



# Orchids Newsletter

ICAR National Research Centre for Orchids, Pakyong,  
Sikkim, India-737106



## TRANSFER OF TECHNOLOGY

### Awareness cum Training Programme on Intellectual Property Rights

ICAR-NRCO organized “Awareness cum Training Programme on Intellectual Property Rights” at the institute training hall on 28<sup>th</sup> March, 2018. Mr. Ravi Kishore, Scientist (EB & PGR) delivered lecture on introduction of IPRs and highlighted their importance in agri-horticulture sector and daily livelihood. Various lectures on IPR aspects in Ornamental crops, Plant Breeder Rights, Bio piracy and IPR issues of Orchids were delivered by the



scientists of the institute. More than 30 participants (students and research fellows) attended the training programme. The participants actively participated in the interaction with scientific staff regarding IPR issues. They also visited research farms and laboratories.

### Training Programme on Cultivation of Orchids

Five days training programme on cultivation of orchids and other cut flowers was conducted at ICAR NRC for Orchids during 14-18<sup>th</sup> May, 2018 to the Officials of Dept. of Floriculture, State Govt. of Jammu & Kashmir, Kashmir. During the training programme, lecture on topics like Biotechnological interventions in commercial flowers, IPR issues in ornamental plants, biodiversity management in orchids, production of quality seeds and planting materials, off season cultivation, post-harvest management etc, and practical on propagation



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techniques, potting, repotting, vermicomposting were conducted. The training programme concluded with certificate distribution and address by the Director.

### **Training Programme on Cultivation of Orchids**

Five days training programme on cultivation of orchids and other cut flowers was conducted at ICAR NRC for Orchids during 21-25<sup>th</sup> May, 2018 to the Officials of Dept. of Floriculture, State Govt. of Jammu & Kashmir. During the training programme, lecture on topics like Biotechnological interventions in commercial flowers, IPR issues in ornamental plants, biodiversity management in orchids, production of quality seeds and planting materials, off season cultivation, post-harvest management etc, and practical on propagation techniques, potting, repotting, vermicomposting etc were conducted. The training programme concluded with certificate distribution and address by the Director.



### **Awareness cum Training Programme on Intellectual Property Rights**

“Awareness cum Training Programme on Intellectual Property Rights” was organized at Hee-Gyathang, Dzongu, North Sikkim, Sikkim on 29<sup>th</sup> Nov, 2018. Around 42 farmers participated in the training programme. The inaugural session was addressed by Mr. Ravi Kishore, Scientist (EB & PGR) with a brief introduction about IPRs. Further, he delivered the lecture on Farmers rights, Plant Breeder Rights, PPFRA etc. Dr. T. L. Bhutia, Scientist & Nodal Officer, TSP mentioned Biopiracy and IPR issues of Orchids. All participants actively interacted with the scientific staff regarding IPR issues. During the programme, Smt. Sonam Kripa Bhutia, Panchayat President, Shri. Namrey Lepcha, Vice-President and Smt. Norzey Lepcha, Panchayat also participated.



### **Off Campus Training and Demonstration Programme on Orchid Cultivation**

Off Campus Training and Demonstration Programme on Orchid Cultivation under TSP Project was conducted at Hee-Gyathang, Dzongu, North Sikkim on 29<sup>th</sup> Nov, 2018. The Chief Guest of the programme was Ms Sonam Kipa Bhutia, Panchayat President, Hee-

Gyathang G.P.U. Other delegates present were Nimlay Lepcha, Panchayat Vice-President and Norzey Lepcha, Panchayat, Hee-Gyathang G.P.U. More than 40 farmers from different villages of Dzongu participated in the training programme. Dr. Tshering Lhamu Bhutia, Scientist, ICAR-NRCO, Pakyong and Nodal Officer, TSP welcomed the guests as well as the participants and briefed about the TSP project in details including the objective of the project, the importance of growing orchids for increasing an additional income to the farmers. It was followed by practical demonstration of cultivating orchids by Ajay Bhusal, Technical Officer, ICAR-NRCO, Pakyong. The farmers actively participated in the programme interacting with the experts from the institute clearing all the doubts about orchid cultivation and its problems. More than 300 nos. of planting material of *Zygopetalum* were distributed to the farmers after thorough discussion and demonstration. Mr Ravi Kishore Pamarthi, Scientist, PGR, Geetanjali Pradhan, JRF, ICAR-NRCO, Pakyong also attended the programme.



### **Training programme on orchid cultivation under TSP Project organized**

One day training programme on orchid cultivation was organised at Rumbuk, Sombaria, West Sikkim on 20<sup>th</sup> Dec, 2018 under Tribal Sub Plan project. Around 40 farmers participated in the said training programme. Delegates from the State Department Shri Ongdi Sherpa, D.N Sherpa HDOs, Telmit Lepcha, Ward Panchayat, Guest from Scotland David, Officials from ATMA Sanita Tamang and BTM Shri Dawa T Sherpa and approx. 40 farmers also participated in the programme. The programme started by welcoming the guests. Dr. Tshering Lhamu Bhutia, Scientist and Nodal Officer, TSP, ICAR-NRCO, Pakyong welcomed the guests as well as the participants and briefed about the TSP project in details including the objective of the project, the importance of growing orchids as a component in an integrated farming system for increasing an additional income to the farmers. Dr Ravi Kishore Pamarthi, Scientist ((EB & PGR), ICAR NRCO, Pakyong also delivered an awareness lecture on conservation of orchid species, farmers’ right, etc. It was followed by a meeting cum interaction with the farmers about the problems of growing orchids in the selected area.



## **Awareness cum Training Programme on Intellectual Property Rights organized**

ICAR-NRCO, Pakyong organized “Awareness cum Training Programme on Intellectual Property Rights” at Rumbuk, Sombaria, West Sikkim, Sikkim, on 20<sup>th</sup> Dec, 2018. Around 31 farmers and 04 department officials were participated in the training programme. During the programme, delegates from the State Department Sh. Ongdi Sherpa, HDO, Sh. D.N Sherpa, HDO, Sh. Telmit Lepcha, Ward Panchayat, Mr. David, a guest from Scotland and Ms. Sanita Tamang, ATMA and Sh. Dawa T Sherpa, BTM also participated in the programme. The inaugural session was addressed by Mr. Ravi Kishore, Scientist (EB & PGR) with the welcome of participants and given a brief introduction about IPRs. Further, he explained the importance of Farmers rights, Plant Breeder Rights, PPFRA etc. Dr. T. L. Bhutia, Scientist & Nodal Officer, TSP mentioned about GI and bio piracy of Orchids.



## **Exposure visit of Farmers from Dzongu, North Sikkim**

A team of 30 farmers from Dzongu, North-Sikkim visited ICAR-NRCO, Pakyong on 27<sup>th</sup> Dec, 2018 on exposure visit for Capacity Building-cum-awareness under Tribal Sub-Plan Project for conservation and cultivation of orchids. The team was accompanied by Panchayat President Ms. Sonam Kipa Bhutia and Panchayat Member Ms. Laden Ongmu Lepcha. Dr. Tshering Lhamu Bhutia, Scientist (Horticulture) and Nodal Officer, TSP welcomed the entire participants.



Dr. L.C. De, Principal Scientist (Horticulture) explained and presented slides on importance and significance of Floriculture in Hill Region and also interacted with farmers in various aspects involved in conservation and cultivation of orchids and other ornamental flowers. Farm visits of the institute as well as practical demonstration on planting/repotting of orchids was led by Mr. Ajay Bhusal, Technical Assistant (F/F). At the end of the programme, Dr. D.R. Singh, Director, ICAR NRC for Orchids had an effective interaction with farmers and motivated the farmers, youngsters, and students towards the field of Agriculture as a whole. He also highlighted the various opportunities and schemes of introduce and their implementations by ICAR - Government of India in Agriculture Sector especially in NE & NEH Region.

## EVENTS/ NEWS/MEETINGS ORGANIZED

### Sikkim Organic Day

The institute participated at Sikkim Organic Day held at Saramsa Garden, Ranipool on 16-18<sup>th</sup> Jan, 2018. The Chief Guest of the function was the Hon'ble Chief Minister of Sikkim Shri Pawan Kumar Chamling. Hon'ble Chief Guest visited the stall of the institute and appreciated the work and technology developed by the institute.



### National Conference on Floriculture

National Conference on '*Floriculture for Rural and Urban Prosperity in the Scenario of Climate Change*' was organized by ICAR-NRC for Orchids in collaboration with Government of Sikkim, Central Institute of Horticulture, Nagaland, North East Council, NABARD, Gangtok and Indian Society of Ornamental Horticulture (ISOH), New Delhi at CAE & PHT (CAU), Ranipool, Sikkim during 16<sup>th</sup> to 18<sup>th</sup> February, 2018. Shri Somnath Poudyal, Agriculture Minister, Government of Sikkim was the Chief Guest of the programme and inaugurated the three-day national conference. He highlighted the different initiatives taken by Sikkim government for mitigating climate change. The objective of the 3 days event was to highlight the past achievements and to plan future strategies for floriculture research and development. More than 200 Young researchers, academicians, policy makers, entrepreneurs and faculties from across the research institutes and educational organizations of North East India and the other parts of the country participated and delivered Lead, Oral and Poster presentations on various themes.



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## **Visit of Dr T Janikaram, ADG, Horticulture, ICAR, New Delhi**

Dr T Janakiram, ADG, Horticulture, ICAR, New Delhi along with the Scientists of Department of Floriculture, ICAR-IARI, New Delhi visited ICAR NRC for Orchids on 19<sup>th</sup> Feb, 2018.



## **Visit of Lawngtlai Florists team, Mizoram**

A team of 12 members from Lawngtlai Florist group of Mizoram under the guidance of District Horticulture Officer visited ICAR-NRCO, Pakyong on 25<sup>th</sup> Feb, 2018 as part of awareness and accompany programme tour.



## **Training under Pt. Deen Dayal Upadhyay Unnat Krishi Siksha Yojana**

Five days ICAR sponsored training programme under Pt. Deen Dayal Upadhyay Unnat Krishi Siksha Yojana was organized at Sikkim Kalyan Ashram, Ranipool from 13-17<sup>th</sup> March, 2018. The programme was inaugurated by the Chief Guest Dr. P P Dabral, Dean, CAE&PHT, Ranipool. During the five days training programme various lectures as well as practical session was taken by scientist of ICAR-NRCO, Pakyong,



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ICAR-NOFRI, Tadong, CAE&PHT, Ranipool and Sikkim University on various topics like nutrient management, soil management, mulching, green manuring, vermi-composting, farm implements, protected cultivation, water management, cultivation practices of different flower crops etc. More than 30 farmers participated in the training programme.

## Visits of Parliament Standing Committee

A twelve member team Parliamentary Standing Committee on Agriculture under the Chairmanship of Hukmdev Narayan Yadav visited ICAR NRC for Orchids, Pakyong on 16<sup>th</sup> April, 2018. Dr. D R Singh, Director, ICAR NRCO, Pakyong welcomed the guests and presented an overview of different activities of the institute. The Chairman also had an interaction with all the officials of the institute. He suggested on adopting a coordinated research work, diversified agriculture, and wide technology transfer among the farmers and entrepreneurship. The Chairman and all the members appreciated the various activities being taken up by the institute. The committee suggested to carry out the work on the medicinal orchids as well.



## Meeting with Additional Director MSME, GoI for entrepreneurship development

Dr. D.R. Singh, Director, ICAR-NRC for Orchids conducted meeting with Additional Director MSME, GoI for entrepreneurship development of ICAR-NRC for Orchids, Sikkim on 23<sup>rd</sup> April, 2018.



## Visit of Shri Giriraj Singh, Hon'ble Minister of State, MSME, Govt. of India

Shri Giriraj Singh, Hon'ble Minister of State, MSME, Govt. of India visited ICAR NRC for Orchids, Pakyong on 25<sup>th</sup> April, 2018.



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

XVII<sup>th</sup> Institute Research Council Meeting was held on 8<sup>th</sup> May, 2018 under the Chairmanship of Dr. D. R. Singh, Director, ICAR- NRC for Orchids at the conference hall of the Institute. The Chairman suggested all the scientists to publish research papers for completed experiments in good journals and also to actively participate in MGMG and Swachh Bharat programme. All the scientists presented their achievements of the 2017-18. One new project was presented by Mr Ravi Kishore Pamarthi and has been accepted by the Chairman. All the Scientist and project staff participated in the meeting.



## IV<sup>th</sup> International Yoga Day

IV<sup>th</sup> International Yoga Day was celebrated on 21<sup>st</sup> June, 2018 at training hall of ICAR-NRCO, Pakyong. Scientists, Technical, Administrative, TSM, Project staffs of the institute participated with great enthusiasm and energy in the Yoga Day. Yoga asana started with prayer and all the staffs followed the asana and pranayama practices as per video released by Ministry of Ayush, Government of India.





## MOU Signed with Department of Horticulture, Government of Sikkim

MOU was signed between ICAR-NRC for Orchids, Pakyong and Department of Horticulture, Govt of Sikkim on 16<sup>th</sup> Aug, 2018 for long term collaboration for promotion of orchid cultivation in Sikkim.



## Swachh Bharat Abhiyan

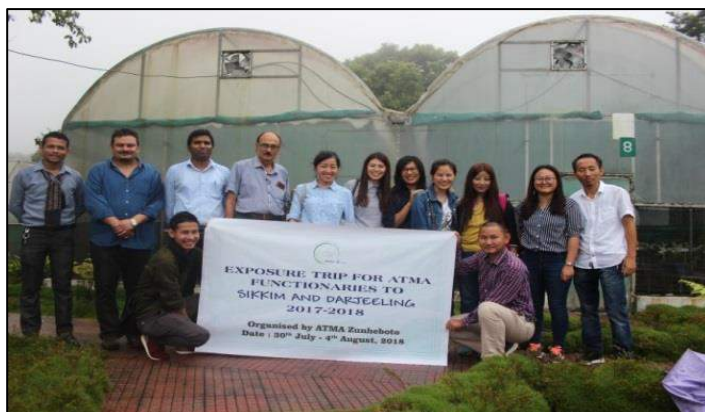
Swachhata Abhiyan was conducted at ICAR-NRC for Orchids on 7<sup>th</sup> April, 2018, 19<sup>th</sup> May, 2018, 26<sup>th</sup> May, 2018, 5<sup>th</sup> June, 2018. On these occasions, collection of leaf moulds was carried out from existing reserved forests and gathered under polyhouses and 20 ornamental trees namely *Euphorbia pulcherrima*, *Arucaria* spp. and *Thuja compacta* was planted at Research Farm, ICAR-NRC for Orchids. All the Scientists, Administrative Staff, Technical Staff, Supporting Staff, Project Staff, TSM and contractual Staff of this institute actively participated in these programmes.



## **Team of ATMA, Zunheboto District of Nagaland visited ICAR-NRC for Orchids, Pakyong, Sikkim**

A team comprising of 11 ATMA members including one progressive farmer of ATMA, Zunheboto District of Nagaland and three members of ATMA, Pakyong Sikkim visited ICAR NRC for Orchids, Pakyong on 1<sup>st</sup> Aug, 2018.

Dr. D.R. Singh, Director ICAR-NRC for Orchids welcomed the participants and interacted with them. During the interaction, he



emphasized the importance of various issues of Agricultural, Horticultural and Floricultural field in connection with the policies and Schemes of government for doubling farmer's income. Further he explained the prospects and importance of orchids in India as well as at global level. The participants visited the fields accompanied by Mr. R.K. Pamarthi, Scientist and Shri Ajay Bhusal, Sr. Technician.

## **Visits of Chairman ASCI & CII, along with Eleven Directors**

A 12 member of Agriculture Skill Council of India visited ICAR NRC for Orchids, Pakyong on 1<sup>st</sup> September, 2018. All the delegates were welcomed by Dr. D.R. Singh, Director, ICAR-NRC for Orchids. He gave a brief presentation on the ongoing research activities of the institute and the importance of orchids on generating employment, its medicinal value etc. It was followed by interaction among the participants followed by field visit. Two important agenda was discussed during the meeting i.e Mass multiplication of commercial orchids through tissue culture and transfer of technology for packaging and value addition of orchids.



## **Visit of Shri Satpal Maharaj Ji, Hon'ble Minister Tourism, Irrigation, Minor Irrigation, Culture, Watershed Management & Indo Nepal-Uttarakhand River Projects**

Shri Satpal Maharaj Ji, Hon'ble Minister Tourism, Irrigation, Minor Irrigation, Culture, Watershed Management & Indo Nepal- Uttarakhand River Projects visited ICAR-NRC for Orchids, Pakyong on 4<sup>th</sup> September, 2018. He was accompanied by eight other officials. Delegates from State Departments, East Sikkim, Scientists, ICAR-NRC for Orchids and

farmers were present during the meeting. The Chief Guest and other officials was welcomed by Dr. L. C. De, Director (I/c), ICAR-NRC for Orchids. He also briefed about the institute's research activities through presentations followed by the interaction session. The Chief Guest along with all the Officials visited the poly-houses of the institute.



## Visit of Gujarat Farmers

A team of farmer from Bharuch districts of Gujarat visited ICAR-National Research Centre for Orchids, Pakyong along with officials of Krishi Vigyan Kendra, Bharuch and Department of Horticulture, Govt. of Gujarat on 19<sup>th</sup> Sept, 2018. During the field visit, the importance of management aspects of Orchid Germplasm conservation and its breeding value were mentioned by highlighting the potential and prospect of Orchid cultivation.



## Swacchhta Hi Sewa

Swacchhta Hi Sewa was organized at ICAR NRC for Orchids, Pakyong from 15<sup>th</sup> Sept to 2<sup>nd</sup> Oct 2018. The programme initiated with pledge taking ceremony by all the staff which was followed by cleaning of the jungles, office premises, nearby areas, organizing program of recitation on Poems, Slogans, Rhymes, Quotes and Songs etc. related to Swachh Bharat for the staff of the institute, awareness programme on cleaning and sanitation at school, organic compost management etc. till 2<sup>nd</sup> Oct, 2018.



## Visits of Hon'ble Minister of State for Tribal Affairs, GoI

The Hon'ble Minister of State for Tribal Affairs Shri Jaswantsinh Bhabor along with officials from the Government of India visited ICAR-National Research Centre for Orchids on 26<sup>th</sup> October, 2018. Hon'ble Minister visited the farm and research facilities of the institute. During the farm visit, Dr D R Singh, Director, ICAR NRC for Orchids highlighted the ongoing research work and technologies developed by the institute. He also briefed about the importance of Orchid Germplasm conservation prospect in the country.



## Vigilance Awareness Week

ICAR-National Research Centre for Orchids observed Vigilance Awareness Week from 29<sup>th</sup> Oct - 03<sup>rd</sup> Nov, 2018. Dr L. C. De, Director, i/c inaugurated the programme and the Integrity Pledge was taken by all the staff of the institute. He highlighted the menace corruption in our daily lives and how we can be vigilant and reduce the corruption. The Administrative Officer (i/c) of the institute Sri Arvind Kumar Chauhan appraised the participants about step taken to eliminate the chances



of corruption. He told about e-procurements, digitization of office records, e-tendering, biometric for attendance etc. He emphasized that increasing transparency we can reduce the corruption. Posters and banners were displayed. Lectures were organized at the centre so that staff can be made aware about the rules and regulation concerning with administration and finances. Important of them were drawing and settling the advances, estimating the work and executing it so that it is not split, claiming TAs, and entitlement of various kinds of leaves etc. Dr Ram Pal, Principal Scientists and Vigilance Officer, ICAR NRC (O), Pakyong briefed about the discussion and deliberations held at the Vigilance Officers' Meeting at NAARM Hyderabad. The relevant literature from NAARM was handed over to AAO & AF &AO for their knowledge.

## Parliamentary Standing Committee on Commerce

ICAR NRC for Orchids participated in Department related Parliamentary Committee on Commerce on 20<sup>th</sup> Nov, 2018 held at hotel Mayfair, Ranipool. The committee had an interaction with Dr. D.R. Singh, Director, ICAR – NRC for Orchids, Pakyong on the various issues related to Orchids Cultivation, Conservation, Production and Management. The issues related to Packaging, Storing, transportation and marketing, to include orchids in crop insurance were also discussed. Some of the technologies developed by the institute like value addition, wealth from orchids waste, Orchid based Integrated farming system can be helpful in to achieving the target of “Doubling Farmers Income”.



## Agriculture Education Day

Agriculture Education Day was celebrated at ICAR NRC for Orchids on 3<sup>rd</sup> Dec, 2018. On the occasion, Dr L C De presented about different agriculture institute, Universities in India and its scope. All the staff of the institute participated in the programme.



## World Soil Day celebrated

World Soil Day was celebrated at ICAR NRC for Orchids on 5<sup>th</sup> Dec, 2018. Dr L C De, Principal Scientist, ICAR NRCO, Pakyong gave a lecture on importance of Soil day through presentation. Farmers from nearby village, all the staff of the institutes participated in the programme.



## Swachhta Pakhwada

Swachhta Pakhwada was organized from 16<sup>th</sup> – 31<sup>st</sup> Dec, 2018 at ICAR NRC for Orchids, Pakyong. On this occasion various programmes like pledge taking ceremony, display of banner, planting of ornamentals, cleaning of offices, farm and nearby areas, quiz, essay competition on Swachh Bharat, etc was carried out.



## PERSONALIA

### New Joining

- Dr. Tshering Lhamu Bhutia, Scientist, Vegetable Science joined ICAR NRC for Orchids w.e.f. 27.06.2018
- Dr. Dr. Bingi Pujari Mallikarjuna (Plant Breeding and Genetics) w.e.f 10.10.2018
- Sh Siddhartha Sarkar Biswas (Soil Science) w.e.f. 10.10.2018
- Sh Ankur Tomar, Technical Assistant (Computer) w.e.f 26.09.2018

### Transferred

- Shri Raj Kumar, Scientist, Floriculture transferred to ICAR CPRI, Shimla w.e.f. 30.06.2018
- Dr N Sailo, Scientist, Plant Physiology transferred to ICAR CPRS Shillong w.e.f. 06.07.2018

### Promotions

- Sh Deepak Khattri, Sr. Technician to Technical Assistant w.e.f. 27.11.2017
- Ms Tshering Chomu Bhutia, Technical Assistant to Sr. Technical Assistant w.e.f 28.02.2019
- Sh R C Gurung, Sr. Technical Assistant to Technical Officer w.e.f 05.05.2018
- Mrs Diki Bhutia, UDC to Assistant w.e.f 02.12.2018

### Study Leave

- Ms Tshering Chomu Bhutia, Sr Technical Assistant for six month PhD programme at Sikkim University, Sikkim w.e.f 02.09.2018.

### Retirement

- Dr. Syamali Chakrabarti, Principal Scientist (Genetics) w.e.f 30.09.2018
- Smt Sita Devi Chettri, TSM w.e.f 31.08.2018

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