

**21 Days Advanced National Training Programme (ANTP 2020)**

**On**

**“Recent Scientific Interventions and Practices of  
Sugarcane Breeding, Production and Utilization for  
Doubling Farmers’ Income”**

**December 01 to 21, 2020**



**Organized by**



**ICAR-Sugarcane Breeding Institute**

**Coimbatore – 641007, Tamil Nadu**

**&**



**National Agriculture Development Cooperative Ltd.**

**Baramulla – 193103, J & K**

**(Established Under Self Reliant Co-operative Act, 1999: Under Ministry of Cooperatives)**

**Sub-office: HMT, Zainakote, Srinagar- 190012**

**(website: [www.nadcl.org](http://www.nadcl.org) / email: [info@nadcl.org](mailto:info@nadcl.org) / Contact No. 8899921702)**

## ABOUT ORGANIZATIONS

**The ICAR – Sugarcane Breeding Institute, Coimbatore (SBI)** is the premier and is one of the oldest agricultural research institutes under the Indian Council of Agricultural Research, Established in 1912, the institute had been largely responsible for meeting the sugarcane varietal requirements of the country for the past 10 decades with the dual mandate of developing improved sugarcane varieties and also supporting the sugarcane breeding programmes of over 23 Sugarcane Research Stations in the country. Ever since its inception in 1912, the foremost objective of the Institute is to develop improved sugarcane varieties for different agro-climatic regions of the country. 'Co' canes, developed at the Institute, have contributed immensely not only in the country but also in 28 other countries. Varieties play a major role in sugarcane production, productivity and sugar recovery. The Institute has evolved suitable varieties for farmers and sugar industry. During the 2018-19 season, Co-varieties evolved by the Institute alone covered about 40.90 lakh hectare area, which is about 78.01% of the total area under sugarcane in the country. Co 0238 and Co 86032 continued to be the predominant varieties with about 82.93% and 47.3% area coverage in sub-tropical and tropical regions, respectively. ICAR- SBI is committed for sustainable growth of sugarcane production system with the objective of achieving doubling cane farmers' income by 2022 in the country.

**National Agriculture Development Co-operative Ltd. (NADCL)** was established under Self Reliant Co-operative Act, 1999: under Ministry of Cooperatives with a mission to promote, disseminate and mutual exchange of scientific information of Agricultural Science among the scientific diaspora and stakeholders. NADCL already organized a number of national training courses, awareness programs, international conferences etc. The NADCL was primarily established to serve as a bridge for communication between agriculture scientists, extension workers and farmers. Blending of the influences of these three, bring an effective result in the doubling of farmer's income. Needless to say, the National Agriculture Development Co-operative Ltd. desires to have your co-operation in order to develop atmosphere conducive to aware farmers about innovative agriculture practices to yield best results for the progress of the farming community.

**About Advanced National Training Programme (ANTP 2020)** A Sugarcane is one of the important cash crops grown in India, providing employment to a large number of people. Sugarcane cultivation has brought about several changes in the country's economy like;

- Sugarcane cultivation provides raw material to sugar and gur industry which in turn exert their favourable influence on rural economy.
- Sugarcane cultivation has raised the income of cultivators who are now in a position to allocate more funds to the development of agriculture leading to an increase in productivity. The additional income strengthens purchasing power of the farmers which in turn helps in the improvement of living standard and status.
- Sugarcane cultivation through sugar factories has to a great extent minimized the intensity of rural unemployment and rural-urban migration. The rapid growth of population has resulted in unemployment and consequent rural Urban

migration for seeking jobs. The sugarcane-based industries help to absorb some of the unemployed population. The sugar industry has enhanced agricultural productivity by providing various inputs like fertilizers, machinery, technical know-how, financial assistance etc. The increased sugar production leads to higher export earnings. The allied industries producing alcohol, spirit, chemicals, cattle feeds, fertilizers, papers etc. have also strengthened the economy of the country.

- Fourthly sugar industry is located within the cane growing areas which needs infrastructural facilities like transportation, communication, rural electrification, irrigation, agro-service centers etc.

Keeping in view the above cited importance of sugarcane cultivation the ICAR - SBI, Coimbatore and NADCL, Baramulla are jointly organizing 21 Days Advanced National Training Programme (ANTP 2020) which will facilitate and provide professional, skill based and job-oriented trainings, cum awareness programme to the scientists, teachers and students regarding doubling farmers income through scientific interventions and practices of sugarcane breeding, production and utilization.

**Participants & Eligibility:** The Advanced National Training Programme (ANTP 2020) is open for the scientists, teachers, research scholars, growers, PG students, and marketing personnel.

**Important Dates:**

Last date for receipt of registration form:	25-11-2020
Selection Notification:	29-11-2020
Confirmation of participation:	30-11-2020
Commencement of Training:	01-12-2020

**Venue:** The Advanced National Training Programme (ANTP 2020) will be organized through virtual lecture/ class.

**Requirement for Training:**

The aspirants should be proficient in the following:

- Basic computer skills
- Sending/receiving email
- Sending and receiving attachments via email
- Using a web browser
- Finding web resources through search engines
- Downloading and installing software and/or viewing electronic files
- Familiarity with using browser plug-ins (e.g. PDF reader, video, audio)
- Using a word processing, presentation software, or other productivity applications

- Experience/familiarity with a variety of file formats such as: .rtf "Rich Text Format", .doc or .docx "Microsoft Word Document", and .txt "Text document"
- The ability to be self-directed in learning new technology skills (for example, following a handout, a step-by-step tutorial, online video help, or access to support to learn necessary skills)

### **Mode of Participation:**

The training will be organized in 4 quadrants i.e.,

1. Lecture through video conference,
2. Preparing delivered material that can be downloaded /printed,
3. Self-assessment tests through google classroom assignment/tests/quizzes,
4. An online discussion forum for clearing the doubts.

The above cited steps have to be taken to enrich the learning experience by using audio-video and multi-media state of art pedagogy/technology. In order to ensure that best quality content lecture is delivered course director and his coordinators will monitor the whole training course.

All such candidates who will participate in this training programme through [video conferencing](#) will be deemed to have attended the Advanced National Training Programme (ANTP 2020) and as per the course guideline will be provided certificate of participation.

### **How to Apply:**

Participants can submit online registration form on the site: [www.nadcl.org](http://www.nadcl.org)

### **Registration Fee**

Registrations fees include training documents, participation certificate, postal charges and published training compendium that will be send to all the candidates through speed post. Non-refundable registration fee for Indian participants is given below:

<b>Category</b>	<b>Registration fee before 25 -11-2020</b>	<b>Registration fee after 25 -11-2020</b>
PG Students/ Research Fellows	Rs. 2500/=	Rs. 3500/=
Faculties/Scientists/In-service participants	Rs. 3500/=	Rs. 4500/=
Private Organizations/Industries/etc.	Rs. 4000/=	Rs. 5000/=

**Mode of Payment:** Registration fee can be paid while submitting on line registration form on the site: [www.nadcl.org](http://www.nadcl.org)

### **Chief Patron**

**Dr. T. R. Sharma**, Deputy Director General (Crop Sciences) of Indian Council of Agricultural Research (ICAR), New Delhi.

### **Patron**

**Dr. Bakshi Ram**, Director, ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu.

### **Organizing Director**

**Dr. Ratna Nashine**, Professor and Dean, College of Agriculture and Research Station, Narayanpur, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh.

### **Course Director**

**Dr. G. Hemaprabha**, Principal Scientist & Head-In-Charge, Crop Improvement Division, ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu.

### **Course Convener**

**Prof. (Dr.) Raihana Habib Kanth**, Chief Scientist (Agronomy) Faculty of Agriculture, SKUAST-Kashmir (J & K).

### **Sectional Convener**

**Dr. Dinesh Uddhavrao Lokhande**, Professor, Department of Surgery & Radiology, Mumbai Veterinary College, Maharashtra Animal and Fishery Sciences University, Nagpur.

### **Course Coordinators**

**Dr. K Mohanraj**, Senior Scientist (Plant Breeding) ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu.

**Dr. P. Murali**, Senior Scientist (Agrl. Economics) ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu.

**Dr. Suheel Ahmad**, Sr. Scientist and Officer In-charge, ICAR-IGFRI, Regional Research Station, Srinagar.

**Dr. Javed Iqbal Mir**, Senior Scientist, ICAR-Central Institute of Temperate Horticulture, Srinagar, J & K.

### **Course Co-Coordinators**

**Dr. Sudhir Singh Bhaduria**, Nodal Officer, Agribusiness Incubation Centre, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior, Madhya Pradesh

**Dr. Sheeraz Saleem Bhat**, Scientist, ICAR-IGFRI, Regional Research Station, Srinagar.

### **Co-Convener**

**Dr. Nasir Hamid Masoodi**, Assistant Professor (Floriculture and Landscape Architecture) SKUAST-Kashmir.

**Dr. Manjunatha D R** Assistant Professor & Head, Department of Veterinary Clinical Complex, Veterinary College, Vidyanagar, Hassan, KVASU, Bidar, Karnataka.

**Dr. Ramprasad Nagorao Khandare**, Assistant Professor (Soil Science & Agriculture Chemistry) VNMKV, Parbhani, Maharashtra.

**Dr. Chandra Naik M**, Assistant Professor, Department of Crop Physiology, Agricultural Research Centre, Dhadesugur (University of Agricultural Sciences, Raichur) Karnataka.

### **Organizing Secretary**

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### **Joint Organizing Secretary**

**Dr. Girish Udhavrao Yadav**, Assistant Professor, Department of Surgery & Radiology, Mumbai Veterinary College, Parel, Mumbai, Maharashtra Animal and Fishery Sciences University, Nagpur, Maharashtra.

### **IT Engineer**

**Er. Azfar Farooq**, Srinagar, Jammu & Kashmir.

### **Training Coordinator**

**Dr. R. A. Shah**, Baramulla, Jammu & Kashmir.

### **Coordination Committee**

**Dr. Hemaprabha**, Principal Scientist & Head-In-Charge, Crop Improvement Division, ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu. **Chairman**

**Dr. Dinesh Udhavrao Lokhande**, Professor, Department of Surgery & Radiology, Mumbai Veterinary College, Maharashtra Animal and Fishery Sciences University, Nagpur. **Joint-Chairman**

**Dr. Ratna Nashine**, Professor and Dean, College of Agriculture and Research Station, Narayanpur, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh. **Co-Chairman**

**Dr. K Mohanraj**, Senior Scientist (Plant Breeding) ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu. **Member**

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**Dr. Nasir Hamid Masoodi**, Assistant Professor (Floriculture and Landscape Architecture) SKUAST-Kashmir. **Member**

## Publication Committee

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- Dr. Hemaprabha**, Principal Scientist & Head-In-Charge, Crop Improvement Division, ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu. **Co-Chairman**
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- Dr. Mohammad Ashraf Ahangar**, Assistant Professor (Plant Pathology) SKUAST-Kashmir (J & K). **Member**

### Email to contact: [info@nadcl.org](mailto:info@nadcl.org) and Contact Persons are:

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### **Instructions for filling online form on [www.nadcl.org](http://www.nadcl.org)**

1. Candidates should fill all fields as described. Fee will be calculated automatically based on candidates Workplace and Category
2. Candidates need to have a valid and a functional Phone number and an Email ID. They will receive OTP (one-time password) on the same phone number and email id. It needs to be entered on the form for authentication.

3. Candidates need to upload a passport size photo on the form. Make sure the photograph is less than 100 KB. If your file is bigger, you can compress the file at the following
4. Since this is an online program, candidates should select;
  - ACCOMPANYING PERSON(S): NO
  - ACCOMODATION REQUIRED: NO
5. Payment is to made online through netbanking/debit card/credit card/UPI after registration. No hard copy is required to be submitted.
6. Further Detailed Instructions are on the website registration page i.e. [www.nadcl.org](http://www.nadcl.org)
7. In case of any query, candidates should write an email to [info@nadcl.org](mailto:info@nadcl.org)

### Key Speakers



**Dr. T. R. Sharma**

Deputy Director General (Crop Sciences)  
Indian Council of Agricultural Research  
(ICAR), New Delhi



**Dr. Bakshi Ram**

Director  
ICAR-Sugarcane Breeding Institute  
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