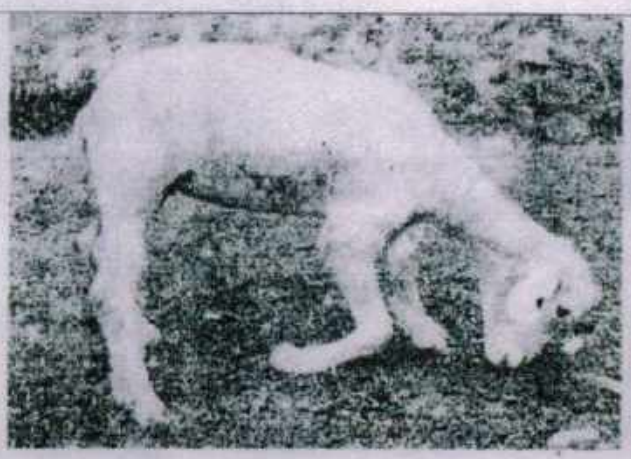
Deposition of anesthetic agent

Colour Doppler showing needle insertion near axillary artery.



Deposition of anesthetic agent around axillary artery in transverse scan.

Flexion of fetlock joint after brachial plexus block.



Flexion of knee joint after brachial plexus block.

Sonogram showing brachial plexus bathed in local anesthetic solution.

7. Technology Scalability

1. Technology has been well recognized by scientific community as Technology was showcased in various National and International conferences. Technology has been awarded Gold medal and one best paper presentation award.
2. Technology is well appreciated by farmer community and Field Veterinary Professional In State and outside the State.

8. Translational value

1. Technology can be replicated in large ruminants and wild (captive and zoo) animals.
2. Our Division has successfully replicated the technique in large ruminants (Mansbal Research Station and Clinical cases presented at Teaching Veterinary Clinical Complex Shuhama)

Non-Technical Information

Technology Readiness Level Status

Parameters	Yes	No	Don't Know/ Can't Say
The technological innovation is at a conceptual stage	Yes		
Proof concept for the technology is ready	Yes		
Bench scale validation of the technological innovation is complete	Yes		
Data for scaling up of technology needs to be generated	Yes		
The technology is ready for commercial investments	Yes		
Technology has been demonstrated at multiple locations	Yes		
Large scale validations are complete		No	
Technology is ready to be translated to a business plan	Yes		
The technical innovation will require skilled manpower	Yes		

The technical innovation can be invested in by any entrepreneur	Yes		
Internationally there are similar technologies available	Yes		
The technical innovation is a low cost alternative	Yes		

Detail of remittances in respect of externally funded projects (2018-19)

S.No.	Particlars	Amount (Rs. In lakhs)
1.	DST Projects	253.90
2.	UGC	34.17
3.	DBT	308.10
4.	Others	386.11
5.	Fellowships	47.78
	Grand Total	1030.06

Statement showing detail of remittances in respect of externally funded projects (2018-19)

S. No.	DST Project	Principal Investigator	Funds received 2018-19
1.	Nutrient indexing of crops to monitor the change	Dr. M. A. Wani Division of Soil Sci	Concluded
2.	A Socio-economic Study of Fishing Community	Dr.Rizwana Faculty of Fisheries	-do-
3.	EPT Technique for Bio monitoring of Selected Fresh Water.....	Dr.SajadHussain Entomology	-do-
4.	Development of Pre- and post-harvest management for daffodils	Dr. M. A. A. Siddique, Div. of FLA	-do-
5.	DST- FIST programme	Dr.Manzoor-ul-Rehman, Div. of Vety. Biochemistry	-do-
6.	Ecological & Socio-economic Study on Chiru	Dr.Khursheed Ah. Faculty of Forestry	-do-
7.	Indexing & Molecular Characteristics of Virus Infecting Cherry	Dr.Bilal Ahmad Padder Plant Pathology	-do-
8.	Enhancement of livelihood security of Pashmina Spinners...	Dr.Sarfaraz Ahmad Wani FVSc& AH, Shuhama	-do-
9.	Mechanistic insight into Chemo-Preventive effect..... in wistar rats.	Dr.Muneeb-ur-Rehman FVSc& AH, Shuhama	-do-
10.	Electronic Saffron Corn Grader & Walnut Grader	Dr.G.M.Mir Agricultural Engineer	-do-
11.	Differential gene expression analysis ..... of Common bean	Dr.B.A.Padder Pathology	-do-
12.	Development of NTFP.....	Dr. Peerzada Ishtiyaq, Faculty of Forestry	-do-
13.	Former Participatory Varietal Selection in Rajmesh	Dr.Parvez Ahmad Sofi RRS, Wadura	-do-

14.	Intercropping in mulberry-a sustainable income augmenting venture for rural women.	Dr.MushtaqRasool TSRI, Mirgund	-do-
15.	Entrepreneurship development of flowering bulbous crops of JK	Dr.Zahoor Ahmad Bhat Floriculture	-do-
16.	Standardization of Vermicompost .....Cold desert areas.	Dr.M.Y.Zargar Dean RRS	-do-
17.	Introduction development of Sericulture in new areas of Kargil.	Dr.M.A.Malik. TSRI Mirgund.	-do-
18.	S&T interventions in agricultural & allied sectors.....	Dr. S.H. Baba. Agri. Economics.	-do-
19.	Biomass carbon distribution of major forest types.....and GIS.	Dr.Akhlaq Amin Wani. Forestry.	2.00
20.	Mass trapping and mating disruption of codling moth.....	Dr.BarkatHussain. Entomology.	0.00
21.	Evaluation of vegetation, its communities and habitats and management strategies in Dachigam National Park. J&K.	Dr.Shalu Devi Thakur. Forestry.	0.00
22.	Genetic susceptibility to mastitis in cows, reared in temperate regions of Kashmir.	Dr.Manzoor-ur-Rehman. Vety. Biochemistry.	16.50
23.	Ecological engineering for conservation biological control of insect pests.....	Dr.Akhtar Ali Khan. Entomology.	6.80
24.	Mining of dual acting plant based molecule inhibitors affecting AR nucleo-cytoplasmic translocation and P13K signalling pathways in prostrate cancer.	Dr.Khalid Z. Masoodi. Div. Of plant Biotechnology. Shalimar.	7.50
25.	Study on waterfowl ecology, migratory patterns and disease monitoring in the wetlands of Kashmir valley.	Dr. Khursheed Ahmed. I/C Centre for mountain wildlife, Shuhama.	5.00
26.	Innovative technological interventions to address basic household needs of the tribal people of Zanskar valley.	Dr.Anup Raj. HARES Zanskar (kargil).	4.81
27.	Proteome identification of binding-partners interacting with alpha-1 syntrophin (SNAT1) protein in human breast cell lines.	Dr.Hina F. Bhat. Div. of Biotechnology, Shuhama.	12.00
28.	Promoting cultivation of endangered Kala Zeera (BuniumPersicum) for enhancing livelihood security of tribal farmers in temperate high lands of Northern India.	Dr. Bashir Ahmed Alie. DARS Budgam.	3.00
29.	Pesticides risk reduction through development of model villages in	Dr. Tariq Ahmed Sofi.	5.00

	Southern Kashmir Valley.	SMS Plant Pathology. KVK Kulgam.	
30.	Networking Projects on Revival of Village Ponds through Scientific intervention under the theme Managing Water Cycle including Rain Water Shortage for Sustain Water Prod. In Plains.	Dr.Tahir Ali. Professor. Div. Of Soil Sciences.	0.00
31.	Generation of a genetically-stable live vaccine candidate against infectious bursal disease virus (IBDV) through mutagen-driven lethal mutagenesis. (SERB).	Dr.NadeemShabir. Asstt. Prof. Animal Biotech.	9.00
32.	Mining of Scab resistance R-genes from different cultivars of Apple & introducing scab resistance in commercially important varieties of Apple grown in Kashmir valley through cisgenesis.	Dr.Nazeer Ahmed. Hon'ble Vice- chancellor.	8.72
33.	Technological interventions for prophylactic & therapeutic management of contagious caprinepleuropneumonia (CCPP) in pashmina goats.	Dr. Mohammad IqbalYattoo. Animal Science. KVK Nyoma.Leh.	10.00
34.	Use of Dal lake weeds as a source of nutrient medium for the growth and yield of Gladiolus, Tulip and Lillium.	Dr.Zahoor Ahmed Bhat. Div of Floriculture.	7.16
35.	Improvement of grazing land/ pastures through participatory management approach in temperate conditions of Kashmir valley.	Dr.Javed Ahmed Mugloo. Faulty of Forestry.	0.00
36.	Bacterial endophyte community dynamics in apple cultivators : its impact on scab prevalence in Kashmir valley.	Dr.Shahid Ahmed Padder. Plant pathology.	0.00
37.	Revival of traditional beekeeping by improving the health of honey bees for restoration of degraded agro- ecosystems in Kashmir.	Dr.Muneer Ahmed Sofi. Div. of Entomology.	0.00
38.	Development of Innovative strategies for the management of Whitefly in vegetable ecosystem of Kashmir.	Dr.Akhter Ali Khan. Div. Of Entomology.	11.71
39.	Assessment of Anti-cold stress effects of Nano-zinc, Vitamin C and Vitamin D in poultry birds & its implementation in field conditions in various districts of Kashmir valley.	Dr.ShowkeenMuzamil Bashir. Vety. Biochemistry. Shuhama.	13.97
40.	Transcriptome profiling of local Kashmiri vs Commercial poultry.....	Dr.Mudasir Syed Vety. Biotechnology, FVSc. & A.H Shuhana	31.49
41.	Cultured allogenicmesenchymal stem cell application	Dr.MudasirGugjoo, Vety. Clinics	24.50
42.	Household waste management for organic kitchen gardening. (INDO-US-S&T)	Dr.JunaidNazir Khan, Agri. Engineering	10.00
43.	Eco friendly utilization of Aquatic weeds and Agricultural waste for paper production in Kashmir valley.	Dr. Shoukat Ara. Environmental Sciences.	17.00
44.	Technological interventions for socio economic upliftment of rural	Dr. Mohammad Iqbal Yatoo.	13.48

	dairy farming women. An initiative for dev. of mastitis free model village.	Animal Sciences.	
45.	Production improvement of Changthangi sheep by technology interventions for livelihood improvement of Changpa nomads of Ladakh.	Dr. Feroz Din. HMAARI, Leh.	14.65
46.	Scientific intervention management of brown tale----- ladakh	Dr. Teehmina Mushtaq Entomology	8.45
47.	Utilization of chia seeds for development of functional foods	Dr. Aasima Rafiq KVK Anantnag	11.16
	TOTAL		253.50

S. No.	UGC Project	Principal Investigator	Funds received 2018-19
1.	Rajiv Gandhi Chair.	Dr.Masood-ul-haqWani. Agri. Economics.	34.17
2.	Improving resource use efficiency and productivity of rice.	Dr.Ashaq Husain. MRCFC Khudwani.	0.00
3.	Biochemical and molecular charac. of efficient isolates.....	Dr.F.A.Mohiddin. Plant pathology.	0.00
4.	Diversity Analysis of Maize (*Zea mays* L).	Dr.Zahoor Ahmed Dar. DARS Budgam.	0.00
	Total		34.17

S. No.	DBT Project	Principal Investigator	Funds received 2018-19
1.	Establishment of BIF for Promotion of BTBI under BTIS net.	Dr.N.A.Ganai FVSc& AH, Shuhama	12.09
2.	Star College Scheme	-do-	0.00
3.	HRD Programme	-do-	0.00
4.	Characterization & Conservation of Apricot germ Plasma in J&K.	Dr.Fiazan Ahmad KVK, Kargil	0.00
5.	Differential Expression Analysis of Cold Stress..... in Rice	Dr.AmjadHussain Genetics and Plant Breeding	3.92
6.	Marker Aided in Corporation of Major Genes.....Rice	Dr.Asif Bashir Shikari. Khudwani	7.63
7.	Distribution of virus free planting material and establishment of virus free bud-wood donors mother plant banks of apple growers in Kashmir.	Dr.Meraj-ud-din Shah. Assoc. Professor. Plant Pathology.	0.00
8.	Marker Assisted Selection for breeding scab resistant and high quality apples.	Dr. Khalid Bhat. Assoc. Professor. Div. of Fruit Sciences.	0.00
9.	Development of cold tolerant biological nutrient solubilizers (P, K& Zn.) for organic farming in Kashmir valley.	Dr.Zahoor Ahmed Baba. Assoc. Professor. RRS, Wadura, Sopore.	0.00
10.	Dev. Of new cultivars in ornamental through vito mutagenesis.....	Dr.Zahoor Ahmed Rather. Floriculture.	0.00
11.	Mammary Gland specific transcriptional profiling of Kashmiri cattle & its jersy cross for milk quality and yield traits.	Dr.Mudasir Ahmed Syed. Animal Biotechnology, FVSC&AH, Shuhama.	0.00
12.	Marker assisted introgression of major blast resistance gene into jehlum- a blast susceptible variety of rice (Oryzasativa L.)	Dr. Mohammad Ashraf Bhat. Div. Of P.B.G, FOA,Wadoora.	0.00
13.	Molecular screening, cell culture based isolation and characterization of fin fish and shellfish viruses and establishment of National repository.	Dr.Feroz Ahmed Shah. FoFy, Ganderbal.	0.00
14.	Genome Wide Association Studies in *PhaseolusvulgarisColletotrichumlindemuthianum*pathosystem.	Dr. Bilal Ahmed Padder. Plant Pathology.	12.02

	farming intervention for elite tulip &7yacinth bulb production for economic upliftment of Kashmir.	Div. Of Floriculture.	
16.	Monoculturing of exotic sheep in J&K : impact assessment using molecular makers for conservation genetics	Dr.NusratNabi. Ph.D. Scholar. Div. Of ABG, Shuhama.	23.72
17.	Dissemination and demonstration of pheromone/ dispenser technology for the area wide management of codling moth in Ladakh.	Dr.BarkatHussain. Div.of Entomology.	8.11
18.	Identification of pure saffron using foldscope....	Dr.AmjadMasoodHussaini.	6.00
19.	Standardization of pulsing and holding..... lily.	Dr.Zahoor Ahmed Bhat Floriculture.	6.00
20.	To search for and inventory of distinct....	Dr.Anup Raj., Faculty of Forestry	6.00
21.	Biodiversity and conservation (Fold scope)	Dr. Henna Bhat, Animal Biotech. FVSc. & A.H. Shuham	6.00
22.	Demonstration and popularization of biofarming	Dr. Tariq Ah. Sheikh. FOA, Wadura,	8.85
23.	Pathogencity genes discovery in Colletotrichum..... bean	Dr. B. A. Padder Pl. Pathology	7.28
24.	Establishment of small scale production..... Root rot of apple	Dr. F. A. Mohi-ud-Din Pl. Pathology	9.78
25.		PankajGoswani Vety. Pathology	18.62
26.	Establishment of biotech – KISSAN hub at SKUAST-K, Shalimar	Dr. F. A. Zaki Dean, FOH, Shalimar	94.25
27.	Socio-economic upliftment of sheep breeders technology.....	Dr. Syed Shahnaz ABG Shuhama	27.66
28.	Innovative poultry horticulture integrated systems	Dr.AzmatAlam Khan, LPM, FVSc. & A.H. Shuhama	13.41
29.	Regulating reversion to virulence in live attenuated	Dr. Nadeem Shabir. Animal Biotechnology.	25.40
	TOTAL		308.10

S. No.	Others Project	Principal Investigator	Funds received 2018-19
1.	Economic Revival of J&K Saffron Sector (RKVY)	Dr.F.A.Nehvi SRS, Pampore	Concluded
2.	Integrated Agromet Advisory Services Leh	Dr.MohammadSaleem Mir Leh	9.20
3.	PFDC	-do-	45.75
4.	FASAL, Scheme	Dr.K.N.Singh Agronomy	4.02
5.	Network Project on Market Intelligence (NCAP) – I	Dr.M.H.Wani Rajiv Gandhi Chair	Concluded
6.	Network Project on Impact Assessment from (NCAP)-II	-do-	-do-
7.	National Surveillance Programme on Aquatic Animal Diseases	Dr.Feroz Ahmad Shah Faculty of Fisheries	9.25
8.	Sericulture Based Farming System for Sustainable Agriculture.....	Dr.M.A.Malik TSRI, Mirgund	Concluded
9.	Expansion of Pashmina Goat Rearing in Kargil (CWDB).	Dr.Sarfaraz A. Wani Dean, FVSc& AH, Shuhama	-do-
10.	Population Screening & Identification of Biomakers.....	Dr.Manzoor-ur-Rehman FVSc& AH, Shuhama	7.41
11.	Mission for Integrated Development of Horticulture (MIDH) (Prod. & Popularization of Temperate Spices.....(GoI)	Dr.NayeemaJabeen Vegetable Science	19.82
12.	Poultry Seed Project	Dr.AzmatAlam Khan LPT, Shuhama	19.00
13.	Aquatic Animal Health & Environment Management Lab.	Dr.Feroz Ahmad Shah Faculty of Fisheries	0.00
14.	Revival of high valued traditional rice land cultivation.....	Dr.N.R.Sofi. MRCFC Khudwani.	2.97
15.	Effect of climate variables on pollinators (IIHR).(NICRA)	Dr. Abu Manzar. Entomology.	**0.00**
16.	Study of clostridium perfringens and dichelobactor.....(NAE).	Dr Shakil Ahmed Wani Vety.Microbiology.	0.00
17.	Elucidating the mechanism of Pashmina fibre (OIMCS).	Dr.Nazir Ahmed Ganie. Div. Of ABG.	15.12
18.	Evaluation of different genotypes of wild Apricot for oil yield.....	Dr. A.H. Mughal.	0.00

	(NMOOP).	Forestry.	
19.	Production and Forcing of Bulbs in Lillium.	Dr.Nasir Hamid Masoodi Floriculture.	0.00
20.	Broadening the genetic base of rice crop to empower farmers for climate change adaptation through crowd sourcing.	Dr.G.A.Parray. MRCFC Khudwani.	0.00
21.	Vulnerability of disturbances, resources mapping & ex-situ conservation of endemic & relict species BetulautilisD.Don (Himalayan birch) in Sindh forest division of Kashmir.	Dr.T.H.Masoodi. Faculty of Forestry, Benhama.	2.38
22.	Development of psychrophilic earthworms for bio-waste conversion in Gurez and Tulial valleys of Jammu & Kashmir.	Dr.Tahir Ahmad Sheikh. Div. Of Agronomy, FOA-Wadoora	4.06
23.	Assessment of status, distribution and threats of Snow Leopard and its prey in Kashmir region of Jammu & Kashmir State.	Dr.Khursheed Ahmed. I/c. Centre for Mountain Wildlife Sciences. Shuhama.	0.00
24.	Education needs for precision Agriculture. (ICAR Extramular)..	Dr.Rohitashw Kumar. Div, of Agri. Engg. Shalimar.	0.00
25.	Studies on potassium dynamics in Apple crop ecosystem of Kashmir.(IPL)	Dr.Gh. Hassan Rather. Div. Of Fruit Sciences. Faculty of Horticulture. Shalimar.	0.00
26.	Climate change impact on erosion processes, carbon sequestration and crop productivity in cold Arid Agro-ecosystem.(CGC-NICRA).	Dr.Mushtaq Ahmed wani. Div. Of Soil Sciences.	23.05
27.	Climate change impact on water resources availability in cold arid regions of North Western Himalayas under Competitive Grants Component (CGC-NICRA)	Er. Junaid N. Khan. Aggri. Engg. Shalimar.	19.24
28.	Setting up of Integrated Bee-Keeping development centre (IBDC)/ centre of Excellence (CoE) at SKUAST-K.	Dr.Manzoor Ahmed Parray. Div. of Entomology.	25.00
29.	Collection, characterization & Utilization & Registration to farmers.....	Dr.Zahoor Ahmed Dar, DARS Budgam.	4.50
30.	Up gradation of Farm Machinery Testing Facility under Sub Mission on Agricultural Mechanization.	Dr. Jagvir Dixit. Agri. Engg.	0.00
31.	A Study from Kashmir valley on status and prevalence of biochemical deficiency of thiamine in breast fed infants with encephalopathy &in their lactating mothers.	Dr.Imtiyaz Ahmed Murtaza. Biochemistry, Faculty of Horticulture.	16.03
32.	Long term conservation plan for Hangul Part II "Hangul movement	Dr.Khursheed Ahmed.	0.00

	pattern study using GPS- Satellite Telemetry.	Wildlife Sciences.	
33.	Policy Imperatives for promoting value chains of Agricultural Commodities in India.(ICAR-NIAP).	Dr. S.A. Wani. Div. of Agri. Economics.	13.34
34.	Solar powered Micro Irrigation System at Leh, Jammu & Kashmir.	ADR Leh.	0.00
35.	Hangul conservation Breeding & collaring Programme under CAMPA.	Dr.Khursheed Ahmed. Wildlife Sciences FoF.	0.00
36.	Impact of climate change on Apple production and screening of climate resilient varieties in Kashmir valley.	Dr.Farooq Ahmad Lone. Div. Of Environmental Sciences.	21.77
37.	Collection, Characterization, Conservation and Utilization of important genetic resources of hilly regions of J&K and Ladakh. (MNHS)	Dr. Sajad Majeed Zargar Div. Of Plant Biotech.	21.40
38.	A value chain of Saffron in new areas of NW Himalayas by engaging youth and women for strengthening a bio-based green Economy. (MNHS)	Dr.AmjadMasoodHussaini. Centre for plant bio-tech.	45.44
39.	Mapping adoption of improved varieties and their management practices in Kashmir.	Dr.F.A.Shaheen. Agri. Economics.	10.61
40.	Database on livelihood generation and carbon sequestration through wicker willow in Kashmir.	Dr.K.N.Qaiser. Agro. Forestry.	5.21
41.	Development of descriptor for saffron ..... regions of Jammu and Kashmir PPV & FRA	Dr. S.A. Dar SRS Konibal, Pampore	9.00
42.	Carbon foot printing based on lifecycle in apple (NICRA)	Dr.Shabir Ah. Bangroo FOH, Shalimar	3.88
43.	NABARD Leh (ETHE)		1.81
44.	NABARD Leh (Vermicompost)		1.80
45.	Entrepreneurship development and livelihood enhancement of Sheena ..... NMHS	Dr. M. A. Islam Fo Forestry	5.21
46.	Testing of Rice lines for cold tolerance and blast.	Dr. Showkat Ahmed Waza. MCRS, Sagam	2.11
47.	Production of Quality planting material of high expert grafted walnut plants under low cost controlled conditions for sustainable horticulture sectors in district Kupwara.	Dr Imtiyaz Ahmed Lone. KVK Kupwara.	5.04
48.	Enterprenuership development of cold waters Fisheries.	Dr. Gowher Ahmed Wani. Aqua Engg. Fisheries.	1.47
49.	Phenotypic and genetic variations of free floating..... duck weed.	Dr. Gowher Ahmed Wani. Plant Biotechnology.	9.60

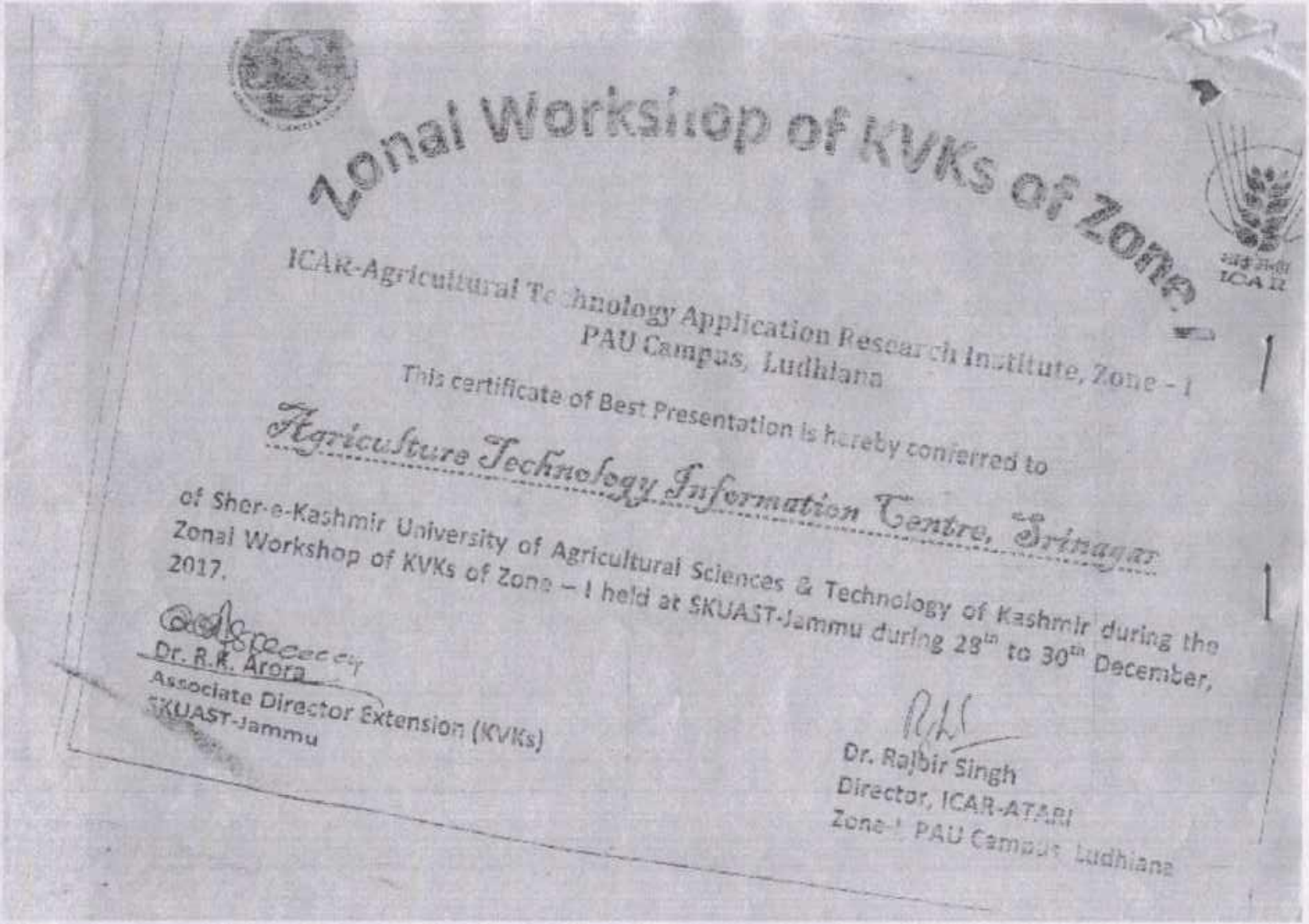
50.	Root stock H.D.P Apple. (NABARD) .	Dr. Ishtiyaq Ahmed Khan. K.V.K Anantnag.	1.62
	TOTAL		386.11

Annexure C1/ C2:

C1.	**KVK Awards during 2018** (list to be enclosed) a) Number of Zonal awards b) Number of National awards	**1**
C2.	Extension workers Awards at State/National Level during 2018 (list to be enclosed) a) Number of Zonal awards b) Number of National awards	1

ANNEXURE - C1

C1 Annexure



Zonal Workshop of KVKs of Zone - I

ICAR-Agricultural Technology Application Research Institute, Zone - I
PAU Campus, Ludhiana

This certificate of Best Presentation is hereby conferred to

Agriculture Technology Information Centre, Srinagar

of Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir during the Zonal Workshop of KVKs of Zone – I held at SKUAST-Jammu during 28th to 30th December, 2017.

Dr. R.K. Arora
Associate Director Extension (KVKs)
SKUAST-Jammu

Dr. Rajbir Singh
Director, ICAR-ATARI
Zone-I PAU Campus Ludhiana

C-2.

3rd NATIONAL CONFERENCE of SOCIETY FOR VETERINARY & ANIMAL HUSBANDRY EXTENSION

(Regd. No. LDH/055 of 2006-07)

"Livestock Development for Societal Need : Extension & Allied Sectors Initiatives"

April 3-5, 2019

Organized by :

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

Certificate of Honour

Certified that **DR. ABDUL HAI** *of*

SKUAST-K (J & K)

has been conferred **EXTENSION SCIENTIST AWARD**

in the 3rd National Conference of 'Society For Veterinary & Animal Husbandry Extension'.

Pantnagar
April 3, 2019

(H.K. Verma)
Secretary

(K.B. Singh)
President

NATIONAL INSTITUTE OF RURAL DEVELOPMENT PANCHAYATI RAJ

Ministry of Rural Development, Govt. of India, Rajendranagar, Hyderabad - 500 030

Centre for Innovations and Appropriate Technologies

Rural Technology Park

RISC-2018

Certificate of Merit

This is to certify that Mr./Ms. DR. AMBREEN HAMADANI

has been awarded SECOND PRIZE – RIDe CHALLENGE under the theme : AGRICULTURE AND ALLIED ACTIVITIES by the jury for demonstrating DEVELOPMENT OF A SOLAR BORDER FOR TEMPERATURE RURAL AREAS and was awarded a cash prize of Rs. 5,000/- (Rupees Five Thousand)

in the Rural Innovators Startup Conclave (RISC-2018) held during 30th - 31st August, 2018 at NIRD&PR, Hyderabad.

7 CHALLENGES IN SEARCH OF INNOVATIVE SOLUTIONS

AGRICULTURE & ALLIED ACTIVITIES | GREEN ENERGY | WASTE TO WEALTH | SUSTAINABLE HOUSING | HEALTH & ELDERLY CARE | DRINKING WATER & SANITATION | SUSTAINABLE LIVELIHOOD

Dr. S Ramesh Sakthivel
Associate Professor & Head

Shri Mohammad Khan
Senior Consultant

C3 Annexure

Quality input supplied by University (Seed, Semen, planting material etc.)

S.No.	Input supplied	Total number
1.	Planting material	222998 nos.
2.	Semen doses	1070 no.s
3.	Breeder seed	120.108 qtls
4.	Fish seed/Fingerlings	
5.	Others (Birds/livestock/rabbits/ corms/ seed packets supplied)	➢ 175000

Samples analyzed

- DNA isolation: 2150
- Blood 5567
- Milk 5274
- Cancer biopsy for molecular/histochemical analysis 60
- Estrual Mucous 220
- White side test: 210
- Fern Pattern: 150
- Spinbarkiet value: 100
- pH Test: 160
- Rothera's test for ketosis 300
- Urinalysis by dipstick test 53
- Microscopic examination of urine 99
- CMT 1600
- White side field test for mastitis 195
- Mastitis test using Dramski Mastitis Detector 65
- Complete Blood Count 1575
- Antibiotic sensitivity test 1328
- SCF examination 37
- Blood smear examination for haemoprotozoan infection 2500
- Grams staining for bacterial infection 47
- Skin scrapping for ecto-parasites 110
- Microscopic examination of rumen microflora 800

• Estimation of rumen pH	1000
• Faecal/dung sample examined	2284
• Blood glucose	150
• Radiograhs:	490
• Sonography:	2710
• OPD Services	8930 cases
• IPD services	800
• Pashmina	500
• Pus	28
• Urine	1532
• Number of clinical samples analyzed	1700
• Postmortems	112
• Feed samples	469
• Scab	28
• Surgeries	1600

C4 Annexure

No. of Soil and plant samples analyzed in 2018.

C4.	No. of Soil and plant samples analyzed in 2018.
ATIC	112
Anantnag	250
Bandipora	83
Budgam	512
Ganderbal	381
Kargil	250
Kulgam	350
Kupwara	73
Leh	95
Nyoma	20
Pulwama	181
Shopian	**561**
Srinanagr	345
Zanskar	0
Total	**3213**

Consultancies/Assignments done

FVSc

Clinical /Diagnostic services

1. Clinical services are being provided through veterinary clinical complex
2. Clinical camps in collaboration with KVKs of different are being organized as a regular feature
3. Diagnostic services are being provided on-campus by different paraclinical Divisions through post-mortem, clinic-pathological investigations, microbiological investigations, parasitological investigations, antibiotic sensitivity testing, serological diagnosis, molecular diagnosis, etc.
4. Off-campus diagnostic services are provided through visits on call.

Training programmes

5. Organization of training programmes for the para veterinarians and veterinarian of the line departments
6. Organization of the training progrmmes for artisan regarding wool and pashmina products, to butchers &milkers regarding scientific meat and milk handling, and to entrepreneurers regarding production of canned meat and milk products.
7. Organization of training programmes to the unemployed youth for enhancing their entrepreneurship skills especially in poultry, dairy and small ruminant production
8. Regular participation in the programmes organized by KVKs/ Directorate of Extension education for disseminating technology/ scientific knowledge to the farmers, field functionaries etc through lectures, demonstrations as resource persons.

Foreign assignments

9. Visiting consultant to the Department of Animal Productivity at King Saud University, Riyadh, KSA (DrRiaz A Shah) (To provide consultation for development of Research Proposal for funding for enhancing productivity in Sheep and Cattle through the use of Assisted Reproductive Technologies)
10. Member, Global Food-borne Infections Networking previously Global Salm-Surv, External Quality Assurance System (W.H.O)
11. Regular radio/TV talks are being delivered by the scientists of the faculty

Provision of germ plasm and livestock/poultry units

12. Under different schemes livestock and poultry units were provided to farmers for their economic upliftment.
13. Under ICAR-NAIP project, elite bucks were provided to pashmina farmers in Chnagthang region for flock upgradation. Under same scheme pashmina goat units were established in the non-traditional areas of leh and Kargil.

14. Vanraja, Chabro, Kruoiler, Keystone Golden and Grampryia Chickens were provided to farmers in different districts of Kashmir, for back-yard poultry farming
15. FecB bucks were provided to sheep husbandry Department for upgradation of their flocks vis-à-vis fecundity.
16. Elite breeding rams and bulls are being provided to farmers for flock upgradation
17. Regular consultancies are provided to potential entrepreneurs from time to time.
18. Regular consultancies provided to Poultry farmers, feed manufacturers, Small and Large Animal farmers

No. of technologies transferred to farmers

1. Development high fecund genotype of sheep for Himalayan area with litter size 55-60% above than the local stock.
2. Development of Functional Mutton nuggets incorporated with Carrot.
3. Development of Functional Mutton nuggets incorporated with Walnut Kernels.
4. Development of Functional Mutton nuggets incorporated with Saffron petals.
5. Development of Functional Chicken sausages incorporated with lotus stem and ginger extract.
6. Development of Poultry feather cum skin meal.
7. Development of Chicken skin snacks.
8. Utilization of Head and cheek meat in enrobed mutton nuggets.
9. Specie specific detection of beef and buffalo meat in mutton Rista and Kababs by PCR technique.
10. Detection of adulteration of pashmina with sheep wool by PCR technique.
11. Fabrication of Table Top Paddle Operated Charkha for Pashmina Spinning.
12. Development of Improved warping system for warp making.
13. Improvisation of Handloom by development of 8 paddle handloom.
14. Optimization of technique for dyeing of pashmina fabrics with Natural dyes.
15. Development of Low cost Thermo chambers for reducing kid mortalities in Pashmina Goats
16. Development of Portable Dipping Tanks to be used in far flung rural areas.
17. Extension of pashmina goat rearing to nontraditional areas.
18. Development and popularization of Fec B sheep, Adapted sheep breeds of Corredale, Dorset, South Down for improved performance
19. Minimally invasive ultrasound guided tube cystotomy in calves for treatement of obstructive urolithiasis

20. Sonocumeletrolocation guided peripheral nerve blocks in small ruminnats
21. Ultrasound guided brachial plexus blockade in sheep and calves
22. Minimally invasive percutaneous intra- cystic catheterization in Ruminants

Spread of technology in large area (please specify percent area of adoption/spread at National level of total area)

S.No	Name of the Technology	Spread area	Extent of adoption (Least, Moderate, High)
1.	Introduction of prolificacy in sheep in the state		High
2.	Extension of pashmina goat rearing to non-traditional areas	Spread to Drass, Tia Suru, Shakar, Chiktan, Boodkharbu, Kanhgriyal, Shargole of Kargil district (J&K); Turtuk, Lakgung, Digger and Tangyar of Leh District (J&K) and Hango, Namgia, Tingrit and Chimrit districts of Himachal Pradesh	High
3.	Fabrication of Table Top Paddle Operated Charkha for Pashmina Spinning	Spread to Kashmir Valley, Gurez, Ladakh (J&K) and Palampur (Himachal Pradesh)	High
4.	Development of Low cost Thermo chambers for reducing kid mortalities in Pashmina Goats	Spread to whole of the Changthang areas of Ladakh region of Jammu and Kashmir	High
5.	Development of Portable Dipping Tanks to be used in far flung rural areas	Spread to whole of Ladakh region of Jammu and Kashmir	High

Forestry

Year	Consultancy provided to whom	Description of consultancy /advisory	Scientist concerned

2018	Social forestry, Wahidpora	Raising of conifers	Dr. P. A. Khan Dr. G. M. Bhat
2018	Freozen Semen Project, RanbirbaghBarsoo:	Surveyed, collected data, analysed results and prepared a report as member for Auction of Poplar Trees at Freozen Semen Project, RanbirbaghBarsooGanderbal vide No: Au/FoF/2018/A-14/698-707, dated: 15/05/2018. Earned a consultancy fee of Rs. 15000 for the faculty.	Dr. Akhlaq Amin Wani, Dr. Asif Ali Gatoo, Dr. M A Islam, Dr. TA Rather
2018	Special Forest Division Tangmarg:	Surveyed as member of the expert committee vide No: Au/FOF/2018/1823-26, dated: 26/07/2018 and submitted a detailed diagnostic report to the Dean (Faculty of Forestry) for onward submission to the concerned forest department) regarding drying of conifer trees in Gulmarg area/block.	Dr. Akhlaq Amin Wani, Dr. JA Mugloo
2018	KrishiVigyan Kendra (Quantification of Fire wood):	Successfully delivered duties as Chairman Committee vide No: Au/FoF/2018/0-1/2997-3000, dated: 17-10-2018 to visit KrishiVigyan Kendra Shopian for quantification of firewood to be auctioned at the said Kendra. A comprehensive assessment report regarding the quantification was submitted to Dean (FoF) for further necessary action	Dr. Akhlaq Amin Wani, Dr. Asif A Gatoo, Dr. JA Mugloo

Annexure C5

S.No.	Revenue generated	Amount in crores
1.	Consultancies	0.2672
2.	Certification	0.0220
3.	Testing	0.9750
4.	Tution fee	10.0800
5.	Licencing	1.4590
6.	Training	0.0305
7.	Sale of inputs	5.790
8.	Commercialisation of technologies	
9.	Any other (Please specify)	0.980+0.85= 1.83*
Total		**20.2737 crores**

*Includes interest incurred, sale of mushroom products, vegetables, flowers seedlings etc. Figures are rounded off to the nearest zero.

Certified that the information given is authentic and accurate as per the records and the list provided does not include the funds received from external and competitive grants.

Controller
SKUAST (K) Shalimar

Head of the Institute.

Vice-Chancellor
Sher-e-Kashmir University of Agricultural
sciences & Technology of Kashmir

Annexure C6

List number of inter-institutional collaborative projects obtained during 2018

C6.	**Number of inter-institutional collaborative projects during 2018. (Attach information as, PI, Name of Institute).**		
S.No	Name of the Project	PI Name	Name of Collaborating Institutes
1.	OMICS of pashmina fibre	DrNazir A Ganai Dr. J K Kaushik Dr. A. R. Rao	SKUAST-K, NDRI, IASRI New Delhi
2.	Mapping adoption of improved varieties and management practices in different states of India.	Dr. F. A. Shaheen From SKUAST-K and PI's from other SAU's	SKUAST-K, SKUAST-J, PAU, HAU, IFPRI-South Asia etc.
3.	Promoting commodity value chains in India	Prof. S. A. Wani& other 17 PI's from different institutions	SKUAST-K, NDRI, IVRI, IIHR, ICAR-NIAP etc.
4.	Innovative Technological Interventions address basic households needs of the tribal people of the Zanaskar valley	Dr. Rizwan Rashid, Dr. Lal Singh	SKUAST-K, HRG Shimla, DST New Delhi
5.	Regulating reversion to virulence in live attetuatedinfectious Bronchitis virus vaccineby enhancing its genetic stability.	DrNadeemShabir	SKUAST-K,Wellcome trust DBT India Alliance, Pilbright Institute, London,UK (Dr. Erica Bickerton, Head, Avian Coronavirus group) University of Cambridge , UK (Prof. Ian Breiley, Head Virology, Deptt. Of Pathology)
6.	Drug Discovery against Prostate cancer	Dr. Khalid Z. Masoodi-SKUAST-Kashmir, J&K, India Prof. Zhu Wang-University of Pittsburgh, PA, USA	SKUAST-Kashmir and University of Pittsburgh, PA, USA
7.	Inter-Institutional collaboration with National Horticulture Board, Ministry of Agriculture and Farmers Welfare, Government of India for construction of Greenhouses at Tajikistan on 8000 sq. m. area	DrJunaid Khan& MD NHB	SKUAST-K, NHB,GoI.
8.	Student staff mobility programme funded by EU	Dr. Sajad M. Zargar (SKUAST-K) Prof. Antonio Massi (Uni. of Padova)	SKUAST-K, Uni. of Padova, Italy
9.	Skill development programme in bee keeping for rural women	Dr. FarahanazRasool Mr, MuzaffarAlaqband	SKUAST-K & KVIC Srinagar

10.	Skill development programme in food processing for unemployed rural women	Dr. FarahanazRasool Mr. SaheelAndrabi	SKUAST-K & MSME GoI
11.	Women entrepreneurship Development Programme in Mushroom Cultivation	Dr. FarahanazRasool Dr. Sareen	SKUAST-K, EDI Ahmadabad (DST, NIMMATT scheme)
12.	Establishment of Bee keeping units for un employed women of rural areas in Kashmir	Dr. FarahanazRasool Mr. Yogender. Punia	SKUAST-K & Ambrosia (NGO), National Bee Board
13.	Expansion of Sericulture to Unexplored areas of KargilLadakh	Dr. AfifaKamili, Associate Dean (TSRI) Director Sericulture J&K and Director CSR and TI Pampore	SKUAST-K, Deptt. of Sericulture J&K, Central Sericulture Research and Training Institute ,Central Sericulture Board Pampore
14.	Indo-Dutch collaborative project on Dutch Hortifruit partnership for India	Dr. Nazeer Ahmed (VC SKUAST),Mr. Kunal Singh Chauhan General Secretery PGA Shimla, Mr. WouterVerhey Agriculture Counsellor, Embassy of the kingdom of the Netherlands, New Delhi	SKUAST-K, Progressive Growers Association Shimla and PIB Hortifruit Netherlands
15.	Expansion of pashmina in non-traditional areas of Kargil	Dr. Sarfaraz A Wani Director sheep Husbandry	SKUAST-K, Deptt. Of sheep husbandry Kashmir
16.	FASAL	DrSameeraQayoom Associate Professor	SKUAST-K, India Meteorological Deptt.

UNIVERSITÀ DEGLI STUDI DI PADOVA

Erasmus+

Erasmus + Programme

Key Action 1
– Mobility for learners and staff –
Higher Education Student and Staff Mobility

Inter-institutional agreement 2018-2020[1]

between institutions from
Programme and Partner Countries[2]

The institutions named below agree to cooperate for the exchange of students and/or staff in the context of the Erasmus+ programme. They commit to respect the quality requirements of the Erasmus Charter for Higher Education in all aspects of the organisation and management of the mobility, in particular the recognition of the credits (or equivalent) awarded to students by the partner institution. The institutions also commit to sound and transparent management of funds allocated to them through Erasmus+.

A. Information about higher education institutions

Name Erasmus and PIC Code	UNIVERSITÀ DEGLI STUDI DI PADOVA I-PADOVA01 (999995602)	
Institutional Coordinator	Prof. Alessandro Paccagnella Institutional Coordinator	International Office Via Lungargine del Piovego 1, 35131 –PADOVA(ITALY) Tel: +39 049 827 3052; Fax: +39 049 827 3917 Email: erasmus@unipd.it, international.office@unipd.it
Legal representative	Prof. Rosario Rizzuto Rector of the University	Via 8 Febbraio 2, 35122 Padova Tel: +39 049 827 3001; Fax: +39 049 827 3009 Email: rettore@unipd.it
Departmental flow coordinator	Prof. Antonio Masi	Dipartimento di Agronomia Animali Alimenti Risorse Naturali e Ambiente Viale Università 16, 35020 – LEGNARO (PD)(ITALY) Tel. +39 335 1012390 Email: antonio.masi@unipd.it
Contact person for the implementation of the project	Elisabetta Zanoga Project contact person	Email: elisabetta.zanoga@unipd.it
	Elisa Ambron Incoming students	Email: elisa.ambron@unipd.it
	Sabrina Marchiori Outgoing students	Email: sabrina.marchiori@unipd.it
	Nicola Benfatto Incoming and outgoing staff	Email: nicola.benfatto@unipd.it
Website (e.g. of the course catalogue)	http://www.unipd.it/en/	
UniPd Agreement No.	B11	

[1] This agreement is in force from 1st June 2018 to 31st July 2020.

[2] Erasmus+ Programme Countries are the 28 EU countries, the EFTA countries and other European countries as defined in the Call for proposals. Eligible Partner Countries are listed in the Programme Guide.

(1)

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
NATIONAL AGRICULTURAL SCIENCE FUND
Room # 707, KAB-I, New Delhi-110012

F. No. NASF/GTR-5006/2015-16 **Dated: 29.08.2018**

Sub: **Authorization for release of funds for the financial year 2018-19**

The following release of funds has been approved for the NASF as per details given below: -

1. Name of the Project/Programme/Activity: **"Elucidating the mechanism of Pashmina fibre development: An OMICS approach"**
2. Reference of Sanction letter: Letter No. **NASF/GTR-5006/2015-16**
3. Name of the Lead Centre: **SKUAST-K**
4. Name of the Cooperating centre(s): **NDRI, Karnal and IASRI, New Delhi**
5. Scheme Code: NASF
6. Total sanctioned amount for the project: **Rs. 311.24660 lakhs**
7. Total sanctioned amount for the project for the current financial year **2018-19**: **Rs. 44.43030 lakhs**
8. Total sanctioned amount for **SKUAST-K**: **Rs. 138.19480 lakh**
9. Total sanctioned amount for **SKUAST-K** for current financial year **2018-19**: **Rs. 17.61540 lakh**
10. Release for the financial year **2018-19**: **Rs. 15.12088 lakhs**
11. Audit Utilization Certificate received up to (date): NA
12. Grant to be released in favour of: **The Comptroller, SKUAST-K**
13. Release under NEH/TSP/Other than NEH: **Other than NEH region and TSP**
14. The breakup of amount now authorized for payment is given overleaf in Table 1 (p2/3):

IFSC Code: JAKA0SKUAST, Bank account No. 0242040500004451

(P. K. Agrawal)
ADG (NASF)

Section Diary Date:
Section File No. Sl. No. of App. Ledger

Budget Allocation checked and found correct. Submitted and Budget Allocation Register and Remittance Register.

F&AO

Pay Rs. (In words)_____

_____

Finance & Accounts Officer

Paid by Cheque No. _____ Date: _____

Cash Book Voucher No. _____ Date: _____

(5)

IndiaAlliance
DBT wellcome

Private and Confidential

Professor Riaz Ahamd Shah
Professor and Head Of The Department
Division of Biotechnology
Sher-e-Kashmir University of Agricultural Sciences and Technology
Srinagar 190006
India

E-mail: grants@indiaalliance.org
Tel: Hyderabad:+91 40 4018 9445
New Delhi:+91 11 4100 8403

Our Ref: IA/E/17/1/503703

27 December 2018

Dear Professor Shah,

The Wellcome Trust/DBT India Alliance has agreed to award **Dr Nadeem Shabir** an Early Career (Basic) Fellowship for 60 months for his study entitled, **"Regulating reversion to virulence in live attenuated Infectious Bronchitis virus vaccine by enhancing its genetic stability"**, under your sponsorship.

The India Alliance reserves the right to amend any terms and conditions in this Award Letter.

In the event of any conflict between the provisions of this Award Letter and of the Award Conditions, the provisions of the Award Conditions shall take precedence. **An award of up to ₹ 1,58,19,100.00 has been provided to the Sher-e-Kashmir University of Agricultural Sciences and Technology (hereinafter referred to as 'Host Institution') for this purpose.**

The grant has been given a start date of **01 January 2019** and is intended to provide support as follows:

RING-FENCED FUNDS:

	Total (₹)
Post 1 – EARLY CAREER FELLOW	
Contribution towards Personal support for Dr Nadeem Shabir (as per August 2018 payslip)	11,14,200.00
*Reserve Funds (Refer to the clause 2.1.1.1)	4,69,800.00
CONTRIBUTION TOWARDS INSTITUTIONAL OVERHEADS	14,38,100.00
OVERSEAS ALLOWANCE	
Subsistence @$ 3000 per month for 14 months (Conversion rate 1$ = 65₹)	27,30,000.00
Travel	1,50,000.00

IndiaAlliance
DBT wellcome

Sub Total	59,02,100.00

TRANSFERABLE FUNDS:

	Total (₹)
STAFF SALARY SUPPORT	
Post-2: Other	7,20,000.00
FLEXIBLE FUNDING ALLOWANCE	2,50,000.00
TRAVEL TO MEETINGS	
Dr Nadeem Shabir	7,50,000.00
MATERIALS & CONSUMABLES	42,60,000.00
EQUIPMENT (n=8, list attached)	39,05,000.00
ACCESS CHARGES	0.00
ANIMALS (10-old old embryonated chicken eggs)	
Purchase: 100 eggs at ₹ 120 per egg	12,000.00
Procedure: Virus infection	20,000.00
MISCELLANEOUS	0.00
Sub Total	**99,17,000.00**

GRAND TOTAL (₹)	1,58,19,100.00

The following details along with the enclosed **Award Conditions**, outline the framework in which the Fellowship will operate.

1 **Terms**
2 **Costs**
  2.1 **Ring-Fenced Funds**
  2.2 **Transferable Funds**
3 **Acceptance**
4 **Payment**
5 **Reports**
  5.1 **Annual**

Mailing Address, Hyderabad
The Wellcome Trust/DBT India Alliance
8-2-684/3K/19, Kaushik Society, Road No. 12,
Banjara Hills, Hyderabad-500 034
+91 040 40189445/6/7 +91 40 4018 9449

Mailing Address, Delhi
The Wellcome Trust/DBT India Alliance
526, DLF Tower A, Jasola District Centre
Mathura Road, New Delhi-110025
+91-11 41008402 , 41008403

Regd. Office:
The Wellcome Trust/DBT India Alliance
Department of Biotechnology, C.G.O Complex,
Block 2, Lodhi Road, New Delhi-110 003

info@indiaalliance.org www.indiaalliance.org

(6)

Format: Abstract Send to

Oncogene. 2018 Feb 1;37(5):639-653. doi: 10.1038/onc.2017.371. Epub 2017 Oct 9.

DHX15 promotes prostate cancer progression by stimulating Siah2-mediated ubiquitination of androgen receptor.

Jiao Y[1,2], Moyyad MM[3], Wang B[3], Pascal LE[2], Guo W[2,3], Xu Y[2,4,5], Ai J[2], Deng FM[6], Masoodi KZ[2,7], Yu X[8,9], Zhang J[10], Nelson JB[2,11], Xia S[1], Wang Z[2,11,12]

Author information

1 Department of Urology, Shanghai General Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, PR China.
2 Department of Urology, University of Pittsburgh Cancer Institute, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA.
3 Department of Pathology, Shanghai General Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, PR China.
4 Department of Urology, The Second Xiangya Hospital of Central South University, Hunan, China.
5 The third Xiangya Hospital of Central South University, Changsha, China.
6 Department of Pathology, NYU School of Medicine, New York, NY, USA.
7 Transcriptomics Lab, Division of Plant Biotechnology, SKUAST-K, Shalimar, Srinagar, J&K, India.
8 Department of Geriatrics, Guangzhou General Hospital of Guangzhou Military Command, Guangdong Provincial Key Laboratory of Geriatric Infection and Organ Function Support, Guangzhou Key Laboratory of Geriatric Infection and Organ Function Support, Guangzhou, Guangdong, China.
9 Cancer Center, Traditional Chinese Medicine-Integrated Hospital, Southern Medical University, Guangzhou, Guangdong, China.
10 Center for Translational Medicine, Guangxi Medical University, Nanning, Guangxi, China, University of Pittsburgh Cancer Institute, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA.
11 Department of Molecular Pharmacology and Chemical Biology, University of Pittsburgh Cancer Institute, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA.
12 Department of Pathology, University of Pittsburgh Cancer Institute, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA.

Abstract

Androgen receptor (AR) activation is critical for prostate cancer (PCa) development and progression, including castration resistance. The nuclear export signal of AR (NES^{AR}) has an important role in AR intracellular trafficking and proteasome-dependent degradation. Here, we identified the RNA helicase DHX15 as a novel AR co-activator using a yeast mutagenesis screen and revealed that DHX15 regulates AR activity by modulating E3 ligase Siah2-mediated AR ubiquitination independent of its ATPase activity. DHX15 and Siah2 form a complex with AR, through NES^{AR}. DHX15 stabilized Siah2 and enhanced its E3 ubiquitin-ligase activity, resulting in AR activation. Importantly, DHX15 was upregulated in PCa specimens and its expression was correlated with Gleason scores and prostate-specific antigen recurrence. Furthermore, DHX15 immunostaining correlated with Siah2. Finally, DHX15 knockdown inhibited the growth of C4-2 prostate tumor xenografts in mice. Collectively, our data argue that DHX15 enhances AR transcriptional activity and contributes to PCa progression through Siah2.

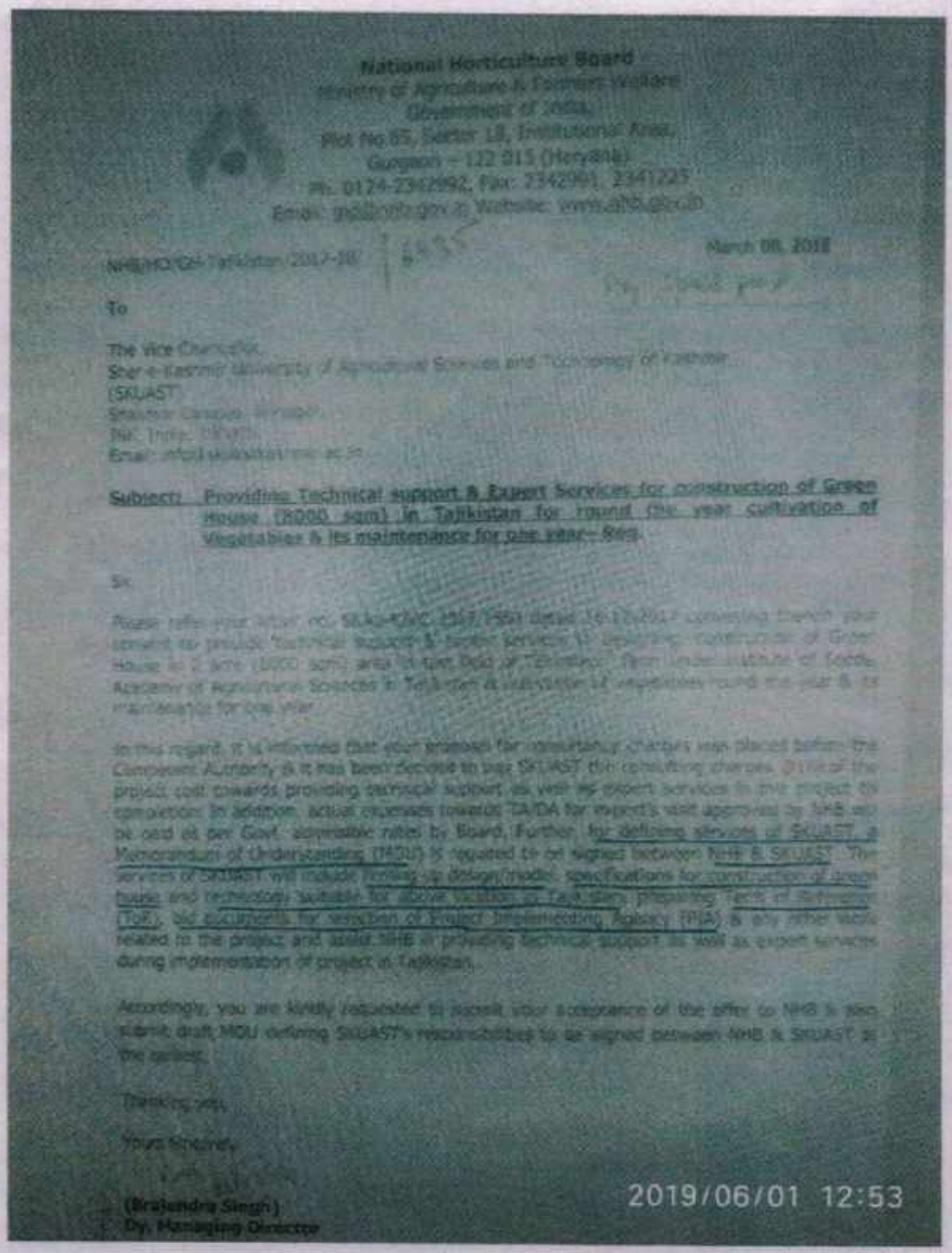
PMID: 28991234 PMCID: PMC5754523 DOI: 10.1038/onc.2017.371

[Indexed for MEDLINE] Free PMC Article

Annexure C6

List number of inter-institutional collaborative projects obtained during 2018

- Inter-Institutional collaboration with National Horticulture Board, Ministry of Agriculture and Farmers Welfare, Government of India for construction of Greenhouses at Tajikistan on 8000 sq. m. area



National Horticulture Board
Ministry of Agriculture & Farmers Welfare
Government of India
Plot No.85, Sector 18, Institutional Area,
Gurgaon – 122 015 (Haryana)
Ph. 0124-2342092, Fax: 2342091, 2341225
Email: ... Website: www.nhb.gov.in

NHB/HO/GH-Tajikistan/2017-18/ 6435 March 08, 2018

To

The Vice Chancellor,
Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir
(SKUAST)
Shalimar Campus, Srinagar
J&K (India) 190025
Email: ...

Subject: Providing Technical support & Expert Services for construction of Green House (8000 sqm) in Tajikistan for round the year cultivation of Vegetables & its maintenance for one year- Reg.

Sir,

Please refer your letter no. SKUAST-K/HC-2017/1561 dated 16.12.2017 conveying therein your consent to provide Technical support & Expert services in planning, construction of Green House in 2 acre (8000 sqm) area in the field of Tajikistan Farm Union Institute of Fodder, Academy of Agricultural Sciences in Tajikistan & cultivation of vegetables round the year & its maintenance for one year.

In this regard, it is informed that your proposal for consultancy charges was placed before the Competent Authority & it has been decided to pay SKUAST the consulting charges @1% of the project cost towards providing technical support as well as expert services in this project for construction. In addition, actual expenses towards TA/DA for expert's visit approved by NHB will be paid as per Govt. admissible rates by Board. Further, for defining services of SKUAST, a Memorandum of Understanding (MOU) is required to be signed between NHB & SKUAST. The services of SKUAST will include finding a design/model specifications for construction of green house and technology suitable for above location of Tajikistan, preparing Terms of Reference (ToR), bid documents for selection of Project Implementing Agency (PIA) & any other work related to the project and assist NHB in providing technical support as well as expert services during implementation of project in Tajikistan.

Accordingly, you are kindly requested to accept your acceptance of the offer to NHB & also submit draft MOU defining SKUAST's responsibilities to be signed between NHB & SKUAST at the earliest.

Thanking you,

Yours faithfully,

(Brajendra Singh)
Dy. Managing Director

2019/06/01 12:53

(14)

Partners for International Business (PIB)
'Dutch Hortifruit Partnership for India'

Agricultural department of the Embassy of The Netherlands in New Delhi.

Memorandum of Understanding

Between: PIB Hortifruit
and
Progressive Growers Association, Shimla,
and
SKUAST University, Srinagar, J & K
Further to be called (local) Partners.

Horticulture is an important sector where fruit production is one of the highest yielding sectors. In India basic or medium vocational education is not fully developed yet.

In order to support the development of vocational training with the help of the Dutch government and the Dutch group of entrepreneurs, a train the trainer project will be set up in conjunction with local organisations. The training will consist of four times a two week training session (one week per state) in a one year period, that way all the main problems and technical aspects can then be dealt with.

In **Kashmir**: SKUAST University will take the lead and will cooperate with leading private companies from their network.

In **Himachal Pradesh**: Progressive Growers Association – PGA will take the lead and cooperate with leading companies from their network.

Indian partners have full knowledge of the proposed training and agree to following.

- They will provide and arrange space for the theoretical lectures;
- Arrange the hands-on training space at the high density (and other) orchards;

(16)

भारत सरकार
भारत मौसम विज्ञान विभाग
मौसम भवन, लोदी रोड,
नई दिल्ली – 110 003

NO. ASC-31/FASAL BUDGET/2018

Government of India
India Meteorological Department
Mausam Bhawan, Lodi Road,
New Delhi – 110 003

Dated: 17th July, 2018

OFFICE-ORDER

Sub: Continuation of the FASAL scheme, a part of Umbrella Scheme-"Green Revolution- Krishonnati Yojana" for the period from 2017-18 to 2019-20.

Dear Sir,

It is intimated that, Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare has communicated the approval of the continuation of FASAL scheme a part of Umbrella Scheme-"Green Revolution- Krishonnati Yojana" vide O.M. F.No. 1-1 (1)/2018-CFCC-ES dated 26 June 2018 for the period from 2017-18 to 2019-20.

IMD in coordination with AMFUs has developed Agromet Models and generated multiple in-season district level crop yield forecasts (mid season F2 and pre-harvesting F3) for 14 major crops (cereals, pulses and oil seeds) during *Kharif* and *Rabi* season for different states since financial year 2010-11. Horticulture crops under CHAMAN scheme were added in 2015-16. However, it has been observed that crop yield forecast models developed for districts do not falls within acceptable limits of percentage error in many cases and depicts drastic variation in model performance among year to year crop yield forecast. There is urgent need to improve the models and yield forecast with focus on use of data from farmer's field. As, sufficient number of field experiments in the university farms have been done to generate the crop data for evaluation of crop simulation models in the past, stress may be given to collect crop data from farmer's field.

Further, state-of-the-art crop growth simulation models are in use for rice and wheat crops to generate yield forecast. These technologies have been transferred to MNCFC, DAC.&FW for operational use. It is also intimated that future work requirements have been finalized in consultation with DAC &FW.

As such, it is requested that following items of works under the FASAL scheme may be carried out:

1. Collection of data at block level from farmer's field to evaluate Agromet model (Statistical & Simulation) using Agromet indices.
2. Development and validation of Agromet Models (Statistical & Crop Simulation Model)
3. Generation of crop yield forecast for new crops viz Sorghum, Cotton, Sugarcane, Soybean, Rapeseed & Mustard, Gram using crop simulation approach.
4. Capacity building of existing and new SRFs.

Thanking you,

Yours truly
KK Singh
(K. K. Singh)
Head of Agromet

To

As per enclosed AMFUs list.

Annexure C7

Partnership with Private Sector R&D Institutions & Impacts

S.No.	Name of Private Sector/company
1.	Seven star Fruits Pvt Ltd. Jalgaon
2.	J and K Fruit and Vegetable Processing and Integrated Cold Chain Association, Lassipora Pulwama
3.	Biotech Consortium India Ltd, New Delhi.
4.	Western Sydney University , Australia
5.	H N Agri serve Pvt Ltd, Srinagar
6.	Sickle Innovations Pvt Ltd, Ahmadabad
7.	Cytozyme Laboratories, Mumbai
8.	Avurvet Ltd, Ghaziabad

Linkages:

1) ICAR
2) NDRI
3) IARI
4) IVRI
5) IIHR
6) IIIM
7) DBT
8) DST
9) JKEDI
10) NHB
11) NABARD
12) CRIDA
13) AYUSH
14) ICFRE
15) AIU
16) AIUA

महाराष्ट्र MAHARASHTRA ◑ 2017 ◑ RU 61434

मधुकर गायके
शासकिय मुद्रांक विक्रेता
शेलगाव, ता. बदनापुर
प्र. क्र. 3607007

सेवन स्टार फ्रुट प्रा. लि.
जालना वी जालना.

Sub Treasury Office
BADNAPUR
19 DEC 2017
Badnapur

THE MEMORANDUM OF UNDERSTANDING (MoU)
between
SHER-E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY (SKUAST)
and
SEVEN STAR FRUITS PRIVATE LIMITED

THIS MoU is made on this 24 day of JANUARY, 2018 between:-

Sher-e-Kashmir University of Agricultural Sciences and Technology located at Shalimar, Srinagar, Jammu and Kashmir (hereinafter called ["SKAUST-K"] which expression shall mean and include its executors, successors and permitted assigns) of the ONE PART

and

Seven Star Fruits Pvt. Ltd., a company incorporated under the Companies Act, 1956 having its registered office at 19 Raj Mahal, 84 Veer Nariman Road, Mumbai – 400 020

This MoU shall be construed in accordance with the laws of the Republic of India except its conflict of law provisions. In the event of any dispute, the Parties hereby agree and consent to submit to the exclusive jurisdiction of the courts of law at **Srinagar, J&K, India,** regardless of place of execution or place of performance.

11. Severability

If any section, sentence, clause, work or combination thereof in this MoU is judicially or administratively interpreted or construed as being in violation of any law in India, such section, sentence, clause, word or combination shall be deemed automatically modified to conform to the requirements for validity in law. If such section, sentence, clause, word or combination cannot be so modified, it shall be inoperative and the remainder of this MoU as a whole shall be unaffected.

SKAUST-K and SEVEN STAR have caused this Memorandum of Understanding to be executed by their respective authorized representatives.

For and on behalf of:
Sher-e-Kashmir University of Agricultural Sciences and Technology, Kashmir

DIRECTOR RESEARCH
S.K. University of Agri. Sc. & Tech.
Shalimar, Srinagar-191121.

By:
Name: Prof M.Y. Zargar
Title: Director Research
Date: 24-01-2018

For and on behalf of:
Seven Star Fruits Private Limited

By:
Name: ASHISH BARWALE
Title: DIRECTOR
Date: 24/01/2018

SEVEN STAR FRUITS PVT LTD MUMBAI

Signed in the presence of:
Name: Sanjay Deshmukh
Title:
Date: 24-01-2018

Signed in the presence of:
Name: Bharat Char
Title:
Date: 24-01-18

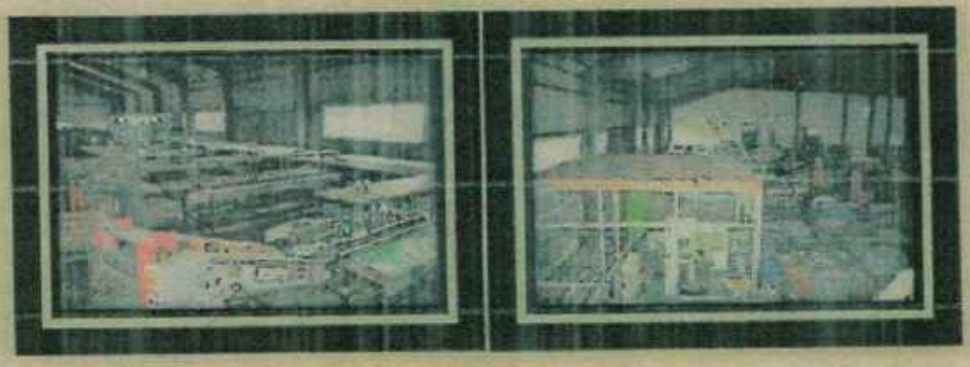
MEMORANDUM OF UNDERSTANDING (MoU)

Between

SHER-E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY OF KASHMIR (SKUAST-KASHMIR)

&

JAMMU & KASHMIR FRUIT AND VEGETABLE PROCESSING AND INTEGRATED COLD CHAIN ASSOCIATION (JKPICCA)



disclosure thereof, of all or any part of proprietary, confidential and non-public information exchanged or generated under this MoU, for any purpose other than in accordance with this MOU

10. GOVERNING LAW AND DISPUTE RESOLUTION

This MoU shall be construed in accordance with the laws of the Republic of India except its conflict of law provisions. In the event of any dispute, the parties hereby agree and consent to submit to the exclusive jurisdiction of the courts of law at Srinagar, J&K, India, regardless of place of execution or place of performance.

11. SEVERABILITY

If any section, sentence , clause , work or combination thereof in this MoU is judicially or administratively interpreted or construed as being in violation of any law in India, such section, sentence, clause, word or combination shall be deemed automatically modified to conform to the requirements for validity in law. If such section, sentence, clause, word or combination cannot be so modified, it shall be inoperative and the remainder of this MoU as a whole shall be unaffected.

SKUAST-K and KPICCA have caused this Memorandum of understanding to be executed by their respective authorized representatives.

Sher-e-Kashmir University of Agriculture Sciences and Technology, Kashmir
For and on behalf of:

By:

Name : Prof. Nazeer Ahmed
Title: Vice-chancellor
SKUAST-K, Shalimar

Date:

Signed in the presence of:

12/08/18

Name: Prof. M. Y. Zargar

Title: Director Research
SKUAST-K

Date: 12/08/18

Name: Prof. H.R. Naik
Professor & Head, Division of FST
SKUAST-K, Shalimar

Date:

KPICCA
For and on behalf of :

By:

Name: Mr. Majid Aslam Wafai
Title: JKPICCA

12/08/2018

Date:

Signed in the presence of:

Name: Mr. Faisal Burza

Title: General Secretary

Date: 12/8/2018

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

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Certificate No.	:	IN-DL31719434958804Q
Certificate Issued Date	:	29-May-2018 12:02 PM
Account Reference	:	IMPACC (IV)/ dl833403/ DELHI/ DL-DLH
Unique Doc. Reference	:	SUBIN-DLDL83340367321562909214Q
Purchased by	:	BIOTECH CONSORTIUM INDIA LIMITED
Description of Document	:	Article 5 General Agreement
Property Description	:	Not Applicable
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	BIOTECH CONSORTIUM INDIA LIMITED
Second Party	:	Not Applicable
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Stamp Duty Amount(Rs.)	:	100 (One Hundred only)

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MEMORANDUM OF AGREEMENT (MoA)

This Memorandum of Agreement (MoA) is made on this 6th day of June 2018

BY AND BETWEEN

Biotech Consortium India Ltd., New Delhi, a company registered under the Companies Act, 2013 having its Registered Office at Anuvrat Bhawan, 5th Floor, 210, Deen Dayal Upadhyaya Marg, New Delhi – 110 002 (hereinafter referred to 'BCIL' which expression shall include its successors-in-interest, liquidators, administrators and assigns) of the one part;

IN WITNESS WHEREOF BCIL and ***SKUAST-K*** have executed these presents the day and year first above written

For and on behalf of the BCIL

Dr. Purnima Sharma
Managing Director

Dr. PURNIMA SHARMA
Managing Director
Biotech Consortium India Limited
5th Floor, Anuvrat Bhawan
210, Deen Dayal Upadhyaya Marg
New Delhi-110 002

Witness

Name: Sucheta Narkan
Designation: AGM, BCIL
Date: June 6, 2018

Name: Yogmaya Verma
Designation: DM, BCIL
Date: June 6, 2018

For and on behalf of *SKUAST-K*

Dr. Nazeer Ahmad
Vice Chancellor
SKUAST-K

Witness

Name: ***Dr. M. Y Zargar***
Designation: ***Director Research, SKUAST-K***
Date: .....

Name: ***Dr. Nazir Ahmad Ganai***
Designation: ***Director, Planning and Monitoring, SKUAST-K***
Date: .....

WESTERN SYDNEY
UNIVERSITY

MEMORANDUM OF UNDERSTANDING

BETWEEN

WESTERN SYDNEY UNIVERSITY, AUSTRALIA
ABN 53 014 069 881

AND

SHER-E-KASHMIR UNIVERSITY OF
AGRICULTURAL SCIENCES AND TECHNOLOGY
OF KASHMIR, INDIA

Western Sydney University (WSU), formerly the University of Western Sydney, is an Australian multi-campus university in the Greater Western region of Sydney. It is a provider of undergraduate, postgraduate and higher research degrees with campuses in Bankstown, Campbelltown, Hawkesbury, Lithgow, Parramatta, and Penrith. It is currently ranked in the top 500 in the world in the 2019 QS World University Rankings and 25th in Australia in 2019. The university in its current form was founded in 1989 under the terms of the University of Western Sydney Act, 1988, which created a federated network university with an amalgamation between the Nepean College of Advanced Education and the Hawkesbury Agricultural College. The Macarthur Institute of Higher Education was incorporated in the university in 1989, and in 2001 the University of Western Sydney was restructured as a single multi-campus university rather than as a federation as a body corporate constituted under the Western Sydney University Act 1997. In 2015, the university underwent a rebranding which resulted in a change in name from the University of Western Sydney to Western Sydney University.

Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUAST-K) stands for "Quality of Life of People" through food, nutritional and economic security; food safety & clean environment; natural resource conservation for sustainable agriculture. Its endevour is to build a knowledge based bio-economy in J&K, through comprehensive and integrated development of agriculture and all allied sectors, to provide a sustainable solution to the fragile economy of the state. For the purpose it has a huge multi-campus infrastructure with seven (07) College, 13 KVKs and 20 Research Stations. It imparts education in different branches of study in agriculture, horticulture, veterinary and animal sciences, forestry, fisheries, agricultural engineering, food science, environmental sciences, sericulture and other allied sciences. The University was established in the year 1982 through

SIGNATURES

This Memorandum of Understanding is dated 27-11- 2018.

SIGNED for and on behalf of the **WESTERN SYDNEY UNIVERSITY ABN 53 014 069 881** by its authorised delegate:

Professor Barney Glover

Vice-Chancellor and President
WESTERN SYDNEY UNIVERSITY ABN
53 014 069 881

SIGNED for and on behalf of the **SHER-E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY OF KASHMIR** by its duly authorised officer or delegate:

27/11/18

Prof. Nazeer Ahmed

Vice-Chancellor
Sher-e-Kashmir University of Agricultural
Sciences and Technology of Kashmir

MOU between SKUAST-K and H. N. Agri Serve (P) Ltd.

Background

The Sate of J&K has a large area under fruit cultivation and is known as the temperate Fruit Bowl of India. However the productivity of most of the fruit crops is not encouraging and a lot needs to improve upon the productivity to make this important sector profitable for the stake holders. In this endeavor, H. N. Agri Serve (P) Ltd. and SKUAST-K have made significant contributions in the production and post-harvest value chain in apple and other temperate fruit crops. H. N. Agri Serve has from day one realized that to meet significant use in this sector, pre-harvest holding the key position is to be taken utmost care. In this direction, H. N. Agri Serve (P) Ltd has the honour to have became the first private enterprise empanelled by the J&K State Government to undertake the flagship Apple High Density Programme in the J&K State to take to the farmers the best technology. H. N. Agri Serve (P) Ltd has partnered with some of the leading Horticultural Organizations of the world. To further help our growers. N. Agri Serve (P) Ltd has established a Soil Testing Laboratory, which is the first of its kind in the private sector in the J & K State.

In view of above and to further improve skills and ensure proper monitoring and timely update in an concerted manner, a need was felt to have an MoU between the leading Agriculture University of the J & K state (SKUAST-K) and H. N. Agri Serve (P) Ltd the structure and shape of which shall be as under:-

Memorandum of Understanding

This **Memorandum of Understanding** (hereinafter referred to as **MoU**) is made on this 9th day of the month of June in the year **2018** by and between **H. N. Agri Serve (P) Ltd.** having its Head Office at Lassipora, Pulwama [hereinafter called **First Party** on the one part) and the Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir having its headquarters at Shalimar Srinagar Kashmir [hereinafter called **Second Party** on the OTHER PART), (who for the purpose of this MoU are hereinafter collectively referred to as the Parties).

The Parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into collaboration for promotion of research in cutting edge areas in accordance with the provisions contained in the Guidelines.

7.4. No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modifications/changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

7.5. For all legal matters the jurisdiction of this agreement shall be at Srinagar

This MoU has been executed in two originals, one of which has been retained by the First Party and the other by the Second Party).

IN WITNESS WHEREOF, the parties have executed this MoU and represent that they agree, accept and approve the terms contained herein above.

Name of the Vice Chancellor/Head of
Institution of the **First Party**
Date

For
SKUAST – K

09/06/2018

Signature with Seal

Name of the Director/Head
Institution of the **Second Party**
Date

H. N. Agri Serve (P) Ltd.

09/06/18

Signature with Seal

Witness – I

Witness – II

9/6/18

Memorandum of Understanding between

Sher-e-Kashmir University of Agricultural Sciences &
Technology of Kashmir

And

Sickle Innovations Private Limited, CIIE building,
IIM Ahmedabad, Vastrapur, Ahmedabad-Gujarat

IN WITNESS WHEREOF the parties hereto have caused these presents to be executed in duplicate by their respective duly authorized officers.

SIGNED BY

For and on behalf of

Sickle Innovations Private Limited

The FIRST PARTY

Signature _____

Name: Nitin Gupta

Designation: Director

For, Sickle Innovations Pvt Ltd

Director

Seal:

Witnesses: (Name and address)

1. MALIK KUMAR MEENA SICKLE INNOVATIONS

2. Ramnath Chandra Gupta Ahmedabad Sankarapur

Date:

SIGNED BY

For and on behalf of

Sher-e-Kashmir University of Agricultural Science and Technology of Kashmir, Srinagar, Kashmir

The SECOND PARTY

Signature _____

Name: Prof. M. Y. Zargar

Designation: Director Research

DIRECTOR RESEARCH
S.K. University of Agri. Sc. & Tech.
Shalimar, Srinagar-191121.

Seal:

Witnesses: (Name and address)

1. (Dr M. Saleem Mir) Associate Director Research SKUAST-Kashmir Srinagar.

Dr. Ashraf A Cara Wa
Associate Prof.
I/c RCPSA SKUAST-K
Shalimar Srr.

MEMORANDUM OF UNDERSTANDING

BETWEEN

SHER-E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY OF KASHMIR

AND

CYTOZYME LABORATORIES, Inc.

SKAUST-Kand Cytozyme have caused this Memorandum of Understanding to be executed by their respective authorized representatives.

For and on behalf of:
Sher-e-Kashmir University of Agricultural and Technology, Kashmir

By:
Name: Dr. M.Y. Zargar
Title: Director Research
Date: 12/03/2018

Signed in the presence of:
Name: Dr F.A. Zaki
Title: Dean, faculty of Horticulture
Date: 12/03/2018

For and on behalf of:
CytozymeLab.Inc.

By:
Name: R.K. Gupta
Title: Business Director Cytozyme
Date: 12/3/18

Signed in the presence of:
Name: ANIL PANDU
Title: Business Manager
Date: 12.03.2018

1.1 **THE MEMORANDUM OF UNDERSTANDING:**

The memorandum of understanding is made on 27th November, 2018 between **AYURVET LIMITED**, one of India's leading animal care companies specializing in natural & safe herbal products, duly incorporated under the Companies Act, 1956 and having its registered office at 4th Floor, Sagar Plaza, District Centre, Laxmi Nagar, Vikas Marg, Delhi-92 (hereinafter called the **First Party** which expression shall, unless repugnant to the context of meaning thereof, include its successors, nominees and assigns) on the part;

AND

SHER-E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY OF KASHMIR (SKUAST-KASHMIR) having its headquarter at Shalimar Srinagar with the assigned jurisdiction of whole of the Kashmir Division including Ladakh and established under Sher-e-Kashmir University of Agricultural Sciences and Technology Act, 1982 (hereinafter referred to as **SKUAST-Kashmir**) and called the **Second Party** which expression shall, unless repugnant to the context or meaning thereof, include its successors, nominees and assigns) on the other part. SKUAST-K has a huge multi-campus infrastructure with seven (07) College, 13 KVKs and 20 Research Stations. It imparts education in different branches of study in agriculture, horticulture, veterinary and animal sciences, forestry, fisheries, agricultural engineering, food science, environmental sciences, sericulture and other allied sciences

1.2 **PREAMBLE:**

1.2.1 WHEREAS the First Party is engaged in research and development, manufacturing, sales and marketing of herbal medicines, cattle and /or poultry feed etc. It is also involved in cultivation of medicinal plants, hydroponic machine and promotion of waste to wealth management (Biogas, vermicompost etc.).

1.2.2 WHEREAS the First Party is now looking for cooperation from other likeminded Companies/ Institutions/ Organizations/ Universities etc. working towards similar objectives. The key area of intervention would be research and development for improving animal health, extension services for providing farms solutions to the farmers, resources/ people development, new technological intervention/ research in the area of feed-fodder, animal nutrition, cultivation of medicinal plants etc and extension activities for the benefit of farmers.

For AYURVET LIMITED

(MOHAN JI SAXENA)
Managing Director

1.6 That any dispute arising out of this M.O.U. shall be settled mutually by both the parties under J&K Arbitration and Conciliation Act by referring the same to the sole Arbitrator. Hon'ble Vice Chancellor SKUAST-Kashmir shall be the sole Arbitrator whose decision shall be final and binding. The Courts at Kashmir shall have the jurisdiction in case of any dispute.

FIRST PARTY	SECOND PARTY
AYURVET LTD. for AYURVET LIMITED (MOHAN JI SAXENA) 27.11.2018 Managing Director **MOHAN JI SAXENA** **MANAGING DIRECTOR** Ayurvet Ltd.	**SKUAST-KASHMIR** 27/11/2018 **PROF. NAZEER AHMAD** **VICE CHANCELLOR** Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST-K)

WITNESSES

1. (A-C-Varshney)
2. (Anil Jamwal)

WITNESSES

1. 27-11-2018
Dr. NAZIR A GANAI
2. 27.11.2018
Prof. D. M. Makhdoomi

	Name of Startup/ Enterprise	Name of the Entrepreneur involved	
ATIC			
1.	Bee keeping	MuzamilZahoor	
2.	Bee keeping	Kulsuma Akhter	
3.	Bee keeping	Mehnaz	
4.	Bee keeping	TabasumShowket	
5.	Bee keeping	NahidaMajeed	
6.	Bee keeping	Sabreena	
7.	Bee keeping	Subeena Ali	
8.	Bee keeping	Masrat Jan	
9.	Bee keeping	Kulsoma Ahmad	
10.	Bee keeping	Kouser Fatima	
11.	Bee keeping	FirdousaBano	
12.	Bee keeping	Sheeraza Ali	
13.	Bee keeping	SaiyadaYousuf	
14.	Bee keeping	Kounsar Bashir	
15.	Bee keeping	HaseebaShafi	
16.	Bee keeping	Nazia Ali	
17.	Bee keeping	RomaisaSarwar	
18.	Bee keeping	Yasmeen Tufail	
19.	Bee keeping	MehmoodaQadir	
20.	Bee keeping	SuraiyaQadir	
21.	Bee keeping/Mushroom cultivation	TabasumMajeed	
22.	Bee keeping/Mushroom cultivation	NahidaMajeed	
23.	Bee keeping	Mehnaz	
24.	Bee keeping	Mumtaz Ahmed Malik	
25.	Bee keeping/Mushroom cultivation	Subeena Ali	
26.	Bee keeping	MohdMaqboolBhat	
27.	Bee keeping/ Mushroom cultivation	Masrat Jan	
28.	Bee keeping	MohdShafi Dar	
29.	Bee keeping	Asif Ahmed Khan	
30.	Bee keeping	Javaidahmed	
31.	Bee keeping	Firdous Ahmed	
32.	Mushroom Cultivation	Shaziagulmalik	
33.	Mushroom Cultivation	Sakeenagulmalik	
34.	Mushroom Cultivation	Bilqeesamajid	
35.	Mushroom Cultivation	Najmusakib	
36.	Mushroom Cultivation	Toiebafayaz	
37.	Mushroom Cultivation	Nazabano	
38.	Mushroom Cultivation	Maleehayousuf	
39.	Mushroom Cultivation	Saima Bashir	
40.	Mushroom Cultivation	Heena	
41.	Mushroom Cultivation	Muneerabano	
42.	Mushroom Cultivation	Qulsumakhter	
43.	Mushroom Cultivation	Jawahiraakhter	
44.	Mushroom Cultivation	Subinasidiq	
45.	Mushroom Cultivation	Shakeelaakhter	

46.	Mushroom Cultivation	Soliahnazir	
47.	Mushroom Cultivation	Aniqah	
48.	Mushroom Cultivation	Mubeenabano	
49.	Mushroom Cultivation	Raveesamustafa	
50.	Mushroom Cultivation	Muzamilqasim	
51.	Mushroom Cultivation	Meemaakhter	
52.	Mushroom Cultivation	Mysinahmedwani	
53.	Mushroom Cultivation	Mohdamin	
54.	Fashion Designing	MrsGowharwani	
55.	Fashion Designing	Miss Sana	
56.	Aromatic Plants	MrsRubeenaTabassum	
57.	Biofertilizer Production Unit	Mohd Imran Khan	
KVKs			
Budgam	Vermicompost production	Mir Athar Khan	
	Vermicompost production	ShaguftaMehmood	
Nyoma	Medicinal Plant Grower	SkarmaZangpo s/o ShStanbaAngdu, Vill–Mudh	
	Integrated Farming System	DeachanChosdon w/o Sh. SonamDorjay, Vill- Nyoma	
	Organic Grower	TseringChuskit, VillNyoma	
	Vermi-compost	StanzinThinles s/o Sh. SonamJonba. Vill-Liktse	
	Vermi-compost	TundupDorjay, Vill-Liktse	
Shopian	Soil Testing Lab	Mr. Ubaidullah Khan &Miss NajmaMuzaffar	

Annexure C9

Number of Enterprises/startups promoted by the University (provide information as Name of Startup/ Enterprise, Name of the Entrepreneur involved)

ENTREPRENEURSHIP DEVELOPMENT IN ORGANIC/BIOLOGICAL INPUTS UNDER THE TECHNICAL GUIDANCE

OF

SHER-E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY OF KASHMIR

DETAILS OF ENTERPRISES

Entrepreneur NO.1

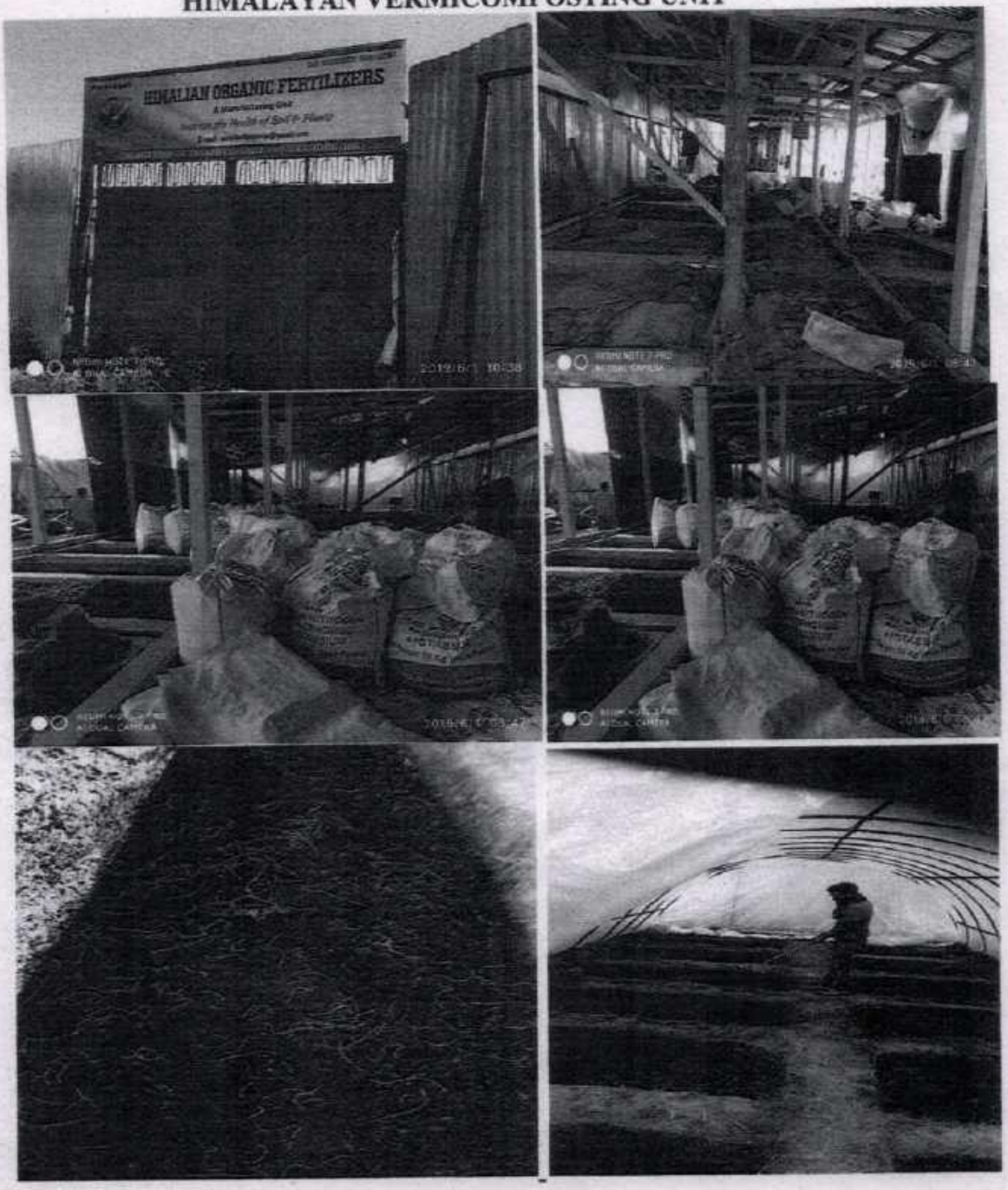
A. Contact Details:

- Name of Entrepreneur : **Mir Athar Hussain**
- Qualification : M.BA
- R/O : Chari-shareef
- District : Budgam
- Ph.no : 6006102636
- Email ID : miratherhussain@gmail.com

B. Enterprise Details

- Type of Enterprise : **Vermicomposting**
- Trade name : Himalayan Vermicompost
- Registration status : (J&K Govt. Registered)
- Year of establishment : 2017
- Annual production capacity : 1000 quintals
- Employment provided to No. of persons : 05
- Technical guidance provided by : Dr. Zahoor Ahmad Baba SKUAST-K

HIMALAYAN VERMICOMPOSTING UNIT



Entrepreneur NO.2

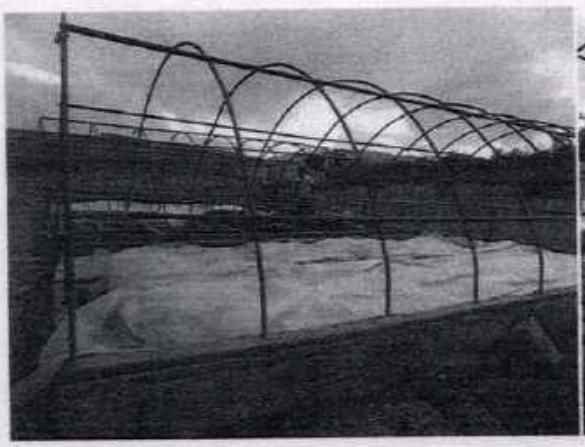
A. Contact Details:

- Name of Entrepreneur : **Shagufta Mehmood**
- **W/O** : Tariq Ahmad Wani
- Qualification : B.A (B.Ed.)
- R/O : Sheerpora
- District : Baramulla
- Ph.no : 9596472756
- Email ID :

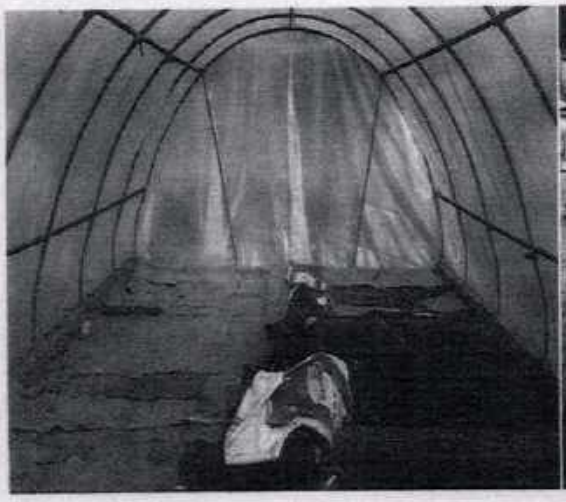
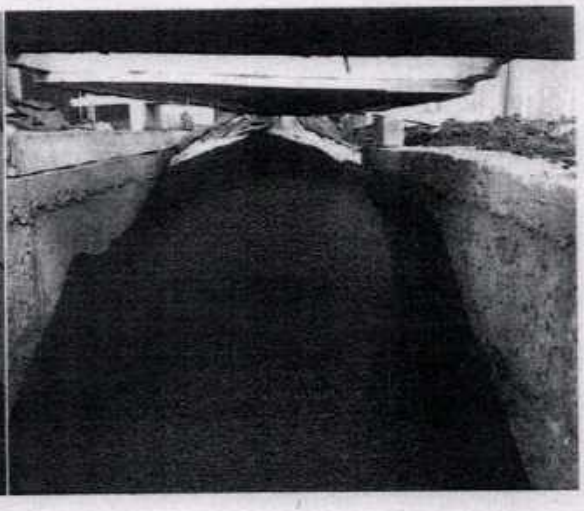
B. Enterprise Details

- Type of Enterprise : **Vermicomposting**
- Trade name : Super vermicompost
- Registration status : Under process
- Year of establishment : 2016
- Annual production capacity : 600 quintals
- Employment provided to No. of persons : 02
- Technical guidance provided by : Dr. Zahoor Ahmad Baba SKUAST-K

ACTIVITIES AT SUPER VERMICOMPOSTING UNIT





Entrepreneur NO.3

A. Contact Details:

- Name of Entrepreneur : **Mohammad Imran Khan**
- Qualification : M.Sc. (Biotechnology)
- R/O : Delina Baramulla
- District : Baramulla
- Ph.no : **9682135893**
- Email ID : imranlatiefkhn@gmail.com

B. Enterprise Details

- Type of Enterprise : **Biofertilizer Production Unit**
- Year of establishment : Final stage of process
- Annual production capacity : 10000 litres
- Types of Bioagents to be produced : Azotobacter, Rhizobium, Phosphate solubilizing bacteria, Potassium solubilizing bacteria, Zinc solubilizing bacteria, Trichoderma etc.
- Employment to be provided to No. of persons : 10
- Technical guidance provided by : Dr. Zahoor Ahmad Baba SKUAST-K

Entrepreneur NO.4:
Establishment of Vermicomposting Unit at Govt.Boys Degree College Baramulla

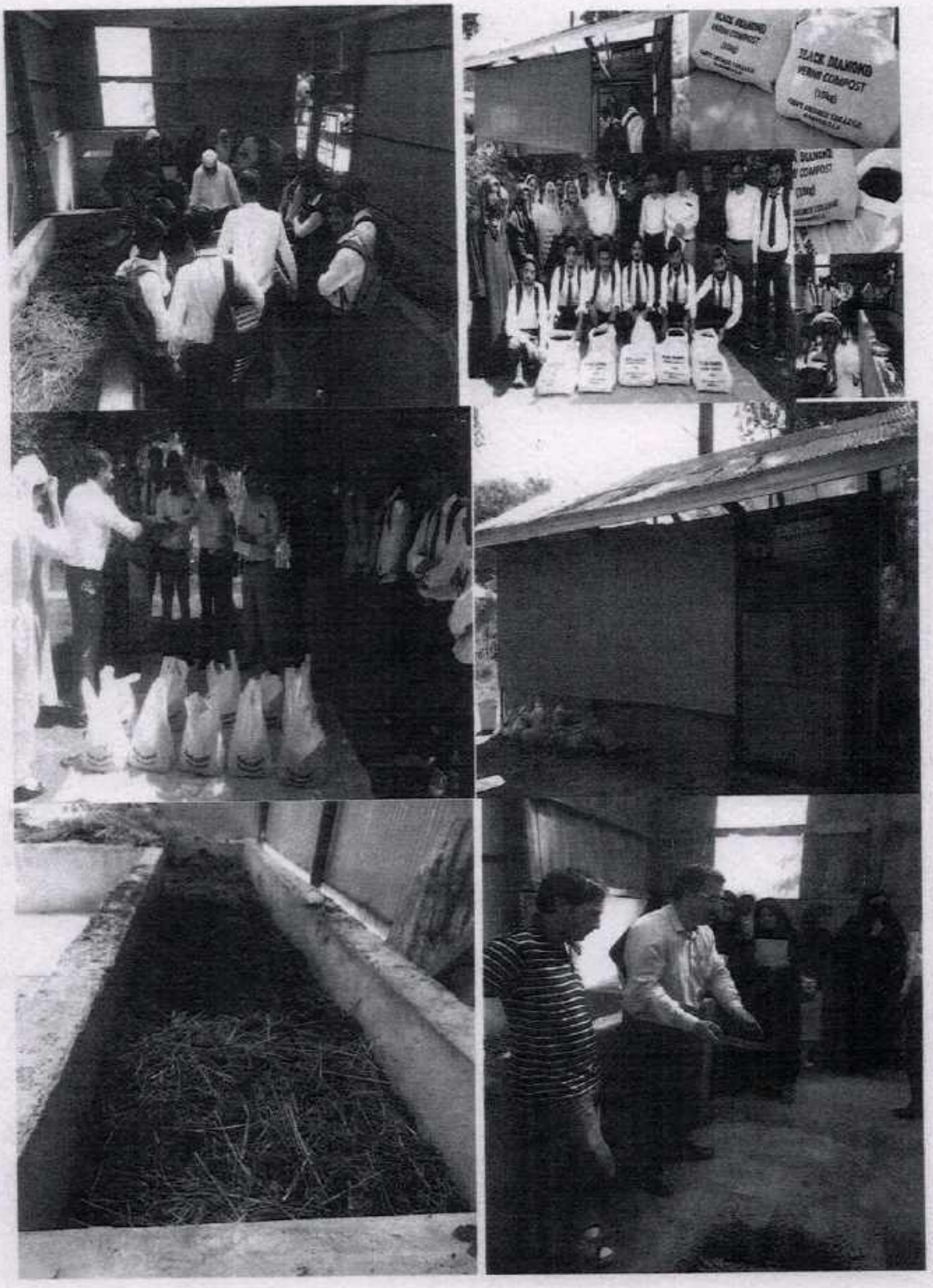
A. Contact Details:

○ Name of incharge of Unit	:	**Prof.A.R.Malik** (HOD Botany) and **Prof.Ab.Majid Chalkoo**
○ Location	:	Govt. Gegree College Boys Baramulla
○ District	:	Baramulla
○ Ph.no	:	**9797851323/8082461214**
○ Email ID	:	amchalkoo@gmail.com

B. Enterprise Details

• Type of Enterprise	:	**Vermicomposting**
• Year of establishment	:	2018
• Annual production capacity	:	100 quitals
• No. of students trained per year	:	100
• Technical guidance provided by	:	Dr. Zahoor Ahmad Baba SKUAST-K

GOVT.DEGREE COLLEGE BARAMULLA HARVESTING ITS FIRST CROP OF VERMICOMPOST



TECHNICAL GUIDANCE PROVODED TO OTHER SMALL UNITS = 20

S.No.	Name of the unit holder	Address	Contact No.
1.	Gh.Mohi-ud-Din Bhat S/O:Ali Mohd.Bhat	Takia Batapora, kunzer Tangmarg	6005060804
2.	Mohd.Sultan Beigh S/O:Mohd.Ramzan Beigh	Takia Batapora, kunzer Tangmarg	9596428984
3.	Ali Mohammad Zargar S/O:Gh.Nabi Zargar	Druroo,Tangmarg	979777362
4.	Mohammad Ramzan Rather S/O:Kabeer Rather	Sheerpora,Pattan	9797144532
5.	Ab. Hameed Rather S/O:Kabeer Rather	Sheerpora,Pattan	9797144532
6.	Syed Mudasir Ahmad S/O:Late Syed Hussain	Goom Ahmedpora,Magam	8010333777
7.	Mohammad Ismail Mir	Urcharsoo,Pulwama	7889863697
8.	Gh.Nabi Bhat	Urcharsoo,Pulwama	7889863697
9.	Bashir Ahmad Yatoo	Uglar,Khoi,Pattan	-------
10.	Nazer Ahmad Naykoo	Kralpora,Handwara	--------
11.	Irshad Hussain Malla	Sonim Pattan	.....
12.	Agriculture Zone Rohama	Dr.Amarjit Singh SDAO,Rohama	9858072205

Zahoor Ahmad Baba
Assistant Professor (Soil Science)
FOA,Wadura

Annexure-C10

Number of students employed in public/private/banking sectors during 2018

S. No.	Name of students	Sector where employed
1.	AbidShowkat	J&K Agriculture Department
2.	Ajaz Ahmad Kundoo	SKUAST-K Research project
3.	Raashida	J&K School Education Department
4.	Shahid Bashir Dar	Public
5.	Sheeraz Ahmad Wani	Public
6.	Hafizullah	Public
7.	Abrar Ahmad Khan	Public
8.	YasirAltaf	Assistant Technical Specialist, RMSI
9.	ShowkatRasool	Scientist-B, CSRI
10.	Nasir UlRaheed	Scientist-A, CSRI
11.	SuhilaMehraj	Foreman, Agriculture production Dept.(GOJK)
12.	Bintul Huda	Consultant, Sheikh-ul-chair,NIT-Srinagar
13.	Basharat Bashir	FCLA, SKUAST-K
14.	Samir Kawoosa	Teacher,Education Dept.(GOJK)
15.	ZikraRehman	Teacher,Education Dept.(GOJK)
16.	MehzanQunaine	Teacher,Education Dept.(GOJK)
17.	AsimaJillani	Senior Research Fellow, ICAR-NICRA
18.	NayeemRawat	Soil & Water expert,IWMP,Dept. of Rural Development
19.	Mr. AltafGanai	KAS
20.	Mr. Lateef Ahmad	KAS
21.	Dr Nasir Rashid Wani	Finance Dept.
22.	DrShazmeenShafiQasba	Finance Dept.
23.	Dr. SherJaved	Finance Dept.
24.	DrNaseer Ahmad Mir	Finance Dept.
25.	Mr. ShafatHussain Sheikh (Ph.D scholar of FoFy)	Fisheries Development Assistant (FDA), J&K Fisheries Department
26.	Mr. WasimAkram (MFSc student)	Fisheries Development Assistant (FDA), J&K Fisheries Department
27.	Miss Qurat-ul-Ain	JRF, Molecular Characterization and Cell culture based isolation of Finfish & Shell fish Viruses, FoFy

28.	Mr. Suhaib-ul-haq Khan	JRF, Molecular Characterization and Cell culture based isolation of Finfish & Shell fish Viruses, FoFy
29.	Mr. Javaid Ahmad	SRF, National Surveillance Programme for aquatic Animal Disease, FoFy
30.	Miss SumiaNazir	SRF, National Surveillance Programme for aquatic Animal Disease, FoFy
31.	Mr. Sheikh ImtiyazQayoom	Contractual Lecturer, FoFy
32.	Mr. Faisal Rashid	Contractual Lecturer, FoFy
33.	Mr. Shabir A. Dar	Contractual Lecturer, FoFy
34.	Mr. Ishfaq Agha	Contractual Lecturer, FoFy
35.	Miss Sabina A. Darve	Contractual Lecturer, FoFy
36.	Miss Kawkabul Saba	Contractual Lecturer, FoFy
37.	Miss AsifaWali	Contractual Lecturer, FoFy
38.	SehreenRasool	Sericulture Development Department, Govt. of J&K
39.	SaimaKhursheed	Sericulture Development Department, Govt. of J&K
40.	MehvishShafi	Department of Floriculture, Govt. of J&K
41.	Mubashir Ahmad	Department of Animal Husbandry, Govt. of J&K
42.	Nayeema Jan	School Education Department, Govt. of J&K
43.	AafaqShair	Higher Education Department, Govt. of J&K (Contractual)
44.	Waseem Afzal	Higher Education Department, Govt. of J&K (Contractual)
45.	Imran Bashir	Junior Agriculture Extension Officer (JAEO) Baramulla
46.	Kamran Ahmad	JAEO,Kupwara
47.	Zahoor Ahmad	JAEO, Kupwara
48.	AbidShowket	JAEO, Anantnag
49.	Masrat-Ul-Nisar	JAEO, Anantnag
50.	Hafizullah	JAEO, Pulwama
51.	Sheraaz Ah Wani	JAEO, Budgam
52.	AdilYousufWani	JAEO, Anantnag
53.	Nadeem Ahmad Dar	JAEO, Baramullah
54.	VaeemShafi	JAEO, Baramullah
55.	QuratulAin	JAEO, Srinagar
56.	MohdRafia Dar	JAEO, Budgam
57.	Ajaz Ahmad Sheikh	JAEO, Anantnag

58.	Khalid Rehman	JAEO, Budgam
59.	JavariaJeelani	JAEO, Srinagar
60.	Syed TawseefWani	JAEO, Pulwama
61.	MohdRafeeq	JAEO, Budgam
62.	Syed Tazkiya	JAEO, Anantnag
63.	Noor ul Islam	JAEO, Pulwama
64.	ZakirKhursheed	JAEO, Kulgam
65.	Sajad Ahmad Rather	JAEO, Ganderbal
66.	MohdWaseemAlie	JAEO, Kulgam
67.	Barjees John	JAEO, Ganderbal
68.	MudasirShafi	JAEO, Budgam
69.	MasaratMaqbool	JAEO, Ganderbal
70.	NazishAltaf	JAEO, Poonch
71.	Varsha Bharti	JAEO, Reasi
72.	Mudasir Hassan	JAEO, Kupwara
73.	Zahoor Ahmad Bhat	JAEO, Budgam
74.	Mudasir Ahmad Bhat	JAEO, Ganderbal
75.	Naveed Shams	JAEO, Kupwara
76.	Hilal Ahmad Bhat	JAEO, Budgam
77.	Nisar Ahmad Dar	JAEO, Kulgam
78.	Ajaz Ahmad Mir	JAEO, Shopian
79.	ShowketYousuf	JAEO, Budgam
80.	Fyaz Ahmad	JAEO, Budgam
81.	Kunzeng Dolma	JAEO, Ladakh
82.	Shahida Ibrahim	JAEO, Poonch
83.	Sagir Ahmad	JAEO, Rajouri
84.	Anwar Hussain	JAEO, Kargil
85.	Rayees Ahmad	JAEO, Anantnag
86.	Dr. Sajad Ahmad Dar	Poultry Consultant, Karnal Haryana
87.	Dr. Malik Hussain	Poultry Consultant, Karnal Haryana
88.	Dr. Fayaz Ahmad Sheikh	Nutritionist , Karnal Haryana
89.	Dr. Irshad Ahmad	Poultry Consultant, Karnal Haryana
90.	Dr. AshiqGanai	Poultry Consultant, Karnal Haryana
91.	Dr. Mukhtar Ahmed	Poultry Consultant, Karnal Haryana
92.	Dr. Imran	Dairy Farm Consultant, Ludhiana
93.	Dr. IrfanDaraz	Dairy Farm Consultant, Ludhiana

94.	Dr. SuhailNabi	Feed Consultant, Gurgaon
95.	Dr. Shoiab	SDS College of Vety. Science Tohana Haryana
96.	Dr. Manzoor Ahmad Dar	SDS College of Vety. Science Tohana Haryana
97.	Dr. Adil	JantaVety. College Bhutana
98.	Dr. MadeehaUntoo	LPM
99.	Dr. parveiz Ahmad	LPM
100.	Dr. Heenna Jalal	LPT
101.	Dr. AsmaIrshad	LPT
102.	Dr. Najmanna	VPHE
103.	Dr. ShabuShowkat	VPHE
104.	Dr. IrfanShakil	Asstt. Handicrafts Dev. Officer
105.	Dr. AshaqManzoor	Asstt. Conservator of Forests
106.	Dr. Abdul Rahim	Qualified ARS appointed scientists in ICAR

41 Agri. Students.

JAFO

S NO	Name	Parentage	Residence
1.	Imran Bashir	Bashir Ahmad	Baramullah.
2	Humayun Ahmad	Inayatulla Khan	Kulgam
3	Fahroz Ahmad	Gh. Mustafa	Kulgam
4.	Abid Showkat	Showkat Ali Khan	Anantnag
5	Masrat-ul-Nisar	NISAR Ah. Parray	Anantnag
6	Hafizullah	Mohd. Shafi	Pulwama
7	Shazia Ah. Wani	Gh. Mohd. Wani	Budgam.
8	Adil Yousuf Wani	Mohd Yousuf Wani	Anantnag
9.	Nadeem Ah Dar	Nazir Ah.	Baramullah
10.	Naeem Shafi	Mohd Shafi	Baramullah
11	Qurratulain	Mohd. Latif	Srinagar
12.	Mohd Rafiq Dar	Gh. Moh-ud-din	Budgam.
13.	Ajaz Ah Sheikh	Mohd. Abdullah	Anantnag.
14.	Khalid Rehman	Abdul Rehman	Budgam.
15.	Javaira Jeelani	Gh. Jeelani	Srinagar
16.	Syed Tawseef Ahmad	Ali Mohd Shah	Pulwama.
17.	Mohd Rafeeq	Ali Mohd Parray	Budgam.
18.	Syed Tazkiya	Syed Manzoor	Anantnag.
19.	Noorul-Islam	Gh. Nabi Wani	Pulwama.
20.	Zahid Khurshid	Khurshid Ah.	Kulgam.
21	Sajad Ah Parray	Mohd Ismail	Ganderbal.
22.	Mohd Waseem Alie	Mohd Yousuf	Kulgam.
23	Brijees John	Mohd. Shafi	Ganderbal.
24.	Mudasir Shafi	Mohd Shafi Dar	Budgam
25	Nasrat Maqbool	Mohd Maqbool Bhat	Ganderbal
26	~~Altaf Hussain~~ Nazish Altaf	Altaf Hussain	Poonch
27	Varsha Bhasti	Bansi Lal	Reasi
28	Mudasir Hassan	Gh. Hassan	Kulgam
29	Zahoor Ah. Bhat	Mohd Shaban	Budgam
30	Mudasir Ah Bhat	Mohd Yousuf	Ganderbal
31	Naveed Ahmad	Mohd Shams	Kulgam

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32	Hilal Ah Bhat	Lt. Mohd	
33	Nisar Ah. Dar	Mohd. Ismail	
34	Aijaz Ah. Mir	Mohd. Farooq	
35	~~Mohd. Yousuf~~		
35	Showkat Yousuf	Mohd Yousuf	
36	Fayaz Ah.	Mohd. Shaban	
37	Kunzang Dolma	Tsering Angchok	
38	Shahida Ibrahim	Mohd. Ibrahim	
39	Sajad Ah.	Munaer Hussain	
40	Anwar Hussain	Sh. Nisar	
41	Rafeeq Ah	Gull Mohd	

PLACEMENT OF VETY GRADUATES AND PGs IN PRIVATE COMPANIES

	Name	Degree from SKUAST-K	Position held	Place	Company
1.	Dr Sajad Ahmad Dar	BVSc &AH	Poultry Consultant	Karnal, Haryana	Venkys
2.	Dr Malik Hussain	BVSc & AH	Poultry Consultant	Karnal, Haryana	Venkys
3.	Dr Fayaz Ahmed Shiekh	BVSc & AH, Ph. D	Nutritionist	Karnal, Haryana	Venkys
4.	Dr Irshad Ahmed	BVSc & AH	Poultry Consultant	Karnal, Haryana	Venkys
5.	Dr Ashiq Ganaie	BVSc & AH	Poultry Consultant		Rosarry
6.	Dr Mukhtar Ahmed	BVSc & AH	Poultry Consultant		Venkys
7.	Dr Imran	BVSc & AH	Dairy farm Consultant	Ludhiana	Micro Dairy
8.	Dr Irfan Daraz	MVSc Nutrition	Dairy farm Consultant	Ludhiana	Micro Dairy
9.	Dr Suhail Nabi Sumji	MVSc Microbiology	Feed Consultant	Gurgaon	Amrit Feeds

PLACEMENT OF VETY PGs AS PRIVATE VETERINARY COLLEGE TEACHERS

	Name	Subject	Pvt Veterinary College where engaged
1.	Dr Shoiab	Medicine	SDS College of Veterinary Science Tohana Haryana
2.	Dr Manzoor Ah Dar	Surgery	
3.	Dr Adil	Pharmacology	Janta Veterinary College Bhutana

PLACEMENT OF VETY PGs AS JRFs/SRFs in externally funded projects

	Name	Division	Project

PLACEMENT OF VETY PGs AS CONTRACTUAL LECTURERS in SKUAST-K

	Name	Division where engaged
1.	Dr Madeeha Untoo	LPM
2.	Dr Parveiz Ah Dar	LPM
3	Dr Henna Jalal	LPT
4	Dr Asma Irshad	LPT
5	Dr Najmanna	VPHE
6	Dr Shabu Showkat	VPHE

OTHER PLACEMENTS

	Name	Placement
1.	Dr Irfan Shakil	Asst Handicrafts Development Officer
2.	Dr Ashaq Manzoor	Assistant Conservator Forest
3	Dr Abdul Rahim	Qualified ARS appointed Scientist in ICAR