How to apply

Interested participants may register the google form:
https://forms.gle/u892FDYYiiufR9757

The fee in the form of NIFT/ DD drawn/ at par Cheque in favour of "Director, CIRCOT" payable at Mumbai, may be sent to the below mentioned address so as to reach us on or before 2nd February, 2026.

The Bank account details for NEFT transfer is given below:

Account Name	**Director, ICAR-CIRCOT**
Bank Name	State Bank of India, Commercial Branch, Dadar East, Mumbai –14
Account No.	10001710244
IFSC Code	SBIN0004114
UPI ID	circot@sbi

How to Reach CIRCOT

From Airport (Domestic) : 10 km From
Airport (International) : 12 km
Nearest Railway Station : Dadar (1.7 km)
Matunga (E) and Five Gardens Bus Stop
Land mark : Five Gardens, Matunga East

Organizers

Programme Director : Dr. S. K. Shukla, Director, ICAR-CIRCOT
Course Director : Dr. N. Shanmugam, PS & Head, MPD
Course Coordinators : Dr. T. Senthilkumar, Senior Scientist, MPD
Dr. G. Krishna Prasad, Senior Scientist, MPD
Dr. G. T. V. Prabu, Senior Scientist, MPD
Dr. N. Vigneshwaran, PS & Head, CBPD
Dr. A. K. Bharimalla, PS, E-TTD

Address for Ccorrespondence

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Senior Scientist, MPD, ICAR-CIRCOT
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Mumbai- 400 019
Telefax : +91 22-24127273/76 (Ext- 414)
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Email : senthilcircot@gmail.com

भा.कृ.अनु.प.- केंद्रीय कपास प्रौद्योगिकी अनुसंधान संस्थान

Training on Fibre Reinforced Composite and its Applications

16-18th February, 2026

Organized by

ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT)
D.A.R.E., Ministry of Agriculture & Farmers Welfare, Govt. of India
Adenwala Road, Matunga, Mumbai 400019

Introduction

The ICAR-Central Institute for Research on Cotton Technology (ICAR- CIRCOT) under the Indian Council of Agricultural Research (ICAR) established in the year 1924 is conducting research and development with following mandate:

- Basic and strategic research on processing cotton and its agro-residues, development of value added products and quality assessment.
- Skill development and business incubation services and function as referral laboratory for cotton fibres.

The Institute has been conducting skill development programmes to propagate, encourage and guide entrepreneurs to successfully adopt and market commercially viable technologies and to equip people with best practices in cotton ginning, quality evaluation of cotton fibres and value addition to by-products.

About the training programme

Composites are hybrid materials made of a polymer resin reinforced by fibres, combining the high mechanical and physical performance of the fibres. Composite materials offer higher specific strength and stiffness than other conventional materials. The reinforcing phase, is in the form of synthetic or natural fibres, sheets, or particles, and is embedded in the other materials called the matrix phase. The Indian composites market is a rapidly growing industry, valued at approximately $1.8 billion in 2024 and projected to reach $2.8 billion by 2030. The future of the Indian composites market looks promising with opportunities in pipe and tank, aerospace and defence, wind energy, electrical and electronics, construction, transportation, marine and telecommunication. The depletion of petroleum resources coupled with awareness of global environmental issues has generated the need for new green materials independent of petroleum based resources. The development of completely biodegradable composite materials using bio-polymers has a great scope in future.

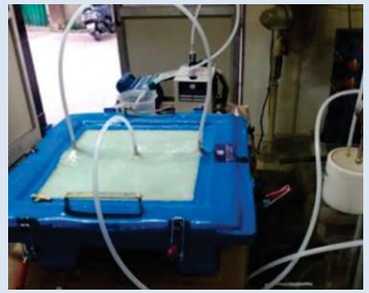
Hence acquiring the basic knowledge is very essential to be effective in the industry and R&D sectors for making better products. ICAR-CIRCOT is actively carrying out research in the field of fibre reinforced composites for many years, with emphasis on lignocellulosic fibre based composite, Nano based bio composite, starch based green composite and nanocomposite for various applications such as cement concrete, paper, agricultural, packaging materials etc.,. Based on the expertise gained in the field of fibre reinforced composites, ICAR-CIRCOT has designed this training programme for the benefit of industry personnel, researchers, academicians and students.

Objectives

- To impart knowledge on reinforcement used in manufacture of composites
- To equip participants with knowledge on resins and bio composites
- To familiarize the trainees about principles of various composites manufacturing process

Course Content

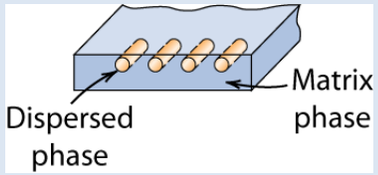
- Introduction to composite materials
- Rreinforcement and matrix
- Composite production techniques
- Characterization of composites
- Natural fibre reinforced composite
- Nanocomposites
- Bio-nanocomposite films for packaging
- Nano fibrous composites for agricultural application
- Rubber composites
- Composite based smart textiles



Vacuum Infusion Moulding

Hands on Training

- Hands-on training on composite preparation
- Demonstration on Bio-nanocomposite films preparation
- Demonstration on particle board preparation
- Industry visit – Rubber Composite unit



Fibre Reinforced Composites

Date and venue

February 16-18, 2026 at ICAR-Central Institute for Research on Cotton, Adenwala Road, Matunga (East), Near Five Gardens, Mumbai 400019.

Accommodation

Guest house accommodation at ICAR-CIRCOT is limited and sharing accommodation shall be provided at standard rate on first-come-first-serve basis.

Fees

- For Industry Personnel & other Govt. Personals : Rs. 15, 000 + GST (18%)
- For Academicians, Students and NARS Personnel: Rs. 7, 500 + GST (18%)

Participants belongs to Schedule Caste and from NEH regions are exempted from paying fees. The entire expenditure of these participants, including travel (restricted to 3 tier AC), boarding & lodging will be borne by the Institute as per the guidelines of Govt of India.