



63rd Joint Technological Conference



वस्त्र मंत्रालय
MINISTRY OF
TEXTILES

Envisioning a self-reliant textile ecosystem with Technical Textiles: Pathways to innovation and sustainability

ABOUT THE EVENT:

The Joint Technological Conference (JTC) is an annual national event organized by India's leading textile research associations, ATIRA, BTRA, SITRA, and NITRA. JTC was established with the purpose of sharing cutting-edge R&D, fostering mutual learning and directly linking research advancements to industry needs across regional textile hubs in India. Over the years, JTC has helped catalyze innovation and drive modernization in the Indian textile industry by ensuring that research findings remain relevant and accessible to practitioners. The 63rd Joint Technological Conference hosted by ATIRA will focus on current and emerging priorities for the textile industry, with particular emphasis on sustainability, technical textiles and advanced manufacturing technologies. The event also features an exhibition of recent technological developments and dedicated networking opportunities designed to support industry engagement, collaboration, and business connections

EVENT HIGHLIGHTS:

- Advancements in Protective, Smart and Agrotextiles
- Sustainability and Natural Fibre Innovation
- Insights on Quality, Testing and Process Optimization
- Strong Focus on functional and Advanced Materials
- Panel discussion with industry experts and policy makers

EVENT DETAILS:



16-17 February, 2026



J.B Auditorium
Ahmedabad Management Association



1500 + GST

Scan to Register



CONTACT US:



jyoti.taskar@atira.in



+91 9879009897



www.atira.in





वस्त्र मंत्रालय
MINISTRY OF
TEXTILES

63rd Joint Technological Conference

Envisioning a self-reliant textile ecosystem: Pathways to innovation and sustainability

Time:	Session Details: 16th Feb 2026	Speaker TRA
9:00 – 10:00 AM	Registration	
10:00 – 11:30 AM	Inaugural Session	TBC
11:30 – 12:00 PM	Tea Break and Expo Visit	
	Session 1: Functional Fabrics	
12:00 PM – 1:30 PM	Development of Graphene-Functionalised Natural Fibers for Wearable Technology and Advanced Composites	ATIRA
	Durable Conductive Graphene Polypropylene Hybrid Fabrics by Plasma Enhanced Vinyltrimethoxysilane Grafting	BTRA
	Nano-Finishing of Fabrics: Assessing Antimicrobial Potential of Copper and Zinc Nanoparticles	MANTRA
	A case study on the processing of bamboo viscose / spandex knitted fabric by continuous process	SITRA
1:30 – 2:30 PM	Networking Lunch	
	Session 2: Fiber and Process Innovation for Technical Textiles	
2:30 – 3:30 PM	Bast Fiber Innovation: Exploring Ramie and Hemp in Technical Textiles	NITRA
	From Fibres to Functional Structures : Radial Braiding technology at ATIRA for Aerospace, Automotive and Industrial applications	ATIRA
	Electrospun Wound Dressings - ATIRA's Capability Expansion for Translational Medical Textiles	ATIRA
3:30 - 4:30 PM	Panel discussion: Building Future-Ready Textile Businesses: Leadership Perspectives on Sustainability Panelists: Mr. Anjani Prasad (Managing Director and Vice President Textile Effects, South Asia, Archroma), Dr. Naresh Tyagi (Chief Sustainability Officer, Aditya Birla Fashion (Aditya Birla Fashion), Mr. Aamir Akhtar (Group President and CEO Jindal World Wide Ltd.), Mr. Devang Thakkar (Member Secretary, GPCB), Mr. Pushkar Shejwalkar (Technical Manager, ZDHC)	
	Session 3: Sustainability	
4:30 – 5:45 PM	Comparative Environmental Impact Assessment of Milkweed and Cotton Cultivation for Textile Applications: A Life Cycle Assessment Approach	NITRA
	Development of Jute Fiber Reinforced Thermoplastic Composites for Sustainable Applications	ATIRA
	Development of sustainable hygiene products from sugarcane bagasse	BTRA

	Development of Insecticide-Free Moth Repellent for Woollen Textiles as a Sustainable Alternative to Toxic Chemical Pesticides.	WRA
5:45 PM onwards	High Tea	
	Day 2: 17 Feb 2026	
9:30 - 10:30 AM	Panel Discussion: From Conventional to Technical Textiles: Diversification Strategies, Skills and Market Opportunities Panelists: Mr. Samir Agrawal (CEO, Arvind Advanced Materials), Mr. Tiru Kulkarni (President, Garware Technical Fibres), Dr. Mahadeb Datta (Joint Director, Technical, National Jute Board), Mr. Ayan Chakraborty (Sr. Vice President and Plant Head, Ginni Filaments), Representative from Gov of Gujarat	
10:30 - 11:00 AM	Tea Break	
11:30 - 12:00 PM	Address by Guest from Gov. of Gujarat	
12:00 - 1:00 PM	Panel Discussion: Cotton at a Crossroads: Balancing Sustainability, Performance and Global Competitiveness Panelists: Lalit Kumar Gupta (Chairman cum MD, CCI), Mr. Ajay Dalal (Founder Secretary, Gujcot), Mr. Kushal Shah (Committee Member at Textile Committee, GCCI)	
1:00 – 2:00 PM	Networking Lunch	
	Session 4: Protech	
2:00 - 3:00 PM	Firefighters' Hoods in India: Pioneering Materials and Design Strategies for Comfort and Safety	NITRA
	Tailoring Flame Retardant Properties in Cotton Fabrics through Plasma Assisted Chemical Treatment	BTRA
	Development flame-retardant Polyamide 66 filament yarn	NITRA
	Session 5: Agro and Geotextiles	
3:00 - 4:30 PM	Development of Alkaline-Resistant Polyester via PVA-Based Coating for Geosynthetic Applications	BTRA
	Evaluating Agrotextile Ground Cover Impact on Purple Cauliflower: Microclimate Modulation and Yield Enhancement	SASMIRA
	Functionalization of Rootball Agro-Packaging Nets with Nutrient-Rich Bentonite for Soil Improvement.	WRA
	Energy-Modulating Agrotextile Shade-Net: Development, Characterization and Field Trials on Marigold and Chilli	SASMIRA
2:00 - 4:30 PM	Session 6: Parallel Session Conventional Textiles (Cotton quality, Spinning and Processing)	
2:00 - 4:30 PM	Indian Spinning Industry - A Decadal Review of Market Performance, Cost Pressure and Sustainability.	SITRA
	Effect of top roller diameter used in ring frame drafting system on yarn quality	SITRA
	Impact of parameters of top roller cots buffing and berkolisation treatment on yarn quality	SITRA
	Effective pretreatment for fault-free fabric	ATIRA
	Development of Advanced Shirting Fabric with Multi-Functional Finishes	SITRA
	Aspiration Textile by Liquid Ammonia finishing	ATIRA

	Assessment of Water, Chemical and Energy Saving in Textile Wet Processing Units in the Panipat Textile Cluster, India	NITRA
	Impact of phytohormones on the yield and quality of cotton fibres	SITRA
	Defect analysis on knitted fabric - Case studies	SITRA
4:30 - 5:00 PM	Valedictory Session and Vote of Thanks	
5:00 PM onwards	High Tea	

Request to join as supporting Organization:

We are pleased to invite your esteemed Association to join us as a *Supporting Organization* for the 63rd JTC. Your support would play a valuable role in expanding the reach of the conference and encouraging wider participation from industry stakeholders.

As a Supporting Organization, we request your kind assistance in:

i) Sharing the invitation to participate in the 63rd JTC with your members through email/call/WhatsApp communication

ii) Promoting the conference through your digital platforms, including your website and social media channels

In recognition of your support, ATIRA will be pleased to offer the following:

i) A special **20% registration discount** for members of your Association

ii) Acknowledgement and visibility as a '**Supporting Organization**' across relevant event collaterals and during the conference