

**NATIONAL SEMINAR  
ON  
CULTIVATION, CONSERVATION AND SUSTAINABLE  
UTILIZATION OF MEDICINAL PLANTS FOR  
LIVELIHOOD IMPROVEMENT  
(20-21<sup>th</sup> November, 2019)**

**Organized by  
Department of Forestry  
Faculty of Horticulture  
Uttar Banga Krishi Viswavidyalaya (UBKV)  
Pundibari Cooch Behar, West Bengal**



**Sponsored by  
NMPB, Ministry of AYUSH, Govt. of India**



**Venue**

**Uttar Banga Krishi Viswavidyalaya  
Pundibari, Cooch Behar, West Bengal**



**About the seminar**

Medicinal plants are invaluable natural resources of use to human race, without which the survival of human/ animal race is impossible. There is an enormous diversity of plants which are put into medicinal, beauty care and culinary purposes. Cultivation of commercially important medicinal plants is in high demand as the global community is approaching towards a green and herbal oriented approach. India as a country has thousands of year old traditional medicinal systems which rely solely on medicinal plants. There is a gradual loss of medicinal plants with the increasing demand of plant derived drugs. Majority of medicinal plants are still collected from the wild. This doesnot meet the demand and thereby pave ways to adulterants. The over extraction and ignorant activities cause biodiversity loss. Farm production of Medicinal and Aromatic Plants (MAPs) in these days is extremely vulnerable to underlying climate risk. Sustainable management of these resources requires urgent attention for environmental stability and improvement of livelihood. New income generating opportunities are opening up for rural populations and in particular for small-scale farmers as well as marginal farmers through MAP cultivation. In order to promote medicinal plants sector, Government of India has set up National Medicinal Plants Board (NMPB) which supports policies/programs for overall (conservation, cultivation, trade and export) growth of medicinal plants sector to meet increasing demand for medicinal plants NMBP focusses on *in-situ* & *ex-situ* conservation and augmenting local medicinal plants and aromatic species of medical significance. New generation is not well aware of the various uses of many plants to which it was put before. Thus, there is an urgent need to spread the knowledge and conserve the wild populations of medicinal plant diversity in various forest areas of India.

This National Seminar will provide a scientific platform for all stakeholders to exchange knowledge, discuss issues, share innovations and network with respect to MAP. It will also help traditional communities and researchers to

collaborate for generating more information on nature and its conservation. The seminar aims to highlight the crucial role of medicinal plants cultivation, advances in research and extension towards farming community in an ecological, environmental and economically sustainable way. Department of Forestry Uttar Banga Krishi Viswavidyalaya, Pundibari through this National Seminar will try to highlight the scope of Medicinal Plant Cultivation, Sustainable Utilization, and Conservation based on health care and discuss ways to enhance participation of all stakeholders or the community at large to improve MAP production and management for future uses and livelihood security.

**ABOUT UBKV**

The "Uttar Banga Krishi Viswavidyalaya" ([www.ubkv.ac.in](http://www.ubkv.ac.in)) was established by West Bengal Act XX of 2000 and started functioning from 1<sup>st</sup> February, 2001. The Head Quarter is situated at Pundibari, a rural block in the district of Cooch Behar (with 43 m MSL) which is 13 KM away from the district head-quarters. The University offers undergraduate courses in Agriculture, Horticulture and Technology (Agril. Engineering); postgraduate courses in Agriculture and Horticulture in Agriculture, Horticulture and Forestry. The nearest railway station is New Cooch Behar, which lies in between Kolkata and Guwahati train route. It is 15 KM from Pundibari and 4 KM from Cooch Behar town. It is situated by the side of the national highway (NH 31) which leads from Cooch Behar to Siliguri. The nearest airport is Bagdogra which is 150 KM away from the University Head Quarters.



## ABOUT COOCH BEHAR

Cooch Behar district is located in the northeastern part of West Bengal bordering Assam and Bangladesh. Cooch Behar town, the head quarter of the district which is mainly famous for the Koch Bihar Palace, noted for its elegance and grandeur. Idealized from the concept of classical European style of Italian Renaissance, this magnificent palace was built by the famous Koch king Maharaja Nripendra Narayan in 1887. Another attraction is the Madan Mohan Temple situated in the heart of the Cooch Behar town; constructed by Maharaja Nripendra Narayan during 1885 to 1889. Sagardighi, the huge tank situated in the middle of Cooch Behar Town is also a tourist attraction. It is a popular rendezvous in the evening surrounded by heritage buildings.

Rasikbil, Kholta Ecotourism Spot, Rajpat Mound, Chilapata Reserve Forest, Gorumara National Park and Jaldapara Wildlife Sanctuary are popular tourist destinations nearby and can be visited within a day from Cooch Behar. Doars, Bhutan, Darjeeling or Gangtok can also be approached from here requiring three days.



## CLIMATE:

During the summer season, the mean daily maximum temperature is 36.5 °C (97.7 °F), and the mean daily minimum is 20.2 °C (68.4 °F).

## THEME AREAS

### 1. Production Technology, Improvement and Utilization of Medicinal Plants

- Bio-farming/family/diversified farming for Medicinal Plant Production and quality planting material production

- Cultivation of Medicinal Plants in Agroforestry and in sole Systems
- Sustainable development options for ecosystems management with medicinal plants
- Insect, pest and diseases management in medicinal plants
- Improvement of Medicinal plants through biotechnological tools/genetic improvement
- Product diversification/value addition in medicinal plants
- Use of information technology, GPS, GIS, Remote Sensing and nanotechnology for medicinal plant management and conservation

### 2. Education, training, law, policy, strategies and participation

- Role of traditional knowledge in management and conservation actions
- Ethno-medicinal use of plant resources
- Marketing and extension strategies of medicinal plants
- Women, gender equality, indigenous knowledge of medicinal plants (ITK) and impact of climate change on medicinal plants
- IPR and Farmers right in drug and medicinal plant sector

### 3. Status of Medicinal Plants Resources : *in situ* and *ex situ* conservation

Recent Advances in breeding/improvement of medicinal for quality enhancement

### 4. Training-cum-Farmers Scientist Meet

The farmers, students and scientists will get a good platform for discussing ideas and hands on training on selected MAPs.

## ABSTRACT AND FULL PAPER SUBMISSION

Organizing committee invites delegates/participants to submit abstract for presentation (oral or poster) along with full paper in different technical

sessions. The manuscript/abstract must be in English with the title of the paper, name of Author(s), and designation in MS Word (abstract strictly not more than 500 words). All abstracts must be sent as e-mail attachment to [nmpbseminar2019@gmail.com](mailto:nmpbseminar2019@gmail.com) addressing the Organizing Secretary on or before **05 Nov, 2019**.

Full papers received if received on or before **30 Oct, 2019** will be considered for publication either in a book with ISBN or as a special issue in Journal of Agriculture Technology (NAAS rating-3.39) after peer reviewing. The organizing committee reserves the right to delegate mode of presentation depending on the number of papers and merit of the paper based on originality/novelty of research work on the themes of conference. An area of 4' x 3' feet will be allotted for poster presentation and for oral 15 minutes time will be given for each participant.

## REGISTRATION, FEES AND ACCOMMODATION

Application for registration in the given format can be sent to the Organizing Secretary as per dates.

**Registration fees include Seminar kit, refreshment and food.** Accommodation on request will be arranged with payment basis. Accompanying person will not get conference kit.

Registration Fee	Rs. 1500.00
Registration for UBKV	Rs. 1000.00
Accompanying person (each)	Rs. 1000.00
Students	Rs 500.00
JRF/SRF/Technical Assistants	Rs 750.00
Company/Industry/NGO	Rs 5000.00

## AWARDS

**Best Poster Award** and **Oral Presentation Award** will also be given for each session.

## PATRONS

**Dr. Chirantan Chattopadhyay**  
Vice-Chancellor, Uttar Banga Krishi Viswavidyalaya  
Prof. (Dr.) Tanuja Manoj Nesari  
CEO, National Medicinal Plants Board, New Delhi

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Director of Research, Uttar Banga Krishi Viswavidyalaya

Co-chairman: **Prof. (Dr.) J.C. Jana,**  
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**Prof. (Dr.) Sumit Chakravarty, UBKV, Pundibari**

### Co-Organizing Secretaries

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## REGISTRATION FORM

**“Cultivation, Conservation and Sustainable Utilization  
of Medicinal Plants for Livelihood Improvement”**

Name:

(As in bank account; underline surname)

2. Designation:

3. Affiliation:

4. Email id for communication:

5. Tel. / Mob.:

6. Title of the paper submitted:

7. Choice of theme:

8. No. of accompanying persons

9. Status of payment of Registration

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Signature of the participant