



NISTI-IIT DELHI CONFERENCE ON



Sustainability in Textiles & Clothing

14th December, 2024 (9:00 am onwards)
LH-114, LH Complex, IIT Delhi

SPONSORS



ASSOCIATES



MEDIA PARTNERS



<https://nistiregd.in/nisti-iitd-conference-2024/>



Message



With immense pleasure, I extend my heartfelt congratulations to the organizers of the **NISTI-IIT Delhi Conference on Sustainability in Textiles & Clothing** which is happening on 14th December, 2024 in the campus of IIT Delhi, an Institution of Technical excellence.

We are aware, India's textile sector stands as a pillar of our economy, addressing domestic needs, driving exports, and generating employment for millions. This conference is both timely and crucial, urging us to adopt sustainable practices grounded in circular economy principles—focusing on resource efficiencies, reusing of textile resources and exploring longer end-of-life alternatives for textiles.

The **Circle Back campaign**, launched by the Ministry of Textiles, underscores this vision by advocating for behavioural shifts towards a more responsible and circular textile industry. It is particularly heartening to see the campaign's focus on empowering youth as changemakers, a sentiment echoed here at this conference.

As Textile Commissioner, I am keen to motivate the institutions engaged in the holistic development of the textile industry. North India Section of Textile Institute (NISTI) is playing a pivotal role in such initiatives. I am impressed with the setup of NISTI which comprises outstanding textile professionals, academicians, researchers, designers and planners who have achieved great heights in their career and now they are putting their experience to mentor industrial professionals, faculty and students. The entity (NISTI) is functioning without any external financial support and this passion of professionals attached to this organization is an example of Excellence in knowledge domain.

The collaboration between the **North India Section of the Textile Institute (NISTI)** and **IIT Delhi** provides an exceptional platform to advance the mission of sustainability, circularity and traceability in textiles and clothing industry. NISTI's dedication to research and innovation, combined with IIT Delhi's global expertise, creates the ideal environment to address challenges, explore and develop solutions for sustainable manufacturing aligning to circularity.

I understand that renowned professionals, Industry leaders, academicians, researchers, designers, sustainability activists from India and abroad shall dive deep in the area of research and innovations, technologies and initiatives being undertaken by Indian companies and world over. I am also given to understand that a large number of senior functionaries from textile companies, textile and design colleges, research institutes, export houses, textile consultants, sustainability activist, footwear design professionals and students from all over the country would be participating in this prestigious conference. I look forward to consolidation of ideas and initiatives by collaborative approach among all islands of Excellence.

Another important activity in this conference would present a freedom to young minds to express their ideas and vision on Sustainability through poster presentation. You will have ample opportunity to source talent for your company from these young minds. We need to build and strengthen Mentorship for these ideas/innovations.

I look forward to be part of such an inspiring initiative. I wish all attendees a productive and enriching experience.


(Roop Rashi)

CONFERENCE PROGRAM

14th December, 2024 LH-114 LH Complex, IIT Delhi

Registration and Networking Tea/Coffee-9:00 AM - 9:45 AM

Inaugural Session-10:00 AM - 11:00 AM

Calling guests on dias, Saraswati Vandana and inauguration by the Union Textile Commissioner, Guests of Honour and other dignitaries.

Welcome Address: Dr. R. A. Lal, Conference Chairman.

Conference Theme Overview: Prof. Abhijit Majumdar, Conference Coordinator, IIT Delhi.

Address by the Guests of Honour:

Prof. R. Alagirusamy: Head, Department of Textile and Fibre Engineering, IIT Delhi.

Shri R.K. Vij: Advisor (Polyester), M/s Indorama Synthetics (India) Limited.

Shri Anil Jain: Chairman, Jain Cord Group of Industries.

Keynote Address: Ms. Roop Rashi, IA&AS, Textile Commissioner, Government of India.

Vote of Thanks-Dr. Vijay Yadav -Conference Co-ordinator, NISTI.

Technical Session 1- -- 11:00 AM - 12:30 PM

Session Chairman:-Prof. R. Alagirusamy, Head, Department of Textile and Fibre Engineering, IIT Delhi.

1.Chemical Management in Wet Processing – The Sustainable Way- Dr. Arun K. Patra , Professor, U.P. Textile Technology Institute Kanpur:

2.Initiatives to Ensure Sustainability in Textile and Clothing- Mr. Amit Ghosal and Ms Ayushi Purohit, Trident Group

3.Transformative Technology for Chemical-Free and Organic Cotton- Mr. V R Sai Ganesh Chief Operating Officer, Zydex Group Vadodara.

4.Circularity and Sustainability in Traditional Indian Apparel & Textiles and their Modern Applications- Ms. Pooja Kapoor, Creative Director/Founder, Pooja Kapoor Womenswear

Technical Session 2-----12:30 PM - 1:30 PM

Session Chairman: Prof. Mangala Joshi, Professor, Department of Textile Technology, IIT Delhi

1.Advancing a More Circular Economy Through the Use of Bio-Based Materials- Shri Akshay Sardana, Director & Head, Huaфон India P Ltd & Covation Bio India Technology Center

2.Sustainability Meets Performance: Designing Eco-Friendly Sports Shoes for Amateur Athletes- Dr. Manpreet Mansahia Assistant Professor, Amity University

3.Unlocking the Power of Indian Wool- Dr. Vinod Kadam, Senior Scientist (Textiles), ICAR-Central Sheep and Wool Research Institute:

Lunch Break--1:30 PM - 2:15 PM

Poster Review-2.15-2.30 PM

Technical Session 3---2:30 PM - 3:30 PM

Session Chairman:--Shri Kamal Misra, Partner, Sterling Sales Pvt. Ltd and Member, Governing Council, TAI Delhi.

1.Beyond the Bandage: The Environmental Impact of Medical Textiles- Dr. Chirag R. Gajjar Principal R&D Engineer, North Carolina State University:

2.Design and Development of Smart Zonal Sports Apparel & Accessories- Dr. Yamini Jhanji, Associate Professor, and **Dr. G.K. Tyagi**, Director, Department of Textile Technology, TIT&S, Bhiwani:

3.Liva in Handloom and use of Natural Dyes- Ms. Priyanka Priyadarshini Aditya Birla Group

Panel Discussion--3:30 PM - 4:15 PM

Chairman- Dr. Vinod Shanbhag, Chairman Emeritus, NISTI.

Theme: *Sustainability and Circularity in Textiles and Clothing – How to Make It Happen*

Panelists:

1.Shri Nirbhay Rana, Assistant Professor, IILM University, Gurugram.

2.Shri Shailesh Kaushik, Techno Commercial Professional

3.Shri Ajay Pandit, Joint Textile Commissioner and Mission Director, NTTM, Ministry of Textiles, Government of India

4.Shri Madhav Bhatt, Textile Technologist, Bhatt Bros Ahmedabad

5.Prof. Nien Siao, Professor, JSID, New Delhi

6.Shri Kishore Motwani, Consultant, Intergartek.

7.Dr. Garima Singh, Assistant Professor, Department of Textile Science and Design, Acharya Narendra Dev University, Ayodhya

Valedictory Session--4:15 PM - 5:00 PM

Concluding remarks, honouring achievers and poster participants.






High Tea-5:00 PM

Networking High Tea.



NISTI Regd.
315, MJ Shopping Centre 3
Veer Savarkar Block, Vikas Marg
Shakarpur, Delhi- 110092

E-mail: secy@nistiregd.in
Web: <https://nistiregd.in>

@NISTIREgd-
 **twitter/nistiregd**
 **facebook/nistiregd**
 **linkedin/company/nistiregd**
 **YouTube/@nistiregd**
 **instagram/nistiregd**