

**FINAL CIRCULAR**

**6<sup>th</sup>**  
**International  
Symposium**



on

Minor Fruits, Medicinal & Aromatic Plants

**November, 24-26, 2022**

**Theme**

Minor Fruits, Medicinal & Aromatic Plants: Health, Wealth and Sustainability

**Organized by**

Uttar Banga Krishi Viswavidyalaya

Pundibari- 736 165, Cooch Behar, West Bengal, India

&

Society for Minor Fruits, Medicinal & Aromatic Plants

&

Cooch Behar Association for  
Cultivation of Agricultural Sciences, UBKV, Pundibari





## PREAMBLE

Agricultural and Natural Resources (ANR) of developing countries not only provide vital food supply, employment, health care and raw materials for billions of their own population but valuable raw materials, cash crops and timber for the developed world population as well. Most of these are minor fruits, medicinal and aromatic plants, which are cheap and readily available. Their potential in nutritional, medicinal, therapeutic and industrial values is well recognized and utilized by the indigenous communities. Many value added products can be obtained from these resources. Many of these minor fruits, other edible plants, medicinal and aromatic plants are now threatened with extinction in their natural habitat due to over extraction, deforestation, and pollution. The deterioration of environmental factors and extinction of biodiversity thus warrants sustainable conservation and documentation of indigenous knowledge base. Since food and phyto-resources are shrinking globally with in population, it is need of the hour to find new alternatives. Thus, these minor indigenous or wild edible fruits and medicinal plants species can aid in crop improvement, ecological and food security. Although these species continue to be maintained by cultural preferences and traditional practices but they still remain inadequately characterized and neglected by research and conservation. Lack of attention indicates that their potential value is under-estimated and under-exploited. It also places them in danger of continued genetic erosion and disappearance.

The information available on these plant resources is scanty. These species have a great potential in the development of herbal enterprise that can be linked with conservation and economic development. Efforts need to be directed towards better maintenance of their resource base, both through *ex situ* and *in situ* conservation methods, to ensure their development and sustainable use by present and future generations. Considering the pivotal role of minor and indigenous fruit and other edible species, medicinal and aromatic plants species in ecological and nutritional security along with sustainable livelihood development of a region, the present symposium will be an endeavour to bring together all the global stakeholders in one platform to share and exchange their research experiences, exchange knowledge, discuss issues, ideas and view, share innovations and net work for the development of minor fruits, medicinal and aromatic plants. This gathering will also help traditional communities and researchers to collaborate for generating more information on these lesser known plant species and its conservation. Further it aims to highlighting the crucial role of ecosystem services towards livelihood and thus is an attempt to relate global millennium goals in order to achieve sustainable development. The Society of Minor Fruits, Medicinal & Aromatic Plants and Uttar Banga Krishi Viswavidyalaya, Pundibari through this International Symposium will also highlight the impact of climate change on these bio-resources and discuss ways to enhance participation of all stakeholders or the community at large to improve their management for ecosystem sustenance and livelihood.

## 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 Kochbihar 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, Jaldapara National Park and Jaldapara Wildlife Sanctuary are popular tourist destinations nearby and can be visited within a day from Cooch Behar. Dooars, Bhutan, Darjeeling or Gangtok can also be approached from here requiring three days.



Cooch Behar Palace



Madan Mohan Temple

## Climate

The winter season starts by mid-November and lasts till end of February. The lowest and highest temperatures recorded as 3.9 °C and 39.9 °C, respectively during winter. So, the delegates are suggested to bring sufficient warm clothes.

## Tour

Tours for the above spots can be arranged on demand.

### How to reach Uttar Banga Krishi Viswavidyalay (UBKV) (venue), Pundibari?

Foreign delegates may reach either New Delhi or Kolkata, then to Bagdogra airport, Siliguri (West Bengal, India). The nearest airports are Bagdogra (150 Km) and Rupsi (100 Km) from the University Head Quarter (Venue). Pre-paid taxis are available at the Bagdogra airport which will drop to UBKV Pundibari. Indian delegates either may also reach Bagdogra airport or can travel by train to New Cooch Behar. Transportation to and from New Cooch Behar Railway station will be arranged by the organizers.

## Technical session

### There will be five technical session in two days symposium

- Theme-1:** Ethnobotanical exploration, traditional knowledge, documentation and utilization, bio-diversity and conservation, biotechnology and genetic improvement
- Theme-2:** Propagation including micro-propagation and nursery management.
- Theme-3:** Cultural practices and organic crop management, crop protection, effect of climate change
- Theme-4:** Pre and post harvest management, processing and value addition; Pharmaceuticals-health and nutrition
- Theme-5:** Economic, trade & marketing and entrepreneurship development, policy platform and grower- industry-stakeholders interface; dissemination and popularizing the benefits

## Call for papers

Organizing committee invites delegates/participants to submit abstract for presentation (oral or poster) along with full paper in different technical sessions as mentioned above. The abstract strictly not more than 500 words, must be in English with the title of the paper, name of author(s), designation and affiliation in MS Word (Justified, Times New Roman and 1.5 lines spacing with margin of 2.5 cm on all sides). For submission of full-length paper, the author guidelines given in the website (<https://www.ijmfmap.in/>) should strictly be adhered to. The full-length research papers after double blind peer review will be published in the ***International Journal of Minor Fruits, Medicinal and Aromatic Plants***. All the abstracts and full length paper must be sent through email as attachment to: **ismfmap6@gmail.com** addressing to the **Organizing Secretary** on or before 15<sup>th</sup> October, 2022.

Abstracts will be published in the symposium proceedings to be released during the symposium. The organizing committee reserves the right to 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 each poster presentation and for oral 15 minutes time will be allowed to each participant.

## Registration, fees and accommodation

Application for registration in the given format along with the stipulated registration fees can be directly transfer to Account as detailed below;

**A/c. Name:** Cooch Behar Association for Cultivation of Agricultural Sce at **Account No.: 33026323337**, bank name **State Bank of India**, UBKV, Pundibari **IFSC Code: SBIN0018606** and **MICR code 736002527** and send the electronic receipt copy along with the registration form. **Registration fees include conference kit, and fooding. Accompanying person will not get conference kit.**

Limited accommodation is available in the guest houses inside the university campus. Request for accommodation of participant must be indicated in the registration form (e- mail, if abstracts are already sent) well in advance to arrange for the same on “first-come- first serve” basis. **Accommodation will be arranged after payment of requisite hotel charges.** The organizers will not be responsible for accommodation if registration is done after 1<sup>st</sup> November 2022 or on the spot. The following hotels are available in vicinity of the university campus and in Cooch Behar town for accommodation within a tariff rate of INR 1500-6000.

Sn	Name of hotel/guest house	Contact no.
1	Skylark Residency at Sriniketan (just near university)	+91 62955 39630; traderalpana8@gmail.com
2	Hotel Royal Palace (Cooch Behar)	+91 95475 70101; +91 97322 81234 hotelroyalpalacecob@gmail.com www.royalpalacehotel.co
3	Hotel Yubraj (Cooch Behar)	+91 97355 26252; hotelyubrajcoochbehar@gmail.com

## Awards and Recognition

Interested candidates are requested to apply or nominate in the given format for the awards with relevant attested documents. **Application without age proof and degree certificates** will be rejected. The awards will be jointly conferred by the organizers. The duly filled application form with all claims pertaining to awards must be mailed to ismfmapp6@gmail.com addressing to the **Organizing Secretary** on or before 15<sup>th</sup> October, 2022. **The applicant/nominee for the awards must register for the conference as par the date and registration fees given below which will include life membership of both the organizing societies including the award processing and other fees.**

**No application is required for best oral and best poster presentation award.**

1. Young Scientist award (below 40 years of age)
2. Senior Scientist award (above 40 years of age)
3. Student scientist of the year award (based on M. Sc. and Ph. D. thesis and publication)
4. Conference awards
  - a. Best oral presentation award
  - b. Best poster presentation award

## Dates to remember

- Closing date for receipt of abstract/full length paper, award nomination and/or award application 15<sup>th</sup> October 2022
- Notification of abstract/full length paper acceptance 20<sup>th</sup> October 2022
- Closing date of early bird registration 15<sup>th</sup> October 2022
- Closing date of late registration and declaration of award recipients 1<sup>st</sup> November 2022



Registration Fees		
Participants/delegates	Early bird	Late /on the spot
Society members (Indians) <b>Applicant/nominee for the awards</b>	INR 2500.00 INR 6000.00	INR 3000.00 INR 6500.00
Society members (SAARC and non-SAARC) <b>Applicant/nominee for the awards</b>	US \$ 40 US \$ 100	US \$ 60 US \$ 150
Faculty members/Scientists (Indians) <b>Applicant/nominee for the awards</b>	INR 3500.00 INR 7500.00	INR 4000.00 INR 8000.00
Faculty members/Scientists SAARC <b>Applicant/nominee for the awards</b>	US \$ 200 US \$ 300	US \$ 250 US \$ 350
Faculty members/Scientists Non-SAARC <b>Applicant/nominee for the awards</b>	US \$ 300 US \$ 500	US \$ 350 US \$ 550
Indian students (Bonafide Certificate required) <b>Applicant/nominee for the awards</b>	INR 1000.00 INR 3000.00	INR 1500.00 INR 3500.00
SAARC students (Bonafide Certificate required) <b>Applicant/nominee for the awards</b>	US \$ 25 US \$ 75	US \$ 50 US \$ 100
Non-SAARC students (Bonafide Certificate required) <b>Applicant/nominee for the awards</b>	US \$ 50 US \$ 150	US \$ 75 US \$ 175
Industry delegates	INR 5000.00	INR 7500.00
Farmers/Growers	INR 500.00	INR 500.00
Accompanying person (Indian)	INR 2000.00	INR 2000.00
Accompanying person (Foreign)	US \$ 100	US \$ 100

## Organizing Committee

### Patron

**Dr. Swarup Kumar Chakrabarti**, Vice Chancellor, UBKV, Pundibari

### Chairman

**Prof. Dr. S N Ghosh**, President, Society of Minor Fruits, Medicinal & Aromatic Plants

**Prof. Dr. Prabhat Kumar Pal**, President, COBACAS and Director Extension Education & Dean, Post Graduate Studies (Actg.), UBKV Pundibari

### Co-Chairman

**Prof. Dr. Prodyut Kumar Paul**, Dean, Faculty of Horticulture & Registrar (Actg.)  
UBKV Pundibari

**Prof. Dr. A. K. Basu**, Secretary, Society of Minor Fruits, Medicinal & Aromatic Plants

**Prof. Dr. C. P. Suresh**, North-Eastern Hill University, Tura Campus, Tura-794002,  
West Garo Hills District, Meghalaya, India

**Prof. Dr. Dibyendu Mukhopadhyay**, Dean, Faculty of Agriculture (Actg.), Uttar Banga Krishi  
Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India

**Prof. Dr. Ashok Choudhury**, Director of Research, Uttar Banga Krishi Viswavidyalaya,  
Pundibari, Cooch Behar West Bengal, India



## International Advisory

**Prof. (Dr.) S. Subasinghe**, University of Ruhuna, Kamburupitiya 81100, Sri Lanka

**Prof. (Dr.) M. A Rahim**, Professor, Department of Horticulture, Bangladesh Agricultural University, Maymensingh – 2202, Bangladesh

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**Dr. Mirza Musayev**, Genetic Resources Institute, Azerbaijan National Academy of Sciences, Azerbaijan

**Dr. Murat Gins**, Russia

**Prof. Md. Mustafikur Rahman**, Plant Conservation and Research Foundation, Bangladesh

**Dr. Rakesh Pandey**, ACSIR & CSIR- Emeritus Scientist, Lucknow, India and President, Phytopathological Society of India

## National Advisory

**Prof. Dr. Apurba Kumar Chowdhury**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India

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**Dr. P. Manivel**, ICAR-Directorate of Medicinal and Aromatic Plants Research, Boriavi, Anand-387310, Gujarat, India

**Prof. Dr. (Mrs.) Deepa H Dwivedi**, Babasaheb Bhimrao Ambedkar University Vidya-Vihar, Lucknow-226025, Uttar Pradesh, India

**Dr. Hare Krishna** (India), Principal Scientist (Horticulture) ICAR-Indian Institute of Vegetable Research Post Bag No. 01; P. O. Jakhini (Shahanshapur) Varanasi - 221 305, Uttar Pradesh, India

**Prof. Dr. Jagadish Chandra Jana**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India

## Local Organizing Committee

### Organizing Secretary

**Prof. Dr. Sumit Chakravarty**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India  
and

**Dr. Nilesh Bhowmick**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India

### Members

**Prof. Dr. Bidhan Roy**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India

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**Dr. Saikat Das**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India

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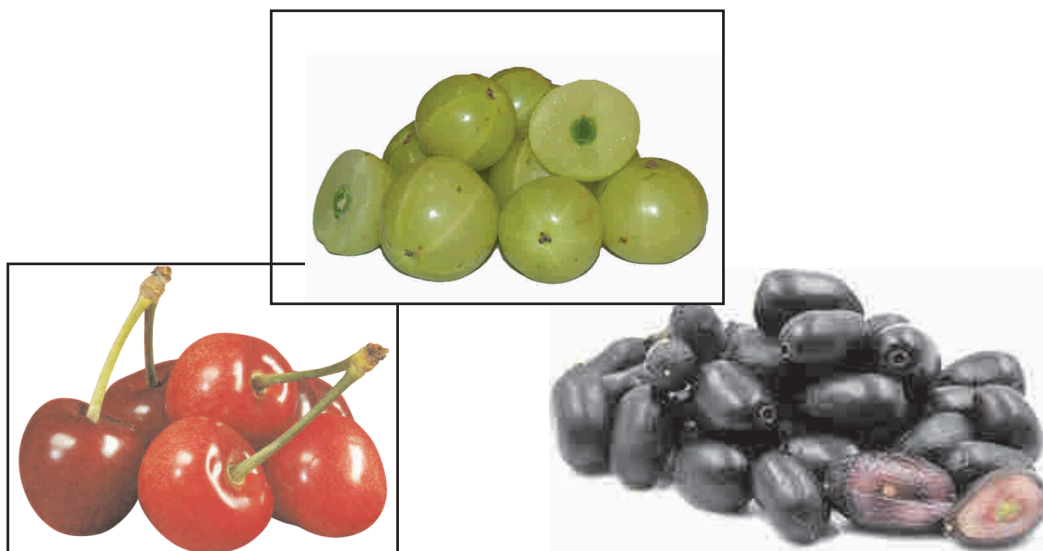
**Dr. Gopal Shukla**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India

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**Dr. Binayak Chakraborty**, Regional Research Station (Terai Zone), Uttar Banga Krishi Viswavidyalaya, Pundibari,  
**Dr. Mutum Preema Devi**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India  
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**Dr. Sarad Gurung**, Regional Research Station (Hill Zone), Uttar Banga Krishi Viswavidyalaya, Kalimpong  
**Dr. Prerna Baraily**, Regional Research Station (Old Alluvial Zone), Uttar Banga Krishi Viswavidyalaya, Majhian  
**Dr. Arpita Mandol Khan**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India  
**Dr. Amarendu Mondal**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India  
**Dr. Subhamoy Sikder**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India  
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**Dr. Babli Dutta**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India  
**Dr. Ramkrishna Sarkar**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India  
**Dr. Srilekha Das**, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar West Bengal, India

## Contact persons

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- **Dr. Nilesh Bhowmick** (Organizing Secretary)  
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- **Dr. Gopal Shukla** (for transportation and accommodation)  
Email: gopalshukla12@gmail.com; Cell: +91 98513 80707, +91 89183 96045



**REGISTRATION FORM**  
**6<sup>th</sup> International Symposium**  
**on**

Minor Fruits, Medicinal & Aromatic Plants

November, 24-26, 2022

(**Venue:** Uttar Banga Krishi Viswavidyalaya, Pundibari- 736 165, West Bengal, India)

Name:

Designation:

Affiliation and address:

Participant/Delegate category (see registration fees section in the brochure):

Corresponding email and mobile (with country code):

Title of abstract/full paper with sub-theme:

Preferred mode of presentation: Oral/Poster

Help in booking of accommodation required: Yes/No (if yes, please mention the range of tariff)

**Online registration fees transfer details with amount:**

**Signature with date**



## Award application form/nomination form

**1. Name of the applicant/nominee and affiliation, designation with address for communication, mail id, mobile number:**

**2. Name of the nominator and affiliation, designation with address for communication, mail id, mobile number:**

**3. Date of birth of applicant/nominee:  
(attach age proof)**

**4. Academic qualification:  
(begin with graduation and attach degree certificate of highest degree)**

*Paste on a passport  
size photo  
of applicant/nominee*

Degree	University	Year of passing	Marks/OGPA	Subject

**5. Past positions held (not for student awards):  
(in chronological order)**

Designation	Institution	From	To

**6. Field of specialization:**

**7. Significant contributions by the applicant/nominee:**

- Measurable and/or potential impact of the applicant's/nominee's work:  
**(not more than 500 words and with documental evidence, if necessary)**
- Application (if any) of R & D work of the applicant/nominee:  
**(not more than 500 words and with documental evidence, if necessary)**
- Summary of outstanding contributions:  
**(not more than 500 words and with documental evidence, if necessary)**
- Specify whether the achievements of the applicant/nominee have been recognized earlier for any other award/recognition: Yes/No  
If yes, following are the award conferred to the applicant/nominee **(with documental evidence)**

Name of award/honour	Sponsoring organization	Year
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v. Technology developed and adoption (*give details*)

vi. Patent (*if any; give details*):

vii. Title of the thesis with abstract (*only for student awards*)

8. Publications of the applicant/nominee (*for last three years from date of application*) with ORCID ID, google Scholar and Research Gate profile (*if not registered yet, create one*)  
(*Give DOI of every publication, if applicable*)

Title of the paper/book chapter/book/policy paper/proceedings/manual/etc.	Journal/Book/source (for research paper/book chapter/any other) give publisher with ISSN, if any)	Year of publication, volume and page number (for books/manuals/etc.	Thompson's Reuter Impact factor (if not then NAAS rating)
Total citations			
h-index			
I10-index			

9. i. Number of students guided/guiding (*not for student awards*)

ii. Any award related to student thesis including best thesis (*give detail*)

10. Numbers of project handled/handling (*for last five years from the date of application and not for student awards*)

Title of the project	Funding agency	Amount sanctioned		Starting and terming date	Published paper, technology developed/recommended, patent

11. Seminar/symposium/conference/congress/workshop/training/school/attended/participated and organized (*for last three years from the date of application*)

Event (National/International) with date and year and organizer	Participant/organizer/Key note address/Chair/Co-chair/Rapporteur of a session/Guest or lead lecture/Evaluator oral or poster presentation	Title of the Paper of presented (oral/poster)	Any award- give detail)

12. Any other information to support the claim for award (*give detail*):

13. Foreign visits: when, why, what for and outcome (*in last five years from the date of application*):

14. Member of any scientific organization (*in capacity*)

15. A concise statement (*strictly not more than 500 words*) highlighting the most important contributions made for citation of award, if selected

(*Signature of the applicant/nominator with name and date*)

**N.B.: If required, separate sheet may be attached**