



INTERNATIONAL CONFERENCE

on

EMERGING TECHNOLOGIES IN SILK SECTOR - SILKTECH 2025

16th February 2025

(Venue: Bharat Mandapam, New Delhi, India)



ORGANIZED BY



CSB-Central Tasar Research & Training Institute (CSB-CTRTI), Ranchi
CSB-Central Silk Technological Research Institute (CSB-CSTRI), Bengaluru
Central Silk Board, Ministry of Textiles, Govt. of India, INDIA

ABOUT THE CONFERENCE

An International Conference on “*Emerging Technologies in Silk Sector - SILKTECH 2025*” is set to be a crucial scientific event within Bharat Tex 2025, celebrating silk's enduring legacy and its evolving applications. Known as the "Queen of Textiles," silk has captivated humanity for centuries with its elegance, luster and comfort. India, renowned for its production of all major commercial types- Mulberry, Eri, Muga and Tasar and holds a distinguished position in the global silk industry and stands poised to lead in raw silk production. Beyond its traditional role in textiles, silk now finds novel applications in cosmetics, pharmaceuticals, nutraceuticals, and medical and technical fields. This conference will explore the latest advancements in conventional silk production and technical textiles, emphasizing global market trends and sustainable innovations across the silk production chain, from farm to fabric, including by-products. This International R&D event will cover the emerging technologies in the field of silk sector for sustainable and inclusive growth of silk industry. Emerging technologies in silk sector for sustainable and inclusive growth of silk sector will be addressed during the international conference.

Following major areas will be the core focus of conference by covering pre-cocoon and post-cocoon sector of silk Industry-

- Emerging technologies “farm to fabric” and Silk by-products.
- Silk novel applications in cosmetics, pharmaceuticals, nutraceuticals, medical and biotechnological intervention in Silk sector.
- Silk in Technical applications.
- Sustainable solutions in Silk industry.

ABOUT BHARAT TEX 2025

This important event witnesses the dynamic fusion of Textiles, Fashion and Sustainability in India's heartland. The textiles and apparel industry in India is thriving across its entire value chain, from fibre to apparel. With a diverse range of products, including traditional handloom, handicrafts, wool, silk, and organized textile industry segments, the industry is highly segmented. As a capital-intensive industry, the organized textile sector is characterized by mass production, spinning, weaving, processing, and apparel manufacturing. The textile industry is one of the largest employment generator in India, creating jobs and opportunities for ancillary sectors. It accounts for nearly three-quarters of the country's total fibre consumption, with cotton being the dominant fibre. India is renowned for its significant production capacity in cotton and jute garments globally. However, the industry faces stiff competition from China, Bangladesh, Pakistan, and Vietnam in the global market.

Despite the challenges posed by the COVID-19 pandemic, the Indian textile industry has demonstrated resilience and recovery. The industry encompasses not only large textile mills and high-end garment boutiques but also self-employed artisans from rural areas, who are supported through government schemes like MGNREGA and NGOs. Building on the success of Bharat Tex's first edition, Bharat Tex-2025 aims to establish itself as a premier international industry platform. The event will feature exhibitions, knowledge sessions, thematic discussions, G2G meetings, B2B networks, MoUs, product launches, and interactive pavilions. It will attract top policymakers, global CEOs, international exhibitors, and buyers.

Bharat Tex-2025 will focus on transforming the textile industry into a futuristic domain of growth and development, with pavilions dedicated to sustainability, circularity, and digitization. The event will also feature interactive fabric testing zones, product demonstrations, and master classes by experienced craft persons. India takes pride in its rich textile heritage, and Bharat Tex-2025 will showcase the country's solid foundation of tradition, innovation, and sustainability. The event will reinforce India's position as a pioneer in sustainable textile manufacturing, leading the world across the entire value chain.

About Central Silk Board

The Central Silk Board (CSB) is a Statutory Body, established during 1948, by an Act of Parliament (Act No.LXI of 1948). It functions under the administrative control of the Ministry of Textiles, Government of India, having head quarters at Bengaluru. The mandates of CSB are Research and Development, silkworm seed production network, leadership role in commercial silkworm seed production, standardizing and quality parameters in the various production processes and advising the Government on all matters concerning sericulture and silk industry. These mandated activities are being carried out by the 159 units of CSB located in different States through an integrated Central Sector Scheme viz., "Silk Samagra" for development of silk industry.

About CSB-CTR&TI, Ranchi

CSB-Central Tasar Research and Training Institute (CSB-CTRTI) Ranchi is an Institute par excellence catering to R&D need of tropical and temperate (Oak) tasar sectors. The Institute was established in Ranchi in 1964 under the administrative control of Central Silk Board, Ministry of Textiles, Govt. of India for overall development of Tasar Silk Industry in the country. It is engaged in generating useful technologies through Research & Development and its effective transfer in the field, with an ultimate aim to improve the socio-economic status of the stakeholders associated with tasar culture. Besides carrying out research on different aspects of tasar culture of direct field applicability, it also undertakes research on molecular level to unearth certain intricacies of tasar silkworm for achieving higher productivity and quality. The Institute has 06 Regional Stations (RSRS), 03 Research Extension Centres (REC), 01 P4 Station and 01 Raw Material Bank to provides the state-of-the-art technological know-how to the command states, both under tropical and temperate tasar sector. The Institute provides need based Research, Development/Extension and HRD support to the states viz., Jharkhand, Chhattisgarh, Odisha, Maharashtra, Andhra Pradesh, Telangana, Madhya



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Pradesh, Bihar, Uttar Pradesh and west Bengal for Tropical Tasar and Uttarkhand, Himanchal Pradesh for Oak Tasar. The priority of the research activities is based on the evaluation of cost effective technologies towards increasing the productivity of tropical and Oak tasar silkworm.

About CSB-CSTRI, Bengaluru

CSB-Central Silk Technological Research Institute (CSB-CSTRI), situated in Bengaluru is the only research institute in the country dedicated to the Research & Developmental activities related to post-cocoon technology. Established in the year 1983 by the Central Silk Board, Ministry of Textiles, Govt. of India, today, it is recognized as a premier Textile Research Institute in the country dedicated to the post cocoon aspects including silk reeling, by-product utilization, twisting, weaving, wet processing, product design and development. CSB-CSTRI promotes the improvement in quality and productivity through “Silk Samagra”, an integrated scheme for development of silk industry by the Govt. of India. The schemes include some of the machinery and processes developed by the institute.

In order to remain globally competitive, CSB-CSTRI aims to provide a common platform to extend and exchange their valuable ideas to develop a realistic plan of actions for development of mulberry and vanya (non-mulberry) silk industry across International borders. In this context, CSB-CSTRI is organizing International Conference on “Emerging Technologies In Silk Sector (SILKTECH 2025)” in Silk Industry for the benefit of all stakeholders including researchers, industry, innovators, institutes and students as part of the mega event Bharat Tex Expo 2025 at New Delhi, India.

OBJECTIVE

The conference aims to provide a common platform to deliberate about the Emerging Technologies In Silk Sector of mulberry and vanya (non-mulberry) silk sectors across the globe for sustainable and Inclusive growth. The conference is expected to gather new and innovative ideas for the overall development of the global silk industry in the true spirit of Vasudhaiva Kutumbakam - One Earth, One Family and One Future

SUB-THEMES/ SUBJECT AREAS

Following major areas will be the core focus of conference by covering pre-cocoon and post-cocoon sector of silk Industry.

- Emerging technologies “farm to fabric” and Silk by-products.
- Silk novel applications in cosmetics, pharmaceuticals, nutraceuticals, medical and biotechnological intervention in Silk sector.
- Silk in Technical applications.
- Sustainable solutions in Silk industry.

CALL FOR POSTER PRESENTATION

Participants are invited to present (Paper and poster) research/review/base papers based on their own research work/expertise/experiences in various fields of mulberry and non-mulberry pre and post cocoon sector in traditional and non-traditional applications of silk. The poster may be prepared in JPEG format (3 feet width x 4 feet length).

PROJECT CONTEST FOR STUDENTS

Students have a chance to win recognition and cash awards for best research project presentation. The concept, methodology and outcome may be typed in A4 sheets in 12 Font size (Times new roman font) and 1.5 line spacing. A maximum of 4 sheets are allowed. The selected projects shall be displayed during the conference for assessment by the selection committee.

The Poster/Project content may be forwarded to the committee through E-mail: silktech2025@gmail.com

First Prize : Rs. 10,000

Second Prize : Rs. 5,000

All participants will receive a certificate of appreciation.

PARTICIPANTS

Researchers, Scientists, Academician, Planners, Policy makers, Research Scholars, Entrepreneurs, Exporters, Fashion Designers, Government Officials, Faculty members, Students and others. Prior registration is essential for participation.

IMPORTANT DATES

Last Date for Abstract for Poster/ Research project Submission : 20.01.2025

Notification of Acceptance : 23.01.2025

Note: The registration is offered on First come First serve basis as only Limited seats are available. Based the recommendation of organising committee the participation will be confirmed.

REGISTRATION FEES

Participants	USD/ Indian Rupees
Foreign delegates	US\$ 200
Industry delegates, Faculty of universities, colleges & Institutes, Entrepreneurs, Exporters, Govt. Officials,	Rs. 3500
Students	Rs. 1500

Note : The last date for registration is 27.01.2025. The registration is offered on First come First serve basis as only Limited seats are available.

The registration fees may be deposited through NEFT/RTGS to the bank account given below :

Name : Director, CTR&TI, Ranchi.

A/c. No. : 1917804302

Central Bank of India, Sukhdeo Nagar Branch, Ranchi

IFSC Code : CBIN0282343

Please send filled in registration form along with the proof of payment (Transaction ID) to

E-mail: silktech2025@gmail.com

OPPORTUNITIES FOR SPONSORSHIP AND ADVERTISEMENT IN SOUVENIR

Souvenir of conference will be released in which companies can advertise their products. The souvenir will be a tool to promote products as it will be distributed widely beyond conference participants. Advertisement rates for souvenir are as follows:

Particulars	Amount
Delegate docketts	Rs. 75,000
Delegate lunch	Rs. 3,00,000
Delegate badges	Rs. 75,000
Delegate refreshment with high tea	Rs. 1,00,000

The international conference provides an excellent opportunity for companies to gain global visibility and publicity by showcasing their products and services to a highly focused audience besides networking with the participants from various parts of the World. Sponsors are assured of full visibility through the conference souvenir, conference backdrops, conference documentation, conference docketts and conference website www.cstri.res.in and www.ctrri.res.in. Sponsors will also have the privilege of presentation/display of their products during the conference which will help the students, the research fraternity and society to visualize and appreciate the state of art technologies in this field.

Category	Foreign Companies	Indian Companies
Full Page Color Backside Cover (Outside)	US\$ 750	Rs. 50,000
Full Page Color Backside Cover (Inside)	US\$ 500	Rs. 40,000
Full Page Color Front side Cover (Inside)	US\$ 750	Rs. 50,000
Full Page Color (Inside)	US\$ 500	Rs. 20,000
Full Page B/W (Inside)	US\$ 200	Rs. 10,000

Invited Speakers

Eminent Speakers from Across the Globe from Leading Research / Academic Institutes and Industry would be participating and giving a lead speech in the conference addressing the conference theme.

Signing of MoU/MoA

During the conference, CSB will be signing MoUs/MoAs with reputed International and National Institutions/Organizations on prospective collaboration for various Silk Product Developments and Technologies under various research initiative areas.



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INVITED SPEAKERS



Prof. Seeram RamaKrishna
Professor and Director
Center for Nanofibers & Nanotechnology
National University of Singapore (NUS)



Dr. Chyuki Takabayashi
Director
Okaya Silk Museum Okaya, Japan



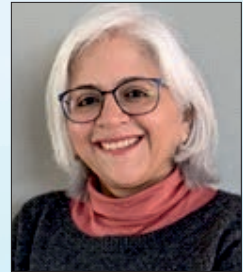
Prof. Prasad Potluri
Professor of Robotics & Textile composites
Director of Northwest Composites Centre
University of Manchester (UK)



Dr. Shuichiro Tomita
Group Leader
Silkworm Research Group
Institute of Agrobiological Sciences
NARO, Tsukuba, Japan



Dr. Chun-Hung Chen
Associate Professor
Dept. of Cosmetic Science
Providence University, Taiwan



Dr. Deepti Gupta
Professor
Dept. of Textile and
Fibre Engineering , IIT Delhi



Dr. Harun Venkatesan
Asst. Professor
Dept. of Textile and
Fibre Engineering , IIT Delhi

Organising Committee

Chief Patron	:	Smt. Prajakta L. Verma, IAS Joint Secretary (Textiles), MoT, GoI. New Delhi
Patron	:	Shri P. Sivakumar, IFS Member Secretary, CSB, Bengaluru
Co-Patrons	:	Dr. A.K. Sinha Vice Chancellor, Ranchi University Dr. S. Manthira Moorthy Director (Tech), CSB, Bengaluru
Chairmans/Convenors	:	Dr. N.B. Chowdary Director, CSB-CTRTI, Ranchi Dr. S. Periyasamy Director, CSB-CSTRI, Bengaluru
Organising Secretaries	:	Dr. J.P. Pandey , Scientist-D, CSB-CTRTI, Ranchi Dr. K. Jena , Scientist-D, CSB-CTRTI, Ranchi Dr. S. Nivedita , Scientist D, CSB-CSTRI, Bengaluru Shri M.R. Itagi , Scientist D, CSB-CSTRI, Bengaluru
Organizing Team	:	Scientists from CSB-CTRTI, Ranchi & CSB-CSTRI, Bengaluru
Co-Convener (Int. Delegates)	:	Shri Padmanav Nayak Asst. Secretary (Tech), CSB/Prog. Coordinator ISC, Bengaluru
Knowledge Partners	:	Indian Institute of Technology, Delhi Delhi University, Delhi Indian Institute of Carpet Technology, Bhadohi BIT Mesra, Ranchi Ranchi University, Ranchi All the CSB's R&D and Seed organizations
Correspondence	:	Dr. J.P. Pandey , Scientist-D (Mob. No.: +91-9431168530) Dr. S. Nivedita , Scientist-D (Mob. No.: +91-9845682440) E-mail: silktech2025@gmail.com

Organised by



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REGISTRATION FORM

1. Name:.....
 2. Designation:.....
 3. Affiliation:.....
 4. Address for communication:.....
 5. Title of presentation:.....
.....
 6. Specific Theme.....
 7. Mobile No:.....
 8. Email:.....
 9. Gender:.....
 10. Academic Qualification:.....
 11. Subject/ Specialization:.....
 12. Place:.....
 13. Registration and Fee payment details:.....
- Date:.....

Signature of Applicant

Recommendation from Head of Organization

To register online: <https://forms.gle/iz4MD4fcZspEDgY39>