



NEWSLETTER

Chaudhary Charan Singh Haryana Agricultural University

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From Vice-Chancellor's Desk



About 70 per cent of the national population lives in rural areas and their livelihood is dependent on agriculture. In India, 86 per cent of the farmers are small and marginal. Out of this, 65 per cent are below the age of 35 years and are not in a position to utilize the available resources for crop production and keep themselves away from new agricultural technologies. According to an estimate on population, upto the year 2025, food grains 343, milk 171, vegetables 168, fruits 81, sugar 22, food oil 13 and fish, meat & eggs 27 million tonnes will be required for fulfilling the eating needs of increasing population. So, it becomes important to sustain and uplift the livelihood of farming community through strengthening of farming system that they are adopting. The present situation has arisen because per capita agricultural land has decreased from 0.48 ha in 1951 to 0.14 ha at present and in coming years it will decline further.

The input cost for all type of agri production has increased and the farmers are not getting good prices for their produce. Simultaneously, the health of our soils has deteriorated due to imbalanced use of agro-chemicals. The problems encountered by small and marginal farmers are altogether different from big land holders. A small and marginal farmer needs to produce continuous, reliable and balanced supply of food for the society. At the same time he also needs cash for basic needs of house hold and recurrent farm expenditure. Integrated farming system is an option for the farmers to secure their livelihood and uplift their social and economic status.

In the present context of agriculture when Government of India is working on doubling the farmers income by 2022, efforts are to be made for increasing viability and productivity of various components of integrated farming system like crops, dairy, horticulture, vegetables, mushroom production, vermicompost production, sheep & goat keeping, piggery, apiculture, biogas production for energy and organic manure and many other agri based enterprises. While choosing the components for an integrated farming system it must be kept in mind that for the best integration, product or by-product of one component becomes the input of other component. For example, by-product and residues from crops are used in many industries as raw material and is also used as fuel, feed & fodder for animals. Likewise, animal dung is used as fuel and organic manure, which is again used by crops. Mushroom compost is used as manure after harvest of mushroom. Organic farming can also be encouraged through integrated farming system.

CCS Haryana Agricultural University, Hisar is working on developing integrated farming system (IFS) model to benefit small and marginal farmers under irrigated situation. According to findings and calculations of this model for one hectare, a farmer can earn a net income of Rs. 236051 per year by integrating various components of farming. Further, from sixteen plants of guava and eight plants of lemon about Rs. 20000 can be earned annually. Moreover, this system of farming gives round the year employment to the farming family and provide ample scope for fresh sale of produce in the market.

Hence, the increase in production and net profit at small and marginal land holdings through adoption of integrated farming system can establish India as a super power in global economy.

Prof. K.P. Singh

Symposium On Agricultural Engineering For Sustainable And Climate Smart Agriculture



For prosperity of a country, prosperity of its farmers is a must. But in India, agriculture is becoming less remunerative and the farmers are in distress. The agricultural scientists and engineers should think over this and give the farmers a viable solution. This was stated by Hon'ble Governor of Haryana and Chancellor of CCSHAU, Prof. Kaptan Singh Solanki while speaking as Chief Guest at the Inaugural Ceremony of 51st Annual Convention of ISAE and National Symposium on Agricultural Engineering for Sustainable and Climate Smart Agriculture organised by College of Agricultural Engineering & Technology in association with Indian Society of Agricultural Engineering (ISAE) from February 16-18.

He said that agriculture is backbone of Indian economy. More than 60% of country's population is dependent on agriculture. But the share of agriculture in the economy of the country has come down to 15% (2012-13) from 50% in 1950. He said that to achieve a growth rate of 10%, the agriculture growth rate will have to be increased from 3% to 4% for which the scientists and engineers engaged in agricultural development need to find out viable solutions that reduce the cost of cultivation and increase the quality and yield of farm produce.

He hoped that the symposium will come out with recommendations that can make agriculture a lucrative profession.

Prof. K.P. Singh, Vice-Chancellor, in the presidential remarks emphasized the role of

agricultural engineers and agricultural scientists in making agriculture profitable and sustainable. He said mechanization in agriculture is growing year after year. This is an important step in increasing agriculture production. He said that the Central Government has initiated several schemes to increase agricultural production but these schemes cannot succeed without the contribution of agricultural engineers. He emphasized the establishment of Directorate of Agricultural Engineering in each state to boost mechanization in agriculture.

Prof. Singh further said that considering the role of engineering in agriculture, the agricultural engineering education is being strengthened in the University. Recently, two new departments have been set up in the Agricultural Engineering & Technology College of the University and Ph.D. programmes have been started.

Dr. N.C. Patel, Vice-Chancellor, Anand Agricultural University, Anand, Gujarat and President of ISAE highlighted the objectives and accomplishments of ISAE. He also supported the creation of Directorate of Agricultural Engineering in each state. Dr. A.K. Goel, Convener of the National Symposium, and Dr. R.K. Jhorar, Dean, College of Agricultural Engineering & Technology, also addressed.

In this three-day symposium and National symposium, approximately 300 scientists from India, US, Canada, Australia and Japan participated. Issues related to

Agricultural Engineering were discussed to make agriculture sustainable, profitable and competitive enterprise through engineering interventions of farm mechanization, soil & water conservation, processing & value addition, energy management and incorporation of renewable energy sources in production and post harvest operations.

Scientists Honoured

On this occasion, the Hon'ble Governor honoured four scientists on behalf of ISAE in recognition of their best research in the field of Agricultural Engineering. Prof. B.S. Pathak and Prof. R.K. Shivappan were conferred Mason Wagh Pioneer Award and Dr. R.T. Patil and Dr. Surendra Singh were presented Lifetime Achievement Awards. He also released a Souvenir and Vision-2030 document of CCSHAU.



Engine Testing Laboratory Inaugurated

The Hon'ble Governor inaugurated the Engine Testing Laboratory and Farm Machinery Exhibition at College of Agricultural Engineering & Technology of the University on February 16. He had an interaction with faculty of the College and took round of the Exhibition.

CM Lays Foundation Stone Of College Of Agriculture At Bawal



the College but it could have been possible in the present regime in the State.

He said that a sum of Rs. 22 crore has been allocated for the construction of

Hon'ble Chief Minister of Haryana, Sh. Manohar Lal, laid the foundation stone of the building of College of Agriculture, Bawal on February 25. In this College to be built at a cost of Rs. 22 crore, B.Sc. (Hons.) Agriculture degree course will be run by the University.

The Chief Minister complimented the University for setting up this College. He said that in order to educate the youth of the region in agriculture we had announced the opening of College of Agriculture at Bawal in the year 2015. Taking a prompt action on this, the University started B.Sc. (Hons.) Agriculture 4-year course in the same year.

He said that while the population is growing, the agriculture holdings are declining. Today most farmers have 1 to 4 acres of land. In this situation, he hoped that this University and the College will work better to make the farmers particularly the farmers of South Haryana more prosperous.

On this occasion, the Vice-Chancellor, Prof. K.P. Singh, said that the College of Agriculture at Bawal was started on July 23, 1995 but due to inadequate budget, lack of infrastructure and staff, this College had to be closed in 1999-2000. After this, efforts have been made from time to time to restart

the College building and hostels for boys and girls. Apart from B.Sc. (Hons.) Agriculture degree programme, short duration certificate courses and trainings will also be organised in collaboration with Skill Development Council of India for students and farmers.

Union Minister of State for Planning and Urban Development, Rao Indrajit, Minister of Agriculture, Haryana, Mr. O.P. Dhankar and Minister of State for Public Health Engineering and Renewable Energy, Haryana, Dr. Banwari Lal also graced the occasion.

National Conference On Doubling Farmers Income By 2022



The farmers will not only have to adopt new models of farming, but they also have to adopt value addition, post harvest technology and marketing strategy to increase their income stated the Vice-Chancellor, Prof. K.P. Singh while speaking as Chief Guest at the National Conference on Doubling Farmers Income By 2022.

The conference in which about 300 economists, agricultural scientists and progressive farmers from all over the country participated, was jointly organised by CCSHAU, Haryana Economic Association, Indian Farmers' Association and Indian Agro Economic Research Centre from March 9-10.

Prof. Singh said that till now the emphasis has been on increasing agricultural

production rather than increasing the income of the farmers as a result of which the country has achieved self-sufficiency in the foodgrains, but the economic condition of the farmers has not improved. He said the need of the hour is to increase farmers' income to bring farming profession back on track. The CCSHAU has started working in this direction and developed integrated agriculture and livestock models to benefit small and marginal farmers who are in great stress. He said that to double their income by 2022, the farmers would need to adopt post harvest technology, value addition technologies and marketing strategy alongwith latest agriculture technology.

Prof. Anil Thakur, General Secretary, Indian Economic Association, stressed on the need of strengthening irrigation, food storage and marketing facilities in the country.

Mr. Dinesh Kulkarni, Secretary, Indian Farmers' Association, lauded the University for organising the conference. He said it will pave the way to increase income of the farmers. Dr. Manoj Siwach, President, Haryana Economic Association, Dr. S.S. Siwach, Dean, College of Agriculture and Dr. R.K. Patel, Convener of the conference also spoke.

On this occasion, a book entitled, Professional Ethics, written by Dr. S.D. Chamola and 'Kautilya' the Journal of Haryana Economic Association were released.



US Varsity Keen To Collaborate With CCSHAU



One of the leading universities of USA, Michigan State University has expressed keen interest for collaboration with CCSHAU in academics, research and extension pursuits. In this regard, a five-member delegation from Michigan State University comprising Dr. Doug Buhler, Director of AgBio Research; Dr. Jeff Dwyer, Director of Extension; Dr. Steven Hanson, Dean of International Studies and Programmes; Dr. Sanjay Gupta, Dean of Eli Broad Business College and Dr. Karim Maredia, Director of South Asia Partnership called on the Vice-Chancellor, Prof. K.P. Singh.

Prof. Singh welcomed the delegation and said that the collaboration would be

very beneficial to both the universities. He said that the collaboration may be in the form of faculty and students' exchange, joint research projects and academic programmes.

The delegation in the presence of Vice-Chancellor interacted with the Deans, Directors and Scientists of CCSHAU to explore areas of mutual interest and the mode of collaboration. Speaking on the occasion, Dr. Steven Hanson said that since the objectives of both the universities are almost similar and agricultural problems of

Haryana State and Michigan State are almost similar hence both the universities may work jointly on many projects and programmes.

Dr. Samunder Singh, Coordinator, International Affairs, presented a brief overview of CCSHAU's research, extension and academic programmes as well as achievements on the occasion. Later, the US delegation also visited farm research areas and laboratories to have a look at the various facilities in the University.



CCSHAU Lifts Over All Championship Trophy In IAU Sports Meet



In the 17th Inter Agricultural University Sports Meet organised by CCSHAU from March 25-29, CCSHAU alongwith Punjab Agricultural University, Ludhiana and Dr. Balasahab Sawant Konkan Krishi Vidyapeeth, Dapoli lifted the overall champion trophies in men category. In women category, CCSHAU and University of Agricultural Sciences, Bangalore, clinched the over all champion trophies.

Ms. Arushi and Mr. Suraj Bhan of CCSHAU also clinched the best athlete titles in men and women category respectively. Scoring equal points, Mr. Jadhav A.D. of Vasant Rao Naik of Marathwada Krishi Vidyapeeth, Parbhani was also declared the

best athlete in men category.

In this five-day Meet, over 2500 players from 57 state agricultural universities, veterinary universities and ICAR institutes across the country participated.

The meet was declared open by Agriculture Minister, Haryana, Mr. O.P. Dhankar. He hoisted the flag and took salute of the march past by players.

Speaking on the occasion, he lauded enthusiasm of the students in the Meet. He said that the students should always be enthusiastic about sports as the sports inculcate discipline, brotherhood and sense of competition which are very important for success in life.

Presiding over the meet, the Vice-Chancellor, Prof. K.P. Singh, lauded the ICAR for starting the Inter Agricultural University Sports Meet. He said this has provided opportunity to the students of farm varsities to show their talent in sports.

Dr. D.P. Nandal, DSW and Chairman of Organising Committee thanked the ICAR and Vice-Chancellors of agri varsities, team managers, coaches and sports persons for their cooperation. Dr. Kamal Gupta, Chief Parliamentary Secretary (Health) and Dr. J.S. Sandhu, DDG (Crop Science), ICAR also graced the occasion. They extended best wishes to the players.

At the closing ceremony, Prof. K.P. Singh distributed prizes to the winners of different sports events.



Haryana Agri. Conclave & Expo Receives Huge Farmers' Response



The two-day Haryana Agri. Conclave & Expo was organised from March 22-23. It was inaugurated by Dr. N.S. Rathore, Deputy Director General (Education), Indian Council of Agricultural Research (ICAR), New Delhi. The Vice-Chancellor, Prof. K.P. Singh, presided over the inaugural programme, while Mr. Amitabh Dhillon, IG (Hisar Range) graced the occasion as Guest of Honour.

Seek Scientists Help to Increase Income : Dr. N.S. Rathore

Addressing the farmers on the occasion, the Chief Guest, Dr. N.S. Rathore, asked them to seek the guidance of agricultural scientists to increase agricultural production and income. He said that despite achieving the first or second place in the world in milk, cereals, fruit and vegetable production, agriculture has not been proving beneficial to the farmers.

He said that today the biggest challenges before the country are food and nutrition security for the burgeoning population and doubling the income of farmers by 2022. To achieve these, apart from developing climate resilient crop varieties, there is a need at the farmers end to adopt the advanced technology, storage, processing and natural resource conservation technology. He threw light on the new schemes the Government of India and ICAR have introduced for the welfare of the farmers and urged the farmers to draw benefit of these schemes.

Adopt Organic Farming : Prof. K.P. Singh

Prof. K.P. Singh, Vice-Chancellor, in his presidential address, appealed to farmers to

adopt organic farming. This can fetch them 2 to 5 times higher price of their produce, he said, adding that initially for one or two years the farmers may get less produce but thereafter it will increase and benefit the farmers.

Expressing concern over the declining interest of farmers towards agriculture, he said that if this situation remains unattended this may lead to the problem of unemployment in the country as agriculture provides employment to over 55% of the population.

Sell Produce Through e-Marketing : IG Hisar

Mr. Amitabh Dhillon, IG, Hisar Range, emphasised that the farmers should grow crops as per the demand of the market and sell their produce directly to the consumers through e-marketing.

Earlier, Director Extension Education and Convener of the event, Dr. R.S. Hooda welcomed the guests and farmers. Associate

Director Publications, Dr. Sudarshan Mehta proposed a vote of thanks.

Farmers Honoured

As many as, 8 progressive farmers from different districts of the State were also honoured for their significant achievements in agriculture production, organic farming etc. on the occasion.

45 Thousand Farmers Throng the Event

Nearly 45 thousand farmers attended the Agri. Conclave & Expo and got information about new crop varieties, agricultural practices, irrigation equipments, agricultural machinery etc. from the Agro-Industrial Exhibition put up on the occasion.



There was huge enthusiasm among the farmers for procuring seed of ensuing Kharif season crops. For facilitating the farmers, seed sale counters were established by the University with the help of Government seed agencies. The farmers also visited the rabi crops grown by the scientists at the varsity's research farm and got information about the technology used in growing these crops. They also took advantage of the soil and water testing facility and got tested 171 soil and 250 water samples.



Prof. K.P. Singh Gets Additional Charge Of MHU V-C

The Vice-Chancellor, Prof. K.P. Singh has been given the additional charge of Vice-Chancellor of Maharana Pratap Horticultural University (MHU), Karnal.

MHU was set up on April 6, 2016 at village Anjanthali in Karnal district and Prof. K.P. Singh will be its founder Vice-Chancellor. The main objective of this University is to give a boost to the growth of Horticulture in the State to benefit farmers.

After taking over the charge of MHU as Vice-Chancellor, Prof. K.P. Singh said that



horticultural crops have a rich scope in

Haryana. The soil, climate as well geographic location of the State is very conducive for growing a variety of fruits, vegetables and flowers as well as their marketing. He said that cultivation of these crops would be very beneficial to the farmers.

He said that apart from academics and research, this University would also be made a skill development centre to cater to the larger demand of trained manpower in production, post harvest and processing industries.

College Of Basic Sciences And Humanities Holds Prize Distribution Function



College of Basic Sciences & Humanities honoured its meritorious students of the academic sessions 2013-14 to 2016-17 at the Prize Distribution Function held on February 23.

On this occasion, the Vice-Chancellor of Guru Jambheshwar University of Science & Technology, Prof. Tankeshwar Kumar, was the Chief Guest while CCSHAU Vice-Chancellor, Prof. K.P. Singh presided over the function. The chief guest gave away prizes to the meritorious students who included 13 M.Sc. and Ph.D. students. Speaking on the occasion, Prof. Tankeshwar Kumar emphasised on organising such programmes in educational institutions on

regular basis. He said that this will give encouragement to meritorious students and also motivate other students to do better in life. He called upon the students to imbibe good moral values and make meaningful contribution to the society.

Prof. K.P. Singh congratulated the students receiving the prizes and asked them to continue to lead in life. He also called upon the faculty to guide and motivate students for their better future.

Earlier, the Dean of the College, Dr. R.K. Jain, presented the report of achievements and activities of the College. He said that the prime focus of the College is on all-round development of the students.

On this occasion, the Chief Guest released 11 manuals published by faculty of the College as well as a Report of the College. Dr. Rajbala Grewal, Director, Centre for Food Science & Technology, presented vote of thanks, while Dr. Aparna conducted the stage.

CCSHAU Inks Agreement With Wageningen University And Research

CCSHAU and Wageningen University and Research, The Netherlands, will do collaborative research in green house technology and sustainable agriculture. For this, both the universities have signed a Memorandum of Understanding (MoU).

The Vice-Chancellor, Prof. K.P. Singh and Dr. Ir JE van den Ende, Managing Director,

Plant Science Group, Wageningen University and Research signed the MoU.

The MoU will pave way for collaborative research in enhancing water use efficiency, adaptability to climate change, integrated disease and pest management and market development apart from exchange of PG students and faculty development programme.

Fababean Variety Released

Scientists of Medicinal, Aromatic and Potential Crops Section of the University have developed a new variety of Fababean, commonly called Bakla. The new variety HFB-1 is not just high yielding but also has high nutritional value. The Central Variety Release Committee has released and notified this variety for cultivation in plain zone comprising the states of Haryana, Punjab, Delhi, Bihar, Jharkhand, Uttar Pradesh and Chhattisgarh.

This is a mid maturing variety suitable for irrigated and timely sown conditions. The best period of its sowing is the first fortnight of October. It has been found superior to National check variety Vikrant in seed yield. At Hisar, HFB-1 recorded mean seed yield of 43.50 q/ha compared to 35.60 q/ha of Vikrant, whereas at National level, the mean seed yield of HFB-1 was found to be 22.87 q/ha as against 20.70 q/ha of Vikrant.

As far as nutritional quality of HFB-1 variety is concerned, it is rich in protein (25.3%), fibre, plant nutrients, minerals and vitamins. It also contains levo-dopa, a precursor of neuro-chemicals in brain, such as dopamine, epinephrine. Besides, it is resistant against major diseases and insect-pests and tolerant to lodging, pod shattering and climatic stresses. This variety can be consumed by human beings as dal and vegetable and fed to animals as fodder and concentrate.

It may be mentioned that this variety of Fababean has been developed by Drs. J.S. Hooda and I.S. Yadav in collaboration with Dr. M.K. Deen.

Vegetable Varieties Notified For Haryana

Two new varieties and one hybrid of vegetables developed at CCSHAU have been notified for cultivation in Haryana. These include one variety (GH-22) and one hybrid (HBGH-35) of bottle gourd and one variety (HO-4) of onion.

These varieties/hybrid are better in yield and resistance against various diseases. The Central Sub-Committee on Crop Standard Notification and Release of Variety for Horticulture Crops has notified them for cultivation in Haryana state.

The bottle gourd hybrid HBGH-35 has medium size green colour

fruits, best cooking quality and less incidence of major diseases like Anthracnose and Cercospora and gives an average yield of 350 q/ha. Variety GH-22 with broader blossom end than the stem end, green colour fruits and longer shelf life gives an average yield of 280 q/ha. Similarly, onion variety HO-4 with rose red

colour bulbs, good keeping quality, less bolting and less incidence of onion yellow dwarf virus, stemphylium blight and purple blotch is also high yielding (310 q/ha).

Further bottle gourd variety and hybrid have been found excellent for cultivation in summer and rainy season and onion variety in rabi season under Haryana conditions.

While bottle gourd hybrid and variety have been developed by Drs. N.K. Sharma, P.S. Partap and D.S. Duhan, the credit for onion variety goes to Drs. B.S. Dudi, M.S. Dahiya, K.S. Baswana and S.K. Dhankhar of Vegetable Science Department of the University.



Afghan Delegation Visits CCSHAU



A fourteen member delegation from Afghanistan visited the University on March 4. It comprised agriculture scientists, officers of the National Seed Board, Seed Certification Directorate and Agriculture Department of Afghanistan.

The delegation called on the Vice-

Chancellor, Prof. K.P. Singh and discussed the agriculture scenario in both the countries. On this occasion, a member of the delegation Mr. Abdul Basir Habibi said that India has made an unprecedented progress in the field of agriculture. He said they have come here to see the feasibility of adoption of CCSHAU agriculture technology to increase their crop yield and seed production.

The Vice-Chancellor assured full cooperation to the delegation in this regard. He said that this University can assist Afghanistan in the development of agriculture technology as well as its agriculture human

resource. He said that students from around 17 developing countries, including Afghanistan, have been getting education here in this University and it will welcome as many students from Afghanistan who wish to join any degree programme here.

Deans and Directors of the University as well as officials from Hindustan Insecticides Ltd., Dr. Sain Das and Dr. Ram Prakash accompanying the Afghan delegation, were also present in the meeting. Later, the delegation visited Research Farm and Laboratories including the one in the Department of Seed Science & Technology.

All India Chhaju Ram Memorial Volleyball Tournament



The University organised Golden Jubilee 7th All India Chhaju Ram Memorial Volleyball Tournament from February 2-5. In the tournament, a total of 14 teams comprising National and International players from all over country participated. Dr. Kamal Gupta, Chief Parliamentary Secretary, Govt. of Haryana, inaugurated the tournament and

Prof. K.P. Singh, Vice-Chancellor, presided over the function.

Speaking on the occasion, Dr. Kamal Gupta said that Haryana government has made strong efforts to promote sports in the state. A number of incentives are being given to the sports persons and to promote sports and physical activities, Haryana Sports and Physical Fitness Policy-2015 has been implemented with the aim to spread awareness amongst people about significant benefits of physical activities and the role of sports in personality development. Besides, instituting new awards, modern infrastructure is also being created.

The Vice-Chancellor said that inspired by the state government, the University has given priority to sports. He said this tournament has been restarted after a long gap of 22 years.

In the tournament, ONGC (men) and Uchana, Jind (women) teams stood winners in their respective category.



Dr. Ambedkar Jayanti Celebrated

Dr. Ambedkar Chair in the College of Basic Sciences & Humanities of the University celebrated Dr. B.R. Ambedkar Jayanti on January 20-21. On this occasion, a declamation contest (English & Hindi) was held in which students from local colleges including CCSHAU and LUVAS participated.

The Vice-Chancellor, Prof. K.P. Singh, who chaired the celebration, gave away prizes to the winners of the contest. Speaking on the occasion, he said that poverty and illiteracy are a curse for any society as well as country. Without eradication of these evils development of a



nation cannot be imagined. He said Dr. B.R. Ambedkar realized these evils and made every effort to uproot them. He said that we should always remember such great personalities and try to follow their footsteps.

On this occasion, Dr. R.B. Langyan, former Director, Ambedkar Study Centre, KU, Kurukshetra, delivered a talk on Social and Political Thoughts of Dr. B.R. Ambedkar and highlighted his life and the struggle he made for the cause of eradication of poverty, untouchability and equal rights for all.

Earlier, Dr. R.K. Jain, Dean, College of Basic Sciences & Humanities welcomed the guests and the participants. He expressed gratitude to the Vice-Chancellor for extending generous support for establishing Dr. B.R. Ambedkar Chair.

Board of Management Approves Rs. 458 Crore Budget

The Board of Management has approved the budget proposal of Rs. 45810.61 lakh of the University for the financial year 2017-18.

In the budget proposal, the State Government share under Plan (Agri.)-B scheme (Plan scheme converted from Non-plan scheme) is Rs. 13350.00 lakh and under Plan (Agri.)-A (regular Plan scheme)

is Rs. 26200.00 lakh. In ICAR scheme, provision has been made for Rs. 3819.41 lakh, whereas in the Centrally Sponsored Scheme, the provision is Rs. 250.00 lakh and in schemes of other Miscellaneous Agencies, the provision is of Rs. 239.00 lakh. The remaining amount of Rs. 1952.20 lakh is internal accrual.

Out of the total budget, 24% would be spent on research activities, 21% on teaching activities, 11% on extension activities, 29% on administration & miscellaneous, 1% on students and employees welfare, 13% on service unit/building maintenance and Landscape Unit and 1% on SCSP.

Swami Vivekananda Anniversary Celebrated



The birth anniversary of Swami Vivekananda was celebrated as National Youth Day on January 12. To mark the occasion, different programmes were organised in which students took part with joy and enthusiasm.

The celebration commenced with the Prabhat Pheri in the morning. It was flagged off by the Vice-Chancellor, Prof. K.P. Singh. Describing Swami Vivekananda a youth icon, he called upon the youth to follow his ideals and contribute for glory of the country. He said the nation has great

expectations from them. The Deans, Directors and other officers of the University were present on the occasion.

The NSS volunteers who took part in large numbers in the Prabhat Pheri, holding cut outs of Swami Vivekananda, banners and placards

bearing his teachings walked through the campus and different localities of the city to spread the message of National unity and goodwill.

Later, a cleanliness campaign was carried out in the College of Agriculture under the guidance of its Dean, Dr. S.S. Siwach and Director Students' Welfare, Dr. D.P. Nandal. A training programme on cashless transaction was also conducted on the occasion in association with State Bank of India. The Vice-Chancellor chaired the programme.

Employees V-Ball Team Wins Trophy



The non-teaching employees volleyball team has brought laurel to the University once again by winning the Championship Trophy in the All India Non-Teaching Employees Shooting Volleyball Tournament held at Mohan Lal Sukhadia University, Udaipur, Rajasthan, from February 24-28.

Earlier, the University's team has stood winner thrice and runner up once in this tournament.

The Vice-Chancellor, Prof. K.P. Singh, congratulated the team for the success. He said employees should actively take part in sports to keep themselves healthy and energetic.

Dr. D.P. Nandal, DSW, Coach, Mr. Jagdish and HAUNTEA President, Mr. Rajbir Poonia also appreciated the team as well as its Captain, Mr. Om Prakash Kala.

Book Exhibition Marks Founder's Day



A book exhibition was organised by Nehru Library on the occasion of Founder's Day of the University on February 2. This two-day

book exhibition was inaugurated by the Vice-Chancellor, Prof. K.P. Singh.

The Vice-Chancellor appreciated the event. He said even with the invasion of information technology and e-books, books and book exhibitions have not lost their sheen. Every year several hundreds of new books arrive in the

market. These exhibitions expose the readers to the new titles. He said in educational institutions books exhibitions

have special significance as they provide book lovers an opportunity to purchase books of their taste at their door step.

Dr. Saroj S. Jeet Singh, University Librarian, said that book exhibition is an important activity of the Nehru Library. She said in the exhibition as many as 15 noted book distributors and publishers participated and displayed about 7000 books in the discipline of agriculture, basic sciences, home science, engineering, business management, nanotechnology, literature, general knowledge etc.

Awards & Honours

- **Dr. Dharam Bir Yadav**, Principal Scientist (Agronomy)-cum-Project Director has been conferred upon ISWS Fellow Award 2014 in recognition of his outstanding contributions to Indian agriculture, in general, and weed science, in particular. He was presented the Award on the occasion of ISWS

Biennial Conference-2017 held at MPUAT, Udaipur (Rajasthan) from March 1-3.

- **Dr. Surender S. Dhankar**, Principal Scientist, Department of Agricultural Meteorology, has been elected Vice-President of Association of Agrometeorologists-India

for the binnemium 2017-2019.

- **Dr. S.S. Punia**, Senior Scientist (Weed Control)-cum-Principle Investigator (AICRP-WM), Department of Agronomy, has been elected as Vice-President of Indian Society of Weed Science.

Participation In Conferences/Workshops/Trainings

- Dr. R.B. Grewal, Director, CFST, delivered invited lecture on Processing and Utilization of Fruits for Value Addition of Bakery Products in National Conference on Food Processing India 2017 held at GJUS&T, Hisar, from March 3-4. She also acted as Chairperson and Judge for evaluating oral presentations by young faculty in the conference.

- Drs. Sewak Ram, K.K. Verma and R.S. Kanwar, Department of Nematology, participated in the National Symposium on Climate Smart Agriculture for Nematode Management organised by NSI at ICAR-Central Coastal Agricultural Research Institute Ela, Old Goa, from January 11-13.

- Dr. Beena Yadav, Directorate of Research, attended 8th National Extension Education Congress on Nutrition-Sensitive Agriculture: Changing Role of Extension held at Rajendar Nagar, Hyderabad, from January 28-31. She presented a paper on Approaches to Promote Nutrition Security in the congress.

- Dr. Surender Singh Dhankhar, Department of Meteorology, attended and presented a research paper in the XIII Agricultural Science Congress on Climate Smart Agriculture held at UAS, Bengaluru,

from February 21-24.

- Dr. Sewak Ram, Department of Nematology, attended XIII Annual Group Meeting of All India Coordinated Research Project on Nematodes in Cropping Systems held at Indian Statistical Institute, Kolkata, West Bengal, from February 24-25.

- Dr. S.S. Punia, Sr. Scientist (Weed Control) and Dr. Anil Duhan, Asstt. Residue Chemist, Department of Agronomy, participated in the biennial conference of Indian Society of Weed Science on the theme "Doubling Farmers Income by 2022: the Role of Weed Science", held at MPUAT, Udaipur (Rajasthan), from March 1-3. In the conference, Dr. Punia delivered a lead lecture on Orobancha and its Management in Brassicaceous and Solanaceous Crops and Dr. Duhan presented the herbicide residue work conducted at farmers' fields.

- Dr. Raj Singh, Department of Agricultural Meteorology, attended one-day user conference on Weather and Climate Extremes: Issues and Challenges in North India sponsored by India Meteorology Department, Met Centre, Chandigarh, on March 16.

- Dr. Jatesh Kathpalia, Asstt. Scientist, Department of Sociology, presented a paper

on A Sociological Study on Adoption of Carrot Washing Machine among Carrot Growers of Hisar District in the National Symposium on Agricultural Engineering for Sustainable and Climate Smart Agriculture held at CCSHAU, Hisar, from February 16-18.

- Dr. Rashmi Tyagi, Asstt. Professor, Department of Sociology, presented paper on Adoption and Socio-Economic Assessment of Conservation of Agricultural Technologies with Special Reference to Cultivation of Wheat Crop with Straw Reaper in the National Symposium on Agricultural Engineering for Sustainable and Climate Smart Agriculture held at CCSHAU, Hisar, from February 16-18.

- Dr. Shiwani Mandhanian attended National Symposium on Daignosis and Management of Plant Diseases: Integrated Approach and Recent Trends held at ICAR Research Complex for NEH Region, Umium, Meghalaya, from January 9-11.

- Drs. V.P. Luhach and Kuldeep Kumar, Department of Agricultural Economics, attended National Workshop under the Cost of Cultivation Scheme held at Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, from January 18-20.

- Ms. Neeru Redhu attended Training on Computational Approaches for Next Generation Sequencing (NGS) Data Analysis in Agriculture organised by CART ICAR-Indian Agricultural Statistics Research Institute, New Delhi, from February 8-28.
- Dr. Anurag, Assistant Scientist, Department of Agricultural Meteorology, attended National Seminar on Sustainability, Environment and Society organised by Ch. Bansi Lal Govt. College for Women, Tosham, Haryana, on February 11. He presented a paper and also chaired a session in the seminar.
- Dr. Vijya Rani and Er. S. Mukesh, Department of Farm Machinery & Power Engineering, attended AICRP on FIM Meeting held at Coimbatore from January 3-5. In the meeting work carried out by the Department was appreciated by DDG (Agril. Engg.), ICAR, Dr. K. Alagusundaram.
- Drs. D.K. Sharma, V.K. Singh and Kanika attended 32nd Annual Workshop of AICARP on Post Harvest Engineering & Technology at ICAR-CIPHET, Ludhiana, from March 7-9.
- Drs. Somveer and Ashish Jain attended the 11th Review Meeting of DUS Project organised by Protection of Plant Varieties and Farmers Rights Authority at Indira Gandhi Krishi Vishwavidyalaya, Raipur, from February 27-28.
- Dr. Shikha Yashveer and Mr. Anil Panwar, Department of MBBS, attended Workshop

on Personality Development organised by the Department of Human Development & Family Studies, College of Home Science, CCSHAU, Hisar, from March 1-2.

- Dr. Kushal Raj, Department of Plant Pathology, attended training on Use of RS and GIS Linking with Crop Simulation Model for Crop Yield Forecast organised by Department of Agricultural Meteorology, CCSHAU, Hisar, from March 14-23.
- Dr. Yadvika, Asstt. Professor, attended XIXth Annual Workshop of AICRP on Energy in Agriculture and Agro-based Industries at MPUAT, Udaipur, from January 31-February 2.
- Drs. Jatesh Kathpalia and Rashmi Tyagi, Asstt. Professors, Department of Sociology, attended a Workshop on Awareness of e-Recourses Available in Nehru Library at CCSHAU, Hisar, on January 18.
- Dr. Vinod Kumari, Prof. & Head, and Dr. Satnam Kaur, Associate Director, DHRM, attended a Workshop on Personality Development at College of Home Science, CCSHAU, Hisar, from March 1-2.
- Ms. Neeru Redhu, Department of MBBS, attended training on Computational Approaches for Next Generation Sequencing Data Analysis in Agriculture organised by CART ICAR- Indian Agricultural Statistical Research Institute, New Delhi, from February 8-28.

Dr. Leela Wati, Department of Microbiology, attended a Workshop on Awareness of e-Resources Available in Nehru Library at CCSHAU, Hisar, on January 18.

- Dr. Kamla Malik, Department of Microbiology, attended 51st Annual Convention of ISAE and National Symposium on Agricultural Engineering for Sustainable and Climate Smart Agriculture held at CCSHAU, Hisar, from February 16-18.
- Drs. Kamla Malik, Seema Sangwan and Rakesh Kumar, Department of Microbiology, attended Workshop on Personality Development at College of Home Science, CCSHAU, Hisar, from March 1-2.
- Drs. Hemant Poonia and Manju S. Tonk, Department of Mathematics, Statistics & Physics, attended 29th National Conference of Haryana Economic Association held at CCSHAU, Hisar, from March 9-10. In the Conference, Dr. Hemant Poonia presented a paper on Mathematical Programming Approach to Determine the Optimum Cropping Pattern: A Case Study.
- Drs. S.K. Goyal, Prof. & Head and Sunita Mehla, Professor, Department of Business Management, presented paper in National Conference on Doubling the Farmers Income by 2022 organised by CCSHAU, Hisar in association with Haryana Economic Association, Bharatiya Kisan Sangh and Bharatiya Agro Economic Research Centre from March 9-10.

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College of Agricultural Engineering & Technology

- Mechanization Mela was organised at village Kajal Heri on February 7. The Vice-Chancellor, Prof. K.P. Singh, was the Chief Guest on the occasion. Nearly 30



manufacturers participated and displayed different agricultural machinery in the Mela. Technologies developed at CCSHAU were also demonstrated in the Mela.

- Dr. Shikha Mehta, RA in AICRP on EAAI, delivered a lecture on Bioenergy : Unlocking New Energy Resources in a Seminar on Conservation Agriculture for Sustainable Crop Production: Climate Smart Agriculture & Risk Management in 2nd Agri Leadership Summit 2017 at Surajkund, Faridabad, on March 20.

- A two-day training programme on Operation and Maintenance of Renewable



Energy Appliances for 50 rural women and unemployed youth of Haryana state was organised by Dr. Yadvika from March 17-18.

- A one-day awareness-cum-demonstration camp was organised at village Shishwala by Dr. Yadvika. Fifteen villagers were honoured for installation and successful operation of biogas plants at their places under the technical guidance of the Department. She also organised a one-day training-cum-demonstration programme at village Kaimiri, district Hisar for creating awareness among rural folks regarding operation and maintenance of improved biomass cook stoves, solar hara, biogas plant and solar based technologies.

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College of Agriculture, Hisar

- Mr. Rajbir Singh, Mr. Vikram Singh, Mrs. Maninder Kaur, Mr. Vinay Kumar and Mr. Irfan Mohammad, Ph.D. students, Department of Agronomy, gave oral/poster presentations in the biennial conference of Indian Society of Weed Science held at MPUAT, Udaipur (Rajasthan) from March 1-3. In the conference, Mr. Irfan Mohammad was presented the Best Poster Award.
- Ms. Pooja Sangwan, Ph.D. student, Plant Pathology Department, presented paper in Inter Drought – V Conference at Hyderabad International Convention Centre, Hyderabad (Telangana), from February 21-25. She as well as Mr. Amoghavarsha Chittaragi, M.Sc. student of this Department attended one-day training programme at TATA Energy Research Institute, New Delhi, from March 22-23.
- AICRPAM Centre, Department of Agricultural Meteorology, organised in-service capacity enhancement programme on Application of Advanced Agrometeorological Tools in Agricultural Production System from February 22 – March 3. This programme was sponsored by ICAR-AICRPAM. Delegates from 20 State Agricultural Universities attended this programme.
- A 10-day training programme on Use of RS and GIS Linking with Crop Simulation Model for Crop Yield Forecast under FASAL project was conducted by Department of Agricultural Meteorology from March 14-23.
- About 3500 farmers were registered for Weather Forecast SMS during First Haryana Agri. Conclave and Expo-2017 organised by CCSHAU, Hisar, from March 22-23.
- Dr. Raj Singh, Prof. & Head, Department of Agricultural Meteorology, attended 48th Governing Body meeting of HARSAC, DST, Govt. of Haryana, at Chandigarh on March 27.
- Department of Business Management conducted an industrial visit of MBA (Agribusiness) and MBA (General) final year students to Nainital and surrounding areas from February 26 – March 4. Dr. Suman Ghalawat and Mr. Subodh Agarwal accompanied the students.
- Dr. Suman Ghalawat and Dr. Amita Girdhar, Asstt. Professors, Department of Business Management, presented papers in HSB 9th Annual National Conference on Business & Management organised by Haryana School of Business, Guru Jambheshwar University of Science & Technology, Hisar, from February 8–9.
- PG students of Department of Nematology, Ms. Babita and Ms. Nishi Keshari were awarded 2nd Prize while Mr. Vinod Kumar was presented Consolation Prize for paper presentation in National Symposium on Climate Smart Agriculture for Nematode Management organised by NSI at ICAR-Central Coastal Agricultural Research Institute, Ela, Old Goa, from January 11-13. Two Ph.D. students, Mr. Patil Jaydeep Ashok and Ms. Saroj Yadav attended International Conference on Emerging Areas of Environmental Science and Engineering (EAESE, 2017) held at GJUS&T, Hisar, from February 16-18. They also attended a training entitled “Diagnosis of Livestock Disease a Molecular Approach” at Department of Bio-technology, LUVAS, Hisar, from February 2-22. Similarly, two Ph.D. students, Mr. Vinod Kumar and Mr. Gurpreet Singh and one M.Sc. student, Ms. Babita attended a training entitled “Statistical Analysis for Research Scholars” at College of Basic Sciences & Humanities, CCSHAU, Hisar, from March 20-29.
- Department of Horticulture conducted a training on Post Harvest Technology of Fruits and Vegetables under the scheme Strengthening of Post Harvest Management



Techniques of Horticultural Produce for Better Farm Advisory Services under RKVY Project from March 16-20. As many as 60 farmers/farm women participated in the training.

- A New Project entitled “Synthesis of new abiotic and biotic stress tolerant gene pool through introgression of alleles from

wild species into pearl millet cultivars” funded by Crop Trust (GCDT) and ICRISAT with Dr. Dev Vart Yadav, Asstt. Scientist, Bajra Section (PB) as Principal Investigator, has been sanctioned. The project will run for a period of two years (January, 2017 to December, 2018) with a total budget of US \$ 12040.

- Drs. Omender Sangwan and S.R. Pundir, Cotton Section, attended Workshop on Personality Development organised by Department of Human Development & Family Studies, CCSHAU, Hisar, from March 1-2.

- Drs. Somveer and Ashish Jain attended Review Meeting of DUS project, organised by Protection of Plant Varieties and Farmers Rights Authority, New Delhi, at Indira Gandhi Krishi Vishwavidyalaya, Raipur, from February 27-28.

- Mr. Vikram Ghiyal, Ph.D. student, Department of Vegetable Science, received Best Paper Award for oral presentation of paper “Effect of fertigation frequency and nitrogen levels on the growth and yield of potato (*Solanum tuberosum*) CV. Kufri Bahar” in the International Conference on Sustainable Natural Resource Management from Science to Practice (SNRMSP-2017) held at Banaras Hindu University, Varanasi, from January 12-13.

- Department of Vegetable Science organised two training programmes on Production Technology of Spice Crops for farmers of Haryana on March 7 and March 17.



- Department of Seed Science & Technology organised Seed Quality Awareness Campaign during February-March, 2017 under RKVY Project. In this programme, scientists monitored the seed production plots of 186 farmers and conducted farmer group meeting and Kisan Goshtis regarding maintenance of genetic purity of quality seed in 50 villages of 10 districts namely Mohindergarh, Rewari, Bhiwani, Sonapat, Rohtak, Jind, Kaithal,

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Karnal, Panipat and Hisar of Haryana. The Department also organised a 3-day farmer training course on Quality Seed Production and Seed Testing from March 16-18. As many as 50 farmers were trained to produce quality seed and seed testing.

- Medicinal, Aromatic & Potential Crops Department organised four trainings for farmers on Cultivation of Medicinal Plants. Out of these, two trainings were organised at CCSHAU Campus and one each at KVK Karnal and KVK Kurukshetra. A total of 230 farmers were oriented regarding cultivation, value addition and marketing of medicinal plants in these trainings.

College of Agriculture, Kaul

- Kalpana Yadav, a 2nd year student, secured individual third position in 100 m hurdle race in the 17th All India Agricultural Universities Sports & Game Meet 2016-17 held at CCSHAU, Hisar, from March 25-29. In the meet, Praveen Kumar, a 3rd year student, and Sonu Sehrawat, a 2nd year student, were part of the University squad that won 1st position (Gold medal) in Kabbadi (Men) event. Similarly, Ritu Phaugat, a 2nd year student, was part of the University team that won Silver medal in Volley Ball (Women) event.

College of Basic Sciences & Humanities

- Department of Zoology organised an Awareness Training Programme on Latest Rodent Management Practices for farmers in association with KVK Kurukshetra from March 1-2. A similar training programme was also organised at KVK Mohindergharh from March 15-16.

- Centre of Food Science & Technology (CFST) conducted a training on Fruits & Vegetables Processing for SC/ST youth from March 1-8. Besides, it coordinated with EECM Department in organising two trainings on Value Addition in Fruits & Vegetables from March 14-18 and March 17-22.



- In the first Haryana Agri Conclave and Expo-2017 organised by CCSHAU, Hisar, from March 22-23, the stall of CFST was presented 2nd prize for display of technologies and products. The value added food products were also displayed in 2nd Agri Summit at Surajkund from March 18-20.

- CFST was presented Award of Appreciation for active participation of its students in National Conference on Advances in Food Science & Technology – Current Trends and Future Perspectives organised by Department of Food Technology, Akal College of Agriculture, Eternal University, Baru Sahib, Sirmour (HP), from March 24-25. In the conference, Simran Arora, Ph.D. Student, and Sumit Kumar, M.Sc. student, got 2nd prize in poster presentation and 3rd prize in oral presentation, respectively.

- Dr. B.K. Hooda, Professor, Department of Mathematics, Statistics & Physics, delivered an invited talk on High Dimensional Multivariate Data Analysis : Status and Challenges in National Conference on Statistics and Optimization Techniques held at MDU, Rohtak, from February 11-13. He also delivered an expert lecture on Statistical Tools & Techniques in Agromet Data Analysis in capacity building programme organised by Agri. Meteorology Department, CCSHAU, Hisar on February 22. Besides, a lecture on Advance Statistical Analysis Using R was also delivered by him in a training organised by Computer Section, CCSHAU, Hisar, from March 20-29.

- Simran Arora, Ph.D. student, CFST, presented a paper in International Conference on Emerging Areas of Environmental Science and Engineering held at GJUS&T, Hisar, from February 16-18.

- Sumit Kumar, M.Sc. student, CFST, won 3rd prize in oral presentation in National

Conference on Advances in Food Science & Technology-Current Trends and Future Perspectives held at Akal College of Agriculture, Eternal University, Baru Sirmour (HP), from March 24-25.

- Naseer Ahmed, Ph.D. student, CFST, attended National Conference on Doubling the Farmers Income by 2020 held at CCSHAU, Hisar, from March 9-10.

- Shalu Chaudhary, Ph.D. student, MBBB Department, qualified CSIR-NET.

- Disha Kamboj of MBBB Department participated in International Seminar on Oilseed Brassica held at State Institute of Agriculture Management, Jaipur, from February 23-27. Likewise, Disha Kamboj, Priti, Aditi, Sumit Jangra and Rahul Kumar Meena, attended International Conference on Emerging Areas of Environmental Science and Engineering at GJUS&T, Hisar, from February 16-18.

- Disha, Priti, Sumit, Rahul, Ravi, Amit, Mahavir, Pratik, Gagandeep, Virender, Rekha, Kirti, Rizwana, Sonali, Nisha and Reema of MBBB Department attended Workshop on IPR organised by Department of Science & Technology, Govt. of Haryana, on February 14.

- Sumit, Disha, Priti, Aditi and Rahul of MBBB Department attended National Conference sponsored by UGC-SAP-DRS Phase-II organised by Department of Bio-Nanotechnology, GJUS&T, Hisar, on March 1.

- Suman, Rinku, Rakshita and Sumit, MBBB Department participated in Inter Drought V Conference at International Convention Centre, Hyderabad, from February 21-25.

- Sumit Jangra of MBBB Department participated in National Conference on Food Processing India 2017, while Priti, Aditi and Vrantika of the same Department attended International Conference on Emerging Areas of Environmental Science and Engineering held at GJUS&T, Hisar, from March 3-4 and from February 16-18, respectively.

- Vrantika of MBBB Department attended National Conference on Functional Materials: State of Art at Sharda University, Greater Noida, from March 31-April 1.

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- Ravi and Sumit of MBBB Department attended Soft Skill Workshop held at PAU, Ludhiana, from March 21-24.
- Satish Kumar, M.Sc. student, MBBB Department, participated in Swarna Jayati Conference on Biodiversity and Sustainable Utilization of Plant Resources at KU, Kurukshetra, from February 17-18.

I.C. College of Home Science



- Human Development & Family Studies Department (HDFS) organised a Workshop on Personality Development from March 1-2. It was inaugurated by the Vice-Chancellor, Prof. K.P. Singh. The participants who comprised faculty members from CCSHAU, LUVAS and local colleges, CDPOs and Home Science lecturer numbering 130, were enlightened about all aspects of personality development in the six technical sessions held on the occasion. At the valedictory function, Dr. M.S. Dahiya, Registrar, gave away certificates to the participants.
- Girl Child Week was celebrated by HDFS Department in Senior Secondary School, Shahpur, on January 21. Dr. C.K. Singh and Dr. Bimla Dhanda delivered lectures highlighting the importance of educating girl child, right nutrition and treating girls at par with male child.
- A training on drudgery reducing technologies was organised by Department of Family Resource Management (FRM) at Shikarpur village from January 27-28.
- Dr. Manju Dahiya, Professor, Department of Extension Education & Communication Management (EECM) coordinated training on ICAR-JRF (PGS), AIEEA for final year students of Home Science in collaboration with Students' Counselling and Placement Cell from January 10 - February 9. Thirty one students attended the training.
- FRM Department celebrated National Productivity Week with the theme: Wastes to Profits at village Shikarpur on February 4.

Fifty rural women who participated in the programme, were delivered lectures on



energy conservation, vermicomposting, electricity and water conservation, segregation of waste and rain water harvesting. A competition on Best out of Waste was also organised on the occasion. Similarly, Department of HDFS also organised a poster making and slogan writing competition on the topic: From Waste to Profits through Reduce, Recycle, Reuse on the occasion of National Productivity Week celebrated from February 12-18.

- A training-cum-demonstration on drudgery reducing and health technologies was organised by FRM Department in village Balsamand on February 15.
- Department of Foods & Nutrition organised a 10-day training for students on Bakery and Confectionary from February 6-18. A total of 39 girl students participated in this training. They were given practical demonstrations on making biscuits, cakes, nankhatai, melting moments, pizza, pav bhaji, French bucket, Swiss rolls etc. The Department also organised a 10-day training on Traditional-cum-Healthy Cooking for SC/ST students from February 28 - March 10. In this training, 25 students participated. Both the trainings were imparted in collaboration with Counselling and Placement Cell.
- Lecture-cum-demonstration and video shows were organised in Shikarpur, Nara, Chaudhariwali Dhani Kutubpur and Jeetpura villages between January 27 and March 21 to create awareness amongst farmers about protective clothing by Dr. Saroj Yadav, Asstt. Professor, Department of Textiles & Apparel Designing (TAD).
- EECM Department conducted eight incentive based trainings for rural women under RKVY. Two trainings each on Bag Making, Handicrafts, Fruit and Vegetable Processing in collaboration with (CFST) and

Post Harvest Management and Processing of Cereals and Pulses were organised from February 20-27, March 14-18 and March 17-22, respectively. Two hundred BPL rural women (25 women in each training) from Gawar, Rajthal, Hindwan, Kharad Alipur, Rawat Khera, Kheri, Kaimri and Pilain villages attended the trainings. The trainees were exposed to technical as well as



entrepreneurial know-how on various aspects. A kit was also distributed to the trainees after the training so that they could start home scale income generating units. Dr. Sanjesh Singh, wife of the Vice-Chancellor, Prof. K.P. Singh, was the Chief Guest at the valedictory function. She distributed certificates and kits to the participants.

- Annual Day was celebrated in Pre-school Laboratory of HDFS Department on March 25.
- Consumer and Water Awareness Campaign was organised by FRM Department in village Devan on March 25. Lectures on consumer rights and responsibilities, standardized marks, purification of water and water conservation techniques were delivered to about 100 rural women and school girls.
- A one-day training on vermi-composting was organised by HDFS Department in village Devan on March 27. Lecture and demonstration on starting vermin-composting at domestic level along with its importance and marketing was given to a group of 25 rural women and school dropout girls.

Directorate of Farms

- Directorate of Farms conducted two trainings on Screening, Evaluation and Seed Production in Wheat from March 7-10 and March 14-17.

Directorate of Students' Welfare

- Students Counselling & Placement Cell in the Directorate of Students' Welfare

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organised following professional and skill development training programmes for University students during January-March, 2017: Training on Entrepreneurial Skill Development (January 5-9); ICAR-JRF Admin. Exam. (January 10); Basic Computer Training for general category students (January 24-February 23); Advance Computer Training for girl students (January 24-February 23); Advance Computer Training for boys (January 24-February 23); Training on Bakery & Confectionary (February 6-18); Innovative Farm Forestry (February 8-25); Basic Computer Training for girl students (March 1-30); Basic Computer Training for boys (March 1-30); and Statistical Data Analysis for Research Scholars (March 20-29).

- As many as 18 NCC cadets passed 'B' certificate examination. Out of these, 12 got 'A' grade and rest got 'B' grade. Besides, out of 17 cadets who passed 'C' certificate examination, 7 secured 'A' grade and 10 got 'B' grade.

- Ms. Anu Jakhar of 1 Haryana R&V Squad participated in cycle expedition held from February 19-24. Likewise, Ms. Divya participated in Horse Riding expedition held from March 18-23.

- Sgt. Sunidhi, a student of COA under 3 Haryana Girls Bn NCC got selected to participate in international tournaments.

- The Annual Camp of NSS units of College of Agriculture, Hisar was held in village Balsamand, from February 10-16.

As many as 118 NSS volunteers attended the camp. Several activities including yoga, games as well as quiz, poem, painting and slogan writing competitions were organised for the volunteers.

- A lecture on Digital India was organised on the occasion of National Youth Day on January 12.

- A total of 115 NSS volunteers of College of Agriculture, Hisar, participated in Polio Immunization Campaign organised by Health Department from January 29-31. The service rendered by the NSS volunteers was appreciated by the Civil Surgeon, Hisar.

- In the XVII All India Inter Agricultural University Sports & Games Meet, 2016-17 held at CCSHAU, Hisar, from March 25-29, University students got 11 Gold Medals, 12 Silver Medals and 3 Bronze Medals in athletics and Gold Medal in Kabaddi (M) and Silver Medals in Badminton (W), Football (M), Table Tennis (W) and Volleyball (W).

- University team secured Gold Medal in Group Song in 17th AGRIUNIFEST held at RAJUVAS, Bikaner, from February 22-25.



Registrar Office

- The Academic Council has approved the proposal for issuing Certificates and Transcript to the students of B.Sc. (Hons.) Agriculture six year (2+4) programme and B.Sc. (Hons.) Home Science six year (2+4) programme admitted from the session 2011-12. The format of certificate of +1 and +2 to be issued to the students, as per decision of the Board of Management, has also been approved. The result was notified on February 27 and certificates issued to the students.

SNIATTE

- Saina Nehwal Institute of Agricultural Technology Training & Education (SNIATTE) organised 16 trainings during January-March, 2017 on different aspects of agriculture, home science, fruit and vegetable cultivation and entomology benefiting 505 participants. One 15-day Appreciation Course on Agriculture was also organised for HCS probationers. Besides, one advance training on cutting and tailoring and two off campus vocational trainings on natural farming were organised under the Pt. Deen Dyal Upadhyay Unnat Krishi Shiksha Yojana.



News From Krishi Vigyan Kendra

Poly House Nematode Awareness Day



- To enlighten the poly house grower farmers about the diseases caused by root knot nematodes and their management, Krishi Vigyan Kendra, Dhani Bikaneri, Fatehabad, organised a Poly House Nematode Awareness Day on January 6. As many as 35

poly house grower farmers from different villages of Fatehabad district participated in this programme. Officers of Department of Horticulture and Agriculture were also present.

Dr. Sewak Ram, Senior Nematologist & Head, Department of Nematology, delivered expert lecture on root knot nematode problem in poly house crops viz. cucumber, tomato, capsicum etc. He apprised the farmers about symptoms as well as management practices of root knot nematode. Dr. G.S. Rana, Senior Coordinator, KVK Fatehabad, delivered lecture on how to grow vegetables in poly house/green house through Hi-

Techniques. Dr. Sardul Mann, Convener of the programme, urged the farmers to have close watch as it becomes very difficult to control nematodes once they enter a poly house due to congenial environment and presence of suitable host throughout the year.

Dr. Bijender Singh Yadav emphasised on raising nursery of fruits and vegetables in naturally ventilated poly house (low cost poly house) and in soil less media. Dr. Gurnam Singh highlighted activities carried out by the KVK to benefit the farmers.

On this occasion, literature pertaining to root knot nematode in poly house was distributed to the participating farmers.

Retirements

The following faculty and staff members of the University retired on attaining the age of superannuation during January-March, 2017:

Retirements on 31st January, 2017

S. No.	Name	Designation	Department
1	Dr. R.P. Saharan	Professor	Genetics & Plant Breeding Department
2	Mr. Rampat Indora	Deputy Superintendent	Registrar Office
3	Mrs. Raj Rani Leekha	Deputy Superintendent	Directorate of Extension Education
4	Mr. Ram Charan	Library Assistant	Regional Research Station, Karnal
5	Mr. Om Parkash Yadav	Library Assistant	College of Home Science
6	Mr. Hans Raj	Senior Laboratory Assistant	Entomology Department
7	Mr. Hari Dass	Laboratory Assistant	Horticulture Department
8	Mr. Ved Parkash	Sub Inspector	Chief Security Office
9	Mr. Kulwant Singh	Jeep Driver	RDS Seed Farm
10	Mr. Keshri Prashad	Electrician	E.O.-cum-S.E.
11	Mr. Mange Ram	Head Mali	Vegetable Science Department
12	Mr. Jagdish Chander	Workshop Mate	Farm Machinery & Power Engg. Department
13	Mr. Sarwan Singh	Vehicle Attendant	Cotton Research Station, Sirsa

Retirements on 28th February, 2017

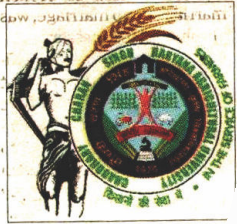
14	Dr. R.K. Jain	Dean	College of Basic Sciences & Humanities
15	Dr. R.K. Nanwal	Chief Scientist	Agronomy Department
16	Dr. R.S. Raman	Senior Coordinator	Krishi Vigyan Kendra, Faridabad
17	Dr. S.S. Yadav	Coordinator	Krishi Vigyan Kendra, Mohinderagarh
18	Dr. Diwan Singh	Principal Scientist	Agricultural Meteorology Department
19	Dr. Sunita Jain	Professor	MBBB Department
20	Mr. Jeet Singh	Sub Inspector	Chief Security Office
21	Mr. Banwari Lal	Messenger	E.O.-cum-S.E.
22	Mr. Brij Lal	Meteorological Observer	Agricultural Meteorology Department

Retirements on 31st March, 2017

23	Dr. R.K. Patel	Associate Director	Directorate of Human Resource Management
24	Dr. Saroj S. Jeet Singh	Professor	Textiles & Apparel Designing Department
25	Dr. Veena Manocha	Joint Director	Directorate of Human Resource Management
26	Dr. Sushil Kumar Sharma	Principal Scientist	Regional Research Station, Bawal
27	Dr. Sudershan Mehta	Professor	Extension Edu. & Comm. Management Department
28	Mr. Babu Lal	Assistant Registrar	Directorate of Extension Education
29	Mrs. Prabha Madan	Administrative-cum-Accounts Officer	Directorate of Research
30	Mr. S.N. Narang	Superintendent	Comptroller Office
31	Mrs. Raj Rani Arora	Deputy Superintendent	Deputy Estate Office
32	Mr. Pritam Singh	Technical Assistant	Cotton Section
33	Mr. Hardev Singh	Security Guard	Chief Security Office
34	Mr. Hawa Singh	Messenger	Agricultural Meteorology Department
35	Mrs. Meera Devi	Bindery Attendant	Nehru Library
36	Mr. Ram Kishan	Water Pump Operator-II	XEN (PH)
37	Mr. Sadhu Ram	Mechanic	Agronomy Department
38	Mr. Harvir Singh	Mechanic	Farm Machinery & Power Engg. Department
39	Mr. Badri Dass	Beldar	Landscape Unit
40	Mrs. Dallo Devi	Mason	XEN-CII
41	Mr. Hoshier	Mate	College of Home Science

HAU products to bear its trademark

HISAR, JANUARY 25
The products and services of Chaudhary Charan Singh Haryana Agricultural University (HAU) will be trademarked. Vice-Chancellor Prof KP Singh said the university had received permission from the Centre.



The HAU trademark

The VC said the trademark will be the symbol of quality all stakeholders, most importantly for the farmers and agribased industries. The registered trademark will be used on the scientific and technological services, research services, industrial services, design and development of computer hardware and software, education, sporting and cultural

खेलों की तरह कृषि में भी पीछे नहीं हरियाणा : प्रो. सोलंकी

हिसार, 16 फरवरी (का.प्र.): कबड्डी, कुश्ती जैसे खेलों की तरह हरियाणा कृषि क्षेत्र में भी पीछे नहीं है लेकिन खेती को मुनाफका व्यवसाय कैसे बनाया जाए। इसके लिए कृषि से जुड़े हैं एग्रीकल्चरल इंजीनियरों को खोज कर कम है गुणवत्ता दर बढ़ाने

कृषि विश्वविद्यालय में आयोजित इंडियन सोसायटी ऑफ एग्रीकल्चरल इंजीनियरिंग के 51 वें वार्षिक सम्मेलन तथा एग्रीकल्चरल इंजीनियरिंग फॉर सस्टेनेबल एंड क्लाइमेट स्मार्ट एग्रीकल्चर विषय पर राष्ट्रीय संगोष्ठी के उद्घाटन अवसर पर बतौर अध्यक्ष बोल रहे थे। प्रो. सोलंकी ने कहा कि अर्थव्यवस्था के विकास के लिए कृषि को बढ़ावा देना जरूरी है। उन्होंने कहा कि कृषि को बढ़ावा देने के लिए हमें गुणवत्ता बढ़ाने और लागत कम करने पर ध्यान देना चाहिए।

देश की नीतियों में किसान हित को शामिल करना होगा

हिसार, 9 मार्च (का.प्र.): किसानों को अपनी आय बढ़ाने के लिए आधुनिक कृषि पद्धति अपनानी होगी। अर्थात् उन्हें पोस्ट हार्वेस्ट टेक्नोलॉजी तथा मार्केटिंग स्ट्रेटजी भी अपनानी होगी। यह बात चौधरी चरण सिंह ने कहा। उन्होंने कहा कि देश की नीतियों में किसानों के हित को शामिल करना होगा। उन्होंने कहा कि कृषि को बढ़ावा देने के लिए हमें गुणवत्ता बढ़ाने और लागत कम करने पर ध्यान देना चाहिए।

प्रदेश में कृषि अभियांत्रिकी निदेशालय स्थापित हो : प्रो. सिंह

कृषि में उत्पादन बढ़ाने के लिए नई तकनीक ईजाद करने पर दिया बल



सम्मेलन के दौरान मौजूद मुख्य अतिथियों का बौद्धिक और अन्य वैज्ञानिक प्रारूप पर चर्चा करने के लिए प्रो. सोलंकी के वैज्ञानिकों को सम्मानित करते हुए।

हिसार, 16 फरवरी (का.प्र.): कृषि क्षेत्र में नई तकनीक का उपयोग करना जरूरी है। उन्होंने कहा कि कृषि को बढ़ावा देने के लिए हमें गुणवत्ता बढ़ाने और लागत कम करने पर ध्यान देना चाहिए। उन्होंने कहा कि कृषि को बढ़ावा देने के लिए हमें गुणवत्ता बढ़ाने और लागत कम करने पर ध्यान देना चाहिए।



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हृदय और वाणिज्यिक विवि में एमओयू

दीप प्रज्वलित कर कार्यक्रम का शुभारंभ कर प्रो. कसान सिंह सोलंकी।

देश के बड़े म्यूजियमों की तर्ज पर सुधार किया जाएगा, चार करोड़ डॉलर खर्च, दर्शकों की सुविधा के लिए कैफेटेरिया भी बनेगा

एचएयू के म्यूजियम में हर कॉलेज की बनेगी गैलरी

हरियाणा सरकार के द्वारा एचएयू के म्यूजियम में हर कॉलेज की बनेगी गैलरी। इससे किसानों को अपनी आय बढ़ाने के लिए हमें गुणवत्ता बढ़ाने और लागत कम करने पर ध्यान देना चाहिए।

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Three MoUs inked to promote fisheries, horticulture

TRIBUNE NEWS SERVICE

SURAJKUND (FAR) MARCH

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Vision document of agri varsity released

CHANDIGARH, FEBRUARY 7

Chief Secretary DS Dhesi released a vision document namely "Vision 2030" of the CCS Haryana Agricultural University, Hisar, here today

The document laid out the university's vision for the next 25 years, aiming to double the income of farmers within the next five years.

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Feedback

Public Relations Officer

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Website : http://hau.ernet.in | http://hau.ac.in





NEWSLETTER

Chaudhary Charan Singh Haryana Agricultural University

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From Vice-Chancellor's Desk



Edible oil constitutes an important part of our daily diet. Domestic consumption of edible oils has touched the level of 23.45 million tonnes in 2015-16 (Nov-Oct) and is likely to increase further with enhancement in income and population. The growth in production of domestic edible oils (9.18 million tonnes in 2015-16) has not been able to keep pace with the growth in consumption and is leading to increasing imports (14.82 million tonnes during 2015-16), with a huge drain on the exchequer worth more than Rs.60,000 crores annually. According to FAO (2016) estimates, per capita consumption of edible oil was 18.13 kg during 2016-17, which is projected to increase up to 24 kg by 2025.

India plays an important role in the global edible oil market, accounting for 10-12% consumption; 4-6% edible oil production and 12-14% imports. Oilseed cultivation is undertaken across the country in about 35 million ha, largely under rainfed areas (about 70%) with risk in investment. Indian oilseeds sector consists of total nine commodities (seven edible, i.e. soybean, groundnut, rapeseed and mustard, sunflower, sesame, safflower and two non-edible, i.e. castor and linseed). So far as their contribution to vegetable oil is concerned, rapeseed and mustard tops the list (31%), followed by soybean (26%). In spite of its small size, contribution of Haryana in Indian vegetable oil production is important due to its significant contribution particularly in rapeseed and mustard. Haryana is the third most important rapeseed- mustard growing state in the country with an area of 0.51 million ha, production of 0.82 million tonnes and productivity of 1669 kg/ha (2015-16) which is highest in the country. In the year 2010-11, the state has achieved ever highest productivity of 1869 kg/ha. However, there still exists a gap between production potential and actual realization which needs to be bridged or narrowed down.

CSSHAU, Hisar, being one of the lead centres of AICRP on Rapeseed-Mustard, is continuously taking care of research mandates of national and state interests. The Oilseeds Section, CSSHAU has released a number of rapeseed-mustard varieties. RH 30, released in 1983, is the landmark variety of Indian mustard, which is still very popular among the farmers. Some other varieties for different conditions having significant role in improving the productivity of the state are RH 8812, RH 9304, RH 9801, RH 0119, YSH 0401, RH 0406 and RH 0749, which have great yield potential and are popular not only in Haryana state but in the neighboring states also. Recently in 2018, a new variety of Indian mustard, RH 725 having a potential of more than 3.0 tonnes/ha under rainfed conditions has been released. Further, numerous technologies have been evolved for the control of diseases, insect-pests and parasitic weeds in rapeseed-mustard and increasing their productivity under varying climatic conditions. For the outstanding contribution in rapeseed-mustard research and development, the AICRP (RM) team has been awarded twice with Best Performing Main Centre Award for 2012-13 and 2015-16. Now, efforts are also being made towards breeding varieties resistant not only to diseases and insect-pests, but also to drought and early and late season high temperature conditions. Keeping in view the health issues, development of varieties satisfying the '0' and '00' standards are also concern of research. Efforts are also continue for development of hybrids using different CMS systems to exploit heterosis in this crop.

In order to meet the future demand projections, maintain sustainability and ensure reasonable level of self-sufficiency, breeding of the climate resilient and multiple resistant mustard varieties/hybrids with more than 3.5 tonnes/ha yield potential is need of the hour to keep pace with projected target of productivity of the state more than 2000 kg/ha. In addition to the ongoing research and development programmes, value addition of oil and its by-products is the newly emerging area, which needs due attention and offers wide possibilities for utilization of this valuable crop for preparation of a number of value added products. Rapeseed-mustard has a broad diversity of oil-types in addition to canola or high-oleic and low-linolenic cultivars. Moreover, it contains valuable phytochemicals such as tocopherols (Vitamin E) and phytosterols. Increase in concentration of such chemicals by breeding may lead to value-added edible oils. Besides, there is need to emphasize on the transfer of technology to the ultimate end users, which calls for development of IT-based decision support system and identification of innovative techniques for effective technology transfer.

Prof. K.P. Singh

Agricultural Officers' Workshop – Kharif Held



To finalize recommendations for the Kharif crops, the Directorate of Extension Education of the University organised Agricultural Officers' Workshop – Kharif from May 22-23. Nearly 400 scientists of the University and field officers of Department of Agriculture and Farmers Welfare, Haryana, participated in the Workshop. They deliberated on problems faced by the farmers in Kharif crops and chalked out a



strategy to increase crop production.

The Vice-Chancellor, Prof. K.P. Singh, who inaugurated the Workshop, called for conducting farmer centric researches. He appreciated the level of cooperation existing between varsity scientists and field officers of the State Agriculture and Farmers Welfare Department. He said that because of this cooperation Haryana could become the second largest producer of foodgrains after

Punjab. He revealed that to facilitate farmers, the University has made a new initiative by publishing separate Package of Practices of six major Kharif crops, which carry latest information about these crops.

Director of Research, Dr. S.K. Sethi, highlighted research achievements of last one year, while Director Extension Education, Dr. R.S. Hudda, presented report of OFT/FLD and extension activities.

Additional Director Extension, Agriculture and Farmers Welfare Department, Haryana, Dr. Suresh Gehlawat, threw light on production targets set for Kharif crops. He said that in order to popularize organic farming in the state, work has been started in 11 districts.

On this occasion, the Vice-Chancellor released books of Package of Practices of Kharif crops.

Annual Group Meeting On Sunflower, Sesame And Niger

Scientists, farmers and planners need to make joint efforts to increase production of oilseed crops, particularly sunflower, sesame and niger, said the Vice-Chancellor, Prof. K.P. Singh, while inaugurating a three-day Annual Group Meeting on Sunflower, Sesame and Niger, 2016-17 on April 20.

In the meet jointly organised by Oilseeds Section of the University and ICAR-Indian Institute of Oilseeds Research, Hyderabad, about 130 scientists from across the country participated.

The Vice-Chancellor said that the demand of edible oils has increased manifold in the country. While in 70s, India imported only 3% of its demand of edible oils which has now increased to 65%. To meet the domestic demand, the country has to spend huge foreign exchange on import of edible oils. In this scenario, increasing the production of oilseed crops has become imperative.

Dr. D.K. Yadav, ADG (Seeds), ICAR, New Delhi, who was Guest of Honour on the occasion, expressed concern on declining

production and area under sunflower, sesame and niger crops in India. He said this can be improved by developing hybrid varieties and new technologies.

Earlier, Dr. A. Vishnuvardhan Reddy, Director, IIOR, Hyderabad and Dr. K.R. Naik, Project Coordinator, presented annual report of sunflower and sesame and niger respectively. Dr. S.K. Sethi, Director

Research, Dr. K.S. Grewal, Dean, College of Agriculture and Dr. R.K. Sheoran, Head, Oilseeds Section also expressed their views.

On this occasion, the Chief Guest, Prof. K.P. Singh, released three bulletins one each on sunflower, sesame and raya published by Oilseeds Section of the University.



Annual Review Meeting Of Midh Programmes

Department of Vegetable Science of the University organised Annual Review Meeting of Mission for Integrated Development of Horticulture (MIDH) in association with Directorate of Arecanut and Spices Development, Kerala, from May 12-13. Dr. S.K. Malhotra, Commissioner (Agriculture & Horticulture), Govt. of India, was the Chief Guest on the occasion. Dr. M. Selvan, Additional Commissioner (Horticulture), Department of Agriculture, Cooperation & Farmers Welfare, graced the occasion as Guest of Honour.

Speaking on the occasion, Dr. Malhotra called for concerted efforts by agricultural scientists to double the income of farmers by 2022. He said that high value crops like spices can be very helpful to meet the goal and the scientists should make every effort to popularize their cultivation. He also emphasized on increasing productivity and ensuring quality planting material of spices crops to the farmers.

He inaugurated a website of Directorate of Arecanut & Spices Development prepared to give information to the farmers regarding quality planting material available at different agricultural universities and also released a book on Cultivation of Ginger published by



Indira Gandhi Agricultural University, Chhattisgarh.

Dr. Selvan expressed concern over the fall in share of Indian spices in world trade. He, however, appreciated the National Horticulture Mission due to which the area under spices crops has increased and several improved varieties have been developed.

Dr. Homey Cheriyan, Director, DASD, Kerala, revealed that due to success of the National Horticulture Mission its duration has been increased for three years. Earlier, Dr. S.K. Sethi, Director of Research,

welcomed the guests and the participants and Dr. K.S. Grewal, Dean, College of Agriculture, proposed a vote of thanks.

On this occasion, Dr. M. Selvan was felicitated in recognition of his outstanding contribution in the development of spice crops. An exhibition of different spices and vegetables was put up by the host Vegetable Science Department at the venue.

In this two-day meeting, about 70 scientists from all over the country participated and prepared an action plan of spices for the year 2017-18.

149 Students Qualify ICAR-NET



Students of the University have achieved a landmark success in the National Eligibility Test (NET) conducted by Indian Council of Agricultural Research (ICAR) as 149 of them have qualified this test held recently.

Besides this distinction, 79 students have also qualified Pre-Agricultural Research Scientist (ARS) Examination conducted by Agricultural Scientists Recruitment Board (ASRB). These students

shall now be eligible for the final examination to be held for the selection of Scientists in ICAR.

This is perhaps the first time that students of this University have qualified the prestigious exams in such a large

number in a single year. The successful students are of College of Agriculture, I.C. College of Home Science, College of Basic Sciences & Humanities and College of Agricultural Engineering & Technology.

"We have been able to qualify the exam because of the best teaching standards and infrastructure facility as well as peaceful environment of the University", observed the successful students.

Biofortified Pearl Millet Hybrid Developed

Pearl Millet hybrid HHB 299 (MH 2076) is the first biofortified (high iron and zinc) dual purpose hybrid with high grain and dry fodder yield potential developed jointly by CCSHAU and ICRISAT, Patancheru.

This hybrid has been identified for cultivation in Kharif season at the National level for all Pearl millet growing states of the country comprising Haryana, Rajasthan, Gujarat, Punjab, Delhi, Maharashtra and Tamil Nadu during 52nd Annual Workshop of All India Coordinated Research Project on Pearl Millet held at PAU, Ludhiana, from April 28-30, 2017.

Pearl Millet hybrid HHB 299 has iron and zinc content as high as 73 ppm and 41 ppm, respectively. On All India basis, its average grain yield is 32.74 q/ha and dry fodder yield is 73 q/ha. It matures in 81 days. It is resistant against downy mildew and other diseases as well as insect-pests.

International Yoga Day Celebrated



The University joined the world in celebration of 3rd International Yoga Day on June 21. To mark the occasion, a programme was organised on the campus in which varsity fraternity enthusiastically participated in large number and performed yoga exercises.

Prof. K.P. Singh, Vice-Chancellor, who led the Yoga Day celebration, said that it is a

matter of pride for all Indians that the entire world is celebrating Yoga Day today. He said that yoga is a complete science and key to live a healthy and peaceful life. Therefore, it should be performed by everyone. He also lauded Yog Rishi Swami Ram Dev for popularising yoga among masses.

Earlier, Dr. D.P. Nandal, Director of Students' Welfare, welcomed the participants

and expressed gratitude to the local Patanjali Yog Samiti for the cooperation.

On this occasion, Dr. Parveen Punia, Dean, College of Home Science and members of Mahila Patanjali Yog Samiti highlighted the importance of yoga and demonstrated various yoga exercises as per protocol prescribed by Ministry of AYUSH, Govt. of India.

An exhibition showcasing various yoga postures was also organised on the occasion.



Rao Bahadur Dr. Ram Dhan Singh Commemorated



By 2050, the demand of wheat in the country will rise to 140 million tonnes, for which the production of wheat need to increase 1.35 million tonne per annum. This was stated by Dr. I.S. Solanki, ADG, ICAR, while delivering memorial lecture organised by the University on the birth anniversary of Rao Bahadur Dr. Ram Dhan Singh, a noted Plant Breeder, on May 2.

He said that the country has recorded unprecedented growth in wheat production. Its yield, which was only 790 kg/ha in 1912-13 has increased to 3197 kg/ha in 2016-17. But in future, intensive efforts will need to be made as National productivity of wheat has to be increased to 46 q/ha to produce 140 million tonnes of wheat from the available land to feed the burgeoning population, he said.

Highlighting the challenges in the way of wheat production, he called upon the agricultural scientists to develop new wheat varieties which apart from heat tolerant and resistant against diseases and pests-insects, are also water use efficient by combining biotechnological tools with plant breeding techniques. He also emphasized the need to bridge the existing yield gap between the different zones of the country. Paying tributes to Dr. Ram Dhan Singh he said that the scientists and students should draw inspiration from this legendary scientist and work hard to contribute in providing food and nutritional security to the country.

Prof. K.P. Singh, Vice-Chancellor, in his presidential remarks said that with the increasing population, the number of vegetarians is also increasing in the country.

In such a scenario, increasing production of coarse cereals and pulses has become imperative to provide them food and nutritional security. Underlining the achievements of Dr. Ram Dhan Singh, as a plant breeder, he said that today India is a leading exporter of Basmati rice that has been developed from the Basmati 370 variety developed by Dr. Ram Dhan Singh. He said Dr. Ram Dhan Singh developed 25 improved varieties of wheat, rice, barley and pulses which resulted in unprecedented increase in food production in the Indian sub-continent. For ever lasting memory of this great scientist, a chair has been established in his name and a lecture series started in the University, he said.

On this occasion, Dr. R.K. Rana, former Head, Department of Plant Breeding, highlighted the contributions of Dr. Ram Dhan Singh in the green revolution, Dr. S.K. Sethi, Director of Research, presented research achievements of the Genetics & Plant Breeding Department of the University. He said that 173 improved varieties of 37 crops have been developed, out of which 63 varieties have been released for cultivation at National level and 92 varieties have been released for cultivation in Haryana state. Dean, College of Agriculture, Dr. K.S. Grewal, and Principal Scientist (Wheat), Dr. I.S. Panwar, also expressed their views on the occasion.

National Conference Of Agricultural Librarians And User Community



A three-day National Conference of Agricultural Librarians and User Community was organised by the Nehru Library of the University and Association of Agricultural Librarians and Documentalists of India (AALDI) from May 4-6. More than 100 Librarians of agricultural and other universities from across the country participated in the conference.

Additional Secretary, Department of Agriculture Research and Education and Secretary, ICAR, New Delhi, Mr. Chhabilendra Raoul inaugurated the conference while the Vice-Chancellor, Prof. K.P. Singh, presided over.

Speaking on this occasion, Mr. Chhabilendra Raoul highlighted the

importance of libraries in educational and research institutes. He said that in recent years the developments in information technology have given a new look to the libraries. Today, even a large amount of information is possible to be stored in small libraries. He called upon the Librarians to keep

themselves updated with latest developments in information technology. He also urged the teachers, scientists and students to make best use of libraries. He further said that ancient literature and rare manuscripts should be stored properly in libraries.

Prof. K.P. Singh in his presidential address said that although digitization is a major challenge for libraries, yet with this the management of libraries has become very easy. He said Librarians should explore the possibility of giving part-time employment to students in libraries,

checking plagiarism in publications and sharing e-books and e-journals with other libraries to save huge amount being spent on these.

Dr. M.B. Chetti, ADG (HRD), ICAR, who presided over the valedictory function expressed the need of providing enough funds to the libraries and appointment of regular Librarians for the progress of libraries. Dr. Saroj S. Jeet Singh, Chairperson of the Conference and Mr. Prem Singh, President, AALDI also spoke. In this conference, latest techniques of library and information management, agricultural knowledge management, electronic/digital/virtual library, future of library, citeometrics/bibliometrics etc. were discussed in detail.



University Forge Ties With Three Foreign Universities



The University has inked pacts with three universities of Japan and Scotland including Tokyo University of Agriculture, Japan, International University of Japan and James Hutton Institute of Scotland on April 19.

Under these agreements, the above said foreign universities will cooperate with CCSHAU in the fields of education and research in agriculture and allied sciences.

Prof. K.P. Singh, Vice-Chancellor, on behalf of CCSHAU and Dr. Takano and Dr. Kimio Kasse on behalf of the Tokyo University of Agriculture and International University of Japan respectively, signed the MoUs. Whereas with James Hutton Institute,

Dr. Ashwani Kumar, Director, Human Resource Management on behalf of CCSHAU and Dr. Sanjeev Kumar Sharma on behalf of James Hutton Institute signed the agreement.

Apart from undertaking collaborative research work, these agreements would pave the path for exchange of students and researchers of these universities, participation in scientific seminars and academic meetings and the exchange of academic information.

On this occasion, the Vice-Chancellor, Prof. K.P. Singh, said that CCSHAU has initiated the process of cooperating with the prestigious academic and research institutions within and outside the country to strengthen its academic and research pursuits. Highlighting priority areas of cooperation for CCSHAU, he said that under these MoUs we will proceed in the areas of mutual interest. Earlier, Dr. Samunder Singh, Incharge, International Desk at CCSHAU threw light on the background of these agreements.

Biometric Attendance System Installed



Adopting Biometric Attendance System, the University has set up Aadhaar Enabled Biometric Attendance System (AEBAS) machines in its Registrar Office, Comptroller Office and Campus School. The Vice-Chancellor, Prof. K.P. Singh, pressed these machines into service on May 6.

"We have made several initiatives towards digitization and setting up AEBAS machines is another step in this direction", said the Vice-Chancellor.

The AEBAS machines would be installed in all the buildings/offices including directorates, colleges, Nehru Library and outstations of the University in phased manner.

Workshop On Scientific/technical Writing



A two-day Workshop on Scientific/ Technical Writing was conducted by Nehru Library in collaboration with National Academy of Science India (NASI) from April 18-19. It was inaugurated by Prof. Manju Sharma, former Secretary, Department of Biotechnology, Govt. of India, while Prof. K.P. Singh, Vice-Chancellor, presided over the inaugural function.

Speaking on the occasion, Prof. Manju Sharma motivated the research scholars and young scientists to do fundamental research



and develop new patentable technology. She said this is important for career growth of the researchers. She urged the faculty to show path to their students so that they conduct fruitful researches.

Prof. K.P. Singh in his presidential remarks stressed on carrying out quality research and getting it published in high impact factor scientific journals. He highlighted the new initiatives taken at the University to encourage students for conducting good research work. He said the

services of NASI would be availed in future also to improve scientific and technical writing skills of the students.

Prof. Paramjeet Khurana, National Coordinator, NASI, Prof. U.C. Srivastava, General Secretary, NASI, Dr. Neeraj Kumar, Executive Secretary, NASI, Dr. Saroj S. Jeet Singh, University Librarian and Prof. Anupam Verma also spoke. Prof. Anupam Verma was presented B.P. Paul Memorial Award on the occasion. Nearly 200 Ph.D. students and young scientists participated in the workshop.

Workshop on Science Writing, e-Books and Publication Process

Science Forum of the University also organised a Workshop on Science Writing, e-Books and Publication Process for post-graduate students in association with Directorate of Knowledge Management, ICAR, New Delhi, on April 12.

Workshop On Intellectual Property Rights



University in filing patents of their researches and innovations. He said a legal company has also been hired by the University to assist in filing patents.

Dr. S.K. Sethi, Director of Research, expressed gratitude for the financial assistance given by DST, Govt. of Haryana, for this workshop.

Dr. Rachna Gulati, Coordinator of the workshop, revealed that as many as 13 researches and technologies have got patents out of a total of 53 patents filed by the University. Dr. B.K. Sahu, Deputy Manager, NRDC, New Delhi, Mr. Sameer Swaroop, Asstt. Controller (Patent & Design), Patent Office, New Delhi and Mr. Rajan and Mr. Satish Rana, Senior Associate, CIP LEGIT, Gurugram, also addressed the participants.

To create awareness about Intellectual Property Rights (IPR) issues in context of agricultural research and practices, Directorate of Research and BPD Unit & IPR Cell of DHRM in association with Department of Science & Technology (DST), Govt. of Haryana, organised one-day Workshop on IPR on May 6. About 100 scientists and research scholars of the University participated in the workshop.

The Vice-Chancellor, Prof. K.P. Singh, who inaugurated the workshop, emphasized the need of acquiring in-depth knowledge of IPR in the era of globalization. He said that very good research work has been conducted by the CCSHAU scientists and research scholars which needs to get patented. He called upon the participants to take full advantage of BPD Unit of the



New Bank Branch



Dena Bank has opened its branch on the University campus. With this, the number of banks in the University has grown to three. Earlier, branches of State Bank of India and Haryana Co-operative Bank were functioning here.

The Vice-Chancellor, Prof. K.P. Singh, inaugurated the Bank branch on May 6. He also reviewed the arrangements made for the convenience of the customers in the Bank. He hoped that opening of the new Bank branch would be very useful to the staff, pensioners and students of the University as well as the farming community. He presented a letter of appreciation to the Bank officials for opening the Bank branch in a short span of time.

On this occasion, Mr. Kuldeep Singh, Assistant General Manager, Dena Bank, assured to provide the best services to all the customers of the Bank.

Free Health Check Up Camp



The Campus Hospital organised a Free Health Check Up Camp on April 29. More than 330 staff members, retirees and their dependents as well as students of the University availed the services of specialist doctors in the camp.

This Health Check Up Camp which was organised in association with the local Sapra Multispecialty Hospital, was

inaugurated by the Registrar, Dr. M.S. Dahiya. Accompanied by Dr. R.S. Dalal, SMO, Campus Hospital and Dr. Tarun Sapra, Director, Sapra Multispecialty Hospital he took round of the camp. He said this kind of medical camps should be organised from time to time so that employees and students of the University can be able to get services of specialist doctors at their door step. He also called upon the staff to get their health check ups done regularly so that disease, if any, could be detected on time and appropriate treatment be initiated at the initial stage.

In the camp, check up was done for breast cancer, blood pressure, diabetes, obesity, heart disease and dental problem in addition to BMD test.

Admissions Attract Huge Rush

Like previous years, this year also, there has been a huge rush of candidates seeking admission in different UG and PG degree programmes of the University.

For B.Sc. (Hons.) Agriculture 4-year and B.Sc. (Hons.) Agriculture 6-year programmes as many as 13716 and 6007 candidates submitted applications, respectively. For M.Sc. Basic Science and M.Sc. Agriculture programmes, there were 697 and 402 candidates, respectively, who applied for admission.

The admission to all these courses was made on the basis of merit of candidates in the entrance test conducted by the University. However, admissions in B.Sc. (Hons.) Community Science 4-year programme and M.Sc. programme in I.C. College of Home Science were made on the basis of merit in qualifying examination.

Tributes Paid to Ch. Charan Singh



Former Prime Minister, Ch. Charan Singh, was paid tributes on his death anniversary on May 29. At a function held on the occasion, Dr. M.S. Dahiya, Registrar, was the Chief Guest. He garlanded the statue of the late leader.

Deans of the constituent colleges of the University, directors and other officers, faculty, staff and students also offered flowers on the statue.

World Environment Day



The University celebrated World Environment Day as Sawachhta Diwas on June 5. On this day, Sawachhta Pakhwara (sanitation fortnight) also began in the University.

The Vice-Chancellor, Prof. K.P. Singh, who inaugurated the sanitation campaign, called upon employees of the University to make their offices a zero waste discharge place. He said for this the use of digital

medium is a better option. This University has a distinct identity in cleanliness as well as greenery which should always be maintained. He said cleanliness not only improves the environment but also enhances efficiency of the work force. Hence every employee and student of the University should

cooperate in keeping the campus clean.

The sanitation campaign started from the administrative block, Fletcher Bhawan, followed by all colleges, directorates and other offices on the main campus as well as all outstation centres including KVKs, RRS and College of Agriculture, Bawal and Kaul. Sawachhta oath was also administered to employees and students on the occasion.

Placements

As many as 55 students of the University have got placement as Agricultural Officers. In the selection process conducted by Institute of Banking Personnel Selection, a total of 70 students had qualified the written examination out of which 55 students were selected as Agricultural Officers after interview. Besides, several other students

have also been placed in different agro companies.

The Vice-Chancellor, Prof. K.P. Singh, congratulated these students and wished them a bright future. He was also all praise for the faculty of the University for putting in the best efforts in guiding the students.

Participation In Conferences/workshops/trainings

- Dr. Surender S. Dhankhar, Department of Agricultural Meteorology, attended Brainstorming Meeting on Climate Change and Agriculture: Current Status and Way Forward at TNAU, Madurai, under Department of Science and Technology SPLICE and Climate Change Programme from April 21-22.
- Dr. Surender S. Dhankar, Department of Agricultural Meteorology, attended Review Meeting on Winter FOG Field Campaign 2015-17 at Indian Institute of Tropical Meteorology, Pune, under the Collaborative Research Project 'WIFEX' of CCSHAU, Hisar and IITM, Pune, on May 5.
- Dr. Anil Kumar, Prof. & Head, Department of Plant Pathology, chaired a session on Plant Protection in the Annual Group Meeting on Sunflower, Sesame and Niger held at CCSHAU, Hisar, from April 20-22.
- Dr. Rajesh Yadav, Assistant Professor, Department of Genetics & Plant Breeding, attended Annual Group Meet of AICRP on MULLaRP (Kharif crops) at GBPUAT, Pantnagar, from May 6-8.
- Dr. Yash Pal Solanki, Assistant Scientist (PB) and Dr. Tarun Verma, Assistant Scientist (Ento) attended Annual Group Meet of AICRP on Pigeonpea at Pusa Samastipur, Bihar, from May 19-21.
- Drs. S.S. Siwach, R.S. Sangwan, Omender Sangwan, Somveer Nimbai, Karmal Singh, K.K. Dahiya, Rakesh Chugh and Shiwani

Mandhanja, Cotton Section, attended AICCP Annual Group Meeting held at TNAU, Coimbatore, from April 8-10.

- Dr. Anil Kumar, Department of Agricultural Meteorology, attended and presented annual progress report of AICRPAM-NICRA at Dr. BSKKV, Dapoli, Maharashtra, from May 22-23.
- Drs. Surjeet Singh and Ashwani Kumar attended XIX Annual Workshop on AICRP Mushroom coupled with National Symposium on Mushroom: Trends and Innovations in Mushroom Science held at Directorate of Mushroom Research, Solan, from April 25-28.
- Dr. Kushal Raj, Department of Plant Pathology, attended 52nd Annual Group Meet of AICRP on Pearl millet at PAU, Ludhiana, from April 28-30.
- Drs. Ram Singh, Principal Scientist (Pl. Patho.) cum Regional Director, Khushi Ram, PS (GPB), Mangat Ram, Principal Scientist (Agro.) and Lakhi Ram, CF (Ento.) attended 52nd Annual Rice Group Meeting held at Assam Agricultural University, Jorhat, from April 8-11.
- Dr. Rashmi Tyagi, Assistant Professor, Department of Sociology, participated in 19th International Conference on Sociology and Criminology held in Paris, France, from June 25-26, organised by World Academy of Science Engineering and Technology. She presented paper on Impact of Crime on Women and their Families in Rural Areas of Haryana. The certificate was awarded for oral and technical

presentation, recognition and appreciation of research contributions to ICSE 2017.

- Drs. V.K. Batra, D.V.S. Duhan and Virender Singh, Department of Vegetable Science, attended XXXV Annual Group Meeting of All India Coordinated Vegetable Improvement Project held at IIHR, Bangalore, from June 24-27.
- Drs. Yogesh Jindal and D.S. Phogat attended National Group Meet on Forage Crops held at CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur, from April 18-19.
- Drs. N.K. Thakral, Satyawani Arya, Pummy Kumari, Satpal, Jayanti Tokas and Harish Kumar attended 47th Annual Group Meeting on Sorghum held at GKVK, Bengaluru, from April 22-24.
- Mr. Ravish Panchta and Mr. Satpal attended Annual Group Meeting of AICRP on MULLaRP and AINRP on Arid Legumes held at GBPUAT, Pantnagar, from May 6-8.
- Drs. Rekha and Anju Kumari, Centre for Food Science & Technology, attended Workshop on Scientific / Technical Writing at CCSHAU, Hisar, from April 18-19.
- Drs. Rekha and Anju Kumari (CFST), Drs. Kushal Raj (Plant Pathology), Vijaypal Panghal and D.V.S. Duhan (Vegetable Science), Dr. Pummy Kumari (Forage Section), Drs. R.S. Kanwar and Anil Kumar (Nematology) and Drs. P. Kharb, S. Yashveer and Neeru Redhu (MBBB) attended Training on Capacity Building in IPR organised by Directorate of Research and DHRM, CCSHAU, Hisar, on May 6.

News Briefs

College of Agriculture, Hisar

- New recommendations for management of nematodes were included in the Package of Practices. These are: Soil solarization by 2-3 deep summer ploughings in the month of May-June at 15 days interval followed by light irrigation and covering of soil with 25 micron transparent polythene sheet for 30 days during June-July for the management of root-knot nematodes (*Meloidogyne* spp.) in polyhouses; Soil application of *Trichoderma viride* @ 20g/m² mixed with Neem Cake/FYM/ Vermicompost @ 100g/m² in the beds for the management of root-knot nematodes (*Meloidogyne* spp.) in tomato grown under polyhouse conditions; Management of root-knot nematode *Meloidogyne* spp. in okra through soil application of *Trichoderma viride* @ 2.5 kg/ha at the time of sowing; and Management of root-knot nematode, *Meloidogyne* spp. in tomato by using neem cake @ 750 g per m² in nursery beds.
- The scientists of Vegetable Science Department and Horticulture Department attended Horticulture Officers' Workshop-2017 organised by Directorate of Extension Education, Maharana Partap Horticultural University at CCSRI, Karnal, on May 18.

- Department of Seed Science & Technology organised campaigns on Safe Seed Storage in May and June under RKVY project "Capacity Building of Haryana Farmers in Quality Seed Production and Testing". In the campaigns, metallic bins were distributed among the seed growing farmers of Haryana. The University vehicle carrying metallic bin was flag off by the Vice-Chancellor, Prof. K.P. Singh, on June 17. During the campaigns, the scientists viz. Drs. R.C. Punia, O.S. Dahiya, V.P.S. Sangwan, S.S. Jakher, V.S. Mor and Axay Bhuker suggested the tips of safe seed storage in group meetings/ Kisan goshtis and distributed the metallic bins (5 Qtls. capacity) to 256 farmers of 90 villages in 13 districts (Mohindergarh, Rewari, Bhiwani, Sonapat, Rohtak, Jind, Kaithal, Karnal, Panipat, Jhajjar, Kurukshetra, Fatehabad and Hisar).



- PG students Shahroon Khan, Hemant Saini, Suchismita Jena, Rinku Rani, Gulshan Yadav, Manpreet and Shashi Prakash of Department of Horticulture qualified NET exam.
- Department of Soil Science prepared spatial variable map of ground water quality in Mewat.
- Application of 8 kg K₂O (14 kg Muriate of Potash 60%) per acre in kharif mungbean at sowing time in low to medium K status soil has been recommended and included in Package of Practices.
- Department of Soil Science organised Soil Testing Campaign cum Soil Health Week in village Khokha, Hisar, in collaboration with IFFCO on May 29. On this occasion, Dr. B.S. Duhan, Consultant Faculty, delivered a lecture highlighting importance of soil and water testing, reclamation of problematic soils, role of organic manures in maintaining soil



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health and crop productivity, balanced use of fertilizers in crops and safe and judicious use of brackish water. Dr. M.S. Grewal, Consultant Faculty, also delivered lecture on maintaining soil health especially on soil fauna and flora, use of organic manures and green manuring. He also explained that burning of crop stubbles results in decrease in population of soil micro and macro organisms. About 40 farmers participated in the programme and 150 soil samples were collected for testing.

- Department of Agricultural Economics organised a training on online data uploading in format: 2.0 for Agricultural Inspectors of cost of cultivation scheme from June 27-30.

- Mr. Sanjay Bhyan, Mr. Parveen Kumar and Ms. Sunita, Ph.D. students, Department of Agricultural Economics, have qualified ICAR NET exam.

- Pearl Millet hybrid HHB 272 (MH 1837) notified for cultivation in dry areas of Haryana, Rajasthan and Gujarat states has been included in the Package of Practices of the University on the recommendation of Agricultural Officers' Workshop-Kharif 2017 held from May 22-23.

- A proposal of American cotton variety H 1465 suitable for high planting density system and American cotton hybrid HHH 494 with higher seed cotton yield has been submitted to Central Variety Identification Committee for their identification and release in the Annual Group Meeting held at TNAU, Coimbatore, from April 8-10.

- Ms. Amandeep Kaur, Ph.D. student, Department of Agronomy has been awarded the prestigious Maulana Azad National Fellowship by UGC for conducting research for her Ph.D. programme. The award includes an amount of Rs. 25000/- for first two years and Rs. 28000/- per month from third year onward plus contingency. She will work on Herbicide resistance in wild oat (*Avena ludoviciana* Dur.) and its management in wheat (*Triticum aestivum* L.), under the supervision of Dr. Samunder Singh, Principal Scientist, Department of Agronomy.

- Release proposals of rice varieties viz. Haryana Basmati 2 and HKR 128 as well as sugarcane variety CoH 160 have been submitted to State Variety Release Committee.

- Three inter-institutional hybrids (QPM version of HM 4, HM 8 and HM 9) developed by CCSHAU in collaboration with IARI, New Delhi, have been identified during Diamond Jubilee Workshop held at MPUAT, Udaipur, from April 2-4.

- Fababean variety HFB 1 has been recommended for inclusion in the Package of Practices.

- Five normal maize hybrids viz. HM 4, HM 8, HM 9, HM 10 and HM 11 of the University have been converted into QPM in collaboration with IARI, New Delhi.

- Regional Research Station, Karnal, has been awarded Certificate of Appreciation by ICAR for commercializing technologies through MoUs with private seed enterprises and registration of maize hybrids HQPM 4 and HM 12.

- Dr. Ram Singh, Principal Scientist, Plant Pathology Department, delivered lectures on judicious use of pesticides to minimize residue and disease management in Basmati rice in Workshop on Quality Improvement in Production of Basmati Rice for Export, organised by Basmati Export Development Foundation in co-ordination with ICAR-ATARI at NDRI, Karnal, on June 6 and at KVK, Panipat, on June 8. He also delivered lecture on safe use of Tricyclazole in management of blast disease in rice at Sirsa and Ellenabad on June 30.

College of Basic Sciences & Humanities

- Dr. Virendra K. Sikka joined as Emeritus Scientist in ICAR's ADG Edu. Scheme entitled: "Development of Promiscuous and Efficient Rhizobia having Wider Host Range".

- Dr. Rakesh Kumar, Assistant Scientist, Dr. Kamla Malik, Assistant Scientist and Ph.D. students namely Anju Sehrawat, Swati Sindhu, Jeniffer, Dhinu Yadav, Ruchi Sharma, Kuldeep, Suman Chaudhary and Kavita, Department of Microbiology, attended Workshop on Scientific and Technical Writing organised by Nehru Library, CCSHAU, Hisar, from April 18-19.

- Dr. Seema Sangwan, Assistant Professor and Ph.D. students namely Anju Sehrawat, Ruchi Sharma and Anupma Dahiya, Department of Microbiology, attended Workshop on Capacity Building on IPR organised by Directorate of Research and DHRM, CCSHAU, Hisar, on May 6.

- PG students Mr. Pankaj Sharma, Mr. Satish and Ms. Anupma Dahiya, Department of Microbiology, qualified ARS NET 2017 and Ms. Swati Sandhu, Mr. Hemanta K. Mondal and Ms. Suman Chaudhary, qualified ARS (Preliminary) – 2016.

- Ms. Suman Chaudhary and Ms. Rinku Dhankar, Ph.D. students, Department of Microbiology, presented paper in 19th International Conference on Sustainable Agriculture, Environment and Forestry held in London, UK, from June 28-29.

- Department of Sociology organised an Inter College/School competition on Essay



Writing, Kavita Path, Poster Making and Slogan Writing as well as an invited talk on the occasion of 126th Birth Anniversary of Bharat Ratan Dr. B.R. Ambedkar on April 10 and 12. Mr. M.L. Goyal, Principal, Govt. PG College, Hisar, was the key-note speaker who delivered lecture on Upliftment of Weaker Sections and Philosophy of Dr. Ambedkar. The Vice-Chancellor, Prof. K.P. Singh was the Chief Guest on this occasion.

- Dr. Urmil Verma, Principal Scientist (Statistics), Department of Math., Stat. & Phy., has been awarded INSA DFG Fellowship under International Collaboration/ Bilateral Exchange Programme 2017. She proceeded to Germany to avail this Fellowship from May 21 – August 16.

- Department of Microbiology produced a total of 3978 biofertilizer vials (50 ml) including Azoteeka (970), Phosphoteeka (1948), Rhizoteeka (960) and Bioteeka (100) and sold these to farmers and farm agencies from April-June.

- Ms. Poonam Kumari, Ms. Priyanka Mathur, Mr. Manohar Lal and Mr. Ajeev Kumar, Ph.D. students and Mr. Biswabiplab Singh and Ms. Pooja Ahlawat, M.Sc. students, Department of Botany & Plant Physiology, have qualified NET whereas Ms. Suman Bala, Ms. Savita Duhan and Ms. Sunita, Ph.D. students and Mr. Biswabiplab Singh, M.Sc. student of this department have qualified ARS.

- Mr. Sumit Jangra and Ms. Rekha Patel, Ph.D. students, Department of MBBS, attended National Conference on Food Processing India at GJUST, Hisar, from March 3-4.

- Ms. Vrantika Chaudhary, Ph.D. student, Department of MBBS, attended National Conference on Functional Materials: State of Art, at Sharda University, Greater Noida, from March 31 – April 1.

- Mr. Sumit Jangra, Ms. Vrantika Chaudhary, Ms. Rakshita Singh, Ms. Rizvana, Ms. Neha, Ms. Preeti and Ms. Sonali, Ph.D. students and Ms. Kritika Sharma, M.Sc. student, Department of MBBS, attended Workshop on Scientific/ Technical Writing at CCSHAU, Hisar, from April 18-19.

- Mr. Sumit Jangra, Ms. Vrantika Chaudhary, Ms. Rakshita Singh, Ms. Neha, Ms. Preeti, Ms. Rizvana Rehsawla, Ms. Disha Kamboj, Bhoyar Pratik Istari, Ms. Priti Saini, Mr. Ravi Mehndiratta, Ms. Aditi, Mr. Amit Pippal, Mr. Rahul Kumar Meena and Mr. Mahavir, Ph.D. students and Ms. Kritika Sharma and Ms. Varsha, M.Sc. students, Department of MBBS, attended Knowledge Workshop on Scientific Writing, e-Books and Publication Process at CCSHAU, Hisar, on April 12.

- Ms. Disha Kamboj, Ms. Aditi, Ms. Priti Saini, Mr. Sumit Jangra, Bhyar Pratik Istari, Mr. Ravi Mehndiratta, Mr. Amit Pippal, Mr. Rahul Kumar Meena, Mr. Mahavir and Ms. Rakshita Singh, Ph.D. students, Department of MBBS attended Seminar on Surface Plasma Resonance and its Applications at CCSHAU, Hisar, on April 27.

- Following M.Sc. students of Centre of Food Science & Technology, got placements: Mr. Rahul (Pharmacist, Govt. of Haryana); Mr. Sachin (Quality Trainee, R.K. Cork, Varun Beverage Ltd., Hisar); Mr. Sumit Kumar (Head Constable, Haryana Police); and Ms. Monika (Assistant Incharge, Production, U.B. Foods Pvt. Ltd., Manesar).

- Mango products samples developed by CFST were displayed in 29th Mango Festival 2017 at Dilli Haat organised by Delhi Tourism &

News Briefs

Transportation Development Corporation Ltd. from June 30.

I.C. College of Home Science

- Faculty, staff and students of the college conducted cleanliness drive under Swachhta Pakhwara from June 5-20 during which deep cleaning of labs, corridors, lecture rooms, notice boards, window panes, toilets, stairs and roof was carried out in all the departments. Lawns were also properly cleaned and mowing of grass and bushes was done in collaboration with Landscape Unit. During the campaign all broken furniture was removed. Old files/records were rearranged and fruit and shady trees saplings were distributed to staff and faculty members of the college and residents of New Campus for plantation. Besides, pamphlets were also distributed to create awareness about clean and green environment.

- Department of HDFS under All India Coordinated Research Project conducted group counselling session and campaign on gender sensitization through role play for parents and academically backward youth in Parent Teacher Meeting held in Government Senior Secondary School, Kalwas village on April 11.

- Dr. Sudesh Jood and Dr. Sangeeta C. Sindhu, Department of Foods & Nutrition, imparted training on protein and fibre rich recipes to the rural ladies of Jagdishpura village, distt. Sonipat and Dahr village, distt. Panipat under State research scheme on May 1.

- Department of HDFS organised a workshop on issues related with old age at Moksha Vridh Ashram, Hisar on May 3. Forty elderly persons and PG students of HDFS Department participated in this workshop. Lectures were delivered by Dr. Chandra Kala Singh on health problems of elderly, elderly abuse, mental health, stress management and various Government policies and programmes for the welfare of elderly. Various activities were also organised for their physical and mental health.

- Drs. Sheela Sangwan, Chandra Kala Singh, Bimla Dhanda and Santosh Sangwan of Department of HDFS imparted three-day training on soft toy making to ladies of Hisar city, organised by SNIATTE, CCSHAU, Hisar, from June 20-22.

- Two skill acquisition trainings of five days duration were organised from May 23-27 and June 2-7 by Dr. Neelam M. Rose to impart technical know-how of digital embroidery using the developed e-module for 30 respondents comprising perspective entrepreneurs and PG students of the College of Home Science having knowledge of CAD software. Impact of trainings was assessed by gathering pre- and post-knowledge and skill acquisition of trainees using self-structured interview schedule. Attitude of trainees

regarding digital embroidery and training was also studied.

- Under All India Coordinated Research Project, Dr. Saroj Yadav, Department of TAD, conducted wear trials of the foot covers developed for workers engaged in rice transplantation in Darbi village of Sirsa district to assess the suitability and acceptability among workers engaged in rice transplantation, from June 23-30.

Directorate of Human Resource Management

- BPD Unit & IPR Cell of the Directorate organised one-day Workshop on Capacity Building on IPR in collaboration with Haryana State Council for Science and Technology, for research scholars and faculty of the University.

- The University signed an MoU with Haryana Institute of Rural Development, Nilokheri, Karnal,



on April 24 for a three-month Certificate Course on Panchayati Raj and Rural Development for establishing a framework to educate elected officials of Panchayati Raj Institutions, Gram Sachivs and prospective Panchayati Raj Leaders of Haryana State about the philosophy and system of Panchayati Raj and Rural Development Programme. Dean, College of Basic Sciences & Humanities, Dr. Saleem Siddiqui and Director, HIRD, Mr. Mandeep Singh Brar, signed the MoU.

- Manpower Assessment Cell of the Directorate, HRM has published Faculty Profile- 2017. It was released by Mr. Chhabilendra Roul, Additional Secretary, DARE and Secretary, ICAR on May 4.

Directorate of Students' Welfare

- Students Counselling & Placement Cell in the Directorate organised following professional and skill development training programmes for University students during April-June, 2017: Advance Computer Training for general category students from March 21-April 20; Advance Computer Training for SC/ST students from April 1-May 1; Statistical Data Analysis for Research Scholar in Computer Centre, COBS&H from April 20-29; and ICAR-JRF (PGS) Exams. in Agriculture from May 20-29.



- Students Counselling & Placement Cell organised motivational lectures on Employability and Enrichment for College of Agriculture Engineering & Technology and College of Home Science students on April 24. Besides, it also conducted expert lectures on Opportunities in Agri-Input Industry by Mr. R.K. Goyal, Business Director, South Asia, Cytoyme Lab and Career Counselling Session by Mr. Yuvraj Munish, Director, Agri Career, New Delhi.

- A Newsletter containing information on jobs, examinations, trainings, admissions, conferences and other relevant information/resources for University students is being compiled and issued on monthly basis (three in number) during April to June, 2017 by Students' Counselling & Placement Cell. The digital copy of career bulletin has been made available online for real time dissemination of information among students' community and other stake holders in the University and elsewhere.

- Taking cue from Digital India drive, the Students' Counselling & Placement Cell has devised a dedicated web portal. The web portal is excellent source of relevant information related to career opportunities for the students. The portal has been widely acclaimed and visited by 39366 online visitors since its launch in January, 2015.

- Mountaineering Club organised a high altitude trekking to Kalihani Pass of H.P. from June 17-28. Twenty students of the Club participated along with president of the Club, Dr. Mukesh Kumar and Advisor, Dr. Subhash Chander. The group started the expedition from Manali village and climbed upto Kalihani Pass (15500 feet).



- The Directorate organised A.L. Fletcher Memorial Inter Hostel Volleyball Championship in the month of April. It was won by Shivalik Hostel.

SNIATTE

- Saina Nehwal Institute of Agricultural Technology Training & Education (SNIATTE) organised a total of 16 trainings on different aspects of agriculture in collaboration with different departments of the University on fruit and vegetable preservation, embellishment, soft toy, organic seed production, green manuring and composting, training & visit, bee keeping and mushroom production during April-June. About 585 participants were benefited from these trainings. Nine exposure visits of farming community from different states were also conducted by the Institute.

Retirements

The following faculty and staff members of the University retired on attaining the age of superannuation during April-June, 2017:

Retirements on 30th April, 2017

S. No.	Name	Designation	Department
1	Dr. O.P. Dudi	Principal Scientist	Horticulture Department
2	Dr. J.S. Hooda	Principal Scientist (CPF)	Genetics & Plant Breeding Department
3	Dr. Surat Singh Garkh	Principal Scientist	Regional Research Station, Karnal
4	Dr. Shyam Sunder	Regional Director	Regional Research Station, Kaul
5	Mrs. Satwanti	Personal Assistant	Directorate of Human Resource Management
6	Mr. Parveen Kumar	Laboratory Technician	Human Development & Family Studies Department
7	Mr. Saroop Singh	Beldar	Plant Pathology Department
8	Mr. Satbir Singh	Laboratory Attendant	Entomology Department
9	Mr. Balbir Singh	Plant Observer	Forage Section
10	Mrs. Kamla	Beldar	Landscape Unit
11	Mr. Raghubir Singh	Beldar	Landscape Unit
12	Mr. Umed Singh	Beldar	Regional Research Station, Bawal

Retirements on 31st May, 2017

13	Dr. Ram Singh	Professor	Entomology Department
14	Dr. Diwan Singh	Associate Director (Nematology)	Directorate of Extension Education
15	Dr. B.S. Mehla	Professor (G&PB)	College of Agriculture, Kaul
16	Dr. Shashi Madan	Principal Scientist	Genetics & Plant Breeding Department
17	Dr. Kuldeep Kumar	Principal Scientist	Agricultural Economics Department
18	Mrs. Rakesh Bala	Deputy Superintendent	Directorate of Research
19	Mr. Pardeep Sharma	Pharmacist	College of Agriculture, Kaul
20	Mr. S.P. Singh	Technical Assistant	Seed Science & Technology Department
21	Mr. Bir Singh	Library Assistant	Nehru Library
22	Mrs. Usha Rani	Laboratory Assistant	College of Agriculture, Kaul
23	Mr. Rakesh Kumar	Laboratory Technician	Processing & Food Engineering Department
24	Mr. Gurender Singh	Laboratory Technician	Forestry Department
25	Mr. Devi Lal	Clerk	Processing & Food Engineering Department
26	Mrs. Savita	Daftri	Registrar Office
27	Mr. Ajit Singh	GO-cum-Daftri	Genetics & Plant Breeding Department

Retirements on 30th June, 2017

28	Dr. Savita Vermani	Professor	Sociology Department
29	Dr. Krishna Khambra	Professor	Textiles & Apparel Designing Department
30	Mr. Gurjant	Assistant	Extension Education Institute, Nilokheri
31	Mr. Sham Lal	Electrician-cum-Plumber	Executive Engineer (E)
32	Mr. Rattan Singh	Agriculture Inspector	Agricultural Economics Department
33	Mr. Ishwar	Mason	Executive Engineer (C-II)
34	Mr. Rohtash Singh	Laboratory Attendant	College of Basic Sciences & Humanities
35	Mr. Gugan Ram	Care Taker	Associate Director Training
36	Mrs. Basanti	Beldar	Krishi Vigyan Kendra, Bawal
37	Mr. Sheonath	Beldar	EO-cum-SE

आयोजन लेडीज क्लब द्वारा महिलाओं के लिए स्ट्रेस मैनेजमेंट विषय पर कार्यक्रम

‘सकारात्मक सोच स्ट्रेस से बचाती है’

Scotland universities



cultural University Vice-Chancellor KP Singh and Dr Oshio Ishimaro of Tokyo Agriculture, Japan, hold MolIs in Hisar on Wednesday. TRIBUNE PHOTO



cultural University Vice-Chancellor KP Singh and Dr Oshio Ishimaro of Tokyo
griculture, Japan, hold MoUs in Hisar on Wednesday. TRIBUNE PHOTO

SERVICE

allied sciences.

Prof KP Singh, Vice Chancellor, signed the MoUs with Dr Takano and Dr K. Kassee on behalf of

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Dr Singh
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उम्र के हर पड़ाव पर कुछ न कुछ देना चाहते हैं, चाहे मानसिक हो या शारीरिक। ऐसे में महिलाओं को सकारात्मक सोच रखनी चाहिए ताकि हर परिस्थिति का वे मुकाबला आसानी से कर सकें।

कार्यक्रम में अग्रोहा मेडिकल कॉलेज के मनोरोग विशेषज्ञ डॉ. अजय मल्होत्रा मुख्य वक्ता थे। उन्होंने भारतीय महिलाओं में महसूस किए जाने वाले तनाव, उनकी

महिलाओं को संबोधित करते हुए मुख्य अतिथि डॉ. संदेश सिंह। © जावड़ा

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प्रयत्न करें वैज्ञानिक : डॉ. मल्होत्रा

मान कल्याण आयुक्त डॉ. कि 80 के र में भारतीय त हिस्सा था ह 6 प्रतिशत हा इसके लिए नी उत्पादकता वश्यकता है। एवं मसाले के निदेशक विविधालय के ए. एसके सेठी, क डॉ. डीपी के डीन डॉ. नय अधिकारी

एचएएम में बागवानी विकास मिशन का वार्षिक बैठक में उपस्थित कैलातिक

Feedback 

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University



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NEWSLETTER

Chaudhary Charan Singh Haryana Agricultural University

From Vice-Chancellor's Desk

Now a days due to increase in awareness and health consciousness, people are increasingly looking for organic food, which is considered safe and nutritious. Moreover, organic foods bring more lucrative and remunerative results. India has organic nutrient resources like livestock, water, crop residue, aquatic weeds, forest litter, urban, rural solid wastes and by-products of agro industries in abundance. Thus the country has tremendous scope for organic farming as it has local market potential for organic products. Therefore, organic farming is the best alternative for production of food commodities to serve the society.

Organic farming treats the soil as a living entity to support the plants in an eco-friendly manner and maintains soil's biological diversity and productivity on sustainable basis. This is a production system in which all agricultural products involving grains, vegetables, meat, dairy, eggs and fibres such as cotton, flowers and processed food are produced organically. Since organic farming involves the use of organic sources for plant nutrition i.e. farm yard manure (FYM), vermincompost, rice straw compost, green manuring, crop residues incorporation and need based applications of natural minerals like rock phosphate and gypsum as soil amendments etc, this is a method of farming that works at grass root level preserving the reproductive and regenerative capacity of the soil, good plant nutrition and sound soil management, which produces nutritious food rich in vitality having resistance against diseases.

Organic farming improves soil health in a sustainable manner and enhances the nutritive value of products. Due to non use of health harming chemicals such as fertilizers and pesticides, the products are poison free and taste better as compared to conventional products. The shelf life of organic products is more because of no or less infestation of diseases and pests. Organic farming system is more profitable due to reduction in cost of cultivation. Moreover, the ultimate consumers are willing to pay more prices for healthy/organic products. Therefore, adoption of the organic farming could be beneficial tool for doubling farmers' income by 2022 to make the dream of our Hon'ble Prime Minister, Sh. Narendra Modi come true.

Keeping these aspects in view, an organic farming centre named as Deendayal Upadhyay Centre of Excellence for Organic Farming has been set up at CCSHAU. This Centre, which is perhaps first of its kind in the country, will popularize organic farming in the Haryana State. This Centre is spread over 139 acres of land. Here farmers will be trained in organic farming as incubatee and will be extended scientific information on organic farming, marketing, storage and post harvest technology. This Centre will be linked to University dairy where cow dung, cow urine and agriculture waste after converting into customized fertilizers through modern bio-compost and bio-energy units, will be used on organic farm. The organic products of this Centre will be directly sold in the market of Delhi and NCR. In due course, the recommendations regarding organic farming will be prepared and given to the farmers who will be benefitted from their adoption on the farm. In this Centre, which will be run on 'No Profit No Loss' basis, a custom hire centre will be run by the University students, who will also impart training to the farmers about the use of advanced equipments and their commercialization.



Prof. K.P. Singh

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Adopt Organic And Cattle Farming : Acharya Devvrat



Acharya Devvrat, Hon'ble Governor of Himachal Pradesh, called upon the farmers to adopt organic farming and cattle farming for prosperity. This practice will also protect the environment which is getting polluted due to indiscriminate use of pesticides and other agro-chemicals in agriculture.

Hon'ble Governor who was addressing the farmers after inaugurating two-day Krishi Mela (Rabi) at the University on September 18, said that the consumption of foodgrains, fruits and vegetables grown in the poisonous environment is causing serious diseases like cancer, heart attack and diabetes in human beings.

Acharya Devvrat who has done a pioneer work in organic farming and improvement of local breed of cow said that the farmers have the illusion that organic natural farming gives low yield whereas in fact it is not so. Organic farming improves the quality of land and reduces cost of cultivation which results in more profit to the farmers. He said one cow is enough to raise crops on 30 acres of land without use of chemical fertilizers.

He said the indiscriminate use of toxic chemicals in agriculture has also impacted the population of earthworms in the fields. Cow dung has the ability to attract the earthworms which make the

soils porous for healthy growth of the crop plants. He said he has been practising organic farming in Gurukul, Kurukshetra since last four years and has noticed very encouraging results. It has not only converted the barren land into fertile land but also resulted in 80 q/acre yield of paddy and 450 q/acre yield of sugarcane.

He lauded the efforts of CCSHAU for starting the work on organic natural farming. It has developed a very promising animal based integrated farming system model which the farmers should adopt.

The Vice-Chancellor, Prof. K.P. Singh, said that inspired by Gurukul, Kurukshetra, the University has set up Deen Dayal Upadhya Centre of Excellence for Organic Farming. This Centre will promote organic farming among farmers of the state by providing

them technical know-how through practical trainings and demonstration.

The Vice-Chancellor urged the farmers to use mobile phones and internet to

get all timely information regarding agriculture. He revealed that the University has been planning to launch a Mobile App and Agro Tourism Centre shortly.

Dr. R.S. Hudda, Director Extension Education, highlighted various extension activities being carried out for dissemination of agricultural technology among the farmers.

Governor Honours Farmers

On this occasion, Hon'ble Governor honoured 18 farmers of the state who have done remarkable work in organic farming, food processing, integrated nutrient management and vermi-composting.

Over 60 K Farmers Attended Krishi Mela

The theme of the Krishi Mela was Organic Farming for Sustainable Agriculture Production. Over 60 thousand farmers from Haryana and adjoining states of Punjab, Rajasthan, Delhi and U.P. attended the Mela and acquainted themselves with the latest techniques of farming particularly organic farming. They also purchased improved seeds worth Rs. 1.08 crore of ensuing Rabi season crops and vegetables from the seed sale counter set up at the Mela venue in collaboration with various government seed agencies including Haryana Seed Development Corporation, Regional Fodder Station, Hisar and National Seed Corporation. An Agro-Industrial Exhibition was also put up on the occasion, which was a major attraction for the farmers.



Sardar Patel Outstanding ICAR Institution Award To CCSHAU



CCSHAU has repeated history again by winning Outstanding Institution Award at the National level. This time it has been bestowed upon Sardar Patel Outstanding Indian Council of Agricultural Research (ICAR) Institution Award-2016 in recognition of its landmark achievements in teaching, research and extension.

Union Agriculture and Farmers Welfare Minister, Mr. Radha Mohan Singh, presented this award to CCSHAU Vice-Chancellor, Prof. K.P. Singh, at the award function organised on the

occasion of foundation day of the ICAR in New Delhi on July 16. In the award, Prof. Singh was presented a cheque of Rs. 10 lakh, a medal and a plaque.

This award is a matter of pride and happiness for the Haryana state and faculty, staff and students of this University. This is the second occasion when the ICAR had recognised the work of this University. Earlier, in 1997, it was conferred upon the Best Institution Award-1996.

Prof. Singh said that this University

is fully devoted to the farmers and will thrive for their welfare in future also by developing new farm technologies. At the moment our priority is to double the income of farmers by the year 2022.

He further said that the amount received in the above Award would be utilized to enhance knowledge and sharpen skills of University faculty and students so that they could contribute significantly to agriculture development of the country, in general, and Haryana state, in particular.

Mustard Variety RH 725 Identified



The University has developed a new variety of mustard RH 725 for timely sown condition in rainfed areas.

This variety has been identified for release in Zone-II of the country comprising the states of Haryana, Punjab, Jammu, Delhi and North Rajasthan by the Varietal Identification Committee of the ICAR headed by Dr. S.K. Chaturvedi, ADG (Oilseeds &

Pulses) in a meeting held at Rajasthan Agricultural Research Institute, Jaipur, from August 3-5.

Due to high yield, this variety will play a pivotal role in improving the livelihood and economic well being of the farming community and will also cover large acreage among the existing varieties of mustard in this zone of the country.

The variety RH 725 of mustard has been developed by a team of scientists of the University comprising Drs. Dhiraj Singh, Naresh Thakral, Ram Avtar, R.K. Sheoran, Yashpal Yadav, P.K. Verma, Ashok Chhabra and Subhash Chander with the cooperation of Drs. Ajit Rath, Suresh Kumar, Sunita

Yadav, Nisha Kumari, Anita Kumari and Manmohan.

Variety RH 725 possesses 22.6% yield advantage over the existing high yielding varieties owing to its long and thick siliques which accommodate more number of seeds per silique. It also gives average yield of 25-26 q/ha in 136-143 days. Since its seeds are bold, they possess oil content as high as 40 %

The Oilseeds Section of the University has earned the distinction as an Outstanding Research Centre for oilseeds. So far, 12 improved varieties of mustard have been developed here, out of which many are being grown in other states also, besides Haryana..

Himachal Governor Inaugurates IFS Model Unit



The new unit of Integrated Farming System Model set up at Agronomy Research Farm of the University, was inaugurated by Acharya Devvrat, Hon'ble Governor of Himachal Pradesh, on September 18.

After inauguration, the Hon'ble Governor accompanied by the Vice-Chancellor, Prof. K.P. Singh, had a round of all the enterprises like biogas plant, vermicompost production unit, animal

unit, kitchen gardening, quality FYM production and horticultural unit. He was apprised about management of all the ongoing enterprises and their economic benefits which are of high value to the farmers. Hon'ble Governor emphasized on rearing of indigenous earth worms and cows for organic farming. He was of the view that under small land holdings such type of models should be developed for increasing the income of the farmers.

Dean, College of Agriculture, Director of Research, Head, Department of Agronomy, and scientists of the IFS project were among those present on the occasion.

Take Up Tree Plantation As Social Drive : VC



In a move to increase green cover, Vanmahotsav was organised in the University. The Vice-Chancellor, Prof. K.P. Singh, inaugurated the programme simultaneously in the premises of office of Dean, Postgraduate Studies and College of Agriculture by planting saplings of Gulmohar and Ashok trees, respectively, on August 17.

He emphasised on increasing forest cover to check climate change. He said that since carbon dioxide is the major constituent of greenhouse gases and contributor to climate change, the trees convert it into clean oxygen and

release in the atmosphere. He said that tree plantation should be taken up as a social drive and every citizen should contribute in it.

On this occasion, on the pattern of One Student-One Tree, 170

saplings in the premises of Dean, Postgraduate Studies and 200 saplings in the College of Agriculture, were planted by the students.

College of Agricultural Engineering & Technology also joined the campaign by planting 50 saplings in its premises on August 21. The students pledged to take care of the saplings till they are in the University.

Dr. S.K. Sehrawat, Controlling Officer, Landscape Unit, said that the saplings of indigenous species of multipurpose trees will be planted in the campus in the phased manner.

Oat Variety Identified For Release In Hill Zone

A new variety of Oat – Central Oats OS 424 developed at the University, has been identified for release in the hill zone of the country. This variety is better in yield and nutritional quality. The Varietal Identification Committee of the ICAR has identified this variety for cultivation in the states of Himachal Pradesh, Jammu & Kashmir and Uttarakhand.

The variety OS 424 is a single cut variety suitable for cultivation under irrigated and timely sown condition. It gives 296 q/ha green fodder yield which is 15.8% and 15.6% more than the National checks Kent (256 q/ha) and OS 6 (256.4 q/ha), respectively, in the hill zone. It also showed superiority of 12.5% green fodder yield over the zonal check variety SKO 90 (263.6 q/ha).

As far as the dry matter yield is concerned, variety OS 424 (65.1 q/ha) out yielded the best National checks Kent (55.3 q/ha) by 17.6% and OS 6 (55.9 q/ha) by 16.4%, and the zonal check SKO 90 (58.3 q/ha) by 11.7%. Besides, this variety has better nutritional qualities possessing 9% of crude protein and capable of giving 13.5 q/ha seed yield.

It may be mentioned that variety OS 424 has been developed by a team of scientists of Forage Section of the University which comprises Drs. R.N. Arora, D.S. Phogat, Yogesh Jindal and N.K. Thakral in collaboration with Drs. R.S. Sheoran, Anil Gupta and U.N. Joshi.

Best Centre Award

In the National Group Meet of the All India Co-ordinated Project on Forage Crops & Utilization held at University of Agricultural Sciences, Bengaluru, from September 4-5, the Forage Section of the University was appreciated for its outstanding performance in forage resource development and its scientists were presented a certificate of appreciation.

Agriculture Minister, Mr. O.P. Dhankar Inaugurates Certificate Course on Panchayati Raj

Agriculture, Development and Panchayat Minister, Mr. O.P. Dhankar, said that the representatives of Panchayati Raj institutions will be empowered by giving them technical knowledge regarding the implementation of government schemes. He said public representatives are required to be trained about their rights and duties so that they can do their work with confidence. Mr. Dhankar said this while inaugurating a three-month Certificate Course on Panchayati Raj and Rural Development organised by Department of Sociology of the University, on September 8.

Highlighting the importance of this course, he said that its main objective is to enable the village level government to know its rights and duties. With this they will be able to implement development projects properly. It is also important for the Panchayati Raj representatives to have detailed information of various schemes and develop a better rapport with the officials of the concerned departments.

He called upon the Panchayati Raj representatives to have the knowledge regarding administrative and financial management methods to work efficiently. To be successful, they should also do a complete homework related to a development work before visiting officer of the concerned department. He said there are many social welfare works including tree plantation, Beti Bachao - Beti Padhao, motivating parents to send their children to school, making the village crime free, improving governance in panchayats etc. which need no budget but have a positive impact on rural development. Panchayati Raj representatives should undertake such work.

The Minister hoped that this course will not only acquaint the participants about their rights and duties under



Panchayati Raj Act but also help improve their overall personality. He released two books related to the course on the occasion.

CCSHAU Vice-Chancellor, Prof. K.P. Singh, in his presidential address, said that it is a matter of pride that today the Panchayati Raj representatives in Haryana are 100% literate. He said this programme has been implemented to strengthen Panchayat Raj. The course will present an example for other states.

He said this course is the brainchild of the Agriculture Minister and it has been prepared in collaboration with the Haryana Institute of Rural Development, Nilokheri. As the course being conducted by the Agricultural University, it would

provide an opportunity to the participants to get knowledge of modern techniques of agriculture also.

Mr. Atar Singh Sheoran, Director, Haryana Institute of Rural Development, Nilokheri, said that to make Panchayati Raj institution representatives more capable, a campaign has been started by signing agreements with four universities of the state. This effort will set a milestone in rural development in Haryana state.

Earlier, Dr. Salim Siddiqui, Dean, College of Basic Sciences & Humanities welcomed the guests and Panchayati Raj representatives, while Dr. Vinod Kumari, Head, Department of Sociology, apprised about the course curriculum.



World Car Free Day



The University celebrated World Car Free Day on September 22. On this day, the Vice-Chancellor, Prof. K.P. Singh, and other officials reached their work places on foot.

The World Car Free Day is celebrated to motivate the people to save petrol and diesel as well as the environment. The Vice-Chancellor urged the University community to celebrate not only just for one day in a year, but from time to time use alternative means of transport to save diesel and petrol and contribute significantly to protect the environment.

Swachhta Hi Sewa' Programme Held



Under the Swachh Bharat Mission, a public movement being run in the whole country on 'Swachhta Hi Sewa', an awareness rally was organised by NSS Units of College of Agriculture of the University on September 16. The rally was flagged off by Dr. K.S. Grewal, Dean, College of Agriculture.

Dr. Grewal said that to give boost to Swachh Bharat Mission, a sanitation programme will be run in the University for a fortnight till October 2. During this period, apart from carrying out sanitation

programmes in the University campus, around college buildings and other public places, holding of essay writing competition and declamation contest on the topic: 'Swachhta Hi Sewa', will also be held.

The rally started from the College of Agriculture and passed through all colleges of the University and Labour Colony. It culminated near Nehru Library. The NSS volunteers appealed to the people to involve themselves in 'Swachhta Hi Sewa' programme.

Pt. Deendayal Upadhyay Birth Centenary Year And Haryana Heroes' Martyrdom Day



Pt. Deendayal Upadhyay Birth Centenary Year and Haryana Heroes' Martyrdom Day were celebrated in the University on September 23. Sh. Ashok Beri, a Social Worker was the Chief Guest and Sh. Pawan, Retd. Judge and Social Worker, was the Guest of Honour. Prof. K.P. Singh, Vice-Chancellor, presided over the function.

the contribution of Pt. Deendayal Upadhyay in the development of secular society in the country. He narrated many inspiring incidents from Pt. Deendayal's life and called upon the students of the University to follow his ideals. Prof. K.P. Singh highlighted the contribution of Rao Tularam in India's struggle for independence. He sensitized the

Sh. Pawan highlighted the importance of Pt. Deendayal Upadhyay's philosophy in modern and global era. Chief Guest, Sh. Ashok Beri spoke at length on

audience with the concept of integral humanism as propagated by Pt. Deendayal Upadhyay.

On this occasion, declamation contest and poster competition on the topics: patriotism, organic farming and the philosophy of Pt. Deendayal Upadhyay were organised for the students of the University.

The function was organised by Deendayal Upadhyay Centre of Excellence for Organic Farming and National Service Scheme (NSS) of the University. Dr. Saleem Siddiqui, Dean, College of Basic Sciences & Humanities welcomed the guests and Dr. Bhagat Singh, Co-ordinator, NSS, presented the vote of thanks.

Three Memorandums Of Understanding Signed



The University signed an MoU with Petroleum Conservation Research Association (PCRA), New Delhi on September 18. PCRA is a registered society set up in 1978 under the Ministry

of Petroleum and Natural Gas, Govt. of India.

Both CCSHAU and PCRA agreed to collaborate for spreading awareness among rural masses for conservation of

petroleum products and other sources of energy through participation in Krishi Melas, Agriculture Officers' Workshops, Seminars etc. organised by the University. On behalf of the University, the MoU was signed by Dr. Ashwani Kumar, Director Human Resource Management and for PCRA by Mr. Naveen Gulati, Director and Chief Regional Co-ordinator.

Besides, two more MoUs, one each with Indian Institute of Technology, Delhi (September 10) and Maharana Partap Horticultural University, Karnal (September 5) were also signed for research and academic collaboration.

Freshers' Day



To welcome new students who got admission in different programmes in academic year 2017-18, Freshers' Day was organised in the University on September 12. On this occasion, separate programmes were organised by all the constituent colleges of the University including College of Agriculture, College of Agricultural Engineering & Technology, College of Home Science and College of Basic Sciences & Humanities in which both senior and junior students participated.

While newcomers gave their introduction to the senior students as well as the faculty, the seniors staged a cultural programme in their welcome.

Deans of respective colleges chaired the programmes. They congratulated the freshers and said such programmes were necessary to promote harmonious atmosphere in the University. They motivated them to work hard to achieve their goal.

National Sports Day



National Sports Day was celebrated in the University on August 29. To mark the occasion, cross country race and hockey match were organised by Directorate of Students' Welfare in the sports complex – Giri Centre of the University.

On this occasion, the Vice-Chancellor, Prof. K.P. Singh, was the Chief Guest. Paying tributes to Indian hockey wizard Major Dhyan Chand whose birthday is celebrated as National Sports Day, the Vice-Chancellor said that the way Major Dhyan Chand brought laurels for the country by his best performances, the students should follow him and earn recognition for the University as well as the country. He said that excellent sports facilities are available to the students in

this University and they should make use of these facilities for achieving excellence in sports.

Dr. D.P. Nandal, Director Students' Welfare, expressed gratitude to the Vice-Chancellor for the initiatives being taken by him to boost sports activities in the University.

On this occasion, the Vice-Chancellor flagged off the cross country race for men (5 km) and women (3 km) held to commemorate the occasion. In men category, Mr. Lokesh and Mr. Anand of College of Agriculture and in women category, Ms. Arushi and Ms. Pryanka of College of Home Science secured first and second position, respectively. In the hockey match, yellow team stood the winner.

Independence Day Celebrated



The Independence Day was celebrated in the University with joy and zeal. On this occasion, the Vice-Chancellor, Dr. K.P. Singh, was the Chief Guest. He hoisted the National flag and congratulated the University community on this historic day.

Paying tributes to the freedom fighters who laid down their lives for freedom of the country, he said that due to their sacrifices, we are leading a tranquil life. We should do our best to fulfil the dreams that they had woven for the free India. He called upon the teachers and the parents to instill moral values and spirit of nationalism in the children so that they become responsible citizens and contribute for the betterment of the country.

On this occasion, students of



constituent colleges and Campus School of the University presented a colourful cultural programme enthused with patriotic feeling.

Earlier, Controlling Officer of the Campus School, Dr. K.S. Bangarwa, welcomed the officers, staff, students and their parents present in the ceremony, while Mrs. Sarla Grewal, Principal, Campus School, presented a vote of thanks at the end of the ceremony.

Freedom Fighters Commemorated



To pay homage to the freedom fighters who sacrificed their lives in the freedom struggle and to take a resolution for the re-construction of the country, a programme was organised in the College of Basic Sciences & Humanities on August 11.

Dr. Salim Siddiqui, Dean of the College, who was the Chief Guest on the occasion, paid tributes to the freedom fighters. He urged the staff and

students to preserve freedom of the country and work for the welfare of the society and development of the country. He said this can be easily achieved if they work unitedly with the spirit of nationalism.

On this occasion, faculty, staff and students resolved to make the country clean and work together for poverty, corruption and terrorism free India.

Teachers Day

A programme was organised by the National Service Scheme (NSS) Unit of College of Agriculture of the University, on the occasion of Teachers Day on September 5.

On this occasion, Dr. Ram Kumar Yadav, former Director Students' Welfare was the Chief Guest. As mark of respect to former President of India, Dr. S. Radhakrishnan whose birthday is celebrated as Teachers Day, he offered flowers at his portrait. He called upon the students to always respect their teachers and gain maximum knowledge from them to make their future bright. He said that teachers should also prove themselves an ideal for the students and help them in achieving their goals.

Associate Director Students' Welfare, Dr. K.K. Verma, asked the students to share every problem with

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Green Consumer Day



College of Home Science organised different programmes to mark Green Consumer Day on September 29. Dr. Parveen Punia, Dean of the College, who presided over the function, flagged off cyclothon.

In the 10 km cyclothon that was organised to spread the message of environment protection, students of the College, security as well as other non-teaching staff of the University and local citizens enthusiastically participated.

Later, the participants of the cyclothon also attended the yoga programme and performed different yoga exercises under the guidance of Mr. Mukesh Kumar, Incharge, Patanjali Yog Samiti and Bharat Swabhimani Trust, Hisar district.

Dr. Kiran Singh, Head, Family Resource Management Department and Coordinator of the programme, said that in the 10 km cyclothon, Ms. Praveen Mehla, stood winner by covering the distance in 13 minutes and 48 seconds. The participants were served fruit juice on the occasion.

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their teachers. The Controller of Examination, Dr. S.K. Pahuja, highlighted the importance of the Teachers Day while appealing to the students to imbibe moral values.

The NSS volunteers presented poems and songs on the occasion. Apart from this, an essay writing competition was also held on the topic 'What will I do for cleanliness?' with the aim of accelerating the sanitation campaign.

Prof. S.K. Mukherjee Memorial Lecture

The Hisar Chapter of Indian Society of Soil Science (ISSS) in collaboration with Indian Society of Soil Science, New Delhi, organised 9th Prof. S.K. Mukherjee Memorial Lecture in the Department of Soil Science on September 22. Prof. K.P. Singh, Vice-Chancellor, was the Chief Guest while Prof. Ramesh Chandra, Professor of Soil Science, GBPUA&T, Pantnagar, was the keynote speaker on the occasion.

Prof. K.P. Singh, in the inaugural address, emphasized the importance of soil biological health for sustaining agricultural production. He congratulated the Department of Soil Science for organising this lecture.

Delivering keynote address on Soil Biological Health: Concerns and

Management Options, Prof. Ramesh Chandra highlighted the significance of soil biological health and various soil quality indices in relation to soil conditions. He further elaborated various means and measures of biological properties of soil quality evaluation and tillage practice. He said that there is need to develop linkage between soil biological properties and soil productivity.

Dr. K.S. Grewal, Dean, College of Agriculture and Dr. R.S. Malik, Prof. & Head cum President, ISSS (Hisar Chapter) also addressed the participants. Dr. Rita Dahiya, Professor of Soil Science cum Secretary, ISSS (Hisar Chapter) coordinated the programme and proposed a vote of thanks.

Engineers' Day



Engineers Day was celebrated by College of Agricultural Engineering & Technology of the University on the occasion of the birth anniversary of Bharat Ratna Sir M. Visvesvaraya, on September 15. In this programme organised in collaboration with Indian Society of Agricultural Engineers, General Manager (Training and Services), New Holland Agriculture, Er. Sanjay Vij was the Chief Guest.

Addressing the participants, Er. Sanjay Vij highlighted the importance of agricultural engineering in agricultural

production and labour saving. He said machines should be used in every field operation to increase agricultural production and improve the living standard of the farmers of the country. He said the agricultural engineers have done a commendable work to

boost mechanization in agriculture and they should continue their efforts to increase agricultural production as well as its value addition.

Dr. R.K. Jhorar, Dean of the College, paid homage to the world famous and Bharat Ratna awardee, Sir. M. Visvesvaraya and described him a great civil engineer, administrator, academician and social worker. On this occasion, the students of the College presented a colourful programme which received applause of the audience.

Participation in Conferences/Workshops/Trainings

- Dr. Yogesh Jindal attended International Conference on Triticale Biology, Breeding and Production held at Plant Breeding and Acclimatization Institute & National Research Institute, IHAR-PIB, Radzikow, 05-870 Blonie, Poland, from July 2-5, and presented a paper entitled "Evaluation of high nutritive fodder Triticale (*X Triticosecale* Wittmack) vis-a-vis Rabi fodder crops in semi arid region of North West Haryana in India.
- Dr. R.S. Kanwar, Principal Scientist-cum-HoD, Nematology, attended 56th All India Wheat and Barley Research Workers Meet organised by ICAR-IIW & BR at BHU, Varanasi, from August 25-28.
- Drs. Yogesh Jindal and D.S. Phogat attended National Group Meet on Forage Crops held at University of Agricultural Sciences, GKVK, Bengaluru, from September 4-5.
- Dr. Jayanti Tokas attended National Symposium on Innovations in Horticulture Production to Consumption, held at G.B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand, from September 14-15.
- Drs. Samunder Singh, S.S. Punia, Dharam Bir Yadav and Mr. Vinay Sindhu (Ph.D. student) presented papers in the 26th Asia-Pacific Weed Science Society Conference held in Kyoto, Japan, from September 17-23. Dr. Samunder Singh also chaired a session in the conference.
- Dr. Samunder Singh was invited to an International Symposium on Future Challenge in Weed Science, organised by Korean Society of Weed Science, National University of Seoul, and International Weed Science Society in Seoul, South Korea, on September 25. Dr. Singh also attended a meeting of the Board of Directors of International Weed Science Society in Seoul, South Korea, of which he is the President Elect.
- Dr. Prakash Banakar, Assistant Nematologist, participated in Refresher Course in Nematology organised by Tamil Nadu Agricultural University, Coimbatore, from July 17-25.
- Dr. Jayanti Tokas attended Training on Use of Biotechnology & Bioinformatics Tools for Genome Analysis in Department of Molecular Biology, Biotechnology & Bioinformatics, CCSHAU, Hisar, from July 17-August 7.
- Dr. D.S. Dahiya, Professor (Hort.), attended National Seminar on Fertigation organised by NCPAH for PFDC staff members at Vadodara, on September 15.
- Dr. R.K. Goyal, Professor (Hort.), delivered a lead lecture on Post-Harvest Management and Value Addition of Fruits and Vegetables in National Symposium on Innovations in Horticulture: Production to Consumption at GBPUA&T, Pantnagar, from September 14-15.
- Dr. Satpal Baloda, Assistant Horticulturist, attended National Symposium on Innovations in Horticulture: Production to Consumption at GBPUA&T, Pantnagar, from September 14-15.
- Drs. A.K. Bhatia and V.P.S. Panghal attended 35th Group Meeting of AICRP Potato held at BCKV, Kalyani, West Bengal, from September 16-18.
- Drs. A.K. Bhatia and V.P.S. Panghal attended one day Seminar on Sustainable Potato Production Issue & Strategies organised by CPRI, Shimla at BCKU, Kalyani, West Bengal, on September 15.
- Drs. R.K. Grover, V.P. Luhach and Nitin Bhardwaj, Department of Agricultural Economics, attended National Workshop of Cost of Cultivation Scheme held at MPUAT, Udaipur, Rajasthan, from August 17-19.

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College of Agriculture, Hisar

- Chaudhary Devi Lal Outstanding All India Co-ordinated Research Project Award-2016 has been conferred to All India Co-ordinated Research Project (AICRP) on Chickpea by ICAR, New Delhi, in recognition of the outstanding performance of AICRP on Chickpea of ICAR-Indian Institute of Pulses Research, Kanpur, on July 16. CCSHAU, Hisar, is one of the main Centres for

AICRP on Chickpea in the country. The Vice-Chancellor, Prof. K.P. Singh, congratulated the members of the team of AICRP on Chickpea.

- Wheat and Barley Section, Department of Genetics & Plant Breeding, organised farmers' training on Enhancement of Wheat Productivity under Changing Climatic Conditions in Haryana from September 26-29. In this training, a total of 40 farmers

participated. The main emphasis of the training was to improve wheat productivity through growing improved heat tolerant variety, better management, disease resistance, seed storage, marketing etc. The farmers were also provided the seed of newly developed wheat variety WH 1142 on this occasion.

- The newly identified variety WH 1184 of wheat gave the highest grain

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yield (59.8 q/ha) in State Varietal Trials during the year 2015-16 and out yielded all the checks, namely, WH 1105 (55.4 q/ha), HD 2967 (57.1 q/ha), HD 3086 (52.1 q/ha) and DBW 88 (52.6 q/ha) with a margin of 7.9%, 5.3%, 14.8% and 13.7%, respectively on the basis of overall mean. The proposed variety WH 1184 is highly resistant against yellow and brown rusts and has high sedimentation value (60 ml) as compared to all the checks.

- A 10-day training course on Geo-informatics for Agriculture was organised by the Department of



Agricultural Meteorology from September 11-20, to train the faculty in using latest technology of Remote Sensing, GIS and GPS in agriculture field. Faculty members from the University's main campus and KVK participated in the course.

- About 3000 farmers were registered for Mobile Weather SMS service at the Weather Based Agro-advisory Services Stalls put up in Krishi Mela (Rabi)-2017 of the University organised from September 18-19. The existing beneficiaries for Weather SMS Service also shared their experience regarding weather based agro-advisory services in their day to day field work.
- Dr. Samunder Singh, Department of Agronomy, was invited to deliver lecture on the Management of Herbicide Resistant Weeds in India to PG students and faculty of Department of Agronomy, Banaras Hindu University on August 4.

- Mr. Vinay Sindhu, Ph.D. Student, Department of Agronomy, received APWSS student award in the 26th Asia-Pacific Weed Science Society Conference held in Kyoto, Japan, from September 17-23.

- The stall of Department of Seed Science & Technology put up in Agro-Industrial Exhibition at Krishi Mela (Rabi)-2017 organised from September 18-19, won 2nd prize.

- Department of Agricultural Economics conducted four trainings for Agriculture Inspectors to acquaint them with software designed for on-line data entries under cost of cultivation scheme.

College of Basic Sciences & Humanities

- Department of Zoology in collaboration with KVK, Kurukshetra organised two-day Awareness Training Programme on Latest Rodent Management Practices for farmers from August 4-5. The Director of Research, Dr. S.K. Sethi, highlighted the role played by KVKs in technology dissemination especially in pest management. Dr. Hariom, Senior Coordinator, KVK, Kurukshetra, said that the rodents and other pests spoil the quality of crops as well as cause yield loss. Dr. Rachna Gulati, Professor and Head, discussed the judicious use of rodenticides in rodent management. Dr. Praduman and Dr. J.N. Bhatia, KVK, Kurukshetra, threw light on various techniques of pest management in fields and stores. In this training programme, Drs. Ravikant, Parmesh Kumar and Deepak Rai, delivered lectures on identification, management and life history of different rodent pest species of India.

A similar training programme was

also organised by the Department at KVK, Mohindergarh from August 10-11. Dr. Sudha Chikkara, Coordinator, KVK, Mohindergarh, highlighted the role played by women farmers in Haryana agriculture. Drs. Jailal Yadav, Ashok Dhillon, Ravikant and Mr. Vijender Singh highlighted the various aspects of rodent pest management in semi-arid area.

- The stall put up by Department of Zoology in the Krishi Mela (Rabi-2017) of the University organised from September 18-19, won 1st prize.

- Department of Language & Haryanvi Culture conducted a training on Personality Development and Communication Skills in collaboration with Directorate of Students' Welfare in the month of September.

- Department of Molecular Biology, Biotechnology & Bioinformatics organised a three-week practical training on Use of Biotechnology and Bioinformatics Tools for Genome



Analysis. A six-week training on Plant Tissue Culture, Genomics and Computational Tools for Crop Improvement was also organised by the department.

The trainings were inaugurated by Director of Research, Dr. S.K. Sethi, on July 17. Dr. S.S. Sindhu, Associate Director of Research graced the occasion as Guest of Honour. Speaking on the occasion, Dr. Sethi said that Biotechnology promises a great

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potential in agriculture, increasing the productivity, enhancing shelf life and quality of produce and to meet the challenges posed by biotic and abiotic stresses. He also highlighted the role of Bioinformatics in the genomics era for crop improvement. Dr. Neelam R. Yadav, Head of the Department and Course Director, said that the objective behind these trainings is to provide good understanding of the divergent techniques involved including micropropagation, transgenics, molecular markers, diagnostics, biofertilizers and biogas, ELISA, PCR, sequencing, statistical and bioinformatics tools.

I.C. College of Home Science

- Department of Foods & Nutrition and Department of Human Development & Family Studies celebrated Breast Feeding Week in collaboration with ICDS from August 1-7. During this week, lectures and demonstrations were held in villages Kharsa Mahajan and Agroha (Hisar) to spread awareness about the importance of breast feeding and nutrition of mother. About 70 high school girls and Anganwadi workers participated in this programme on August 4. On this occasion, Dr. C.K. Singh delivered lecture on breast feeding, human development and health issues. Dr. Veenu Sangwan, Assistant Professor, Department of Foods & Nutrition, delivered lectures on balanced diet, prevention of anaemia and diet for lactating mother. Message on Beti Bachao, Beti Padhao was also conveyed by CDPO, Agroha, through documentary.
- Vanmohatsav was celebrated by the Department of Family Resource Management on August 11 and 50 saplings of shady trees were planted in

village Deva.

- To welcome M.Sc. students, an Orientation cum Talent Hunt programme was organised by Department of Family Resource Management on August 18. The department also celebrated World Photography Day on August 19 by holding a photography competition.
- Department of Foods & Nutrition celebrated National Nutrition Week from September 1-7. During this week, various competitions including quiz, poster making, slogan writing and nutritious recipe were organised for University students. The faculty delivered lectures in Gawar and Ludas villages as well as Primary School, CCSHAU, Hisar, to spread awareness about hygiene and nutrition. Students of professional elective from the Department also staged a skit 'Food Junction' at College of Home Science. The skit was an attempt to make students aware of harms of junk food.
- The AIRCP team of Department of Human Development & Family Studies organised 'Swachhta Hi Sewa' campaign from September 25 to October 2 at village Niana, Labour Colony and College campus. Lectures were delivered to villagers to create awareness on different aspects of Swachhta such as cleaning of home and institutions. Knowledge was also imparted on how lack of sanitation causes diseases and environment pollution. The villagers enthusiastically participated in the cleaning of the village and took a Swachhta Shapath. The faculty members and students were motivated for cleaning of College premises.
- Under 'Swachhta Abhiyan', the College of Home Science celebrated

'Swachh Bharat Pakhwada' from September 15-30. All teaching and non-teaching staff as well as students of all the Departments participated in this campaign. During the campaign, an extensive cleanliness drive was carried out in and around the College building. Weeds from the lawns were removed, water channels cleaned and dry leaves were collected. Dry bushes behind the College building were also removed. Apart from this, fans, window panes, ventilators in the rooms of all the Departments were cleaned and broken furniture was removed. Decorative plants in the pots were also properly maintained. Besides, pamphlets on environment preservation were distributed in Shopping Centre, New Campus area and girls hostels.

- Students of professional elective celebrated Dussehra at Preschool Lab of HDFS Department on September 28. A special assembly was conducted on the occasion. Head of the Department, Dr. Krishna Duhan, spoke on the significance of the festival and how it is celebrated.

Dean Post-graduate Studies

- The admission to Masters programmes in different disciplines in College of Agriculture, College of Basic Sciences & Humanities, College of Home Science and College of Agriculture Engineering & Technology was done during July-September, 2017. In all, 271 students were admitted in these colleges and out of these, 140 were male and 131 were female. Amongst 271 students, 42 students have been admitted as ICAR nominee and belong to states other than Haryana.
- As many as 503 M.Sc. and 335 Ph.D. students have been on rolls during 1st Semester 2017-18. During the

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period under report, 90 M.Sc. and 19 Ph.D. students have completed their degree.

- Dean, Post-graduate Studies is also responsible for admission to different Post Graduate Diploma courses. Seventeen students have been admitted in Diploma courses on English-Hindi Translation and Communication Skill in English offered by College of Basic Sciences & Humanities, and five students have been admitted in Remote Sensing & Geographical Information System in College of Agriculture.

- Mr. Rahul Singh Pannu, M.Tech. student, Department of Farm Machinery & Power Engineering, attended International Seminar on Sustainable Intensification of Agriculture through Resource Management and Conservation held at Goettinger, Germany, from July 7-9.

- Ms. Garima Yadav, Ph.D. student, Department of Family Resource Management, attended 4th International Conference on Energy and Environment Research held at Porto, Portugal, from July 17-20.

- Ms. Suman Chaudhary and Ms. Rinku Dhankar, Ph.D. students, Department of Microbiology, participated in 19th International Conference on Sustainable Agriculture, Environment and Forestry held at London (UK), from July 28-29.

- Ms. Meenakshi Sangwan, Ph.D. student, Department of Agronomy, attended Food Safety and Security Summer Institute at Tel Aviv University International, Isreal, held from June 28-July 28.

- Mr. Inderpal Singh, Ph.D. student, Department of Soil Science, was awarded DAAD Fellowship (Research Grants-Bi-nationally Supervised

Doctoral Degree, 2017/2018) by the Federal Republic of Germany, from August 1-September 30.

Directorate of Human Resource Management

- To address issues linked with the challenges to Indian agricultural extension system, Academy of Agricultural Research & Education Management of the Directorate



organised a Refresher Course on Extension Management from July 5-25 for the faculty working in State Agricultural Universities and ICAR Institutes. A total of 25 scientists from the streams of agriculture, home science, engineering, management studies and veterinary sciences participated in the refresher course. The participants were sensitised about latest issues and trends in extension management and use of the latest instructional material for transfer of technology. They were also imparted knowledge and skill for use of selected extension methods in their job situation. Dr. S.K. Sethi, Director of Research, gave away certificates to the participants at the valedictory function.

- The Business Planning and Development & IPR Cell, DHRM, participated in the Agro-Industrial Exhibition organised by the University from September 18-19 on the occasion of Krishi Mela (Rabi)-2017 and sensitised the visitors about the University techniques for commercialization.

Directorate of Students' Welfare

- The Mountaineering Club organised a basic water camp at Pong Dam from September 21-24. Thirty five students of the Club participated along with President, Mountaineering Club, Dr. Mukesh Kumar and Advisor, Dr. Subhash Chander, from College of Agriculture. The group had hand on training of various water sports activities like kayaking, canoeing, rafting, sailing, water skiing etc.

- In NCC B Certificate Examination-2017, all the students passed the examination. One student got 'A' grade and 16 got 'B' grade. Similarly, in C Certificate Examination-2017, all 18 students passed the examination out of which 4 students got 'A' grade, 11 got 'B' grade and 3 got 'C' grade. One student, Mr. Sunny Maanju, did skill development course for all services at Youth Centre for Skill Development, MDU, Rohtak.

- Students Counselling & Placement Cell in the Directorate of Students' Welfare, organised following professional and skill development training programmes for University students during July-September, 2017: Personality Development (August 9-30); Effective Public Speaking and Communication Skills (August 17-September 7); Computer Training on Advanced Excel Skills for MBA students (August 22-September 1); Women Empowerment with Haryanvi Folk Lore and Music (August 30-September 18); Statistical Data Analysis for Research Scholars (September 11-20); and Awareness and Use of Library Resources (September 13-26). The students were given certificates on successful completion of the trainings.

- Students Counselling & Placement

News Briefs

Cell conducted following Career Counselling Sessions: Job Opportunities in Sugar Mill Industry by Kuldeep Chaudhary, DGM, Dr. P.C. Joshi, AGM and Rajender Kaushik, AGM, Saraswati Sugar Mill, Yamuna Nagar on July 27; Raising Productivity of Agriculture through Engineering Interventions for Agricultural Engineering students by G. Sarvnan, Regional Director and Ashok Kumar, Deputy Director, National Productivity Council, Chandigarh, on September 4; Management Interventions for Higher Productivity for MBA students by G. Sarvnan, Regional Director and Ashok Kumar, Deputy Director, National Productivity Council, Chandigarh, on September 4; Expert lecture on Career Goals (Govt. Jobs): Illusion vs Reality by J.P. Gupta, The Bankers, Hisar, on September 6; Job Opportunities for Agricultural Engineers by Er. Sanjay Viz, GM Training & Service and Kavita

Sah, Head (CSR), New Holland Tractors Pvt. Ltd. on September 15; and Role of Personal Development in Creativity and Innovations by Litan Bhowmik, Corporate Trainer, on September 18.

- Ajanta Hostel No. 3 of the University celebrated Ganesh Mahotasava. During nine-day celebration which concluded on September 2 with the immersion of



idol of Lord Ganesha. Worship of Lord Ganesha was done in the Common Room of the hostel.

- Directorate of Students' Welfare

organised a five-day National Folk and Theatrical Festival from September 25-29. It was inaugurated by the Vice-Chancellor, Prof. K.P. Singh. Nearly 60 National level artists participated in this festival and gave magical performances. Five famous plays, namely Welcome Zindagi, The First Teacher, Nag Mandal, Maulana Azad and Nugra Ka Tamasha were staged during the festival.

Comptroller Office

Government instructions for revision of pension/family pension of pre 2016 and post 2016 pensioners issued vide (i) Haryana Civil Services (Revised Pension) Part-I Rules 2017 and (ii) Haryana Civil Services (Revised Pension) Part-II Rules 2017 have been adopted by the University for University pensioners. About 144 GPF and 11 CPF loan advances have been cleared during July-September, 2017.

Retirements

The following faculty and staff members of the University retired on attaining the age of superannuation during July- September, 2017 :

Retirements on 31st July, 2017

S. No.	Name	Designation	Department
1	Mr. S.P. Singh	Assistant	XEN (E)
2	Mr. Bhim Sain	Technical Assistant	Cotton Section
3	Mr. Nahar Singh	Senior Laboratory Assistant	Soil Science Department
4	Mr. Sukhdev Singh	Plant Observer	Cotton Section
5	Mr. Ramesh	Water Pump Operator-II	XEN (PH)
6	Mr. Ravinder Kumar	Water Pump Operator-II	XEN (PH)
7	Mr. Jawahar Singh	Plant Observer	Cotton Research Station, Sirsa
8	Mrs. Phool Pati Sharma	Beldar	Krishi Vigyan Kendra, Rohtak

S. No.	Name	Designation	Department
9	Mr. Pehlwan	Beldar	Forage Section
10	Mrs. Chiria	Beldar	Botany & Plant Physiology Department

Retirements on 31st August, 2017

S. No.	Name	Designation	Department
11	Dr. Nishi Sethi	Professor	Associate Director Training
12	Dr. Ram Avtar Lamba	Senior Scientist (PB)	Regional Research Station, Bawal
13	Dr. Vijay Singh Beniwal	Principal Scientist (Horticulture)	Regional Research Station, Bawal
14	Mrs. C.K. Godara	Store Verification Officer	Comptroller Office
15	Mr. Nahar Singh	Assistant	Regional Research Station, Karnal
16	Mr. Miya Singh	Assistant	Comptroller Office
17	Mr. Krishan Gulati	Assistant	Registrar Office
18	Mr. Bhoop Singh	Technical Assistant	Oilseeds Section
19	Mr. Mahavir Singh	Clerk	Comptroller Office
20	Mr. Sukhbir Singh	Stenographer	Regional Research Station, Bawal
21	Mr. Baru Ram	Stenographer	Chief Security Office
22	Mrs. Bimla Devi	Bindary Foreman	Nehru Library
23	Mr. Asha Ram	Water Pump Operator-II	EO-cum-SE
24	Mrs. Khapri Bai	Mason	EO-cum-SE
25	Mr. Karan Singh	Beldar	Regional Research Station, Bawal

Retirements on 31st September, 2017

S. No.	Name	Designation	Department
26	Dr. M. Khabiruddin	Principal Scientist	MA&UUP Section
27	Dr. R.K. Pannu	Principal Scientist	Agronomy Department
28	Mr. Om Parkash Nain	Assistant	Comptroller Office
29	Mr. Jarnail Singh	Clerk	EO-cum-SE
30	Mr. Jagdish Kumar	Driver	College of Basic Sciences & Humanities
31	Mr. Jagbir Singh	Laboratory Attendant	Regional Research Station, Karnal
32	Mr. Navneet	Helper	XEN (C-II)



Governor Kaptan Singh Solanki releases a book on beekeeping in Karnal on Friday. TRIBUNE PHOTO

BEEKEEPING TO BOOST FARMERS' INCOME

Governor Kaptan Singh Solanki said today that beekeeping would help in doubling the income of farmers. Speaking at the inaugural function of a two-day national convention on bee farming at Central Soil Salinity Research Institute (CSSRI) here, he said the government of Haryana has decided to help farmers by 20%.

Solanki said that beekeeping would help in doubling the income of farmers. Speaking at the inaugural function of a two-day national convention on bee farming at Central Soil Salinity Research Institute (CSSRI) here, he said the government of Haryana has decided to help farmers by 20%.



Governor Kaptan Singh Solanki releases a book on beekeeping in Karnal on Friday. TRIBUNE PHOTO

होम साइड कॉलेज स्टूडेंट्स ने 10 किमी साइड यात्रा निकाल ग्रीन कंज्यूमर डे किया सेलिब्रेट

सिटी रिपोर्टर • ग्रीन कंज्यूमर सेलिब्रेशन में एचएयू के अग्रणी कॉलेज ऑफ होम साइड ने किया। एचएयू के गेट नंबर 2 से लेकर एयू

एचएयू में वुमन इम्पॉवरमेंट और हरियाणवी संगीत पर वर्कशॉप

सिटी रिपोर्टर • चौधरी चरण सिंह हरियाणा कृषि विश्वविद्यालय के कार्डसिलिंग एंड प्लेसमेंट सेल ने स्टूडेंट्स के लिए वुमन इम्पॉवरमेंट और हरियाणवी लेक्चर और संगीत विषय पर दो सप्ताह की वर्कशॉप शुरू की। विश्वविद्यालय के छात्र कल्याण निदेशालय में ऑर्गेनाइज किए गए इस वर्कशॉप में 43 स्टूडेंट्स भाग ले रहे हैं।

छात्र कल्याण निदेशक डॉ. डी.पी. नांदल ने भी इसकी प्रशंसा की।

इसमें पूर्व प्रशिक्षण सं. डॉ. संध्या शर्मा ने प्रशिक्षण विषयों के बारे में जानकारी दी। उन्होंने बताया कि प्रशिक्षण के दौरान विद्यार्थियों को संस्कृति से जुड़े गीत-संगीत, नृत्य, नाटक आदि के अतिरिक्त सैल्फ डिफेंस के बारे में जानकारी दी जाएगी। कार्डसिलिंग एंड प्लेसमेंट सेल के सहनिदेशक डॉ. देवेंद्र सिंह दहिया ने कहा कि यह प्रशिक्षण हरियाणवी लोक संस्कृति को बनाए रखने की दिशा में एक महत्वपूर्ण कदम है।

HP Gov opens Krishi Mela

HISAR, SEPTEMBER 18
Himachal Pradesh Governor Acharya Devvrat today inaugurated the Krishi Mela at Chaudhary Charam Singh Haryana Agricultural University (HAU) here. The two-day mela is based on the theme of organic farming.

He said due to the excessive use of chemical fertilisers, land and air were getting poisonous. He urged the farmers to own cows and to adopt organic farming for the better quality produce. He said farmers were investing between Rs 10,000 and Rs 20,000 on chemical fertilisers. The disease spreading due to these fertilisers caused damage to crops that led to farm-into debt trap and finally suicide. — TNS

सरकार में काम करना आसान नहीं अधिकारी खेलते हैं फाइल-फाइल

एचएयू में सरकारी के तीन महीने के सर्टिफिकेट कोर्स के शुभारंभ पर बोले कृषि मंत्री श्री धनखड़



Minister Dhan Khaddar releases a certificate in Karnal on Friday. TRIBUNE PHOTO

एचएयू को सर्वश्रेष्ठ संस्थान अवार्ड



Governor Kaptan Singh Solanki releases a trophy in Karnal on Friday. TRIBUNE PHOTO

किसान जैविक खेती के साथ अपनाएं गो-पालन

कृषि मंत्री धनखड़ ने कहा कि किसान जैविक खेती के साथ गो-पालन अपनाएं। यह न केवल किसानों की आय बढ़ाएगा, बल्कि पर्यावरण को भी सुरक्षित रखेगा।

प्रशिक्षण देकर जन-प्रतिनिधियों को सशक्त बनाएं : धनखड़

कृषि मंत्री धनखड़ ने कहा कि जन-प्रतिनिधियों को सशक्त बनाएं। यह न केवल किसानों की आय बढ़ाएगा, बल्कि पर्यावरण को भी सुरक्षित रखेगा।



Minister Dhan Khaddar releases a certificate in Karnal on Friday. TRIBUNE PHOTO

जट खेती करो, नहीं लेना पड़ेगा कर्ज

पले के दौरान हिमाचल प्रदेश के राज्यपाल ने किसानों को जैविक खेती के लिए कहा



Governor Kaptan Singh Solanki releases a trophy in Karnal on Friday. TRIBUNE PHOTO

यह भ्रम मन से हटाना होगा कि बेटीयां सशक्त नहीं: डॉ. संजेश

सिटी रिपोर्टर • एचएयू के कार्डसिलिंग एंड प्लेसमेंट सेल द्वारा स्टूडेंट्स के लिए महिला सशक्तिकरण- हरियाणवी लोकगीत एवं संगीत विषय पर आयोजित दो सप्ताह की वर्कशॉप संपन्न हुई। प्रशिक्षण में 30 प्रतिभागिताएं

सबसे बेतकली

एचएयू में सरकारी के तीन महीने के सर्टिफिकेट कोर्स के शुभारंभ पर बोले कृषि मंत्री श्री धनखड़



Minister Dhan Khaddar releases a certificate in Karnal on Friday. TRIBUNE PHOTO

सबसे बेतकली

एचएयू में सरकारी के तीन महीने के सर्टिफिकेट कोर्स के शुभारंभ पर बोले कृषि मंत्री श्री धनखड़



Minister Dhan Khaddar releases a certificate in Karnal on Friday. TRIBUNE PHOTO

एचएयू स्टूडेंट्स ने रागी, ओट्स और फ्रूटजूस से बनाया न्यूट्रीशियस केक

होम साइड कॉलेज के फूड एंड टेक्नोलॉजी डिपार्टमेंट में पौष्टिक रसोई कंपीटिशन में भाग ले रहे हैं।



Students of Home Side College are participating in a nutritional cooking competition in Karnal on Friday. TRIBUNE PHOTO



Feedback

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Chaudhary Charan Singh Haryana Agricultural University

From Vice-Chancellor's Desk

Agriculture is the major source of food, nutrition, income and employment of large population of the country and thus ensures livelihood security. The country has made commendable progress in the field of agriculture and is now a front runner across the world. However, due to adoption of similar type of crops/cropping systems for many years, farming community is facing serious environmental consequences and problems like groundwater depletion, soil fertility and productivity; resistance by many weeds against recommended herbicides and other pest management problems at fields. This has also created problem of marketing at national and international level.

To overcome such type of problems and to conserve natural resources, there is a need to diversify food basket along with marketing. The adoption of modern agricultural technology/practice like diversification of existing crops/cropping systems is also an important and essential strategy.

As far as agricultural production is concerned, Haryana is a surplus state in terms of foodgrain production and is one of the largest foodgrain suppliers to the national pool. There has been a large increase in the area under cultivation and total cropped area since its inception in 1966. The area under cereals continued to increase since inception of Haryana in 1966 till 2017-18. In 1966-67, the area under rice crop was 192 thousand hectares with an average yield of 1161 kg/ha, which has reached to 1354 thousand hectares with an average yield of 3061 kg/ha in 2015-16. Wheat was cultivated on 743 thousand hectares with an average yield of 1425 kg/ha in 1966-67 and in 2015-16, the area under wheat was 2576 thousand hectares with an average productivity of 4407 kg/ha. The area under pulses increased from 1966-67 to 1975-76 and declined thereafter. Gram, the major pulse crop of Haryana, was cultivated on largest area under any crop on 1062 thousand hectares with an average productivity of 500 kg/ha at the time of birth of Haryana. This important pulse crop at present is cultivated on 43 thousand hectares with an average yield of 619 kg/ha. Rapeseed and mustard was cultivated on 198 thousand hectares at the time of inception of Haryana, while in 2015-16 this group of crops was cultivated on 510.4 thousand hectares with an average yield of 1669 kg/ha. The area under cotton has been increasing for the last about 50 years except a few years fall in acreage. Cotton was cultivated on 183 thousand hectares in 1966-67 and during 2015-16 its acreage was 615.2 thousand hectares. The sugarcane area increased from 121 thousand hectares in 1967-68 to 140.4 thousand hectares in 2007-08 which reduced to 93.5 thousand hectares in 2015-16 with an average yield of 7390 kg/ha. The area under rice, wheat and rapeseed & mustard increased manifold while under gram reduced drastically over the years.

The cropping pattern has undergone substantial changes with major shift in favour of cereals like paddy and wheat. The existing cropping systems, specially paddy-wheat, have shown adverse effect on soil health and decline in crop productivity along with exploitation of underground water. Inclusion of berseem, cowpea, mustard, maize, sugarcane etc. in rice-wheat system can effectively minimize weed infestation in rice and wheat. Moreover, inclusion of legumes for grain, fodder and green manure crops improves the soil fertility and soil health.

With the changes in agricultural situation in the state, crop diversification has become a must. The major cropping systems viz. paddy-wheat, cotton-wheat and pearl millet-wheat are facing a large number of problems like insect-pest and diseases attack, soil health and water problems, change in farmers and consumers interest for various crops.

To make the crop diversification economically viable and to counter various problems emerged due to mono cropping /same cropping system adopted by farmers for long time, CCSHAU has made many recommendations. Intercropping of wheat, gram, mustard, potato, garlic, green gram and cucumber can be successfully adopted in sugarcane for additional income and water saving. Additional production of raya can be harvested when intercropped with gram in 6:1 or 8:1 row ratio. To save the irrigation water, wheat variety WH 1124 has been recommended under controlled irrigation situation. Barley varieties BH 885 and BH 946 can substitute wheat crop in areas where irrigation water is scarce. Castor crop is emerging as promising crop for diversification of crops in South and South-Western Haryana. There are so many recommendations which are adopted by farmers for diversification of crops/cropping systems.

Therefore, the present agricultural scenario encourages the farmers to shift to diversification with more remunerative and farmer friendly crops/cropping systems including high value crops.



Prof. K.P. Singh

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Chief Minister Inaugurates Swarna Jayanti Dwar And Deendayal Upadhyay Centre Of Excellence For Organic Farming



Hon'ble Chief Minister of Haryana, Sh. Manohar Lal inaugurated Swarna Jayanti Dwar and Deendayal Upadhyay Centre of Excellence for Organic Farming in the University on October 31. Sh. D.S. Dhesi, Chief Secretary, Govt. of Haryana, Mr. Subhash Brala, BJP State President, Dr. Kamal Gupta, MLA, Hisar and Prof. K.P. Singh, Vice-Chancellor, were present on the occasion.

To mark the Golden Jubilee of Haryana, a 106-feet wide and 28-feet high magnificent Swarna Jayanti Dwar has been built in the University at a cost of about Rs. 58 lakh. Since inception in the year 1970, the University has four entry gates popularly known as Gate No.

1, 2, 3 and 4. The Gate No. 4 has been rebuilt and given the name Swarna Jayanti Dwar (Golden Jubilee Gate).

Deendayal Upadhyay Centre of Excellence for Organic Farming has been set up with the objective to popularize organic farming in the state. At this Centre, the farmers will be trained in organic farming and as incubate farmers they will be extended scientific information on organic farming, marketing, storage and post harvest technology. As many as 139 acres of land has been provided to this Centre which will be connected to varsity's dairy where cow dung, cow urine and agricultural waste after converting into

customized fertilizers through modern bio-compost and bio-energy units, will be used on organic farm. The organic products of this Centre will be directly sold in the market in Delhi and NCR. This is the first Centre of its kind in the country where in due course the recommendations of organic farming will be prepared and disseminated to the farmers who will get benefitted from their implementation.

At this Centre, a custom hire centre will be run by the University students, who will also train the farmers about the use of advanced equipments and their commercialization. The Centre will be run on 'No Profit No Loss' basis.



Himachal Pradesh Governor Inaugurates Workshop On Natural And Spiritual Agriculture



A three-day Workshop on Natural and Spiritual Agriculture was organised by the Deendayal Upadhyay Center for Excellence for Organic Farming of the University in collaboration with Gurukul Kurukshetra and Village Development Activity, Haryana state, from November 28-30. Hon'ble Governor of Himachal Pradesh, Acharya Devvrat was the Chief Guest on this occasion.

Speaking on the occasion, Acharya Devvrat said that pesticides and chemical fertilizers are being used injudiciously to increase agriculture production and to protect crops from insects, pests and diseases. Due to this practice on one hand natural resources like land, air and water are getting poisonous, on the other hand, the consumption of foodgrains, vegetables and fruits produced in this environment

has posed serious threat to human health leading to various diseases. He said that no doubt to meet need of the hour, the agricultural scientists have done a commendable work by developing improved varieties of crops and agricultural practices, but we cannot continue with these for a long time and have to switch over to organic farming, especially zero budget natural farming.

He said that the farmers have a misconception that organic natural farming gives low yield. Whereas the fact is that for initial two years, the production may be low but thereafter it continue to increase. He said that he has been doing organic farming in Gurukul Kurukshetra since last four years and has found its very encouraging results. It can also turn barren land into fertile land. He said that CCSHAU has taken a initiative to promote

organic farming.

Addressing the farmers, Sh. O.P. Dhankar, Agriculture, Development & Panchayats, Mines & Geology, Animal Husbandry & Dairying and Fisheries, Haryana, expressed concern over the declining content of organic matter in the soil which will affect the agricultural production. To overcome this, natural farming is a better option in which the use of chemical fertilizers and pesticides will not be required. He said that every year in Haryana, about Rs. 5500 crores is spent on the purchase of chemical fertilizers, out of which more than Rs. 3000 crores is provided by the government in the form of subsidy. By doing organic farming, this amount can be utilized for the welfare of the farmers by the government. He said the

Cont....P4



from....P\3

Haryana government is making concerted efforts to make the farmers earn Rs. one lakh per hectare.

Presiding over the function, the Vice-Chancellor, Prof. K.P. Singh, said that the Haryana government and this University are very serious to promote natural farming in the state. Setting up of Deendayal Upadhyay Centre of Excellence for Organic Farming in the University is a proof of this. Through this Centre, farmers will be given full practical knowledge about the organic farming. He said that world over there is a huge demand for India's natural farming products. Therefore, the future of natural farming in India is very bright.

Mr. Indresh Kumar, a senior member of National Executive of Rashtriya Swayam Sevak Sangh said that in India

the farming is the best and it will remain the best profession. Neglecting agriculture will create a serious crisis. He, however, emphasized on developing affordable, best and useful technologies of agriculture and called upon the agricultural experts to give knowledge to the farmers in the language they understand. Mr. Dinesh Kulkarni, Organizing Secretary, Indian Farmers Association, said that need of the hour is to give new directions to agriculture

On this occasion, a well-known agricultural expert, Dr. Subhash Palekar, in his keynote address threw light on zero budget natural farming. He said that zero budget natural farming is the solution to all the challenges facing Indian agriculture in which there is only profit

and no loss. He addressed all the doubts of farmers about natural farming.

More than 1200 farmers from Haryana, Punjab, U.P., Rajasthan and Chhattisgarh participated in the workshop. During the workshop, Dr. A. S. Panwar, Director, Indian Institute of Farming Systems Research, Dr. S.K. Sethi, Organising Secretary; Dr. Pawan Kumar; Dr. R.C. Verma, Director, Deendayal Upadhyay Centre of Excellence for Organic Farming; Dr. Wajir Singh and Mr. Shamsheer Singh from Gurukul Kurukshetra, Officers of the University as well as Mr. Kuldeep and Mr. Jitendra from the Village Development Activity of Haryana state were present. Dr. R.C. Verma, proposed a vote of thanks on the occasion.

Kisan Diwas Celebrated In Memory Of Ch. Charan Singh



The University observed Kisan Diwas on the occasion of birth anniversary of former Prime Minister of India, Late Ch. Charan Singh on December 23. On this occasion, Hon'ble Governor of Bihar, Sh. Satyapal Malik, was the Chief Guest. Mr. Krishan Pal Gurjar, Speaker Legislative Assembly, Haryana, graced the occasion as Guest of Honour. The function was presided over by the Vice-Chancellor, Prof. K.P. Singh.

Speaking on the occasion, Hon'ble Governor, Sh. Satyapal Malik, said that Ch. Charan Singh was the first political leader who talked about farmers' issues in the Parliament. He always worked for

the welfare of farmers and struggled for their economic uplift and interests. He feels proud to be part of Ch. Charan Singh birth anniversary celebration because he started his political carrier under the guidance of this legendary leader. He was a simple man and never compromised with his principles.

He further mentioned that since independence, the agriculture production in the country has increased significantly, but the economic condition of the farmers has not improved proportionately. In present scenario the farmer has to spend more than what he earns. It should be ensured that the



farmers could get atleast MSP for his produce. He also urged the farmers to provide good education and values to their children and to help in eradicating social evils like dowry, female foeticide and crime prevailing in the society. Keeping aside all their differences they should unite and struggle for their rights.

Impressed with the large presence of farm women in the programme, he said that women of Haryana are ahead not only in performing domestic chores but also in agriculture. They need to be given knowledge of latest technology of agriculture and equal opportunity in

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every field.

Speaking on the occasion, Speaker, Legislative Assembly, Mr. Krishan Pal Gurjar, said that many leaders raised farmers voice but there is no parallel to the struggle made by Ch. Charan Singh for the welfare of farmers. Following his footsteps the present government in the state is fully supporting the farmers and take every decision that leads to their welfare.

He expressed concern over the declining interest of the young generation in agriculture. He said that to retain them in the farming profession, we need to make agriculture profitable. We also need to work on doubling the income of farmers. He also spoke on the

issue of burning of crop residues by the farmers. He said the farmers and the government need to work together to solve this problem. The Haryana Government has fixed Rs. 540/q as price of paddy straw.

The Vice-Chancellor, Prof. K.P. Singh, said that CCSHAU has been instrumental in bringing green revolution in the country. In view of the new challenges of agriculture, the scientists need to find their solution to maintain the pace of agricultural development. He said it is a matter of pride for Haryana that having an area of just 1.34% of the total area of the country, the state has been contributing about 17% to the central pool. This University has given more than

288 improved crops varieties as well as advanced technology to the farmers.

Farmers Honoured; Strategic Document Released

On this occasion, the Hon'ble Governor felicitated progressive farmers and farm women from different districts of the state. He also released a Strategic Document to Double the Income of Farmers by 2022, published by the University.

Floral Tributes

Earlier in the morning, led by the Vice-Chancellor, Prof. K.P. Singh, the officers, faculty, staff and students paid tributes to the late leader by offering flowers at his statue in the campus.



Students Centre For Career Excellence Inaugurated



The Vice-Chancellor, Prof. K.P. Singh, inaugurated Students Centre for Career Excellence in Counselling and Placement Cell of the Directorate of Students' Welfare on November 2.

This Centre has been set up in Gandhi Bhawan of the University, in which students will be given coaching to achieve success in various competitions such as ICAR- Post

Graduate Study (PGS) Exam, Junior Research Fellow (JRF), Senior Research Fellow (SRF), Agriculture Scientists Recruitment Board (ASRB) Agricultural Research Service (ARS) & National Eligibility Test (NET) at this Centre.

On this occasion, the Vice-Chancellor emphasized on availing the advantage of coaching by the students in this Centre so that they can achieve their goals. He said that the University faculty will fully assist them in preparing for the competitive examinations. He also urged the students who have qualified NET or similar examinations to come forward and guide the aspiring students.

Golden Jubilee International Conference On Gender Issues



To mark Golden Jubilee Celebrations of Haryana, College of Home Science organised a 3-day Golden Jubilee International Conference on Gender Issues and Socio- Economic Perspectives for Sustainable Rural Development in collaboration with NABARD from October, 23-25. The conference focused on emerging gender issues, gender friendly technologies for socio-economic empowerment of rural women, impact assessment of policies and programmes and formulating strategies for engendering sustainable rural development in agriculture.

Inaugural Function

Dr. R.C. Kuhad, Vice-Chancellor, Central University of Haryana, Mahendergarh, was the Chief Guest while Prof. K.P. Singh, Vice-Chancellor, CCSHAU, Hisar presided over the inaugural function.

In his inaugural address, Dr. R.C.

Kuhad said that it is often heard that our society is not sensitive to women and they are given different treatment as far as their education, nutrition, participation in sports etc. are concerned. This ideology need to be changed for the progress of the country. He said that Haryana's daughters have proved it wrong by making achievements in the field of sports and education. He further told that if women are given equal opportunities as men, they can perform well in every field.

Prof. K.P. Singh, in his presidential address, said that Indian women are the best in the world and they have proved this with their performance. He said that their contributions in agriculture are well known. The states where women are associated with agriculture, have made tremendous progress. Emphasizing on empowerment of women through education, he said that this will not only help in the development of the family but

also of the society. He lauded “Beti Bachao-Beti Padhao” campaign of the government.

Dr. Chandra Prabhha Arora, CEO and Project Director Women Health, USA, delivered a keynote speech on 'Green Health: Sustainability', while Mr. Arun Shukla, Chief General Manager, NABARD, highlighted programmes of micro-finance and skill development for empowerment of women and doubling the income of farmers.

Valedictory Function

Mrs. Krishna Raj, Union Minister of State for Agriculture and Farmers' Welfare, chaired the valedictory function. She said that equal participation of women and men in all facets of social structures is necessary for the formation of a strong nation and its sustainable development. Gender inequality has a negative effect on our economy. Though, a lot has been done to solve gender issues, yet gender gap prevails in all areas, especially in rural areas, where socio-economic inequality among men and women is the highest.

She said that rural women have played an important role in various socio-economic aspects, viz. improvement in economic development, increase in food production and sustainable development of society. Given this, it is necessary to empower women. She said I am happy to be a part of a government which is sensitive to the

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issues of women and has initiated various schemes for their welfare and empowerment. She said that after the Green Revolution, the White Revolution and the Blue Revolution in the country, we are now working towards bringing a Brown Revolution from cow dung and cow urine. On this occasion, she honoured the scientists and students who gave the best presentations in the conference and also released a CD related to the conference.

Prof. K.P. Singh, Vice-Chancellor, threw light on the work being done in the direction of women's education in the University. He said as a result of this, the number of girl students is increasing in

the University every year. He appealed to the Minister to provide extra funds for the construction of new hostels in the University to provide boarding and lodging facility to all girl students. The Minister accepted his appeal and assured to provide assistance for other needs as well.

Earlier, Dr. Parveen Punia, Dean, College of Home Science and Chairperson of the conference, welcomed the guests and the participants. Organising Secretaries of the conference, Dr. Sudesh Gandhi and Dr. Manju Dahiya also spoke on this occasion.

During the conference, deliberations were held under two plenary sessions and 12 theme based concurrent

technical sessions. Nearly 200 scientists from India and abroad participated in this conference. Seventeen lead presentations, 130 oral presentations and 149 poster presentations were made on different themes during the conference. Under each theme, two best posters were adjudged on the basis of contents related to theme, novelty of research etc.

The deliberations resulted in meaningful recommendations and action points having implications for policy makers, educationists and researchers which will be useful to address the gender gap and empowerment of women for sustainable rural development in agriculture.



Mahila Kisan Diwas Organised



The University in collaboration with Jambh Shakti Trust organised Mahila Kisan Diwas on October 16. The Vice-Chancellor, Prof. K.P. Singh, while speaking as the Chief Guest on the occasion said that women are an important pillar of our society. They should be given equal opportunities with

their male counterparts. Her contribution to agriculture is very commendable. Apart from crop cultivation, she plays a dynamic role in animal husbandry also. The knowledge given to them about farming and animal husbandry will prove very useful in the development of agriculture sector. Keeping this in view

CCSHAU has been organising trainings to improve their skills, he said.

As the theme of the Mahila Kisan Diwas was awareness about biogas and vermicompost, he said that both these technologies are very useful in the management of dung and crop residue. Unemployed youth can gain economic returns with these technologies.

Dr. M.K. Garg, Officer on Special Duty, hoped that farm women will surely adopt both these technologies. Dr. R.K. Jhorar, Dean, College of Agricultural Engineering & Technology, Dr. Yadvika, Coordinator of the programme and Mr. Vikas Godara, Director, Jambh Shakti Trust also addressed the trainees.

National Seminar On Agrometeorology For Sustainable Development



A three-day National Seminar on Agrometeorology for Sustainable Development was organised with Special Emphasis on Agrometeorological Practices for Climate Resilient Farming and Food Security at the University from October 12-14. The seminar was jointly organised by CCSHAU and Association of Agrometeorologists.

In this seminar, Dr. K.J. Ramesh, Director General, India Meteorology Department, New Delhi, was the Chief Guest and Prof. K. P. Singh, Vice-Chancellor, CCSHAU presided over the function. About 300 researchers, scholars, scientists and stakeholders from SAUs, IMD, IITM, ICAR and other institutes participated in the seminar.

Dr. Ramesh said that the effects of climate change are one of the most challenging research topics of the current century. Due to global climate change Indian agriculture and rural development are under stress. The decrease in rainfall in the country and the increase in incidents of extreme rainfall and temperature is a matter of serious concern for India's food security. He called upon the scientists to undertake research on climate change and its impact on agriculture for sustainable food security. Accurate information about weather parameters at the right time can prove to be very helpful for increasing agricultural production. For this, India Meteorology Department has

started an ambitious Gramin Krishi Mousam programme. Agrometeorology departments should make this programme successful and provide crop based agromet advisories in time to the farmers.

The Vice-Chancellor, Prof. K.P. Singh, in his presidential address emphasized on maintaining continuity in agricultural production in the face of challenges posed by climate change (global warming). He said that in view of the changes taking place during the time of sowing and harvesting of crops due to climate change it has become imperative for the scientists to give priority to develop short duration and temperature resistant crop varieties. He said it is also need of the hour that the farmers and other stakeholders are made aware of the consequences of excessive utilization of natural resources and indiscriminate use of chemical fertilizers and other inputs which have been impacting crop production. He also urged the agrometeorologists to explore if

environment study could be incorporated in the curriculum of Agrometeorology Departments of SAUs.

National President of Association of Agrometeorologists and Advisor, Science & Technology Department, Government of India, Dr. Akhilesh Gupta highlighted activities of the Association. Director of Research, Dr. S.K. Sethi, welcomed the guests and the participants while the Dean, College of Agriculture, Dr. K.S. Grewal, proposed a vote of thanks. Head, Department of Agricultural Meteorology and Co-Convenor of the National seminar, Dr. Surender Singh conducted the stage.

A renowned Agrometeorologist and Vice-Chancellor, Kamdhenu University, Gujarat, Prof. Madan Gopal Varshnay, Dr. S. S. Hundal and Dr. O.P. Bishnoi were honoured with Honorary Fellowship for their outstanding achievements in Agrometeorology at national and international level. Among the young scientists, Dr. Ankita Jha, Dr. Ajit Mandal and Dr. Sanatan Pradhan were presented various awards by the Association. Besides, Dr. R.K. Pannu and Dr. Ram Singh were also felicitated on the occasion. An Agromet Application developed by CCSHAU Agricultural Meteorology Department in association with Indian Meteorology Department was launched and two publications and a CD pertaining to the seminar were released.



Afghanistan Delegation Visits CCSHAU



To learn quality seed production techniques, a 15-member delegation from Ministry of Agriculture, Irrigation and Livestock, Islamic Republic of Afghanistan, which comprised officials of government owned seed companies and farm managers, visited the University on October 10.

On arrival at the campus, the delegation was extended a warm welcome. In a meeting chaired by the Vice-Chancellor, Prof. K.P. Singh, the Afghan delegation was presented an

overview of the University. Highlighting significant achievements of the University in the fields of teaching, research and extension, the Vice-Chancellor threw light on agriculture scenario of the state. He said the way CCSHAU has played a pivotal role in making Haryana a leading state in agriculture production, Afghanistan could also get benefited from the agricultural technologies of the University as climate and soil condition of some parts of Afghanistan are similar to Haryana.

He further said that since India and

Afghanistan are friendly countries, CCSHAU would extend every kind of cooperation to Afghanistan in its agricultural development. He also assured the delegation to grant admission to Afghan students who wish to pursue higher education in agricultural field in the University.

On this occasion, CCSHAU officers and scientists including Dr. S.K. Sethi, Dr. Asha Kawatra, Dr. Samunder Singh, Dr. R.S. Sangwan and Dr. Ashok Chhabra apprised the delegation about CCSHAU technologies relevant to Afghanistan.

Later, the delegation was taken on round of pearl millet and cotton research areas as well as Seed Science & Technology Department to expose them to varsity's technologies. Prof. Sain Dass, former Director, ICAR-Maize Research Station, Dr. S.S. Yadav, Advisor to Ministry of Agriculture and Farmers Welfare and Dr. Ram Prakash, Hindustan Insecticides Ltd. also accompanied the Afghanistan delegation.

MoU To Boost Mushroom Production In Haryana



Moving ahead in its public-private partnership programme, the University signed a Memorandum of Understanding (MoU) with Bajwa Mushroom Farm, Kurukshetra district, on December 20. The partnership will help to boost mushroom production in the state and develop trained human force in the use of mushroom production technology.

Prof. K. P. Singh, Vice-Chancellor,

who chaired the programme, said that several excellent technologies are available for commercialization in the University. The private companies, entrepreneurs and farmers can benefit immensely from these technologies. He called upon the University officials to make private companies and progressive farmers aware of these technologies and motivate them for

partnership with the University.

Under the MoU, apart from production of mushroom spawn, fresh mushroom cultivation, mushroom compost preparation, pasteurized spawned compost and casing mixture preparation, Bajwa Mushroom Farm will also undertake skill development of CCSHAU students, farmers and entrepreneurs in mushroom production.

Director of Research, Dr. S.K. Sethi and Dr. Surjit Singh, Head and Principal Scientist, Plant Pathology Department, on behalf of CCSHAU and Mr. Harpal Singh Bajwa, Proprietor, Bajwa Mushroom Farm and Smt. Karmjeet Kaur signed the MoU. Dr. Ashwani Kumar, Director Human Resource Management, Dr. K. S. Grewal, Dean, College of Agriculture and Dr. M.K. Garg, Officer on Special Duty, were also present.

Joint Working Group Meeting Of Indo-Dutch Collaboration



A delegation from Netherlands visited the University to attend Joint Working Group Meeting of Indo-Dutch Collaboration on November 9. The delegation comprised Mr. Wouter Verhey, Counsellor Agriculture, Embassy of Netherlands, Mr. Frederik Vossenaar, Representative, Ministry of Agriculture, Netherlands, Mr. Fokke Fennema, Agriculture Specialist, World Bank, Dr. Arjo Rothuis, Wageneningen University and Research, Netherlands and Mr. Anand Krishnan, Deputy Counsellor, Agriculture.

Prof. K.P. Singh, Vice-Chancellor, chaired the Joint Working Group Meeting. Besides the Netherlands delegation, officials from Agriculture and Farmers Welfare Department, State Agriculture Marketing Board, Haryana Dairy Development Corporation, Fishery Department, Haryana State Horticulture Development Agency, Municipal Commissioner, Hisar Mr. Ashok Bansal and other State officials and CCSHAU Deans, Directors and faculty members were also present in the meeting.

Concern for Brackish Water

Addressing the meeting, Prof. K.P. Singh sought collaboration of

Netherlands in tackling the brackish water problem in Haryana so that this water can be used for irrigation purposes thereby overcoming the water crisis faced by farmers in growing crops. He also asked the delegation to provide expertise for Flower Auction Centre to be established at Gurugram. He highlighted the problem of paddy straw burning and its side effects on environment, public health and safety. Various solutions like biochar project for gas bottling and setting up of demonstration models for management of agri-waste were discussed at length in the meeting.

Project Submitted on Horticulture Centre of Excellence

CCSHAU has submitted a project on Horticulture Centre of Excellence for Protected Cultivation under National Agriculture Higher Education Project in collaboration with Wageningen University and Research, Netherlands. The Joint Working Group felt that there is need of minimizing the post harvest losses, integrated pest management and provide logistic support. In the meeting, it was decided that a project may be

formulated integrating all the aspects by adopting end to end approach which shall be executed in collaboration with Netherlands.

Consensus on Crop Residue Management

On this occasion, a consensus was reached to work jointly on crop residue management, bio defense strategy, protected cultivation, peri-urban and urban horticulture, floriculture and hydroponic vegetables, Indo-Dutch Horticulture Centre at Jhajhar, agri business incubation centre, teacher-student training, exchange programme, special short term training programme and knowledge gap analysis. In near future, under the leadership of Prof. K.P. Singh, a delegation will make a presentation to World Bank on the above aspects for exploring the generation of resources for development of technology and its dissemination by WUR, Netherlands, Haryana Government and CCSHAU. Later, the Netherlands delegation visited Quality Planting Material Centre, Horticulture Experimental Orchard and Machinery Testing Centre at the University.

MoUs Signed With American Universities



CCSHAU will further strengthen its research and academic pursuits with the cooperation of American universities. For this, the University has inked pacts with the University of Illinois, Washington State University and Michigan State University. In the presence of the Vice-Chancellor, Prof. K.P. Singh, Dr. Ashwani Kumar, Director Human Resource Management on behalf of CCSHAU, Kent D. Rosh and Dr. Vijay Singh from University of Illinois, Prof. Lou Ana Simon from Michigan State University and Prof. Kulwinder Gill from Washington State University, signed the MoUs.

Prof. K.P. Singh said CCSHAU will work with these American universities on futuristic agriculture, which besides increasing the agricultural production using minimum resources, will help in doubling the income of farmers. Under these bilateral agreements, the CCSHAU faculty will be trained in getting grants and patents at international level apart from exchange of faculty, students and progressive farmers, technology development and extension and setting up of Centre of Excellence. The technology developed with this cooperation, will also be extended to Asian and African countries under South-South collaboration with US universities.

The MoU with University of Illinois

will focus on science and engineering required to produce sustainable food, biofuels and bioproducts. Development of novel, cost-effective bioprocessing technologies that improve recovery of chemical and phytochemical constituents from biological material and their conversion to higher value industrial products will be taken up. Recovery of natural pigments from crops like maize and several other plant species including weeds will help in meeting the industry demand of natural colours and dyes. Technology will be perfected to generate biofuels from rice straw which is a major challenge today. Crops like sugarcane have great scope to generate biofuels and ethanol and will go a long way in increasing farmers' income. Agronomists, plant breeders and engineers will be working together in achieving this goal.

With Washington State University, CCSHAU has already undertaken a joint project to develop wheat varieties that can tolerate terminal heat stress which is the major reason of lowering wheat yield due to heat and moisture stress prevailing at the time of crop harvest in March-April in North Indian conditions. An increase of one degree celcius lowers wheat productivity by 5% and is a major challenge for wheat breeders.

CCSHAU will also work with

Washington State University on another project on lowering the silica content in both scented and non-scented rice varieties. Lowering the silica content will improve fodder value of paddy and help in meeting the challenge of rice straw management. Also work is being initiated to increase aroma content to find the market of Indian rice in Europe that is presently captured by USA. This will greatly help in increasing

farmers' income that is one of the dream of our Prime Minister.

Dr. Krishna Sugumaran who is working in Kuwait Institute of Scientific Research and has made major inroads in growing vegetable and other soft fruits in soilless system under protected agriculture will work with CCSHAU in conducting research on the effect of LED light of different wavelengths on the quality and production of plants in poly house. This technique requires only one tenth area than the present practices and utilizes minimum resources (water and nutrients) to produce chemical free vegetables which are even better than grown organically. Protected cultivation using LED lighting and Growth Media offers High Density Modular Production Systems, Cultivar Evaluation, Crop Nutrition and Water Use Efficiency. Collaboration with KISR will help in developing sustainable and environmentally safe technologies to mitigate over use of toxic pesticides, pest management through the influence of LED light, productivity and quality enhancement of selected crops in a closed plant factory system.

On this occasion, Dr. Samunder Singh, Convener, International Affairs, Deans, Directors and Scientists of the University were present.

Agricultural Education Day Celebrated



On behest of Indian Council of Agricultural Research (ICAR), December 3, the birthday of Bharat Ratna Dr. Rajendra Prasad, the first Union Minister of Agriculture of India and the first President of independent India, is celebrated every year as Agricultural Education Day.

CCSHAU celebrated the Day by organising various educational events for school and college students. On the occasion, expert lectures by learned

faculty from four international universities, viz. Dr. Karim Maredia from Michigan State University, USA, Dr. Vijay Singh and Dr. Kent D. Rausch from the University of Illinois, USA, Prof. Kulvinder Gill, from Department of Crop and Soil Sciences, Washington State University, USA, and Dr. S. Krishna Kumar from Kuwait Institute for Scientific Research (KISR), were present. To mark the occasion, the University also organised an International Symposium

on Modern Sustainable Agriculture.

This initiative was aimed to develop interest in agriculture and allied sciences among the school and college students, and to encourage them to opt for 'agriculture' as their professional & research career or engage themselves in farming as agri-entrepreneurs.

Speaking as the Chief Guest on the occasion, the Vice-Chancellor, Prof. K.P. Singh, said that agricultural universities have played a crucial role in making the country self-sufficient in foodgrain production. The need of the hour is that all the universities dealing with agricultural sciences globally should join hands and enter into academic collaborations. The agricultural universities should also take measures to generate their own resources to meet the problem of financial crunch.

NSS Pre Republic Day Parade Camp



The University hosted Pre Republic Day Parade Camp of National Service Scheme (NSS) from October 26-November 4. About 200 NSS volunteers from six northern states i.e. Punjab, Haryana, Rajasthan, Himachal Pradesh, Jammu & Kashmir and Union Territory of Chandigarh participated in this ten-day camp.

Prof. K.P. Singh, Vice-Chancellor,

inaugurated the camp. He called upon the youth to develop a sense of devotion towards the nation. He said that the country is paramount for all of us. Its security and development is the moral duty of each one of us. Appreciating the work being done by the NSS volunteers for the welfare of the society, he urged every citizen of the country to follow them.

Mr. S.P. Bhatnagar, Regional

Director, National Service Scheme, New Delhi, while extending the best wishes to the NSS volunteers attending the camp, motivated them for national integration, public service and discipline. Dr. Kependra, Incharge, NSS Unit, Chandigarh, highlighted the activities being performed at the state level by the unit. Dean, College of Agriculture, Dr. K.S. Grewal, lauded the social welfare activities carried out by the NSS volunteers. Earlier, Director of Students' Welfare, Dr. D.P. Nandal welcomed the guests and the participants and said that this is the first time that the Pre Republic Day Camp of National Service Scheme has been organised by CCSHAU. He expressed gratitude to the Vice-Chancellor for the facilities provided for this event. Dr. Bhagat Singh, NSS Coordinator, also addressed the programme.

Chrysanthemum Flower Show



The Chrysanthemum Flower Show & Competitions organised in the University from December 23-24 was a big draw as it witnessed overwhelming response of flower lovers from the University and outside.

This mega event organised by Department of Botany & Plant Physiology in collaboration with Landscape Unit of the University, was inaugurated by Hon'ble Governor of Bihar, Sh. Satyapal Malik. Accompanied by the Speaker, Legislative Assembly, Haryana, Mr. Krishan Pal Gurjar and the Vice-Chancellor, Prof. K.P. Singh. He took round of the flower exhibition and praised the potted Chrysanthemums ever green indoor plants, bonsai, cactus and

succulents displayed at the venue.

The Vice-Chancellor said that this show has gained much popularity among the plant lovers and they eagerly wait for this event every year. Dean, COBS&H, Dr. Rajbir Singh, Controlling Officer, LSU, Dr. S.K. Sehrawat and Head, Botany & Plant Physiology Department, Dr. Renu Munjal were present on the occasion.

Apart from competitions in different plant categories, on the spot drawing & painting, mehndi rachao and rangoli competitions were also held for school and college students. The Vice-Chancellor, Prof. K.P. Singh, distributed prizes to the winners of these competitions.

Governor Visits Quality Planting Centre

On this occasion, the Hon'ble Governor also visited Quality Planting Material Centre and witnessed the work on indigenous and exotic vegetables, arrangement for flower and fruit nursery raising, container gardening, soilless agriculture and vertical farming.



World Food Day Celebrated



World Food Day was celebrated by Centre of Food Science & Technology on October 16. This year, the theme of the World Food Day was 'Change the Future of Migration: Invest in Food Security and Rural Development', for which various competitions were organised for college

and school students.

Prof. K.P. Singh, Vice-Chancellor, was the Chief Guest on this occasion. He distributed prizes among the winners. Dr. S.N. Jha, ADG (Processing Engineering), ICAR, delivered the keynote lecture. He said that presently

food production of the country is 276 metric tons which needs to be increased by 45% by the year 2050. To achieve this, apart from increasing the yield of crops, we need to reduce the loss of agricultural produce during harvesting, storage and transportation. Due to lack of facilities, the country has to bear a loss of Rs. 92,651 crore every year.

Earlier, Dr. Rajbala Grewal, Director, Centre of Food Science & Technology, highlighted the importance and relevance of World Food Day. Dr. Salim Siddiqui, Dean, College of Basic Sciences & Humanities, welcomed the guests and the audience. The winners of the competitions were given away prizes by the Chief Guest.

Agricultural Officers' Workshop-Rabi



A two-day Agricultural Officers' Workshop-Rabi organised by the Directorate of Extension Education in collaboration with Agriculture and Farmers Welfare Department, Haryana, began on November 6. Nearly 250 scientists of the University and officers of the State Agriculture and Farmers Welfare Department participated in the workshop.

Increase Income of Farmers

The Vice-Chancellor, Prof. K.P. Singh, who inaugurated the workshop, said that the new innovations have been made in different fields of science. Agricultural experts should keep an eye on them and identify the inventions useful in agriculture. He said that to increase the production and income of farmers, apart from new technology, there is need of new scientific thinking

also. The government has set a target to double the income of the farmers by 2022, which requires advanced agricultural technology and mechanization. He said various projects have been started by the government from time to time with the aim of increasing the agricultural production. The Agricultural experts should review them and give their suggestions to make these plans more fruitful.

Research & Extension Activities Highlighted

Dr. S.K. Sethi, Director of Research, highlighted research achievements of last one year. Dr. R.S. Hudda, Director of Extension Education, presented detailed report of the extension programmes organised in the state to increase the crop yield and income of the farmers.

Action Plan for Rabi Crops

Additional Director, Agriculture, Dr. Suresh Gehlawat, highlighted the production targets set for the upcoming Rabi season crops and said that all out efforts will be made to achieve these goals. For this, seeds, fertilizers etc. will be provided to the farmers on time and the quality of agricultural inputs will be monitored. He said that in the areas where agricultural production was low last year, special attention will be given to increase production. Consultant Faculty (Home Science), Dr. Neelam Khetarpaul, and Associate Director (Horticulture), Dr. R.K. Godara, also addressed the programme.

On this occasion, the Vice-Chancellor released books on Rabi Crops and Package Practices of Home Science.

Nepali Delegation Visits CCSHAU



A six-member team from Nepal Polytechnic Institute, Nepal, came in the University on a three-day tour to get

information on agriculture. The team was led by Dr. Maheshwar Sapkota.

Upon reaching the University, the

members of the team called on Director Extension Education, Dr. R.S. Hudda. He apprised them about various services being provided to the farmers by the University. He also briefed the Nepalese team about coordination with Haryana's other universities as well as cooperation with universities of other countries.

The team visited College of Agricultural Engineering & Technology, Central Laboratory and the museum. Dr. Maheshwar Sapkota, highly appreciated the work being done at the University.

ISO Certification For Farm Machinery Testing Centre

The Farm Machinery Testing Centre of the Department of Farm Machinery and Power Engineering, CCSHAU, Hisar, has achieved yet another milestone by getting ISO 9001: 2015 certification. Recently, Hon'ble Governor of Haryana, Prof. Kaptan Singh Solanki, inaugurated the Engine Test Lab also.

The Farm Machinery Testing Centre has been testing different agricultural machinery for the last seven years which are manufactured by different industries to ensure availability of quality products to the farmers. The Vice-Chancellor, Prof. K.P. Singh, lauded the efforts made by Er. Mukesh Jain, Incharge of Testing Centre for availing ISO certification. The Testing Centre has released more than 500 test reports till date. On this occasion, Dr. M.K. Garg, OSD to Vice-Chancellor; Dr. R.K. Jhorar, Dean, College of Agricultural Engineering & Technology and Dr. Vijaya Rani, Head, Department of Farm Machinery & Power Engineering were also present.

Award & Honour



Dr. Anil Duhan, Assistant Scientist, Department of Chemistry & Bio-Chemistry, has been awarded prestigious

Post-Doctoral Research Fellowship by Australian Government at CSIRO Laboratory situated in Adelaide. This is an internationally competitive merit-based scholarship programme from Australian Government in which there were large number of applications from scientists all around the world. His research work will help in formulating cost effective management strategies to minimize environmental pollution of pesticides alongwith potential conversion of wastes into a resource and will benefit both Australia and India as northern part of India too have huge volumes of waste from sugar industry.

Workshop On 50 Years Journey Of Haryana: Media Perspective



On the occasion of National Press Day on November 16, Public Relations Office of the University organised a Workshop on 50 Years Journey of Haryana: Media Perspective. Mr. Praful Ketkar, Chief Editor of Organizer Magazine, was the Chief Guest and Prof. K. P. Singh, Vice-Chancellor presided over.

Mr. Praful Ketkar said that maintaining the legacy of the country or the state is the ultimate duty of every citizen. This inspires and guides the new generation which is very essential for the development of the society as well as the country. He said India is recognized worldwide for its religion and culture in which Haryana has a significant contribution. He said that whether it is the agriculture, sports, social or political field, in the last 50 years, this state has contributed a lot. The youth of this state have also been ahead in joining Indian Army and sacrificing their lives to safeguard the borders of the country.

Making a special mention of 'Beti Bachao – Beti Padhao' campaign launched in Haryana, he said, just as the daughters in Haryana are empowered, this needs to be projected on the world screen. He said that we should think about what this state was, what it is now

and how it should be. In this, the media should carry out its responsibility.

Prof. K.P. Singh, Vice-Chancellor, congratulated the media personnel on the Press Day. He said that this programme has been organised specifically to listen to their views about Haryana. He called upon the journalists to project Haryana's progress on the national front. About Haryana, the Vice-Chancellor said that with 4.4 million hectares of land, which is 1.34% of the country's total geographical area, this is a small state. Although the state emerged on the political map of India on November 1, 1966, this region has been known from ancient times for its culture and agriculture. This state has played an important role in the economic and agricultural development of the country. Presently, it has been contributing about 17% in the gross domestic product and leading in the production of Basmati rice as well as many other crops.

On this occasion, Joint Director Human Resource Management, Dr. Aparna conducted the stage while the Media Adviser, Dr. Sandeep Arya, presented a vote of thanks. An exhibition of photographs by press photographers was also organised on the occasion.

Participation in Conferences/Workshops/Trainings

- Dr. S.K. Sehrawat and Dr. B.S. Beniwal, Professors (Horticulture), attended Brainstorming Session-cum-Interaction Meet to identify researchable issues for mechanization in horticultural crops at ICAR-Central Institute of Agricultural Engineering, Bhopal, from October 24-25.
- Dr. Raj Pal Dalal, Assistant Horticulturist, attended and presented paper (poster presentation) in the National Seminar on Agrometeorology for Sustainable Development with Special Emphasis on Agrometeorological Practices for Climate Resilient Farming and Food Security held at CCSHAU, Hisar, from October 12-14.
- Dr. R.S. Kanwar, Principal Scientist & HOD, Dr. Anil Kumar, Assistant Scientist and Dr. Prakash Banakar, Assistant Scientist, Department of Nematology, attended Horticulture Workshop on Nematodes Problem in Horticultural Crops and their Management at Horticulture Training Institute, Karnal, on November 17.
- Dr. Prakash Banakar, Assistant Scientist, attended 3-day Workshop on Natural & Spiritual Farming at CCSHAU, Hisar, from November 28-30.
- Er. Naresh and Er. Swapnil Chaudhary, Assistant Scientists (FM&PE), delivered lecture in Kisan Gosthi on Paddy Straw Management organised at Hansi on November 17.
- Dr. Vijaya Rani, Head, FM&PE, attended and delivered lecture on Paddy Straw Management Machinery at Workshop on Climate Smart Agriculture organised by Department of Agriculture, Government of Haryana, Chandigarh, from October 25-26.
- Er. Anil Kumar, Assistant Scientist (FM&PE), attended Stakeholders' Meet chaired by Mrs. Dheera Khandelwal, IAS, ACS Environment Department, Government of Haryana, held to discuss a consolidated multi-state proposal on Crop Residue Management under National Adaptation Fund for Climate Change (NAFCC) on December 21.
- Er. Mukesh Jain attended and delivered lecture on Farm Mechanization and Bio-industrial Watersheds: Approaches for Increased Income and Reduced Pollution in the Seminar on Managing Climate and Agriculture Transitions in Partnership with Farmers and Scientists organised by International Development Centre Foundation at New Delhi on December 26.
- Dr. Manoj Kumar, Assistant Professor, Department of Mathematics & Statistics, attended National Seminar on Agro Meteorology for Sustainable Development (AGMET 2017) held at CCSHAU, Hisar, from October 12-14.
- Dr. V.K. Phogat, Principal Scientist, Soil Science Department, presented paper and chaired Technical Session during 82nd Annual Convention of ISSS held at Amity University, Kolkata, from December 10-14.
- Drs. R.S. Malik, P.S. Sangwan and Vishal Goyal from Soil Science Department, attended QRT meeting of AICRP on Micro and Secondary Nutrients and Pollutant Elements in Soils and Plants; and Soil Test Crop Response at ICAR-IARI, New Delhi, from October 24-25. In the meeting, Dr. R.S. Malik and Dr. Vishal Goyal presented the quinquennial Report of their respective schemes for the year 2012-17.
- Drs. V.K. Phogat, Ram Prakash, Dinesh Tomar, Vishal Goyal and Rajpaul from Soil Science Department, attended and presented research paper in 82nd Annual Convention of Indian Society of Soil Science held at Amity University, Kolkata, from December 11-15.
- Drs. Jitender Kumar Bhatia and Dalip Bishnoi, Assistant Scientists, Department of Agricultural Economics, participated and presented research papers in National Conference of Indian Society of Agricultural Economics held at Barapani, Meghalaya, from October 12-14.
- Dr. Neeraj Panwar, DES (FM), KVK, Rohtak and Dr. Parminder Singh, DES (Agricultural Economics), KVK, Sonapat, participated and presented a research paper in International Conference on Gender Issues and Socio-Economic Perspectives for Sustainable Rural Development held at CCSHAU, Hisar, from October 23-25.
- Dr. R.K. Grover, Associate Director, HRM, presented a research paper: Spatio-Temporal Growth Analysis of Agricultural Wages in India in Annual Conference of Indian Society of Labour Economics held at Thiruvanthpuram, Kerala, from December 16-18.
- Dr. Parminder Singh, DES (Agricultural Economics), KVK Sonapat, participated in National Faculty Development Programme on Entrepreneurship Development held at NIFTEM, Sonapat, from December 18-30.
- Drs. Omender Sangwan and Karmal Singh Malik, Department of Genetics & Plant Breeding, presented oral presentation in National Seminar on Agro Meteorology for Sustainable Development with Special Emphasis on Climate Resilient Farming and Food Security (AGMET-2017) held at CCSHAU, Hisar, from October 12-14. Dr. Omender Sangwan got second prize in oral presentation.
- Dr. Karmal Singh Malik, Department of Genetics & Plant Breeding, participated in the short course on Enhancing Nutrient Use Efficiency through Next Generation Fertilizers in Field Crops at IIPR, Kanpur, from November 21-30.
- Drs. Somveer and Manmohan, Department of Genetics & Plant Breeding, attended International Seminar on Indo-US Curbing White Fly Plant Virus Pandemics-The Departure from Pesticides to Genomics Solutions held at PAU, Ludhiana, from December 4-5.

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College of Agriculture, Hisar

- The Vice-Chancellor, Prof. K.P. Singh launched the Mobile App Emausamhau on October 12 for farmers of Haryana state. This Mobile App is available in Google Play Store. Farmers and other users can freely download the Mobile App on their Smart phone. It provides information related to agriculture like district weather forecasts, present weather, weather-based crop advisory and crop package and practices of University in Hindi.
- Department of Entomology organised 21-day advance training on



Innovative Strategies of Plant Protection for Insect-Pests Management in Changing Agricultural Scenario under Centre of Advanced Faculty Training (CAFT) from November 8-28. As many as 16 scientists from different SAUs and ICAR Institutes participated in the training.

- Department of Nematology organised a *Sutra Krimi Jagriti Diwas* at Bhuna, Fatehabad, on October 13, to make the farmers aware about nematode problems and their management in protected cultivation and other crops like wheat, rice, cotton, vegetable and fruit crops.
- Department of Soil Science celebrated the World Soil Day at Govt. Senior Secondary School, Dobhi, Hisar, on December 5. Dr. V.K. Phogat, delivered lecture on importance of Soil Health and its Management. Dr. Devraj advocated for integrated nutrient management for maintaining soil health. Dr. Vishal Goyal spoke on importance of soil and water testing and demonstrated the techniques for taking soil samples to

the students of the school. The students took keen interest in all these activities and interacted with the scientists. On this occasion, Dr. Rita Dahiya organised various activities for the students including poster making, slogan writing, declamation and quiz contest. University scientists motivated the school children by distributing prizes to the winners of different activities.

- Department of Agricultural Economics organised training of Agricultural Inspectors working under the scheme cost of cultivation to acquaint them with software designed by funding agency for online data entries from December 6-7.

- Department of Seed Science & Technology organised a Brainstorming Session on Seed Quality Management on October 3. Dr. S.K. Sethi, Director of



Research, was the Chairman and Dr. S.S. Siwach, Ex-Director of Research, was the Co-Chairman of the session. On this occasion, Dr. B.S. Dahiya, Ex-Director of Research, was the Lead Speaker as well as the Chief Guest. As many as 50 representatives from public and private seed sector participated in the programme in which the guidelines for distribution of breeder seed were discussed. To enhance the public private partnership, the need of registration in the University was emphasized to maintain seed quality and uniform seed distribution.

- Department of Horticulture organised training on Post Harvest Handling of Horticultural Produce for students from November 14-22.
- Mr. Basavaraj K. and Mr. P.R. Verma,

Plant Pathology Department, were honoured with Best Ph.D. Student Competition Award in the International Conference organised by Indian Society of Mycology & Plant Pathology and Department of Botany, University of Rajasthan, Jaipur, from November 1-4.

- Mr. Kumar Saurabh, Plant Pathology Department, has been conferred Best Poster Presentation Award in National Symposium organised by SKUAS&T, Jammu and IPS, IARI, New Delhi, from November 13-14.

- Ms. Pooja Sangwan, Plant Pathology Department, bestowed upon Scientist Associate Award in International Conference held at MPUA&T, Udaipur, from December 2-4.

- Ms. Mamta, Ph.D. Student, Plant Pathology Department, attended and presented poster in International Conference on Global Research Initiatives for Sustainable Agriculture and Allied Sciences held at MPUA&T, Udaipur, from December 2-4.

- Ph.D. (Agribusiness) has been started in the Department of Business Management from the current academic session 2017-18.

College of Basic Sciences & Humanities

- Department of Sociology conducted a three-month Certificate Course on Panchayati Raj & Rural Development for elected representatives of Panchayati Raj Institutions from September 8-December 7. This course will be conducted in future also as per MoU between CCSHAU and HIRD, Nilokheri (Karnal).

I.C. College of Home Science

- Department of Extension Education & Communication Management organised a rally on *Swachh Bharat Abhiyan* and *Beti Bachao-Beti Padhao* in village Kaimari on December 16. The rally was organised by undergraduate Home Science students under the

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course "Programme Development for Rural Families" under the guidance of Dr. Rita Goyal and Dr. Rajesh Dahiya. Seventy-four students along with ten anganwadi workers, panchyat members, school students and rural women took part in the rally. During procession, students also gave tips on environmental sanitation by proper management of waste. They requested Sarpanch for Pucca drainage system in the village and also emphasized on girls education.

- EECM Department under RKVY project organised eight trainings, two each on value added products of cereals and pulses, fruit and vegetable preservation and post harvest management, handicrafts and bag making during the months of November and December, 2017. A total of 200 BPL rural women from Kirara, Kaimri, Chirod, Rawat Khera and Kunger, Bhaini Kagsar, Narnaund, Mangali, Chamar Khera, Rajthal, Sulchani and Sanchale Ki Dhani villages from Hisar, Fatehabad and Bhiwani districts attended the trainings. Expert lectures on various aspects were organised and incentives were distributed for starting small scale units.

- A training programme on Bakery and Confectionery was organised by Department of Foods & Nutrition in collaboration with Directorate of



Students' Welfare from November 7-21. Dr. Sangeeta Chahal Sindhu was the Coordinator of the training. Twenty-five students of the University who attended the training, were enlightened about basic principles of baking and various home scale baking techniques. At the valedictory function of the training, Chief Guest, Dr. Asha Kawatra, Dean, Post

Graduate Studies, gave away certificates to the participants and released a training manual.

- An educational tour of final year professional elective and PG students of EECM Department was conducted from November 13-14. The students visited Asian Academy of Film and Television, Film City, Noida and ZEE NEWS office at Noida. Lectures were arranged for them on news, film and television production by Mr. Sachin, News Reader, ZEE NEWS, Mr. Sandeep Marwah, Director, Marwah Film Institute and other experts. Dr. Sushma Kaushik, Dr. Seema Rani and Mr. Sultan Singh accompanied the students.

- 2nd Annual Conference on Mental Health and Domestic Violence was organised by Society for Rural Mental Health in the College from October 28-29.

- Agriculture Education Day was celebrated in village Kaimari by EECM Department on December 3. Dr. Kanta Sabharwal and Dr. Rajesh Dahiya organised slogan and poster making competition on Role of Women in Agriculture at Govt. Girls Sr. Secondary School, Kaimari. The aim of this event was to inspire and attract the students towards agriculture education. Sixty students of class X, XI and XII participated in the above events. Prizes were distributed to the winners.

- *Kishori Diwas* was celebrated by HDFS Department in collaboration with ICDS at village Mangali on November 21. More than 50 adolescent girls participated in Mahendi Rachao, Rangoli and slogan writing competitions and won prizes. These *Kishories* were educated about ways of better adjustment in family and society as a whole.

Comptroller Office

- As many as 41 GPF and 7 CPF (final payments) and 166 GPF and 13 CPF (loan advances) have been cleared between October 1 and December 31. Twenty six employees of the University

who retired on attaining the age of superannuation during this period were felicitated at special functions by presenting mementoes and shawls by the Vice-Chancellor, Prof. K.P. Singh.

Registrar Office

- This year Entrance Test has been introduced for admission to Ph.D. programme in different disciplines in all constituent colleges of the University. In the maiden Entrance Test conducted on December 10, out of 338 candidates appeared, as many as 195 have qualified the examination against 73 seats in 31 streams. The counselling for admission was held from December 22-30 and January 17-18. The admission of in-service candidates was, however, made on the basis of merit of qualifying examination.

SNIATTE

- Saina Nehwal Institute of Agricultural Technology, Training & Education organised a total of five trainings for the farmers, unemployed



youth and rural women in various fields of agriculture like bee keeping, mushroom production technology and fruit & vegetable preservation, which benefited 145 participants. It also includes a training on diversification in agriculture conducted in collaboration with Ebro India. Besides this, the Institute also organised two T&V workshops for the State Agriculture/Horticulture Officers and Extension Specialists of KVKs of Hisar zone, which were attended by 86 participants. Five exposure visits were also conducted for the farmers (170) of Haryana and adjoining states. A total of 401 beneficiaries got benefited from different extension activities of this institute during the said period.

Retirements

The following faculty and staff members of the University retired on attaining the age of superannuation during October-December, 2017:

Retirements on 31st October, 2017

S. No.	Name	Designation	Department
1	Dr. K.S. Bangarwa	Professor	Forestry Department
2	Mr. Vikram Singh	SDE (Civil)	XEN (C-II)
3	Mr. Hari Ram	Senior Laboratory Assistant	Microbiology Department
4	Mr. Ram Partap	Water Pump Operator II	XEN (PH)
5	Mr. Ram Naresh	Beldar	Landscape Unit
6	Mr. Krishan Singh	Laboratory Attendant	Regional Research Station, Kaul
7	Mr. Bholu Ram	Animal Attendant	Regional Research Station, Bawal

Retirements on 30th November, 2017

8	Dr. Y.P. Malik	Senior Coordinator	Krishi Vigyan Kendra, Jind
9	Mr. Sushil Garg	Deputy Superintendent	Directorate of Research
10	Mr. Virender Kumar	Senior Scale Stenographer	Directorate of Research
11	Mr. Sher Singh	Assistant	College of Home Science
12	Mrs. Seema Garg	Assistant	Chemistry & Bio-Chemistry Department
13	Mr. Bhan Singh	Senior Laboratory Assistant	MA&UUP Section
14	Mr. Mohan R.	Water Pump Operator II	EO-cum-SE
15	Mr. Mangal Singh	Tractor Driver	Seed Science & Technology Department
16	Mr. Ishwar Singh Rana	Telephone Operator	EO-cum-SE

Retirements on 31st December, 2017

17	Dr. D.R. Aneja	Principal Scientist	Mathematics & Statistics Department
18	Dr. Attar Singh	Senior Coordinator	Krishi Vigyan Kendra, Bhiwani
19	Mr. Sunil Vinayak	Assistant	College of Home Science
20	Mr. Ram Bahal	Laboratory Assistant	Zoology Department
21	Mr. S.C. Bhargava	XEN	EO-cum-SE
22	Mr. Dharam Pal	Water Pump Operator II	EO-cum-SE
23	Mr. Mela Ram	XEN (PH)	EO-cum-SE
24	Mr. Jagdish Chander	Beldar	Regional Research Station, Kaul
25	Mr. Lal Chand	Beldar	Regional Research Station, Bawal
26	Mr. Suraj Bhan	Water Pump Operator II	Soil Science Department

