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### From Director's Desk



This issue of ICAR-CITH Newsletter gives the glimpse of the growth, success, achievements and events of our Institute over the last year 2015-16. During this year our scientists were dedicated to collect, characterize, evaluate, identify, document and conserve the germplasm of temperate horticultural crops. During the period thorough characterization of germplasm led to identification of elite cultivars in apple, pear, peach, plum, walnut, almond, kiwi fruit, vegetables, flowers etc. Hybridization programme in apple led to development of some superior hybrids which were found better in quality over their parents and are being evaluated on large scale in coming year. Production and protection technologies were developed in temperate fruits and nut crops. Under TSP and MGGM schemes technologies/varieties were demonstrated on farmer's field and farmers were benefitted with latest technologies and varieties of temperate horticultural crops. Institute is putting continuous efforts to make the farmers/ officers of line departments aware of various technologies generated in temperate horticultural crops for improving productivity and quality. The Institute has organized number of programs for human resource development. For the quick adoption of technologies ICAR-CITH is continuously organizing stakeholders meetings, vocational trainings, model training courses, crop days, on campus and off campus trainings as well as demonstrations, farm visits, diagnostic visits, supply

of quality planting material, publication in local language, participation in farmer fairs, radio talk, TV shows and display of exhibits on various occasions/ farmers fair etc. Institute has organized "National Conference on Temperate fruits and nuts - A way forward for increasing productivity and quality" from November 6-9, 2016. During this event about 400 researchers, students, scientists, entrepreneurs, farmers etc participated. During 2015-16 two meetings of stakeholders were organized wherein about 800 participants like farmers, students, scientist, nurserymen, entrepreneurs etc participated. "Apple Day" was organized by the Institute on 23<sup>rd</sup> September, 2015 in which about 300 farmers participated. Various awards were won by the scientists of our Institute for their significant contribution in the field of temperate horticulture.

I extend my heartfelt wishes to some of the scientists and staff members for their well deserved promotions. I hope the current issue of this newsletter reflecting the activities of ICAR-CITH will enlighten the writers about the ongoing activities and status of the Institute. Feedback and suggestions for further improvement of the Institute will always be acknowledged.

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## RESEARCH HIGHLIGHTS

The Institute has added 140 new germplasm in its field gene bank during 2015-16 and the total germplasm strength has reached to 2473 at ICAR-CITH, Srinagar, J&K while ICAR-CITH, Regional Station Mukteshwar, Uttarakhand is maintaining 365 germplasm of various horticultural crops.

In apple, evaluation of different cultivars was done on different apple clonal rootstocks and it was found that all the cultivars gave higher productivity on M-9 root stock at 3.0x1.5 m spacing without affecting the size and quality of fruit. Similarly the planting density of 2.5x2.5 m for MM-106 and 2.5 x 4.0 m on MM 111 rootstock gave higher productivity. In evaluation of 30 apple cultivars at Mukteshwar for various fruit traits, Tydeman's Early Worcester, Vance Delicious, Vermont Spur, Mollies Delicious and Skyline Supreme were found best for cultivation in Uttarakhand. While comparing different canopy management systems, the Espalier system was found best for increasing the productivity in apple. Application of 75% of recommended fertilizers in apple in two splits through fertigation gave maximum yield and fertilizer used efficiency.

In pear, among 15 European and 4 Asian pear cultivar, Hayward (57.13 kg/plant) and CITH-KN-1 (34.10 kg/tree) were found to be highest yielders. The cultivar William Bartlett (235.2 g) and CITH-KN-1 (233.6 g) produced heaviest fruits.

In evaluation of 21 cherry selections, CITH-C-02 (18.13 kg/plant) was found highest yielder while among cherry cultivars Stella gave maximum (22.17 kg/plant) yield.

Among 18 plum cultivars, Red Beauty produced heaviest fruits (117.50 g) while Kanto-5 gave maximum yield (35.66 kg/plant).

In peach cultivar Red Globe produced heaviest fruits (140.20 g) while maximum yield was recorded in cultivar Fantasia (32.7 kg/plant).

Among 59 apricot collections, cv.Rival produced heaviest fruits (66.51 g) while CITH-AP-1 gave maximum yield (107.8 kg/plant). Fourteen germplasm were early, 41 were mid and 4 were late in maturity. Forty five germplasm were found to have sweet kernel taste.

In almond selections, CITH-Almond-14, CITH-Almond-17 and CITH-Almond-19 were found promising based on the desirable traits while among almond cultivars, Pranyaj was found best from nut yield point of view.

Among 127 walnut germplasm, nut weight varied from 6.75 g to 22.30g. Twenty two genotypes produced nuts weighing more than check cv. Sulaiman (17.5 g). One genotype PGB-1 produced nuts with papery shell and having highest kernel recovery (67.92 %). In comparison of different training systems, maximum nut efficiency (0.719 nuts/cm<sup>2</sup>) was recorded in central leader system. Among different thinning levels 20% thinning, 20% heading back and 10+10% thinning + heading back regularly were found best from nut efficiency point of view.

In strawberry, 88 genotypes were evaluated for various physico-chemical traits and fruit weight varied from 3.5 to 12 g while ascorbic acid varied from 45 to 86 mg/100g. The cultivar were identified for commercial cultivation based on desirable traits.

Among 17 olive cultivars, Cipressino excelled all the cultivars for yield efficiency (1.84 kg/cm<sup>2</sup>) and oil recovery.

Among four female cultivars in Kiwi fruit, Hayward excelled all cultivars as far as fruit size and yield is concerned. The number of fruits/vine played a greater role on fruit size.

In vegetable crops 44 germplasm in carrot, 23 in turnip, 5 in radish and 58 in kale were evaluated along with Checks at Srinagar. In carrot SH-C-59 (31.20 t/ha), in summer carrot SH-C-54 (38.88 t/ha), in turnip CITH-T-1 (53.23 t/ha) and in radish JWL (104.40 t/ha) were found promising for high yield. In evaluation of chilli genotypes for various biochemical compounds, maximum phenolics and ferric reducing power were found highest in Sel-1005/11-1. The maximum capsaicin was recorded in Sel-1052-12015. For raising, the cost effective vegetable seedlings (tomato, capsicum and cucumber) different growing nutrient media were tried under polyhouse conditions at Uttarakhand. For getting round the year supply of vegetables under polyhouse conditions tomato, capsicum, spinach, fenugreek, coriander, onion and broccoli were tried in Uttarakhand.

In flower crops, 20 cultivars of tulip were evaluated for various floral traits and cultivar Alibi gave maximum vase life (13.3 days). The different cultivars were classified on the basis of colour and flowering time. The selection and planting of early mid and late cultivars can enhance the blooming span in tulip. In evaluation of seven cultivars of liliun under poly house conditions cultivar Brindsii, Pavia and Brunello were found best for commercial cultivation. In evaluation of nine cultivars of Alstroemeria, cultivar Rosita was found best under poly house condition while cultivar Alladin and Pluto perform better under open conditions. The poly house conditions were found best for high flower yield and continuous supply of flowers from April to December. The planting of Alstroemeria on raised bed at 45x60 cm gave better growth and yield. In comparison of different media for rhizome production, soil+sand+FYM gave better results. The thinning of shoots upto 15% was found best for plant growth without reducing yield.

In saffron, comparatively low yield was recorded in this year which may be due to fluctuation in temperature. Saffron clone CITH-125 was found highest yielder among 36 clones. In almond-saffron intercropping, highest equivalent yield was recorded in saffron + semi erect type of almond cultivars. The mid rib placement upper to corn in two splits was found best mode of fertilizer application in saffron growing soils without polluting environment

In genetic diversity analyses study of strawberry through SSR marker, low level of polymorphism was observed. In micropropagation of cherry and apple clonal rootstock, 5 best hormone combinations were identified. To

combine the desirable traits of Ambri in a genotype, 4 cross combinations were made and seeds of crosses were sown. Expression of regulatory genes responsible for biosynthesis of apocartenoids has got up regulated under *in vitro* developed stigma and these are developmentally closely related to natural stigma.

In development of superior varieties and hybrids, many lines were found at par with check in chilli, sweet pepper and brinjal at Srinagar. At CITH-RS, Mukteshwar among 14 genotypes, VL-4 was found high yielder in tomato while among 17 genotypes of capsicum maximum number of fruits (31) was recorded in Selection-3.

In aquatic dissipation management, aquatic dissipation and worm ratio of 15:1 was found best proportion to get utmost benefit in terms of quality, quantity, worm counts and economic returns. The vermi compost prepared from aquatic dissipation was analyzed for 28 elements. To know the soil and leaf nutrient status of apple growing areas of Kashmir thorough survey was conducted and deficit areas were identified. In Uttarakhand, the soils of CITH, Regional Station, Mukteshwar, were found deficit in available Zn but sufficient in available Cu, Fe and Mn.

The six districts of J&K were surveyed for sucking pest. The European red mite was found as major sucking pest in apple (14.28%) and almond (12.5%). In walnut severe damage was inflicted by *Chromaphis juglandicola* (22.64%) while in pear, pear psyllid was observed to be most serious pest (23.33%). For the borers, 8 districts were surveyed and 1508 specimens were collected, out of which 532 belongs to order Coleoptera, 43 under Lepidoptera and 59 under Hymenoptera. Infestations of flat headed borer were high (61.12%) in cherry at Ganderbal, J&K. Maximum infestation of shot hole borer (66.50%) was recorded in Shopian, J&K. About 84.81 and 64.22% infestation of codling moth was recorded on apple and apricot in Ladakh region.

In fungal foliar diseases of apple, 9 districts were surveyed in Kashmir for alternaria leaf spot and high diseases incidence (46.23%) and intensity (19.51%) was recorded in district Kulgam. In a study of major canker and foliar diseases of apple in Nainital district of Uttarakhand it was found that weather parameters strongly influenced the occurrence of disease. In soil born diseases of apple, wild apple (locally called as *paron*) was found resistance to white root rot. The edaphic factors strongly influenced the occurrence of white root rot. The soil moisture showed positive relationship with white root rot.

Two drying modes along with 3 cultivars were used for dehydration of plum into prune. The Italian Plum took less time for dehydration and retained colour, ascorbic acid and carotenoids to maximum with high rehydration ratio. In blending of juices in different ratios, blending of sweet cherry and sour cherry (50%+50%) was found best while in blending of apricot and plum juice blending, the ratio of 75%+25% was found best. The cost effective technology for production of pear wine was developed at CITH-RS, Mukteshwar, Uttarakhand.

## MEETINGS AND EVENTS

### National Conference on Temperate Fruits and Nuts

ICAR-Central Institute of Temperate Horticulture, Srinagar and The Horticulture Society of India, New Delhi jointly organized a “National Conference on Temperate Fruits and Nuts- A Way Forward for Enhancing Productivity and Quality” from 6 to 9<sup>th</sup> November, 2015 at ICAR-CITH, Old Air Field, Rangreth, Srinagar. During the conference about 400 participants comprising of scientists, students, research scholars, teachers, nursery men, progressive farmers etc participated. On 9<sup>th</sup> November, 2015 stakeholders meeting was organized at ICAR-CITH, Srinagar in which about 400 farmers, nurserymen, entrepreneurs, scientists, students and other stakeholders participated.



Inaugural function and participants in National Conference

### 12<sup>th</sup> Institute Research Council Meeting

Institute Research Council Meeting was held on 29 - 30<sup>th</sup> March, 2016 at CITH, Srinagar J&K under chairmanship of Dr D B Singh, Director/Acting, CITH, Srinagar, J&K. All the scientists of CITH, and IGRI, R S, Srinagar as well as RA's/ SRF's participated in the meeting. Project-wise presentations were made by respective PI's and research outcomes along with the activities to be taken up in next year were presented and discussed in details. Chairman gave critical inputs on experimentation for obtaining realistic and reproducible results. New Institute projects were also proposed and some were approved by the house.



Director (Acting) and scientists discussing the outcomes of projects during 12th IRC meeting

### QRT meeting

Third Quinquennial Review Team meeting was held from 7 to 10<sup>th</sup> September, 2015 at ICAR-CITH, Srinagar. The meeting was chaired by Dr S. D. Shikhamany, Chairman QRT and other members of QRT to review for the period 2009-2014. The chairman and members visited the research fields, labs and interacted with scientists and other staff members. The Institute work was discussed in detail and various suggestions were given by the chairman and other committee members. During the QRT meeting, Stakeholder meet was also organized on 9<sup>th</sup> September, 2015 in which various problems faced by the farmers were discussed and the road map for management of these problems was discussed



QRT members discussing the outcomes and taking the stake holders view during QRT meeting

### IMC meeting

12<sup>th</sup> Institute Management Committee meeting was held on 14<sup>th</sup> December, 2015 under the chairmanship of Dr Desh Beer Singh, Director/Acting, CITH, Srinagar. The committee discussed and approved all the agenda items including the recommendations of QRT for further consideration and approval of the Competent Authority



IMC members discussing various issues

### Hindi Week

Hindi week was organized by ICAR-Central Institute of Temperate Horticulture, Srinagar and its Regional Station, Mukteshwar from 14 to 21<sup>st</sup> September, 2015 for compliance of official language policy. Institute organized an essay writing and poster drawing competition for students, staff members and their children.



Hindi week Inauguration function at CITH

### Vigilance week

ICAR-Central Institute of Temperate Horticulture and its Regional Station, Mukteshwar observed vigilance Awareness week from 26<sup>th</sup> October to 31<sup>st</sup> October 2015. The theme for the vigilance Awareness week, 2015 was "Preventive vigilance - a tool of good governance." Director ICAR-CITH emphasized the role of preventive vigilance on the efficiency and objectivity in governance for eradication of corruption from public life.

### Rastriya Ekta Diwas

ICAR-Central Institute of Temperate Horticulture and its Regional Station, Mukteshwar observed "Rashtriya Ekta Diwas (National Unity Day) on 31<sup>st</sup> October, 2015. This occasion provides an opportunity to re-affirm the inherent strength and resilience of our nation to withstand the actual and potential threats to the unity, integrity and security. A pledge taking ceremony was also held on 30<sup>th</sup> October, 2015 in which all the Staff members participated with full enthusiasm.

### Cleanliness Campaign

A cleanliness drive was organized from 28<sup>th</sup> Sep. to 31<sup>st</sup> Oct. 2015 under Swachh Bharat Mission in institute campus in which staff members were sensitized about cleanliness and various programs were also organized to keep the campus and its surroundings clean.

### ICAR Inter Institutional North Zone Staff Sports meet

ICAR-CITH, Srinagar participated in ICAR Inter Institutional North Zone Staff Sports meet organized at ICAR-IISWC, Dehradun from 18 to 21<sup>st</sup> April, 2015. During the event Ajaz Ahmad Wani, Technician won the gold medal in carom. This was the maiden gold medal win by any staff of CITH, Srinagar in the carom



Mr Ajaz Ahmad Wani receiving gold medal during award ceremony of inter-institutional sports meet

### Interzonal sports meet

ICAR-CITH, Srinagar participated in ICAR Inter Zonal Sport Tournament from 8 to 12<sup>th</sup> February 2016 held at Central Arid Zone Research Institute, Jodhpur. Mr Ajaz Ahmad Wani, Technician a gold medalist in inter-institutional sports meet participated along with Dr Javid Iqbal Mir, Scientist who was the Chief De-Mission during the event.

## EXTENSION AND HRD

### Apple Day

Central Institute of Temperate Horticulture, Old Air Field, Rangreth, Srinagar organized an Apple Day on 23<sup>rd</sup> September, 2015. Jenab Abdul Rehman Bhat (Veeri), Hon'ble minister for Horticulture and Haj & Auqaf, J&K State was the Chief Guest on the occasion who inaugurated the function. Shri P.K. Sharma, (Director Horticulture Kashmir), Shri A.K. Sharma (Director, Horticulture, Jammu) and S.L. Hangloo (Director, Horticulture Planning and Marketing) also gave their remarks on various schemes and developmental activities being carried out in apple. Chief Guest, Jenab Abdul Rehman Bhat gave emphasis on high density plantation of apple and other temperate fruits and its importance for enhancing the livelihood of farmers. He highlighted various programmes and policies initiated in horticulture sector especially the Mission on apple HDP. An interactive meeting of scientists, development department officials and farmers was also held where Prof. Nazeer Ahmed, Director, CITH gave detailed presentation on present scenario and technological interventions requirements for enhancing the productivity and quality of apple. During the meeting farmers also raised several queries which were suitably answered by the scientists of CITH who assured all technical and material support for HDP promotion in the State. About 300 farmers participated in the event.



Jenab Abdul Rehman Bhat (Veeri), Hon'ble Minister for Horticulture and Haj & Auqaf, J&K addressing the audience during Apple Day

### Farmer-scientist interaction meeting

ICAR-Central Institute of Temperate Horticulture, Srinagar organized farmer-Scientist interaction meeting with Bayer Experts and scientists of CITH on 26<sup>th</sup> May, 2015 at CITH, Srinagar. Apple growers from different districts of Kashmir participated in the event. During the interaction session Mr Fabien Martil, Consultant, Eco Fruit Council, France gave detailed overview on apple scab and other important apple pests.



Discussion during Farmers - Scientist Interaction Meeting

### Stakeholders meet on temperate fruits and nuts

ICAR-Central Institute of Temperate Horticulture, Srinagar organized stake holders meet on temperate fruit and nut crops on 20<sup>th</sup> June, 2015 at CITH, Srinagar. Dr N. K. Krishna Kumar, Hon'ble Deputy Director General (Horticultural Science), Indian Council of Agricultural Research, New Delhi, Dr A. A. Sofi, Former Director, ICAR-CITH, Dr F. A. Zaki, Dean Horticulture, SKUAST (K), Dr F. A. Banday, HOD, Fruit Science SKUAST (K), officers from State Horticulture Departments, research scientists, fruit growers, nursery men, representatives from fruit growers associations, packaging, CA storage, processing units, participated in the event. Dr N. K. Krishna Kumar, Hon'ble Deputy Director General, Horticultural Science, ICAR apprised the audience on the importance of temperate horticulture and impressed the participants for adopting latest technologies and varieties developed by CITH for improving the productivity.

## World Soil Health Day

World Soil Health Day was celebrated on December 5, 2015 at ICAR-CITH, Srinagar in which soil health cards were distributed among the farmers and farmer scientist interaction meeting was also held on soil health and management.



Distribution of soil health cards during world soil health day celebration at CITH, Srinagar

## Training programmes and visits

ICAR-CITH Srinagar organized four training programmes of 2 to 3 days duration for the officials of line departments during the year. Training programmes organized during the period include Training, pruning and nursery production in temperate fruit crops w.e.f 27 to 29<sup>th</sup> Nov, 2015, Training, pruning and nursery production in temperate fruit crops w.e.f 9 to 10<sup>th</sup> Dec., 2015, Propagation of walnut under low cost polyhouse w.e.f 18 to 20<sup>th</sup> Feb., 2016 and Walnut budding and grafting w.e.f 15 to 17<sup>th</sup> Feb., 2016. Besides the officials and farmers trainings CITH, Srinagar also organized trainings/visits to the students on various lab techniques and instruments. About 300 students from six different schools/colleges visited ICAR-CITH, Srinagar during 2015-16. The ICAR-CITH has become attention centre of technologies in temperate horticultural crops for farmers/line departments. Different departments used to bring the farmers for one day training at CITH to make farmers aware of various technologies. Thirty one groups of farmers visited ICAR-CITH, Srinagar during the year.



Demonstration to farmers and students during their visit to CITH, Srinagar

## Exhibitions and talks

The Scientist of CITH, Srinagar delivered 6 radio/ TV talks on various aspects of temperate horticultural crops and displayed exhibition in *Technology Exhibition cum Seed Mela* organized by SKUAST- K at Shalimar, Srinagar on 6 to 7<sup>th</sup> March, 2016. Dr D B Singh, Acting Director, J I Mir, O C Sharma and Lal Chand facilitate this event.

## Diagnostic visits, publications and Radio/ TV programmes

The scientist of CITH and its Regional Station regularly visited farmers field to suggest immediate measures for their problems. During the year more than 30 diagnostic visits were conducted to solve the farmers problems in J&K and Uttarakhand. The scientists of CITH published 20 research papers, one book, 11 book chapters, 7 popular articles and 15 extension bulletin/ folders for the benefit of researchers, extension functionaries and farmers.

## Tribal Sub Plan Scheme

Under tribal sub plan scheme planting material and farm inputs were provided to tribal farmers of Gurez, Ganderbal, Poonch, Udhampur, Rajouri etc. Different training programmes and awareness camps were organized in tribal regions of these districts about HDP, PPV&FRA, canopy management systems etc. In addition demonstration on protected cultivation of vegetables, nursery raising etc were given to tribal farmers.

## Mera Gaon Mera Gaurav (MGMG)

ICAR-Central Institute of Temperate Horticulture, Srinagar identified one village "Hatigam" in district Anantnag, Jammu and Kashmir in which maximum farmer families are engaged with horticulture. One awareness camp about MGMTG was organized on 2<sup>nd</sup> March, 2016 by Dr Javid Iqbal Mir, Scientist, CITH, Srinagar in which farmers were made aware about the scheme and its benefits. On the same day about 44 farmer families were benefitted by provided quality planting material of apple and other temperate horticultural crops



Distribution of planting material under MGMTG at Hatigam, Anantnag

## Trainings organized at Mukteshwar

To speed the transfer of technologies in Uttarakhand, Regional station Mukteshwar organized 5 training camps for farmers on various aspects, conducted 12 diagnostic visits, 3 exhibitions on various farmers fair. Time to time visits were also organized. During the year, 8 group of farmers/ students/ officials of line departments visited the station. Fifteen demonstrations were laid out on four vegetable

crops . Twenty one lectures were delivered in various programmes organized by different agencies

## DISTINGUISHING VISITORS

### A) CITH, Srinagar

- ♦ Jenab Abdul Rehman Bhat (Veeri), Hon'ble Minister for Horticulture and Haj & Auqaf, Jammu and Kashmir, visited CITH, Srinagar on 8<sup>th</sup> June, 2015.
- ♦ Jenab Jahangir Hussain Mir Deputy Chairman, Jammu and Kashmir Legislative Council visited CITH, Srinagar on 11<sup>th</sup> August, 2015

### B) CITH, Regional Station, Mukteshwar

- ♦ Dr K.K. Paul, Hon'ble Governor Uttarakhand, visited CITH, Regional Station Mukteshwar on 1<sup>st</sup> June, 2015
- ♦ Dr Mangla Rai, Ex-DG, ICAR and present Vice-Chancellor, GBPUA&T, Pantnagar, Uttarakhand visited the Institute on 15<sup>th</sup> Jan, 2016.
- ♦ Dr N K Krishna Kumar, Deputy Director General (Horticulture Sciences), visited CITH Regional Station Mukteshwar on 8<sup>th</sup> May, 2015.



Dr K.K. Paul, Hon'ble Governor Uttarakhand, discussing with scientists



Dr Mangla Rai, Ex-DG, ICAR and present Vice-Chancellor, GBPUA&T, Pantnagar, Uttarakhand visiting CITH farm

## AWARDS AND RECOGNITIONS

- ♦ Prof. Nazeer Ahmed, Director CITH received Raj Bhasha Gourav Saman Gyan Vigyan Khand award for writing original science book in hindi entitled as Sheetoshan

Phalon Ki Vigyanik Kheti awarded by Hon'ble President of India Sri Pranab Mukherjee in presence of Shri Raj Nath Singh Hon'ble Union Minister for Home Affairs, Govt. of India on 14<sup>th</sup> September, 2015

- ♦ Dr Anil Sharma, Sr. Scientist was awarded Leadership Award 2015 during 25<sup>th</sup> National Conference on "Natural Resource Management in arid and semi-arid eco-system for climate resilient agriculture and rural development" held at Bikaner, Rajasthan w.e.f. 17 to 19<sup>th</sup> February, 2016.
- ♦ The Scientists of CITH received 4 Best Poster Award in various conferences during the year 2015-16



Prof. Nazeer Ahmed, Director CITH receiving award from Hon'ble President of India



Dr Anil Sharma receiving Leadership Award 2015

## APPOINTMENTS/PROMOTIONS/TRANSFERS/RETIREMENTS

### New Joining

- ♦ Prof. Nazeer Ahmed, Director, CITH was relieved from this Institute on 21<sup>st</sup> Oct, 2015 and joined as Vice Chancellor, SKUAST-K, Srinagar.
- ♦ Dr B.L. Attri, Principal Scientist (Hort.- Fruit Science) transferred from CITH, RS, Mukteshwar to DMR, Solan on 11<sup>th</sup> Feb, 2016.

- ♦ Shri Brajendra Kumar Puskar, STO transferred from ICAR-CITH, Srinagar to ICAR-CISH, Lucknow on 27.01.2016 .
- ♦ Dr D B Singh, Principal Scientist & Head, VG&F took the charge of Director/ Acting, CITH, Srinagar
- ♦ Dr Manoj Kumar Joined as Senior Scientist & Head (Programme Coordinator) at KVK, Baramulla on 21<sup>st</sup> Sep, 2015.
- ♦ Dr Susheel Kumar Raina joined as Scientist, Plant Breeding on 4<sup>th</sup> Dec, 2015 after being transferred from ICAR-NIASM, Baramati.
- ♦ Dr. Wassim Hassan Raja joined as Scientist, Fruit Science on 6<sup>th</sup> April, 2015.
- ♦ Dr K M Rai joined as Scientist, Fruit Science on 9<sup>th</sup> April, 2015.
- ♦ Sh. Lal Chand, joined as Scientist, Fruit Science on 9<sup>th</sup> April, 2015.
- ♦ Sh. Selvakumar R joined as Scientist, Fruit Science on 21<sup>st</sup> March, 2016.

- ♦ Sh. Muzafer Lone joined as LDC on 13<sup>th</sup> April, 2015.
- ♦ Sh. Rouf Ahmad Sheikh joined as LDC on 15<sup>th</sup> April, 2015.
- ♦ Sh Shoaib Nissar Kirmani joined as Senior Technical Officer on 13<sup>th</sup> April, 2015.
- ♦ Sh Mohammad Mudasir Magray joined as Senior Technical Officer on 13<sup>th</sup> April,2015.
- ♦ Shri Mohammad Touseef Ali, joined as Technician on 20<sup>th</sup> April, 2015.
- ♦ Sh. Shabir Ahmad Mir joined as SSS on 18<sup>th</sup> April,2015

### Retirements

- ♦ Sh. Abdul Rashid Dar, SSS, retired from Council Services on 31<sup>st</sup> July, 2015
- ♦ Shri Ghulam Ahmad Rather, SSS, ICAR-CITH, Srinagar retired from Council's services on 29<sup>th</sup> Feb, 2016

### Demise

- ♦ Shri Manmohan Singh, Senior Technical Assistant passed away on 27<sup>th</sup> June 2015.



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