

Accommodation

Guest house accommodation at ICAR-CIRCOT is limited and shall be provided at standard rate on first-cum-first-serve basis for 10 participants on sharing basis. Working lunch during course period will be provided by the institute.

Fees

There will not be any course fee for NARS applicants. The applicant has to bear the expenses of travel, lodging, conveyance and other personal expenses.

How to apply

The interested participants may Email or fax to coordinators.

How to reach CIRCOT

From Airport (Domestic)	: 10 km
From Airport (International)	: 12 km
Nearest Railway Station	: Dadar (1.6 km)
Nearest Bus Stop	: Kopol Nivas, Dr. Ambedkar Rd, Matunga East, Near Five Gardens bus stop
Landmark	: Five Gardens

Organizer

Dr. P G Patil
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Course Coordinator

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Training Programme on Quality Evaluation of Cotton
(For Cotton Breeders/ Scientists)

August 25-27, 2015



Organized by

ICAR- Central Institute for Research on Cotton Technology
Adenwala Road, Matunga, Mumbai 400019
Maharashtra, India

About the CIRCOT

The ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT), located at Matunga in Mumbai, was established in the year 1924. ICAR-CIRCOT, a unit under the Division of Agricultural Engineering of the Indian Council of Agricultural Research (Department of Agricultural Research and Education, Ministry of Agriculture, Government of India) is engaged in research and development activities on cotton technology. Institute is an acknowledged leader for developing new technologies for better utilization of cotton and its by-products and stepped into its 92nd year in 2015 with rejuvenated vision & mission. ICAR-CIRCOT, a bridge between the farmer and the industry has been continually evolving, redefining and serving its purpose as a major research center in the agriculture sector, specifically in cotton/textile technology. To create awareness on the technologies developed, the institute has been organizing various training programmes since last three decades on various aspects of cotton value chain.

About the training programme

Cotton is produced for making various end products that range from high quality shirting to floor mat. Each product requires particular type quality of yarn and cotton fibre. It is well known that the quality of final product mostly depends on the quality of cotton fibre used. Quality of cotton fibre and yarn is specified in terms of its physical characteristics. Commercial value of cotton is determined by its physical characteristics. Hence cotton quality evaluation becomes crucial and important in cotton trade and industry. High Volume Instrument (HVI) is used to find out fibre properties of cotton samples. High Volume Instrument can test cotton fibre properties under two different modes viz., ICC mode and HVI mode. In India, most of the cotton traders and textile industries use ICC mode of High Volume Testing, whereas in cotton producing countries like USA, the HVI mode of testing is in practice. Cotton exporters in India are also familiar with HVI mode of testing as they have to submit HVI mode values to get their produce sold in international markets. In international markets, the transaction occurs mainly using HVI mode fibre properties. In this context, it has been decided to introduce HVI mode fibre quality parameters for the benefit of Cotton Breeders as well as other breeding scientists working in ICAR-AICRP on Cotton.

Agricultural scientists working specially in ICAR-AICRP on cotton want to know the quality aspects of cotton and also about recent developments in instrumental evaluation of quality of cotton.

Hence, this training program is organized to inculcate cotton scientists about the various quality aspects of cotton like fibre length, fineness, strength, maturity, various modes of testing in HVI, Advanced fibre information systems and processing steps namely ginning and spinning which contributes to the quality of cotton and yarn.

This training will be beneficial to all agricultural scientists who are engaged in the cotton improvement program of National Agricultural Research System.

Objectives

To Impart both theoretical and practical knowledge on quality evaluation of cotton fibres

To equip the breeders/scientists with proficiency in understanding the fibre quality attributes

The production of better quality fibres from spinning potential point of view and enhanced value addition

Course content

• Fibre Quality Evaluation using HVI and AFIS

Cotton breeders/scientists have used High Volume Instrument (HVI) as their primary source of fibre quality data when making selections. Fibre data generated by Advanced Fibre Information System (AFIS) technology is also now available which provides additional information on length characteristics and fibre maturity.

• Interpretation of results of HVI and AFIS

The understanding of relationship of different parameters obtained from the both the equipments for better control in decision making.

• Different modes of testing in High Volume Instrument

The training and interpretation of different parameters obtained in ICC mode and HVI mode of testing will be imparted.

• Cotton Quality requirement for different spinning system

The quality requirement of different fibre attributes for various spinning systems in vogue.

• Cotton yarn quality assessment and Lea CSP Norms

The relationship of different fibre quality parameters with CSP and evaluation of some of the important yarn quality attributes.