

# 6<sup>th</sup> National Conference on Innovations in Natural Fibres in the Context of Industry and Agriculture 5.0

**January 3-4, 2026**

*Jointly organized by*



The Indian Natural Fibre Society, Kolkata  
National Jute Board, Ministry of Textiles, Kolkata  
ICAR-National Institute of Natural Fibre Engineering and Technology, Kolkata  
ICAR-Central Research Institute for Jute and Allied Fibre, Barrackpore  
Indian Council of Agricultural Research, New Delhi

*In collaboration with*



Jute Corporation of India Ltd., Kolkata  
Central Wool Development Board, Jodhpur, Rajasthan

*Technical Collaborators*



Indian Jute Mills Association (IJMA), Kolkata  
National Institute of Fashion Technology (NIFT), Kolkata  
Central Sheep and Wool Research Institute (CSWRI), Avikanagar

**Venue**

ICAR-National Institute of Natural Fibre Engineering and Technology  
12 Regent Park, Kolkata 700040

**Official Website : <https://www.nirjaft.res.in>**

## THE INDIAN NATURAL FIBRE SOCIETY (TINFS)

The Indian Natural Fibre Society (TINFS) is a prominent international scientific society headquartered in ICAR-National Institute of Natural Fibre Engineering & Technology (Formerly NIRJAFT), Kolkata. The society was created in the year of 2012 and it was registered under the West Bengal Societies Registration Act XXVI of 1961, any person having an interest in natural fibres can be a member of the society. Society members are dedicated to the conservation and explore using natural fibres to replenish the exhaustive use of synthetic chemicals while maintaining and improving the environment. Since its inception, TINFS has continued to evolve, modifying its educational offerings to support the changing needs of its members. Today, TINFS is keen to be a progressive scientific society for meeting the needs of its members through publications, recognition and awards, placement service, certification programs, meetings, and student activities.



## NATIONAL JUTE BOARD, MINISTRY OF TEXTILES, KOLKATA

The National Jute Board (NJB), Ministry of Textiles, Government of India, was established through the National Jute Board Act, 2008, and came into effect on February 12, 2009. As a statutory body, NJB is committed to the promotion and development of the jute sector across the country. It actively supports jute farmers, research innovation, market promotion, industry modernization and capacity building to enhance both traditional and diversified uses of jute. The aim is to empower both organized and decentralized sectors, enabling them to remain competitive and expand India's footprint in global jute markets. To strengthen its role, the Board implements various initiatives that support the sustainable growth of the jute sector. These include the promotion of modern farming technologies, financial support for machinery, research modernization and design development, training and skill enhancement programs, educational incentives, and workers welfare. NJB also plays a key role in positioning Indian jute products on the global stage by showcasing their versatility, eco-friendliness, and economic value.



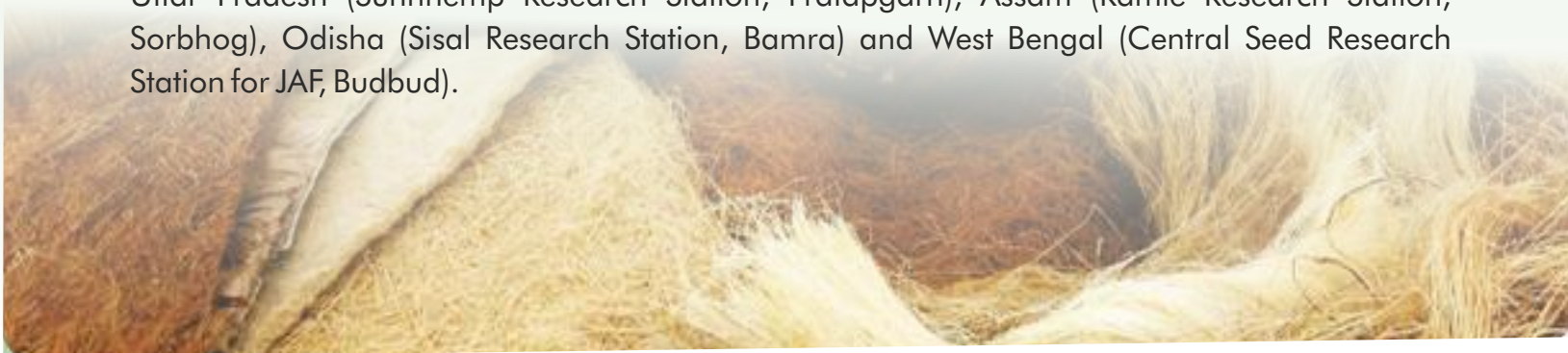
## **ICAR-NATIONAL INSTITUTE OF NATURAL FIBRE ENGINEERING AND TECHNOLOGY (ICAR-NINFET)**

ICAR-National Institute of Natural Fibre Engineering & Technology (NINFET) situated in 12, Regent Park, Kolkata is a premier institute under Indian Council of Agricultural Research, New Delhi and dedicated to the research of jute and allied fibres leading to the diversified use and industrial growth since January, 1939. During its fruitful existence of eighty-five years, the institute flourished with multifunctional dimensions by relentless endeavour of research and development of indigenous as well as advanced technologies on jute and other lignocellulosic fibres and residues and has ripened today into a “Centre of Excellence” in the world. The institute has carried out basic and applied researches related to post harvest processes of jute and allied fibres such as mesta, linseed/flax, sisal, ramie, banana, nettle, hemp, pineapple leaf, okra, coconut fibre, Indian wool & silk and other lesser-known long fibres.



## **ICAR-CENTRAL RESEARCH INSTITUTE FOR JUTE AND ALLIED FIBRE (ICAR-CRIJAF)**

ICAR-CRIJAF (Central Research Institute for Jute and Allied Fibres), a premier research institute of Indian Council of Agriculture Research established in 1953 at Barrackpore, West Bengal (India) mainly deals with six natural fibre crops viz., jute, mesta, sunnhemp, sisal, ramie and flax. The selected areas of research in jute and allied fibre are- breaking yield barrier, bridging the yield gap and area expansion, improving fibre quality, ecosystem services like natural resource conservation, climate change mitigation, diversification, value addition, value chain, wealth from waste, profiling of immunity-boosting bioactive compounds for medicinal use of jute and allied fibres. The Institute spread its sphere of Research activities to the length and breadth of the Nation by establishing its Research Stations in Uttar Pradesh (Sunnhemp Research Station, Pratapgarh), Assam (Ramie Research Station, Sorbhog), Odisha (Sisal Research Station, Bamra) and West Bengal (Central Seed Research Station for JAF, Budbud).







## ABOUT OF THE CONFERENCE

Natural fibres of plant and animal origin are bio-degradable, recyclable, in-expensive, eco-friendly and abundant compared to costly and hazardous synthetic fibres. The applications of natural fibres are taking new dimensions almost every sectors such as automobiles, furniture, packaging and construction. The growing world- wide concern about environment is compelling us to use materials in greater volume in the areas of textiles, composites, papers, etc. where attributes like eco- friendliness, sustainability, biodegradability, recyclability, reusability, energy efficiency, etc., which are not factored into making choice of materials earlier, have now assumed much greater importance.

India has vast resources of different natural fibres viz. cotton, jute, mesta, sisal, pineapple leaf fibre, flax, banana, coir, ramie etc. Among these fibres, cotton and jute are abundantly available in many parts of the country and considered the most primary in the textile sector. Govt. of India has initiated Mini-Mission III- New Age Fibre Mission to promote and drive the demand for new age fibres viz., Flax, Ramie, Sisal, Milkweed, etc. The objective of the mission is to optimize cultivation through sustainable practices, high yield, disease resistant, varieties development, focused on innovation, research, mechanization, and new production practice for enhanced efficiency & sustainability. The mission also focuses to enhance logistic & skill development program, global branding, and Industry-Institute collaboration to position India as a leader in new age fibres production and product diversification. Animal fibers are also natural fibers that consist largely of certain proteins. Examples include silk, hair/fur (including wool) and feathers. The animal fibers most commonly used both in the manufacturing as well as by the hand spinners are alpaca, angora, cashmere, and keratin. Unusual fibers such as Angora wool from rabbits and Chiengora from dogs also exist, but are rarely used for mass production.

Keeping this in view, The Indian Natural Fibre Society has intended to organize a National Conference on "Innovations in Natural Fibres in the Context of Industry and Agriculture 5.0" in collaboration with ICAR-National Institute of Natural Fibre Engineering and Technology, during January 3-4, 2026 at ICAR-National Institute of Natural Fibre Engineering and Technology, Kolkata. Looking forward that the conference will achieve a grand success and pave a platform for a thorough discussion on different.





## THEME AREAS

The Conference will cover the theme "New Age Fibre : future strategies towards sustainable production & product diversification". There will be following sub-themes for the conference :

<p><b><u>Theme 1</u></b></p> <p><b>Mechanization in natural fibre production and processing technologies</b></p> <p><b>Sub-theme</b></p> <ul style="list-style-type: none"> <li>• Mechanization in fibre production technologies: seed to harvest</li> <li>• Mechatronic, sensors, AI, IoT, robotics, GIS and remote sensing driven technologies.</li> </ul>	<p><b><u>Theme 2</u></b></p> <p><b>Advancement and future strategies on natural fibre production, improvement and protection</b></p> <p><b>Sub-theme</b></p> <ul style="list-style-type: none"> <li>• Sustainable production and strategies for new age fibre crops.</li> <li>• Product diversification of other natural fibres</li> </ul>
<p><b><u>Theme 3</u></b></p> <p><b>Processing and value addition of plant and animal fibres</b></p> <p><b>Sub-theme</b></p> <ul style="list-style-type: none"> <li>• Sustainable processing of natural fibres for application in apparel, home and technical textiles</li> <li>• Emerging application of natural fibres (food, fuel, fertilizers etc)</li> </ul>	<p><b><u>Theme 4</u></b></p> <p><b>Supply chain, processing and value chain management of natural fibres in North-East India</b></p> <p><b>Sub-theme</b></p> <ul style="list-style-type: none"> <li>• Application of available natural fibre resources in national perspectives</li> <li>• Strategies and policy framework for upscaling of natural fibre production and applications.</li> </ul>

## CALL FOR ABSTRACT/PAPER

Abstract	Full Length Paper
The abstract of the unpublished research work should be in English using MS word (single space : Font-Times New Roman; Font Size 12) and Should not exceed 350 words. It must contain Title of the paper, Name(s) of author(s) followed by their affiliation, Email of corresponding author and keywords. The name of the presenting author should be underlined.	Full length paper must be original, ethical, with key burning issue, less than 15% plagiarism, unpublished, English language, MS word, Times New Roman, 12 Font with single line spacing and with abstract, keywords, introduction, materials and Methods, Results and Discussion, Conclusions, and References (Not exceeding 3000-5000 words).

*Note: The soft copy of the abstracts/full length papers should be sent through Email id: [icnfmkol@gmail.com](mailto:icnfmkol@gmail.com)*

## PRESENTATION DURING CONFERENCE

There will be three categories of presentations :

- Plenary
- Invited
- Oral
- Poster

In addition, the Working Groups will deliberate on the topics of current specific interests in natural fibre.

### Plenary Lectures

Eminent persons will be invited to deliver special lectures on the topics related to thematic area of the conference.

### Invited Papers

Selected speakers will be invited to make their presentations on the sub-themes of the conference.

### Oral Presentation

Oral presentations of the accepted papers will be allowed to present in the concerned technical sessions within the duration of 10 minutes.

### Poster presentation

Posters are to be prepared in portrait mode with dimension of 36" x 24" (3 feet height x 2 feet length). Poster must including the title, authors name(s), affiliation(s), introduction, objectives, Materials and Methods, results and Discussions and Conclusion. Clear pictures, diagrams, graphs and short tables are highly encouraged to use.







## FELLOWS & AWARDS

TINFS Fellow  
 Lifetime Achievement Award  
 Young Researcher Award  
 Best Indian Journal of Natural Fibre (IJNF) published paper award  
 Best oral presentation award  
 Best poster presentation award

## REGISTRATION FEE

Last date of Registration : 24.12.2025

Type of delegates	Registration
Faculty/Scientists/Delegates/Working Professional & Equivalent	₹ 4,000
Member, TINFS	₹ 3,000
Industry/Corporates/NGO Professionals & Equivalent	₹ 5,000
Students	₹ 1,000
JRF/SRF/RS/YP-I/YP-II & Equivalent	₹ 1,500
Accompanying person	₹ 1,000

Special Note :

- One full length paper will be published in conference book per registration, only after payment of registration fees.
- Conference registration fee is non-refundable and non-transferable
- Registration fee include the access to conference sessions includes conference kit and refreshments only.
- No registration kit for the accompanying person.

## ACCOMMODATION

- Registration fee does not include the accommodation charges.
- Accommodation will be arranged as per the availability in the guest house/nearby hotels upon payment basis.

## IMPORTANT DATES

Last date for Submission of Abstracts	: December 15, 2025
Last date of receipt of full paper	: December 19, 2025
Last date for receipt of registration form	: December 25, 2025
Conference dates	: January 3-4, 2026

## ORGANIZATIONAL SPONSORSHIP

Govt./Semi Govt. agencies, corporates entities, industries, NGOs, research institutions, and academic organizations are welcomed to support the event through sponsorship with the following tariffs :

<b>Platinum Sponsor Fee :</b> <b>₹ 1,50,000/- and above</b> <ul style="list-style-type: none"> <li>• Full registration for four delegates</li> <li>• Company /institute name and logo will be displayed on conference brochure, institute web page and promotional material i.e. proceedings, volume, banner/signage etc.</li> <li>• Space will be provided at conference venue for display of products/technologies/ information</li> </ul>	<b>Golden Sponsor Fee :</b> <b>₹ 1,00,000/- and above</b> <ul style="list-style-type: none"> <li>• Full registration for four delegates</li> <li>• Company /institute name and logo will be displayed on conference brochure, institute web page and promotional material i.e. proceedings, volume, banner/signage etc.</li> <li>• Space will be provided at conference venue for display of products/technologies/ information</li> </ul>
<b>Silver Sponsor Fee :</b> <b>₹ 75,000/- and above</b> <ul style="list-style-type: none"> <li>• Full registration for four delegates</li> <li>• Company /institute name and logo will be displayed on conference brochure, institute web page and promotional material i.e. proceedings, volume, banner/signage etc.</li> </ul>	<b>Bronze Sponsor Fee :</b> <b>₹ 50,000/- and above</b> <ul style="list-style-type: none"> <li>• Full registration for four delegates</li> <li>• Company /institute name and logo will be displayed on conference brochure, institute web page and promotional material i.e. proceedings, volume, banner/signage etc.</li> <li>• Distribution of literature/brochures.</li> </ul>

## Advertisement in Souvenir/proceedings/book volume

Front cover colour page	₹ 50,000/-
Back cover colour page	₹ 40,000/-
Inside full colour page	₹ 25,000/-
Inside half colour page	₹ 20,000/-
Inside full Black and white page	₹ 15,000/-
Inside half Black and white page	₹ 10,000/-

## Bank details of The Indian Natural Fibre Society (TINFS)

Sl. No	Name of Bank	Branch Name	Branch Code	Beneficiaries/Organization name and Bank account number	Pan Number	IFSC Code	Electronic Mode (CORE/RTGS)
1.	State Bank of India	Tollygunge	1719	TINFS CONFERENCE A/C No. 43741889643 Current Account	AADAT2499N	SBIN0001719	MICR : 700002103





## ABOUT THE CITY

Till the 17th century, Kolkata was nothing more than a village. But today it is one of the major metropolitan cities of India along with Delhi, Mumbai and Chennai. Kolkata was one the capital of British India and also the Gateway to India till 1912. Situated on the bank of river Hooghly, the city is a magnificent portrait of architectural monuments and places of historical importance. Kolkata is often called as the cultural and intellectual capital of India. "The City of Joy" holds the country's prime sites of interest such as the massive Howrah Bridge, Victoria Memorial, St. Paul's Cathedral, Belur Math, Dakshineswar Temple, Eden Gardens, Kalighat Temple, Birla Planetarium, Botanical Garden, Tagore's House and Indian Museum.

## Weather

Kolkata or Calcutta, the capital of the Indian state of West Bengal, enjoys a tropical wet-and-dry climate. The weather of Kolkata is generally influence by its proximity to the Bay of Bengal. Weather in Kolkata during the time of Conference features is cold .



## How to reach

**By Air:** The nearest airport is Netaji Subhash Chandra Bose International Airport (30 km) which is connected to many Indian cities by regular flights operated bt several airlines.

**By Road:** A convenient road network connects Kolkata to important cities in West Bengal and other parts of the country.

**By Rail:** The nearest Railway stations are Howrah (15 Km) and Sealdah (20 Km).





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