



National Symposium

on

**Agroforestry for environmental challenges, sustainable land use,
biodiversity conservation and rural livelihood options
3rd-5th December, 2016**

A National Symposium was organized by Indian Society of Agroforestry, Jhansi, ICAR-Central Agroforestry Research Institute, Jhansi, Indian Council of Agricultural Research, New Delhi and South Asia Regional Programme, World Agroforestry Centre, New Delhi, India during 3rd-5th December, 2016 at ICAR- CAFRI, Jhansi. Symposium was inaugurated by Sh. Vijai Sharma, IAS, Former Secretary, Ministry of Environment, Forest and Climate Change & Member, Board of Trusty, ICRAF, Nairobi (Kenya) on 3rd December, 2016. During inauguration Dr. P. S. Pathak, Dr. J. C Dagar, Ex. ADGs (Agron. /AF), ICAR, New Delhi and Dr. B. P. Bhatt were also graced the function.



During symposium three plenary, six concurrent and two poster sessions were organized wherein participants made oral or poster presentations under the four themes including sub themes *viz.* (1) **Agroforestry for environmental services** (Climate change adaptation and mitigation, Natural Resource Conservation & rehabilitation of degraded lands and Ecosystem services), (2) **Agroforestry for food security and rural livelihood options** (System diversification for food and nutritional security, Productivity



enhancement & sustainability and Soil – plant – animal relationship), (3) **Bio resource and energy management** (Improvement and management of planting material, Biomass, biofuel & bioenergy and Biodiversity conservation and utilization of under exploited trees/crops) and (4) **Socio-economic and Policy issues in agroforestry** (National Agroforestry Policy – A way forward for implementation, Socio-economic and gender

issues, Farmer-market-Institute – Industry Interface and Product processing & value addition.

In total about 240 submissions were received from ICAR Institutes, State Agricultural Universities, State Forests Departments, NGOs, Industries and others covering more than 10 States/ Union territories of India. The submitted paper were reviewed and published as ‘Abstract’ and distributed to the delegates at the time of the event. Financial support for the symposium has been received from Indian Council of Agricultural Research, DBT, SERB, NMOOP, DAC & FW, RFS Division NABARD and other agencies.



On the last day (5th December, 2016) Dr. Surendra Dubey, Vice Chancellor, Bundelkhand University was the chief guest of the valedictory function. Dr. Meine van Noordwijk, ICRAF, Nairobi and Dr. P. K. Ghosh were the special invitees of the function. Valedictory function was graced by other dignitaries.



Major Recommendations

The Major recommendations emerged from the three day deliberations are:

- Development of protocols for analysis of environmental and ecological economics attributes of different agroforestry systems on landscape basis.
- Accreditation and gradation of germplasm centres / nurseries of important agroforestry species in different agro-climatic zones of country.
- Developing intensive linkages with industry, market, institutes and other stake holders.
- Development of implements for harvesting agroforestry products such as leaves, pods, fruits etc. and processing upto net utilizable products involving industry.
- Documentation, identification and standardization of climate resilient (such as efficient in CO₂ assimilation, efficient water utilizer, high temperature tolerant, shade tolerant and multi – stress tolerant) agroforestry germplasm.
- Technological preparedness for mitigating challenges of sea level ingression in coastal areas.
- Strengthening research on belowground biodiversity in different agroforestry systems.

Cultural Programme

In the evening on 3rd December, 2016 a cultural programme was also organized. During cultural programme number of events were organized in which students of Sarwati Shishu Mandir patriated. Dr. Javed Rizvi, Regional Director, South Asia

Programme, ICRAF, New Delhi and Dr. S. Bhaskar, ADG (A,AF & CC), ICAR New Delhi were graced the function.



Awards of ISAF

At the time of National Symposium Dr. K.G. Tejwani Award was given by the Indian Society of Agroforestry. The award consists of cash prize of Rupees Ten Thousand and a Citation. The award was jointly given to following Agroforesters /Scientists:

Dr. K.G. Tejwani Award for Excellence in Agroforestry Research and Development for the year 2013-14- Jointly winner- Dr. Salil Kumar Tewari, Prof. & Joint Director, GBPUAT, Pantnagar and Dr. A. K. Handa, Pr. Scientists, ICAR- CAFRI, Jhansi.

Dr. K.G. Tejwani Award for Excellence in Agroforestry Research and Development for the year 2014-15- (joint winner - Dr. JVNS Prasad, ICAR-CRIDA, Hyderabad and Dr. R.C. Dhiman, R&D Centre, WIMCO (ITC-PSPD), U.S. Nagar, Uttarakhand.



Awards for Poster Presentation

At end of the Symposium best poster presentation awards were also given to participants in the First, Second and third categories.



Publications released during Symposium

During National Symposium following publications were released by the chief guests:

1. Abstract
2. Souvenir
3. Hindi Book entitled “Krishi Bagvani:Yojna Avam Prabandhan”
4. Book



WORLD SOIL DAY

ICAR-CAFRI, Jhansi celebrated World Soil Day on 05th December, 2016. On this occasion, the hon'ble Vice Chancellor, Bundelkhand University, Jhansi was the chief guest. About 50 farmers from nearby villages attended the function and received the Soil Health Cards. The chief guest highlighted the importance of soil health and made farmers aware about soil health benefits. Director, ICAR-CAFRI, Jhansi while addressing the farmers and participants, emphasized on importance of soil in sustaining food production and advised the farmers to use fertilizers as per recommendations based on soil tests. In the beginning of function, Dr. Rajendra Prasad (Principal Scientist, Soil Science) informed the farmers about importance of soil's health. He informed farmers about the significance of soil parameters values given in soil health cards. He also talked about how soil test based fertilizer recommendations will help them in achieving maximum production with minimum inputs. All the staff of the institute, including scientists, technical officers, research fellows etc. were present during the program.



Dr. Rajendra Prasad and Dr. Dhiraj Kumar
ICAR-Central Agroforestry Research Institute, Jhansi (U.P.) - 284 003

National Unity Day

National unity Day was organized on 31st October, 2016 to commemorate Sardar Ballabh Bhai Patel birth anniversary. Oath of unity was taken by all staff members on the occasion.

Vigilance Awareness Week

Vigilance Awareness Week was organized from 31st October to 5th November, 2016. During the week slogan competition, lectures were delivered. Oath was taken by all staff members to discourage act of corruption in India.

International Training

An International Training on “Ecosystem Services in Agroforestry: Concept, Theory and Practice” was jointly organized by ICAR-CAFRI with ICRAF, New Delhi under ICAR-ICRAF Collaborative Work Plan from 6th - 9th December, 2016 at Jhansi. Dr. Meine van Noordwijk, Dr. Betha Lusiana and Dr. Kurniatun Hairiah were the Resource Persons of the training. The participants included Scientists and Technical officers from the ICAR- CAFRI, ICAR- IGFRI, Jhansi, RC of IISWC, Datia, AICRPAF Centre and NGO.

Human Resource Development

- Dr. Rajendra Prasad, Pr. Scientist, Dr. Ashok Shukla, RA and Prashant Singh, SRF attended 8th Annual Workshop of ICAR-Network Project on Harvesting, Processing and Value addition of Natural Resins and Gums held during 6-7 October 2016 at College of Forestry, Kerala Agricultural University, Thrissur, Kerala.
- Dr. Dhiraj Kumar participated in the National Seminar on “Soil Health Assessment with Mridaparikshak” during 4th to 5th November, 2016 held at IISS, Bhopal. He presented a poster and got 3rd prized in poster presentation. He also participated in the National Conference on “Management of Microbial Resources for Food security under climate smart ariculture” during 22nd to 24th December, 2016 held at RAU, Pusa (Bihar).He presented invited lecture on “Response of popular varieties of wheat to arbuscular mycorrhizae, grown in common soil types of Central India”.
- Dr. Sudhir Kumar, Pr. Scientist participated and presented invited paper on “Agroforestry intervention in fruit orchards for improving productivity, profitability and sustainability” in 7th Indian Horticulture Congress-2016 during 15th to 18th November, 2016 held at IARI, Pusa, New Delhi.
- Dr. Asha Ram, Scientist participated in 4th International Agronomy Congress during 22nd –26th November, 2016 held at New Delhi, India.
- All the Pr. Scientists, Sr. Scientists, Scientists and Technical Officers participated in the National Symposium on “Agroforestry for environmental challenges, sustainable land use, biodiversity conservation and rural livelihood options” during 3rd-5th December, 2016 at ICAR- CAFRI, Jhansi. The National Symposium was organized by Indian Society of Agroforestry, Jhansi, ICAR-Central Agroforestry Research Institute, Jhansi, Indian Council of Agricultural Research, New Delhi and South Asia Regional Programme, World Agroforestry Centre, New Delhi, India.

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Best Paper award

Dr. R P Dwivedi, Principal Scientist (Agricultural Extension) of ICAR-CAFRI, Jhansi was awarded Best Paper presentation award during National Seminar of Indian Society of Extension Education (ISEE) IARI, New Delhi on 30th November, 2016 held at Rajmata Vijayaraje Scindhia Krishi Vishwavidyalaya, Gwalior (M.P.).

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