



# CHF NEWSLETTER

July-September, 2016

Volume 02, Issue 03

## State Level Interface Meeting for Arunachal Pradesh

College of Horticulture and Forestry, CAU, Pasighat organised Interface Meeting for state of Arunachal Pradesh on 12<sup>th</sup> August 2016. The meeting was chaired by Dr. A. N. Maruya, Ex- Director, Institute of Agricultural Sciences, BHU, Varanasi and



Chief Guest & dignitaries during Interface Meeting for state of Arunachal Pradesh

External Member of College Extension Advisory Committee. While inaugurating the interface meeting Prof. Maurya said that this is unique opportunity to state officials, progressive growers, NGOs and other stakeholders to discuss their agriculture related issues with university personnel and get solved their problems. Besides this, they may give their valuable advice for future research planning. On this occasion Dr. A. K. Pandey, Dean, CHF presented research highlights of the college and deliverable technologies for adoption to the growers. Dr. B.R. Phukan, Head, Department of Extension Education welcomed the

delegates and explained about the present scenario of Horticulture in the state. The meeting was attended by representatives of State Department of Horticulture, Agriculture, Forest, KVKs, and progressive growers, subject matter experts of Horticulture and faculty members.

## 6<sup>th</sup> Meeting of Board of Studies

The 6<sup>th</sup> meeting of Board of Studies was organized on August 22, 2016 at the College of Horticulture and Forestry, Pasighat, Arunachal Pradesh under the chairmanship of the Dean, CHF, CAU, Pasighat. The meeting was attended by external members of BOS Prof. A.N. Maurya, Ex-Director Institute of Agricultural Sciences, BHU, Varanasi and Dr. K.K. Jindal, Ex-Director Research, CAU & UHF, Solan, Himachal Pradesh. Apart from external members, Dr. S.S. Nagra, Director of Instruction, Dr. C.A. Srinivas Murthy, Director of Research, CAU,



Chairman and Members during 6<sup>th</sup> Meeting of Board of Studies

July-September, 2016

CHF Newsletter Vol.02, Issue 03

Imphal; Dr. N. B. Singh, Dean, College of Post Graduate Studies, CAU, Barapani, Meghalaya and Heads of department, SWO, Academic in-charge and student's representative participated in the meeting. The meeting was chaired by Dr.A.K.Pandey, Dean College of Horticulture and Forestry, Pasighat. During the meeting various issues related to strengthening and improving the quality of education was discussed. All the members expressed their unanimous opinion towards adoption and implementation of 5<sup>th</sup> Deans' Committee Report on revised course curricula. The esteemed members also discussed about the effective implementation of experiential learning and Students READY Programme.

### Admission of New Students

New students were admitted for the academic session 2016-17. A total number of 49 students in B.Sc. (Horticulture), 23 in B.Sc. (Forestry) and 20 B.Sc.



Orientation Programme for 1<sup>st</sup> Year Students

(Agriculture) were admitted. Ten students were admitted in M.Sc. (Horticulture) in Fruit Science and Vegetable Science, 03 students in M.Sc. (Forestry) and 04 students in Ph.D. (Horticulture). The orientation programme was organized on 19<sup>th</sup> July, 2016. Apart from CHF faculty, all the newly joined students attended the programme.

### College organized Fresher's Day

Fresher's day was organized at College of Horticulture & Forestry, Pasighat, Arunachal Pradesh on 12<sup>th</sup> August, 2016. While congratulating the newly



Dignitaries on the dais on the occasion of Freshers' Meet 2016

admitted students in various UG courses viz. Horticulture, Forestry and Agriculture, Chief Guest, Dr. A. N. Maurya said that College since its establishment in 2001 has created a unique place in imparting the quality education and this tradition must be maintained in future also. On this occasion, Dr. A. K. Pandey, Dean, College of Horticulture and Forestry while welcoming to all the newly admitted students, appealed to follow university's rule regulation and be well disciplined throughout study period.

### Celebration of 70<sup>th</sup> Independence Day

The 70<sup>th</sup> Independence Day was celebrated at the college with full of traditional fervor and gaiety.

While unfurling the tricolor at Academic building of College of Horticulture and Forestry, Dean, Dr. A.K. Pandey congratulated all students and staff on



Dean, CHF, Pasighat, Dr. A. K. Pandey unfurling the tricolor on the auspicious occasion of 70<sup>th</sup> Independence Day.



the occasion. He said that in past seven decades country has made quantum jump in agriculture and allied sectors, however, our challenges are much more as compared to past. In context of burgeoning population and changing climatic conditions, we have to further strengthen our education system to cope up the situation very efficiently.

### **"Yaad Karo Kurbani" and Colors of Independence**

NSS Unit of College of Horticulture and Forestry, Pasighat celebrated the programme on *Yaad Karo Kurbani* on 13<sup>th</sup> August, 2016. This programme was organized at College by Ministry of Textiles, Govt. of India. NSS Students of College expressed their feelings on independence and paid rich tribute to freedom fighters by making sketches on canvas provided by the ministry of textiles.



NSS Unit of CHF celebrating "Yaad Karo Kurbani" programme organized by Ministry of Textiles, Govt. of India

### **Celebration of Teacher's Day**

As a mark of respect to our beloved President and well known academician Dr. Sarvepalli Radhakrishnan and to recognize teacher's extreme contribution towards building the society, College of Horticulture and Forestry celebrated "Teachers Day" on 5<sup>th</sup> September, 2016. On this very auspicious occasion, students and teachers exchanged their good

wishes. All the Teachers of College of Horticulture and Forestry, Pasighat, expressed their blessing towards the bright future of the students. Speaking on the occasion, dean CHF, Dr. A. K. Pandey said that Teachers tame the lives that they influence because the lessons learned from them remain with their students throughout the life. On this occasion, he cited the famous quote that "A good teacher is like a candle – it consumes itself to light the way of others". Function was also addressed by Dr. B.R. Phukan I/C Academic and SWO, Shri K.S. Tomar.



Teachers of CHF, Pasighat during Teacher's Day celebration

## **TRAININGS CONDUCTED**

### **1. Cultivation, spawn production and processing of Oyster mushroom**

A ten days (w.e.f. 17-26 August, 2016) training programme on "cultivation, spawn production and



Resource person and participants during 10 days training programme on "Cultivation, spawn production and processing of Oyster mushroom"

processing of Oyster mushroom for extension functionaries was inaugurated by Dr. A. K. Pandey, Dean, College of Horticulture and Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh here in the presence of thirty six Agriculture Field Assistant, Govt. of Arunachal Pradesh from thirteen districts of the state, staff of College of Horticulture & Forestry and KVK Pasighat, East Siang District. Speaking on the occasion, Dr. A. K. Pandey emphasized on the cultivation of oyster mushroom in the region for nutritional security and economic prosperity. He also said that College will provide technical support to Agriculture Field Assistants of the region on spawn production technology and processing of the oyster mushroom. Course Director Dr. R.C. Shakywar, Assistant Professor and Principal Investigator of AICRP on Mushroom Project emphasized that mushroom is a new crop of 21<sup>st</sup> Century and this region is well suitable for cultivation of variety of mushroom. Mr. Toge Riba, Subject Matter Specialist, Plant Protection, KVK, Pasighat, East Siang District, A.P. imparted hands on demonstration of mushroom cultivation. Mr. Opang Moyong, Assistant Director Agriculture, GTC Pasighat, East Siang District, A.P. also highlight the package of practices of mushroom production. Dr. P. Raja, Course coordinator proposed the vote of thanks to all the dignitaries and participants. The ten days training programme was sponsored by ICAR-Directorate of Mushroom Research, Solan Himachal Pradesh.

## 2. Parthenium Awareness Week

The National Service Scheme (NSS) Unit of College of Horticulture and Forestry, Central Agricultural University, Pasighat celebrated Parthenium Awareness Week in collaboration with the All India Coordinated Research Project on Weed Management Pasighat Centre and Krishi Vigyan Kendra, East Siang District Pasighat from August 16-22, 2016. Altogether 36 AFO's from different districts of Arunachal Pradesh participated in programme.



NSS Unit of CHF, CAU, Pasighat in collaboration with the AICRP on Weed Management Pasighat Centre and KVK, East Siang celebrating Parthenium Awareness Week.

Mr. Krishna S.Tomar, NSS Programme Officer and Coordinator of the Programme welcomed the volunteers and staff. He informed the house that upon that the NSS unit always joins in social activities and asked that the volunteers to take up this burning problem at village level. NSS volunteers joined the mass eradication parthenium from the roadside of Ranghat area. Shri Kaling Dai, ZPC, Pasighat while expressing the problem of this problematic weed appreciated the work of volunteers.

## 3. Capacity Building Programme for Extension Functionaries on “Integrated Farming System”

A one day on campus training programme on “Integrated Aquaculture cum Horticulture Farming” was organized for Agricultural Field Assistants from all districts of Arunachal Pradesh by Krishi Vigyan Kendra East Siang, College of Horticulture and Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh on 19<sup>th</sup> July, 2016. The objective of the training programme was to acquaint the officers in Integrated Farming System models and develop Master trainers for promoting environmentally sustainable and economically viable technology which encompasses rational utilization of available resources of the farm through Integrated farming approach.

While inaugurating the programme Dr. A. K. Pandey, Dean, College of Horticulture and Forestry, CAU, Pasighat highlighted the need of balance diet and



importance of integrated farming for reducing malnutrition, enhancing food security and income generation. He also gave the slogan of “grow locally and think globally” to the trainees for production of quality fruits and vegetables in the region. Dr. Mahesh Pathak, Programme Coordinator KVK East Siang welcomed the august gathering and briefed about the purpose behind organizing the programme. He urged the participants to promote IFS among farming community of Arunachal Pradesh for livelihood security and economic prosperity. Assistant Director Training from Gram Sewak Training Centre, Pasighat, East Siang, Arunachal Pradesh Mr. Opang Moyong, Mr. Sengo Dini and Mr. T. Jerang also shared their experiences on prevailing IFS system in Arunachal Pradesh. In the programme emphasis was given on



Dr. A. K. Pandey, Dean, CHF, CAU, Pasighat during on campus training programme on “Integrated Aquaculture cum Horticulture Farming” organized by KVK, East Siang District.

different aspect of integrated farming viz. Aquaculture, off season vegetable production, different integrated models and Farm mechanization. All together 36 extension functionaries attend the programme.

## NEWS

### ***Zanthoxylum rhetsa* (Roxb.) DC.- an edible plant with enormous medicinal properties**

*Zanthoxylum rhetsa* is an aromatic tree, known vernacularly as “Indian Prickly Ash”. *Zanthoxylum* comes from the word *Xanthoxylum* which derives from Greek: "xanthon xylon" that means "yellow wood". It is a moderate sized armed tree grows up to 28-32 meters

in height from *Rutaceae* family. Leaves compound, imparipinnate and crowded at the end of branches.



Nine months old plant of *Zanthoxylum*

Leaflets ovate-lanceolate, acuminate, glabrous, scent and oil dots sparsely scattered in the leaflet. The flowers are numerous, small, yellowish green, in terminal panicles. This plant is relished by tribal people as vegetable packed with vitamins, minerals and enormous health related properties. The tender shoot is use as hot spice due to its characteristic aroma and now a day this spice vegetable has also become very popular even to the foreign visitors. Further, various parts of the plant are considered as an aromatic, astringent, antimicrobial, anti-inflammatory, antiseptic and antidiabetic agent, as well as used to treat snake bites, inflammatory dermatosis, cholera, rheumatism, and toothache. All the plant parts like seeds, bark, fruits, branches, thorns are used in different ailments. The fruits and seed are used in the treatment of cough, breathing problems and asthma against stomach worms. Fruits are appetizer; useful in cholera, asthma, bronchitis, heart troubles, piles and relieves hiccup.

Seed oil works anti-inflammatory, dry eczema and dandruff. Bark contains highly effective antibacterial substances particularly for gastrointestinal disorders, aphrodisiac and diuretic. Root bark used as purgative for kidneys. In addition the fruits, seeds, stem bark and heart wood contains furoquinoline and indolequinazoline alkaloids and terpenoids. Characteristic secondary metabolites of *Zanthoxylum* species include lignoids, alkaloids, amides, flavonoids, terpenes, sterols and coumarins. Alkaloids are abundant in the trunk and root bark, and are typically of the isoquinoline and quinolone types. Essential oil in seed characteristic for the odour of the seeds is mainly from limonene, methyl cinnamate and cineole. Presently, due to intensive exploitation of this species from the natural forests of Arunachal Pradesh, there is a very high probability that it will be gradually depleted over time. Dr. Bikram Singh, Assistant Professor, Department of Silviculture and Agro-Forestry, College of Horticulture and Forestry, Pasighat is exerting concerted efforts towards its collection, conservation and characterization.

## HUMAN RESOURCE DEVELOPMENT

### Newly Appointed Teaching Staff

- 1) Dr. Rajan Bawa has joined post of Professor in the Department of Silviculture and Agroforestry on 22<sup>nd</sup> July, 2016.
- 2) Dr. Pranabjyoti Sarma has joined post of Associate Professor in the Department of Vegetable Science on 22<sup>nd</sup> June, 2016.
- 3) Dr. Chandra Deo has joined post of Associate Professor in the Department of Vegetable Science on 23<sup>rd</sup> June, 2016.
- 4) Dr. Ps. Mariam Anal has joined post of Assistant Professor in the Department of Vegetable Science on 27<sup>th</sup> June, 2016.
- 5) Dr. Kalkame Ch. Momin has joined post of Assistant Professor in the Department of Floriculture on 13<sup>th</sup> July, 2016.
- 6) Dr. Ksh. Sumita has joined post of Assistant Nematologist in the AICRP on Nematology on 16<sup>th</sup> June, 2016.
- 7) Mr. L. Shantikumar has joined post of Assistant Professor (Plant Physiology) in the Department of Basic Science and Humanities on 10<sup>th</sup> June, 2016.
- 8) Dr. N. Surmina Devi has joined post of Assistant Professor (Plant Pathology & Microbiology) in the Department of Plant Protection on 15<sup>th</sup> June, 2016.
- 9) Dr. Shivani Dobhal has joined post of Assistant Professor (Tree Improvement & Genetic Resources) in the Department of Tree Improvement & Plant Breeding Genetics on 20<sup>th</sup> June, 2016.
- 10) Dr. Rubee Lata has joined post of Assistant Professor in the Department of Fruit Science on 27<sup>th</sup> June, 2016.
- 11) Dr. N. Devachandra has joined post of Assistant Professor in the Department of Fruit Science on 02<sup>nd</sup> June, 2016.
- 12) Dr. Y. Oken Singh has joined post of Assistant Professor on 02<sup>nd</sup> July, 2016.
- 13) Dr. N. Anandakumar Singh has post of Teaching Associate in the Department of Social Science on 18<sup>th</sup> August, 2016.
- 14) Mr. Asieleavio John has joined post of Teaching Associate in the Department of Forest Product Utilization on 18<sup>th</sup> August, 2016.
- 15) Ms. Punabati Heisnam has joined post of Teaching Associate in the Department of Agronomy on 25<sup>th</sup> August, 2016.

# SEMINARS/SYMPOSIA/CONFERENCES /WORKSHOPS/ GROUP MEETINGS ATTENDED

- 1) Mr. Krishna Singh Tomar, NSS Programme Officer attended Seven Days Orientation Course, sponsored by Ministry of Youth Affairs and Sports, Govt. of India, New Delhi w.e.f. 10<sup>th</sup>-16<sup>th</sup> July, 2016 at Indian Institute of Entrepreneurship, Guwahati, Assam.
- 2) Dr. K. Sumita attended Refresher course on Bio-agents from 18-29 July, 2016 under AICRP on nematodes in cropping system at TNAU, Coimbatore.
- 3) Dr. A.K. Pandey, Dean, College of Horticulture and Forestry, CAU, Pasighat attended Academic Council Meeting organized by Central Agricultural University, Imphal, Manipur on 2<sup>nd</sup> September, 2016 at Imphal.
- 4) Dr. S.D. Warade, Prof & Head, Deptt. of Vegetable Science, College of Horticulture and Forestry, CAU, Pasighat attended Academic Council Meeting organized by Central Agricultural University, Imphal, Manipur on 2<sup>nd</sup> September, 2016, at Imphal.
- 5) Dr. A.K. Pandey, Dean, College of Horticulture and Forestry, CAU, Pasighat, invited by Jawaharlal Nehru College, Pasighat as Guest of Honour in UGC sponsored National Seminar on Development Paradigm in context of Aboriginal Resource Management on September 29, 2016.
- 6) Dr. R.K. Singh Librarian, College of Horticulture and Forestry, CAU, Pasighat attended 75<sup>th</sup> Orientation course sponsored by UGC at BHU, Varanasi w.e.f. 26<sup>th</sup> August to 30<sup>th</sup> September, 2016.

## Distinguished Visitors

Sl. No	Dignitaries	Date of Visit
1.	Prof. A.N. Maurya Ex-Director, Institute of Agril. Science, Banaras Hindu University, Varanasi	August 12, 2016 & August 22, 2016
2.	Dr. K.K. Jindal Ex-Director Research, CAU & UHF, Solan, Himachal Pradesh	August 22, 2016
3.	Mr. Kokom Darang Joint Director (MCP), Directorate of Agriculture, Arunachal Pradesh	August 12, 2016
4.	Mrs. Y.J. Lego Deputy Director of Agriculture, Pasighat, East Siang, A.P	August 12, 2016
5.	Dr. S.S. Nagra Director of Instruction, CAU, Imphal, Manipur	August 22, 2016
6.	Dr. C.A. Srinivas Murthy Director of Research, CAU, Imphal	August 22, 2016
7.	Dr. N. B. Singh Dean, College of Post Graduate Studies, CAU, Barapani, Meghalaya	August 22, 2016
8.	Mr. Jokut Modi Member, Board of Management, CAU, Imphal & Progressive Farmer, Napit Village, District East Siang, A.P.	August 12, 2016





## उद्यान एवं वानिकी महाविद्यालय College of Horticulture and Forestry

केन्द्रीय कृषि विश्वविद्यालय, पासीघाट-७९११०२, अरुणाचल प्रदेश  
Central Agricultural University, Pasighat-791102, Arunachal Pradesh



### TEACHER'S DAY 2016

"A good teacher is like a candle – it consumes itself to light the way of others"

#### Editors:

Dr. A. K. Pandey, Dean, CHF, Pasighat  
Dr. Arunkumar Phurailatpam, Asstt. Professor, CHF, Pasighat  
Dr. Y. Oken Singh, Asstt. Professor, CHF, Pasighat

#### Type set & Layout:

Mr. Ripon Dam  
Mr. Jayanta Kakoti