

# 7 ACRDN

Asian Cotton Research & Development Network Meeting

**Theme**  
Production of  
Quality Fibre  
and  
Doubling Cotton  
Farmers' Income

**Organized by**

Indian Society for Cotton Improvement (ISCI)  
Mumbai, India

**In collaboration with**

International Cotton Advisory Committee (ICAC)  
Washington, DC, USA



ICAR-Central Institute for Cotton Research (CICR)  
Nagpur, India

ICAR-Central Institute for Research on Cotton  
Technology (CIRCOT), Mumbai, India

**September 15-17, 2017**

**Venue:**

Hotel Le Méridien,  
Nagpur, Maharashtra, India



7 ACRDN

Asian Cotton Research & Development Network Meeting

September 15-17, 2017 Nagpur



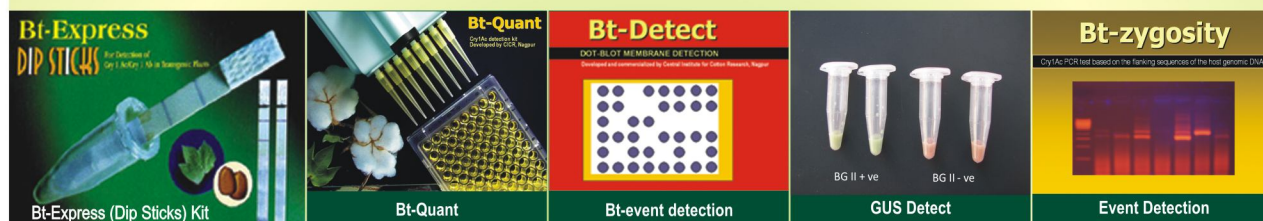
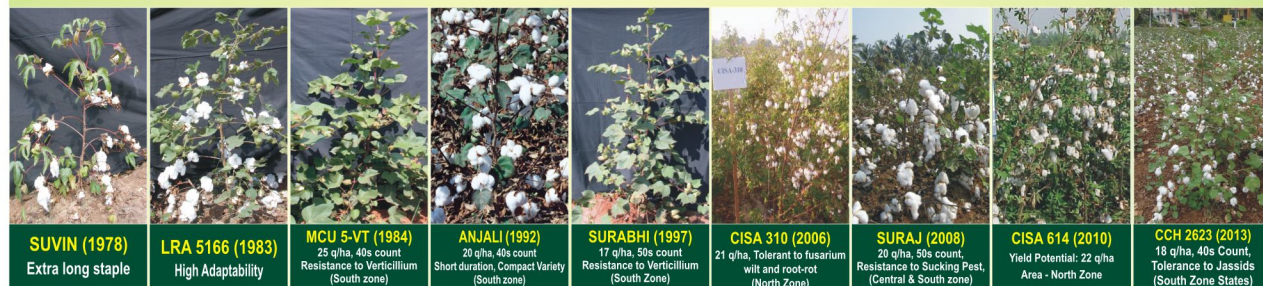


## ICAR-CENTRAL INSTITUTE FOR COTTON RESEARCH

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## VARIETIES AND TECHNOLOGIES DEVELOPED

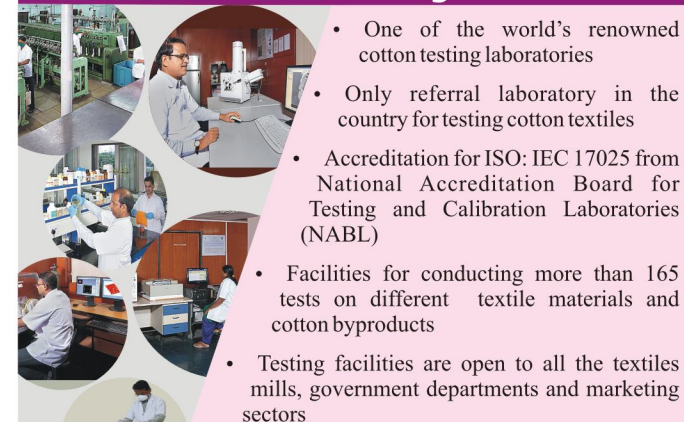


## ICAR - Central Institute for Research on Cotton Technology

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## Commercial Testing Services



## Facilities Available

- Kawabata Evaluation System
- Atomic Force Microscopy (AFM)
- Scanning Electron Microscope (SEM)
- Advance Fibre Information System (AFIS)
- High Volume Instrument System (HVI)
- Gas Chromatography-Mass Spectrophotometer (GCMS)
- Yarn Testing Laboratory
- X-Ray Diffractometer
- DREF Spinning Machine
- Sample Loom

## Agri-Business Incubation Services

Technologies available for Incubation at ICAR-CIRCOT-ABI Centre

- Ecofriendly preparation of Absorbent Cotton
- Nanofinishing Technologies for Cotton Textiles
- Cotton rich blends for functional textile applications
- Innovative Finishing processes for garments & home textiles
- CIRCOT Calibration Cotton for global outreach
- Sustainable business model for cotton at village level
- Microbial Deglossypolization of cottonseed meal

## Products Developed



## Technologies Developed

- CIRCOT-BAJAJ Cotton Pre-cleaner
- Antimicrobial Bedsheets
- Small Scale Ginning & Spinning
- Miniature Spinning System
- Briquettes, Pellets & Particle board from Cotton Biomass
- Accelerated process for making Compost from Cotton Stalk
- Calibration Cotton
- Salt free dyeing process
- Nano finishing of textiles: UV, Antibacterial, Mosquito repellent
- Cotton rich blended textiles
- Production of Nanocellulose from linters
- Deglossypolization technology

## Specialized Training Programmes

- Quality Evaluation of Cotton
- Double Roller Ginning Technology & Basics of Cotton Grading
- Fibre and Yarn Quality Management in Spinning
- Value Addition to Cottonseed
- Absorbent Cotton Technology
- Advances in Microscopy
- Advances in Applications of Nanotechnology
- Synthesis & Characterization of Nanomaterials for Agricultural Applications
- Spectroscopic & Chromatographic Techniques for Material Characterization
- Instrumental Evaluation of Clothing Comfort
- Quality Evaluation & Spinning Performance using Advanced Techniques
- Basic & Advanced Statistical Techniques for Research
- Characterization of Materials Using X-Ray Diffractometer (XRD)
- Post-Hrvest Management of Cotton and Utilization of crop residues (International Training Programmes)

## Pilot Plant Facilities



A Legacy since 1924...