

Minutes of 19th Research Council Meeting held on 9th March, 2019

The 19th Research Council Meeting (RCM) of Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu (SKUAST-J) was convened on 9th March, 2019 in the Conference Hall, SKUAST-J, Main Campus, Chatha under the Chairmanship of Prof. Pradeep K. Sharma, Hon'ble Vice Chancellor, SKUAST-Jammu to assess the status of on-going research activities and chalk out road map for research to be taken in future.

Prof. Harbans Singh, former Vice Chancellor, SKUAST and Prof. Mandeep Sharma, Dean, College of Veterinary Sciences, CSK HPKV, Palampur were present as the invited experts of eminence in Agriculture and Veterinary Sciences, respectively. Dr. Jag Paul Sharma, Director Research, SKUAST-J; Dr. K.S. Risam, Director Extension, SKUAST-J; Dr.T.A.S. Ganai, Director Education, SKUAST-J; Dr. Deepak Kher, Director Planning & Monitoring, SKUAST-J; Dr. M.M.S.Zama, Dean Faculty of Veterinary Sciences & Animal Husbandry; Mr. Rajesh Talwar, Comptroller and Registrar, Dr. S.E.H. Rizvi, Dean Faculty of Basic Sciences; Mr.B.K. Zutshi, Jt. Director Agri. (Inputs), Dr. Mohd. Raza, Jt. Director, Sheep Husbandry; Dr. Sandesh Kohli, Jt. Director (AH), Dr. R.K. Arora, Associate Director Extension and I/c KVKs, Dr.Shahid Ahamad, Associate Director Research; Mr.Sanjesh Gupta, Project Officer (Fisheries), Mr. Satish Koul, Dy. Director (Floriculture), Dr. V. A. Koul, Technical officer, Animal Husbandry Department; Heads of Divisions of Faculties of Agriculture, Veterinary Sciences & Animal Husbandry and Basic Sciences, Chief/Senior Scientists & Heads of Krishi Vigyan Kendras, Incharge Stations/Sub-Stations, Principal Investigators of adhoc projects; Chief Agriculture Officers, Chief Horticulture Officers as well as other officers of Agriculture, Horticulture and other line departments participated in the meeting (Annexure I).

At the outset, Prof. Jag Paul Sharma, Director Research, SKUAST-J welcomed the Chairman, experts and participants and particularly acknowledged the generous attitude of Hon'ble Vice Chancellor for organizing such prestigious meeting. Prof. Sharma presented "Salient activities/achievements of Directorate of Research". It was apprised that mandates of Directorate of Research included identification of researchable issues; prioritization of researchable issues; development of research programmes, coordination of university research activities and implementation, monitoring and evaluation of research programmes. Prof. J.P. Sharma informed that focus areas of future research at SKUAST-Jammu include:

- Basmati Improvement Programme with focus on R.S. Pura Basmati
- Wheat Improvement Programme with focus on yellow rust resistance
- Maize improvement with focus on development of composite varieties
- Oil seed and pulses improvement programmes
- Organic farming
- Bio-prospecting of herbal plants
- Improvement of fruit, vegetable and ornamental crops and their value addition
- Intensification of livestock production and productivity
- Characterization of indigenous breeds of animals

- Diagnostic and therapeutic management of important livestock diseases
- Livestock feed, fodder and forage crop improvement
- Epidemiology of important livestock diseases and their zoonotic potential
- Food safety and environmental hygiene
- Livestock feed, fodder and forage development
- Development of climate resilient crop varieties
- Designing/improving prototypes of hill and mountain relevant farm machinery

Prof. Jag Paul Sharma apprised the house that out of 12 proposals for release of crop varieties, 11 varieties have cleared the requisite conditions as laid down by Central Variety Release Committee (CVRC); and hence notified for release in 81st Meeting of Central Sub-Committee on Crop Standards, Notification and Release of Crop Varieties. Among Horticulture Crops, 6 varieties of SKUAST-Jammu have been notified for release in 26th meeting of Central Sub-Committee on Crop Standards, Notification and Release of Varieties for Horticultural Crops. These included Coriander (Jammu Coriander -07), Mango (Jammu Mango Sel-05), Okra (Jammu Okra-03), Broccoli (Jammu Broccoli-07), Spinach (Jammu Spinach-07) and Fenugreek (Jammu Fenugreek-01). It was further informed by Prof. Sharma that during this year 03 projects by DBT, New-Delhi, 03 projects by DST-New-Delhi, 01 project by CAB International and 02 Volunteer Centre's by ICAR have been approved for funding. Under Product and Variety Testing during 2018-19 at SKUAST-Jammu, products of six companies/organizations such as Syngenta, ADAMA, Adventa, DMR, Sanath Seeds and UPL have been tested thus realizing a revenue of Rs. 9.55 lakh.

Prof. Jag Paul Sharma further elaborated that Directorate of Research organized a number of training programmes/seminar/symposia during 2018-19 including National Seed Training Programme on "Quality Seed Production Technology of Cereal Crops" in collaboration with NSR & TC, Varanasi; A Training on Entrepreneurship Development; National Conference on "Woman Entrepreneurship through Agro-Enterprises"; and Workshop on "Recent Advances in Management of Rapeseed Mustard". With respect to seed production it was informed that during 2018-19, 500 q of paddy seed and 803 q of wheat seed was produced by the university; and the Mega Seed project generated a revolving fund of Rs. 1.5 crore.

It was also highlighted that in order to promote quality research, idea of recognition of 2 star, 3 star and super star scientists have been conceived, depending upon the grants received by the scientists under competitive mode. Life Time Scientists award is based on larger technological contribution and cumulative achievement over the period of life time and such scientists may be allowed to work in the University till 75 years with provision of basic facilities and contingent grant of Rs.50,000/= per year for three years..

Mr. B.K. Zutshi, Jt. Director Agri. (Inputs), mentioned that most of the farms are small and marginal, therefore, Department is in need of some improvement in farming system. He requested the university to recommend a short duration crop between

harvesting of wheat crop and sowing of basmati in R.S. Pura belt. He also emphasized on standardizing production recommendations for Basmati rice for promoting its export potential. He felt the need of semi-dwarf basmati rice for Udhampur district. Mr. Zutshi urged upon the university to make available rice varieties as alternative to K-series of varieties in hilly areas of Jammu Division.

(Action: Head, Agronomy, I/c Basmati programme)

Dr. Harbans Singh remarked that potential of released varieties is not properly harvested which could be due to poor extension of technology. Prof. P.K. Sharma suggested that scientists from Economics and Agril. Extension may look into the issue of choice of preferences of rice type by the people of hilly region and the feedback of Department people may also be taken.

(Action: Director Extension, Head, Agri. Economics & Agri. Extension)

Mr. Zutshi highlighted the problem of Cuscuta stem parasite of paddy and requested for recommendations on its management. He requested the University authorities to lay more focus on development of white flint maize varieties as well dwarf varieties to prevent lodging. He also urged upon the scientists to explore the possibility of pure rajmash crop in potential rajmash areas like Bhaderwah, Bani, Poonch, Rajouri, etc. The chairman asked Dr. J.P. Sharma to look into the issue. Dr. J.P. Sharma informed that University scientists have developed pure rajmash lines from the material provided by the Department of Agriculture. Rajmash line BR-104 having superior quality traits is in advanced stage for release. With respect to summer moong, Dr. Harbans Singh did not favour recommending it for mid hills.

(Action: I/c Maize Breeder, PBG, I/c RHRS, Bhaderwah, I/c ACRA, Dhiansar)

Mr. Zutshi brought into the notice the nematode problem in potato and requested for an integrated schedule for its management. He also requested for improvement of millets like bajra and sorghum and small millets like foxtail millet, kodo millets, finger millet, etc. keeping in view their high nutritional values and changing climatic situations. Dr. Harbans Singh requested Director Research to introduce some millet crop varieties and evaluate them as fodder crops as well. The chairman asked Dr. J.P. Sharma to conduct a separate meeting with Agriculture Department Officials for threadbare discussions on vital issues.

(Action: I/c ACRA, Dhiansar/ Director Research)

Dr. Harbans Singh suggested that to increase production of pulse crops, pulse crop varieties may be recommended to bridge the gap between harvesting of wheat crop and sowing of basmati in basmati growing areas and asked Agronomy Division to workout the agronomy so that yield is not affected. With respect to semi-fine rice varieties in mid hills, Dr. Singh recommended to cultivate Ranbir Basmati and for higher altitudes, varieties developed at Khudwani and Larnoo stations of SKUAST-Kashmir may be evaluated and recommended.

(Action: Head, Agronomy, I/c PRSS, Samba, I/c Basmati programme)

Mr. Satish Koul, Dy. Director (Floriculture) highlighted the problem of insect infestation, insect borne viral problems and excessive moisture in commercial crops like marigold and other cut flowers. He stressed upon the need to identify flora for taking up cultivation of dry flowers. He also requested to standardize technology for growing marigold under shade nets. (Action: Head, Plant Pathology, Head, Vegetables & Floriculture Science)

Dr. Sandesh Kohli, Jt. Director (AH) stressed upon the need of disease monitoring and surveillance in coordination with University scientists; and taking up studies on glander, zoonotic diseases and IB and IBD studies in poultry.

(Action: Divisions of Vety Microbiology, Veterinary Public Health& Epidemiology)

Dr. Mohd. Raza, Jt. Director, Sheep Husbandry underlined the importance of field based diagnostic kits for early detection of diseases, regular survey and mapping of economically important diseases of sheep and goats; and identification of specific strains of pathogens; policy for enhancing mutton production by introducing high mutton yielding breeds and conducting adaptation trials as well as through intense rearing of sheep; soil testing and mineral mapping of the areas for standardizing mineral requirement of animals; use of animal byproducts, value addition of livestock products; and training programmes for veterinarians by the university.

(Action: Divisions of Animal Breeding, Divisions of Live Stock Management, Divisions of LPT, Vety Microbiology, Div.Vet. Public Health Epidemiology)

Mr. Sanjesh Gupta, Project Officer (Fishries) informed that there are large number of fish farms in Private Sector. The seed production demand has increased significantly but there is no private sector hatchery for supply of seeds. He highlighted the spawning problem arising due to non-synchronous maturity of male and female; and desired that a study may be conducted to manage the problem of low fertilization in corp.

(Action: I/c Fisheries, IFS, Chatha)

TECHNICAL SESSION-1

Dr. Vivek Manohar Arya, Assistant Professor, put before the house Agenda item 1 i.e. Confirmation of Proceedings of 18th RCM. The same were confirmed by the Chairman, Prof. Pradeep K. Sharma and the house.

With respect to Agenda No.2. i.e. Action Taken on the Report of 18th RCM, point by point threadbare discussions were held. With respect to popularization of zero tillage technology, the Hon'ble Vice Chancellor asked the departmental officials to visit KVK Kathua for seeing the impact. Dr. Harbans Singh remarked that university should focus on development of wheat varieties suitable for October sowing under rainfed conditions for conservation of moisture and also stressed upon development of wheat varieties for long durations and for special situations. Prof. J.P. Sharma apprised the Chairman and the house that actions have been taken with respect to all the issues raised by line departments in 18th RCM. (Action: I/c AICRP. Wheat)

Agenda No.3. Research Findings/ Recommendations of concluded projects:

Results of weed management experiments under AICRP were presented by Dr. B.R. Bazaya. The Chairman suggested to workout economics critically by adding more chemicals. Dr. Harbans Singh remarked that use of chemicals for weed management must be discouraged; instead more emphasis should be laid on improved implements for weed management.
(Action: I/c AICRP. Weed Management)

With respect to recommendations of experiment on “Effect of puddling methods and irrigation regimes on water balance in rice”, the chairman remarked that effect of alternate wetting and drying on N-assimilation must be worked out. Hon’ble Vice – Chancellor appreciated the recommendations of experiment on “Modeling for planning the conjunctive use of water at basin level within the canal commands of Jammu” and recommended that these findings must be passed on to the Govt. Departments for policy and planning.

The recommendations of concluded projects at School of Biotechnology were presented by Dr. R.K. Salgotra. The Vice Chancellor lauded the efforts of scientists at School of Biotechnology and appreciated their findings. Prof. Sharma remarked that recommendations of the projects may be further validated before being transferred to end users.

Recommendations of concluded DBT project “Development and validation of biopesticides in vegetable crops” were presented by Dr. R.K. Gupta. The chairman enquired about the availability of the recommended biopesticides in the University for supply on demand to the farmers. It was resolved that recommendations of the project may be validated by conducting OFTs in coordination with KVKs involving any Vegetable Scientist before incorporation in package of practices. With respect to other experiments pertaining to Division of Entomology, the Hon’ble Vice Chancellor remarked that the project must be monitored by the PME Cell of Directorate of Research before finalizing recommendations.

(Action: Dr. R.K. Gupta, P.I., Division of Entomology)

Dr. Kamlesh Bali presented the recommendations of the projects on molecular characterization of mulberry genotypes and silkworm breeds carried out in coordination with School of Biotechnology. The chairman and the invited expert remarked that Sericulture Division should identify best genotypes of mulberry as well as silkworm breeds developed and characterized at SKUAST-Jammu and submit proposals to Director Research for release at State Level.
(Action: I/c Sericulture)

Findings of experiment on “Eco-friendly management of major insect pests of sesame (Til)” were presented by Dr. Reena. The Chairman remarked that recommended treatments may be tried at Organic Farming Research Centre, Chatha and advised to check feasibility of application of treatments at farmers’ fields. Dr. J.P. Sharma asked the scientist concerned to popularize the recommendations by developing pamphlets and their distribution to the users.
(Action: Dr. Reena, ACRA, Dhiansar)

With respect to screening of black gram and green gram varieties at ACRA, Dhiansar, Dr J.P. Sharma remarked that best two entries of each crop may be evaluated through testing

by KVKs before making final recommendations. Prof. Harbans Singh favoured development of short duration varieties of pulse crops as well as designing an experiment on checking feasibility of intercropping of maize with different pulse crops for augmenting farmers' income. Regarding development of Lobia Super 60 variety of cowpea, Prof. Singh remarked that grain shape, size and colour of the variety should be of acceptable parameters. The variety was recommended for minikit trials during Kharif 2019. Regarding recommendations on "Nutrient management in maize under rainfed conditions" at ACRA, Dhiansar, the Hon'ble Vice Chancellor remarked that other alternatives such as use of biochar and vermicompost may also be explored under rainfed conditions in maize. Dr. Harbans Singh advocated the use of Biodung prepared by utilizing farm waste. In the context of high density maize planting, the chairman remarked that Department of Agriculture must promote line sowing in maize as standard practice. However, Dr. Harbans Singh was of the view that under highly sloppy areas, broadcasting is considered better.

(Action: I/c, ACRA, Dhiansar, Director, Department of Agriculture, Jammu)

With respect to findings of experiments at PRSS Samba, the chairman directed the concerned scientist to present recommendations in ZREAC meeting for inclusion in package of practices.

(Action: I/c PRSS, Samba)

Recommendations of the experiment on "Development of organic farming package for system based high value crops" were presented by Dr. Ashok Gupta. Dr. J.P. Sharma asked the concerned scientist to give crisp recommendations with respect to rice-potato-frenchbean cropping system for implementation under organic farming system.

(Action: I/c, IFS, Chatha)

Division of Fruit Science identified three promising lines of Pecan nut based on molecular and descriptor based studies. The Division proposed for their release as varieties. The Hon'ble Vice Chancellor asked the Director Research for promoting these lines for release as varieties. The Chairman advised the fruit scientists to focus on walnut and pecan nut for development/identification of superior varieties and multiplication of the planting material for meeting requirement of farmers and line departments.

(Action: Head, Fruit Science, I/c, RARS, Rajouri)

Dr. H.K. Sharma presented recommendations of experiment on "Screening of suspected samples for the presence of *Coxiella burnetii*". The chairman advised the concerned scientist to frame a project proposal based on his findings in this study and submit it for funding to agencies such as DBT and DST for further investigations on the subject.

Dr. Rajesh Katoch presented recommendations of the project "Detection of acaricide resistance in tick". The chairman advised Dr. Katoch to get them incorporated in package of practices to be developed by the Dean, Faculty of Veterinary Sciences & Animal Husbandry.

(Action: Dr. Rajesh Katoch, F.V.Sc., RS Pura)

With respect to working out of organic package of Maize-Rajmash-Pea cropping system for hilly tracts, the chairman remarked that price difference between organically produced

products and non-organically produced products must be confirmed from agencies like M/s Sarveshwar, Jammu.

Remarks of the invited experts of eminence

Dr. Harbans Singh, former Vice Chancellor, SKUAST observed that:

- For increasing productivity under rainfed conditions in sub-tropical and intermediate areas, local sources of organic nutrients should be recommended besides the application of recommended doses of fertilizer.
- Keeping in view the scarcity of fodder and less carrying capacity of pastures, young lambs should be used for mutton; saving energy in cooking as well.
- Agrostology should be established as a separate centre at SKUAST-Jammu to work out fodder requirement of different regions and for designing proper plan for making round the year availability of green fodder for animals. It would boost production of milk and meat.
- Line sowing in maize should be emphasized
- Stress should be laid on intercropping of maize with pulse crops.

Prof. Mandeep Sharma, Dean, College of Veterinary Sciences, CSK HPKV, Palampur observed that:

- Characterization of breeds is a good initiative by SKUAST-Jammu. Non-descript breeds should be characterized and given name.
- More projects in Veterinary Sciences are required to work on different aspects.
- More focus should be to prevent zoonotic diseases such as Brucellosis, Rabies, Tuberculosis, etc.
- Anti-microbial resistance is growing in a up-coming area of research as by 2050, majority deaths will occur due to resistance.
- Glander control should be a priority.
- Sheep pox, goat pox and foot root management should be a continuous programme.
- High mutton yielding breeds of sheep and goat from Rajasthan can be tried for meeting mutton requirement.

Concluding Remarks of the Chairman:

- Research work in rainfed system has lot of scope and it will give more results with comparatively less efforts.

- Organic farming has come up a new potential area of research. Scientists working at OFRC, Chatha must use all possible organic sources and make recommendations
- Establishment of Agrostology Centre is a good idea and Dean, FVSc. & AH may also be associated.
- Milk Production and Processing Unit needs to be established as a demonstration unit to promote entrepreneurship.
- Intercropping of maize with pulse crops should be promoted
- More research projects in veterinary sciences must be encouraged.

The Hon'ble Vice Chancellor congratulated Director Research for successfully conducting the 19th RCM and expressed satisfaction over conduct of meeting in the august presence of eminent experts and officers of line departments. Dr. Vivek Manohar Arya, Assistant Professor, Soil Science conducted the proceeding of the meeting and Dr. Shahid Ahamad, Chief Scientist/Associate Director Research/ Nodal Officer, PME Cell, Directorate of Research, SKUAST-Jammu, Chatha presented vote of thanks.

Rapporteurs:

-sd-

Dr. Shahid Ahamad
Associate Director Research
Directorate of Research
FoA, Chatha

-sd-

Dr. Manmohan Sharma
Associate Professor
School of Biotechnology ,FoA,Chatha

-sd-

Dr. Rajesh Katoch
Professor & Head
Division of Veterinary Parasitology
F.V.Sc. & AH., R.S. Pura

-sd-

Dr. Mohd. Rashid
Associate Professor
FVSc. & AH., R.S. Pura

List of participants in 17th RCM

S.No.	Name of Officers	Designation
1.	Prof. Pradeep Kumar Sharma	Hon'ble Vice-Chancellor, SKUAST-Jammu
2.	Prof. Harbans Singh	Former Vice-Chancellor , SKUAST, Srinagar, J.&K.
3.	Prof. Mandeep Sharma	Dean, College of Veterinary Sciences, CSK HPKV, Palampur
4.	Dr. Jag Paul Sharma,	Director Research & Member Secretary,SKUAST-J.
5.	Dr.K.S.Risam	Director Extension, SKUAST-Jammu
6.	Prof. Deepak Kher	Director, P&M, SKUAST-Jammu
7.	Dr.M.M.S. Zama	Dean, Faculty of Veterinary Sciences and Animal Husbandry, R.S.Pura, Jammu
8.	Dr. S.E.H. Rizvi	Dean, Faculty of Basic Sciences, Chatha
9.	Dr.R.K.Arora	I/c KVKs & ADE, Directorate of Extension, Chatha
10.	Sh.Rajesh Talwar	Comptroller, SKUAST-Jammu
11.	Mr. H.K.Razdan	Director Agriculture, Jammu
12.	Dr. ShahidAhamad	Associate Director Research, DoR, SKUAST-Jammu
13.	Mr.B.K. Zutshi	Jt. Director Agri. (Inputs)
14.	Dr. Mohd. Raza,	Jt. Director, Sheep Husbandry, Jammu
15.	Dr. V. A. Koul	Technical officer, Animal Husbandry Department
16.	S.Talvinder Singh	Joint Director, Horticulture, Jammu
17.	Dr. Sandesh Kohli	Jt. Director (AH), Jammu
18.	Mr.Sanjesh Gupta	Project Officer (Fisheries),
19.	Sh. Satish Koul	Dy.Director, Floriculture, Jammu
20.	Dr. B.B. Gupta	Prof., PBG
21.	Dr. Asma Khan	Prof. & Head,LPM
22.	Dr.Vikas Abrol	Sr.Scientist,ACRA,Dhiansar
23.	Dr.D.Kachroo	I/C AICRP , IFS
24.	Dr. Nawab Nashimuddullah	Head,VPP, FVSc&AH.
25.	Dr. R. Katoch	Prof.& Head, VPA
26.	Dr. N.K. Pankaj	Asstt.Prof,FVSc.& A.H.
27.	Dr.Vikas Sharma	Assoc. Prof, Division of Soil Science
28.	Dr. Satish K. Sharma	Farm Manager, Chatha
29.	Dr. D.K.Dwivedi	VSR,FVSc.
30.	Dr. V.B. Singh	I/c , HRSS, Raya
31.	Dr. Praveen Singh	Asstt. Professor ,PBG
32.	Dr.Abhijet Samanta	Prof. WMRC
33.	Dr. K.K. Sood	Professor , Division of Agro Forestry
34.	Dr.Salini Suri	Prof.& Head,VNN
35.	Dr.MA Malik	Prof.& Head,VPHP
36.	Dr.Bikram Singh	Professor,PBG
37.	Dr.H.R.Bharaddwaj.	Prof. VAHEE
38.	Dr.R.K.Taggar	Prof.& Head, FVSc.

39.	Dr.P.S.Mahapatra	Assoc. Prof., Division of VPB
40.	Dr.R.K.Sharma	Prof.& HOD , Division of AWN
41.	Dr.Sanjay Guleria	HoD, Biochemistry & Physiology
42.	Dr. B.C.Sharma	Prof. & Head, Division of Agronomy
43.	Dr.Sahar Masood	Assoc. Prof. Fisheries
44.	Dr.Jonali Devi	Prof. & Head, VPB
45.	Dr. Amit Kr.Singh	Assoc.Prof.Entomology
46.	Dr.N.P.Thakur	I/c FSR, Chatha
47.	Dr.R.R.Jat	ADR
48.	Dr. Anil Gupta	Professor & Head Division of Plant Pathology
49.	Dr.A.K.Raina	Prof. AICRP, WMRC
50.	Dr.Ravinder Singh Sudan	Sr. Scientist & I/C AICRIP Maize, Udhampur
51.	Dr.V.K.Wali	Prof.& Head , Division of Fruit Science
52.	Dr.Manish Sharma	Professor & Head, Statistics.
53.	Dr.Sachin Gupta	Assoc.Prof. Plant pathology
54.	Dr. S. K. Gupta	HOD, ILFC, R. S. Pura
55.	Dr.Jyoti Kachroo	Prof & Head, AEABM
56.	Dr.L.M.Gupta	Assoc.Prof. Division of Agroforestry
57.	Dr.Brajeshwar Singh	Asstt. Professor,, Microbiology
58.	Dr.Utsav Sharma	Head, Division of VGO
59.	Dr.MahitalJamwal	Senior Scientist & Head, RHRSS, Bhaderwah
60.	Dr.Manmohan Sharma	Assoc.Prof. SBT, Chatha
61.	Dr.Jag Mohan Singh	Prof. Division of Food Science.
62.	Dr, B. R. Bazaya	Assoc. Professor & I/C AICRIP, Division of Agronomy
63.	Dr. Mohd. Rashid	Associate Professor, FVSc. & AH., R.S. Pura
64.	Dr. S. K. Gupta	Prof & Head, Division of Medicine, F.V.Sc.
65.	Dr. Sunil Kumar	Prof. & Head, LPT, R. S. Pura
66.	Dr.Sanjiv Kumar	Sr. Scientist, PBG, ACRA
67.	Dr.R.K.Gupta	Prof & Head, Vegetable & Floriculture Science
68.	Dr.B.R. Bazaya	Assoc. Professor, Agronomy
69.	Dr. B. S. Jamwal	Chief Scientist, I/C PRSS Samba
70.	Dr.Vivek M. Arya	Asstt. Professor, Division of Soil Science
71.	Dr.Amitesh Sharma	Asstt. Prof.,PBG, Directorate of Research
72.	Dr.S.K Rai	Assoc. Professor, PBG
73.	Dr.Rohit Sharma	Jr. Scientist, Jammu
74.	Dr.Mahender Singh	Assoc. Professor, Agromet
75.	Dr.Renu Gupta	Asstt.Prof.Soil Science
76.	Deepak Kumar	I/c RARS,Rajouri
77.	Dr.PardeepWali	Associate Director Research
78.	Dr.J.S.Sudan	Head, TVCC
79.	Dr. R K Gupta	Prof & Head, Veg. Science & Floriculture
80.	Dr. Hafeez Ahmed	Prof & Head, Entomology
81.	Dr.R.Singh	Prof, F.V.Sc. R.S Pura
82.	Dr.Jai Kumar	Scientist. ACRA, Dhiansar
83.	Dr.Reena	Assoc.Prof., ACRA,Dhiansar

84.	Dr.M.A.Bhat	Prof.Vet.Microbiology
85.	Dr.Meenakshi Gupta	Assoc.Prof.Agronomy
86.	Dr.Uma Shankar	Assoc.Prof., Entomology
87.	Dr. Sushil Sharma	Prof &Head , Agri. Engg.
88.	Dr.Vijay Kumar,	Asstt.Prof,RRSS,Raya
89.	Dr.R.K.Gupta,	Prof.Division Entomology
90.	Dr.Neelesh Sharma	Asstt.Prof., Division of Medicine
91.	Dr.Tuhina Dey	Prof. Division of Plant Breeding & Genetics
92.	Dr.Anil Taku	Prof. VMC
93.	Dr.Parshant Bakshi	Incharge, ACHR, Udheywalla
94.	Sh.S.S.Sharma	Joint Director Fisheries
95.	Dr.Rakesh Kumar	Jr.Scientist, RHRSS,Raya
96.	Dr.Anuradha Shah	Sr. Scientist, AICRP,Rice
97.	Dr.Ustav Sharma	Professor & Head,VG
98.	Dr.A.K.Gupta	Prof.& Head, VSR,FVSc.,R.S. Pura
99.	Dr.P.S.Slathia	Prof. Agri. Extension
87	Dr. Anil Taku	Head, Vety. Microbiology
88	Dr.H.K.sharma	Asstt. Prof. VPHE
89	Dr.Peeyush Sharma	Div. of Soil Science & Ag. Chemistry
90	Dr. S.K.Sharma	Prof & Head, Division of Engineering
91	Dr.Rajinder Raina	Prof.& Head, Pharmacology
92	Dr.Mahital Jamwal	I/C RHRSS, Bhaderwah
93	Dr. S.K Singh	Asstt. Prof.Pl.Path. Directorate of Research
94	Dr.R.K.Salgotra	Coordinator, School of Biotechnology
95	Dr. A K Raina	Chief Scientist, Water Management, Chatha
96	Dr.Anil Gupta	Prof & Head, Division of Plant Pathology
97	Dr. Anil Taku	Prof., Division Veterinary Microbiology
98	Dr.Anil Bhushan	Asstt. Prof. OFRC
99	Dr. J. S. Soodan	Prof.& Head, TVCC,
100	Dr.Akhil Verma	Asstt. Prof. Udhampur