



8th International Conference on Technical Textiles and Nonwovens

Bridging Performance and Sustainability:
The Future of Technical Textiles and Nonwovens



Program Schedule

DAY-1 | Friday 6 February 2026 | Program Schedule

10:00-11:00 AM	Workshop Registration (Central Atrium, Lecture Hall Complex) and Welcome Tea (LH-212/213 Foyer)	
11:00-01:00 PM	Workshop	From Waste to Worth: Workshop on Recycling of High-Performance Textiles (Atal Centre of Textile Recycling & Sustainability, Panipat)
11:00-01:00 PM	Workshop	Weaving Sustainability: Hands-On Workshop on Measuring Carbon Footprint in Handloom & Textiles (LH-212)
01:00-02:00 PM	Lunch for Workshop Participants (LH-212/213 Foyer)	
02:00 PM Onwards	Conference Registration (Central Atrium, Lecture Hall Complex)	
03:00-04:30 PM	Conference Inauguration & Welcome Remarks (LH-121)	
04:30-04:45 PM	Exhibition Inauguration by Chief Guest (Central Atrium, Lecture Hall Complex)	
04:45-05:15 PM	High Tea by Reifenhäuser Reicofil (LH-121 Foyer)	
Plenary Session - 1 (LH-121)		
Chair - Prof. V K Kothari - Emeritus Professor, IIT Delhi		
05:15-05:35 PM	Plenary Talk 1	Mr. Ashok Malhotra – Mission Director, National Technical Textiles Mission (NTTM) National Technical Textiles Mission – Accomplishments and Future Vision
05:35-05:55 PM	Plenary Talk 2	Mr. Anand Yadav - Managing Director, MEKR Technologies Pvt Ltd From Classroom to Company: Building Something Real While You’re Still on Campus
05:55-06:15 PM	Plenary Talk 3	Mr. Kanav Gupta – Associate Director, Business Co-ordination House Pvt Ltd From Potential to Powerhouse: India’s Rise as a Global Technical Textile Hub
07:00 PM Onwards	Industry-Faculty Networking Dinner Hosted by BCH (by Invitation only)	

DAY-2 | Saturday 7 February 2026 | Program Schedule

09:00-09:30 AM	Welcome Tea (LH-121 Foyer)			
Parallel Session 1				
Time	Session 1A (LH-108)	Session 1B (LH-111)	Session 1C (LH-114)	Session 1D (LH-316)
	PPE and their Multihazard Performance	From Field and Flock to Fabric	Structural Innovation in Textile Composites	Engineering Textiles for Medical Intervention
	Chair: Prof. B. S. Butola	Chair: Prof. Samrat Mukhopadhyay	Chair: Prof. R Alagirusamy	Chair: Prof. Sourabh Ghosh
09:30-09:45 AM (Session Keynote)	Prof. Jitendra Pratap Singh Design & Characterization of Laminated Activated Carbon Fabric for Critical Military Applications	Dr. Afrose Fathima Farid Advancing Textile Sustainability: Natural Dyed Plant Based - Sustained Yarns for Craft Industry Implementation	Dr. Shantanu Bhat Sustainable Textile-Reinforced Composites: An Interdisciplinary Platform Approach from Materials to Applications	Dr. Nilanjana Bairagi Designing Support Pillows for Individuals under Palliative Care
09:45-09:55 AM	Ms. Varsha Bandal AI Integration in the PPE Textile Lifecycle: From Design to Laundry for Performance and Sustainability	Dr. Shivangi Agarwal A Study on Properties of Union Fabrics Developed with Sisal Fibre for Textile Application	Dr. Sugun Sridharan Three Dimensional Weaving Machines Technical Challenges in their Development	Dr. Subhankar Maity Development of Germicidal Textiles based on Polyprrole and MXene Coated Cotton Fabrics
09:55-10:05 AM	Mr. Sujaan Satish Kaushik Lightweight Bio Aerogels and it's Integration into Thermal Insulating Textiles for Cold Weather Conditions	Dr. Gargee Bhattacharjee Development of Fancy Yarn using Local Sheep Wool of Himachal Pradesh	Dr. Seiko Jose Analysis of Physico-mechanical and Aging Properties of Coarse Wool- Natural Rubber Composites	Mr. Hariharasudan Natarajan Development of Antibacterial Silk-based Implants with Electrospun Cefiderocol Nanofibers and PEO-coated Mg ₂ ZnCa
10:05-10:15 AM	Mr. Sockalingam Al Assessment of Convective and Radiative Heat Transfer Coefficients of Extreme Cold Weather Clothing on a Newton Thermal Manikin	Dr. Nidhi Sisodia Developing Sustainable Textiles from Parali Fibres (Rice stubble): Valorization of Rice Stubble for Eco-Friendly Textile Applications	Dr. Santanu Basak Natural Fibre Reinforced Cactus Leaf Gel Infused Natural Rubber Latex Dressing based Biodegradable Engineered Flexible Composite	Ms. Shweta Shukla Engineering the Osteochondral Junction: A 3D Bioprinted Full Thickness Cartilage-Bone Model
10:15-10:25 AM	Dr. Shamayita Patra Development of Textile based Fruit Covering Bags	Dr. Kislaya Choudhary Exploring Sustainability through Interactive Digital Design Space for Digitally Printed Textiles	Mr. Anant Gupta Study of Mechanical Properties of High Performance Thermoplastic Composites	Ms. Amisha Singh Sustainable Nano Functionalised Textiles for Advanced Wound Care and Wellbeing
10:25-10:45 AM	High Tea (LH-121 Foyer)			



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Plenary Session - 2 (LH-111)		
Session Chair: Prof. R. Chattopadhyay		
11:00 AM	Plenary Talk: Academia	Prof. Thomas Gries - Professor, RWTH Aachen University, Germany From Fossil to Renewables: Strategies for a Future-Ready Indian Textile Sector
11:20 AM	Plenary Talk: Industry	Mr. Rahul Bansal - Vice President & Head - Nonwovens Business, Birla Cellulose Global Shifts and Future Direction of Nonwovens on Sustainability & Innovation
11:40 AM	Plenary Talk: Industry	Mr. Simon Finianos - Sales Director, Reifenhäuser Reicofil Latest Developments in Spunmelt Nonwovens – Opportunities and Challenges
12:00 PM	Plenary Talk: Industry	Mr. Utssav Gupta - Director, Supertech Fabrics Pvt Ltd Design of Hybrid Filter Media: Performance Surface Engineering for Industrial Filters
12:20 PM	Plenary Talk: Industry	Mr. Debabrata Ghosh - VP & Sales Director, Oerlikon Barmag Navigating Geopolitics – Technology Innovation and Global Expectations
12:40 PM	Plenary Talk: Industry	Mr. Mahesh Kudav - Managing Director, Venus Safety & Health Pvt Ltd Air Filtration Media Advancements and Solutions for India
01:00 PM	Panel Discussion 1	Topic - Beyond the Syllabus: Are Our Graduates Prepared?
		Prof. Kushal Sen (Emeritus Professor IITD & Moderator), Dr. Ashwan Kapur (Managing Director, Uniproducs India Ltd), Mr. Rajeev Ranka (Managing Director, Alpha Foam Ltd), Prof. Mangala Joshi (Professor, IITD), Prof. Boris Mahltig (Professor, Hochschule Niederrhein), Dr. Nandan Kumar (Managing Director, High Performance Textiles Pvt Ltd)
01:30–02:30 PM	Lunch (LH-121 Foyer)	

Parallel Session 2				
Time	Session 2A (LH-108)	Session 2B (LH-111)	Session 2C (LH-114)	Session 2D (LH-316)
	Yarn-to-Garment Against the Blade	Waste-Derived Textile Innovations	Artificial Intelligence in Textile Systems	Smart and Functional Textile Systems
	Chair: Prof. Abhijit Majumdar	Chair: Prof. Deepti Gupta	Chair: Prof. Amit Rawal	Prof. Bhanu Nandan
02:30-02:45 PM (Session Keynote)	Dr. Nandan Kumar Next-Generation Cut-Resistant Yarns: Para-Aramid/UHMWPE Composites without Metallic Reinforcement	Dr. Sanjay Kumar Bhikari Charan Panda Life Cycle Extension of Aramid Fibres: A Sustainable Approach	Dr. Ankur Saxena Real Time Data Monitoring of a Garment Production Floor using Needle Time	Prof. Prasanth R Krishna Smart Textiles for Flexible Battery and Supercapacitor Applications
02:45-02:55 PM	Dr. Krishna Prasad Guruswamy Sustainable High-Performance Gloves from Cotton/Recycled Para-aramid/HDPE Blends	Dr. Samita Gupta Waste Utilization in the Textile Sector: Recycling Garment Industry Waste into Handbags	Dr. Chet Ram Meena Artificial Intelligence (AI) and Digital Sustainability: Transforming the Future of Textile Manufacturing	Prof. Harishchandra Singh Breaking the Energy-Power Trade-off: Engineering Lanthanide-Transition Metal Interfaces for Next-Generation Supercapacitors
02:55-03:05 PM	Mr. Shubham Singh Studies on Cut-Protective Performance of Composites Yarn based Knitted UHMWPE Textiles in Real-World Industrial Applications	Mr. Rahul Kandpal High-Throughput Screening of Textile Wastewater-Derived Electroactive Biofilms on Diverse Thin Film Electrodes in a Microfluidic Reactor Array	Mr. Ramchandra Pandurang Sawant AI in Textiles	Mr. Chirantan Shee Exploring the Influences of Pretreatment Process and Structural Parameters of Nonwovens on their Triboelectric Energy Harvesting Performance
03:05-03:15 PM	Mr. Md. Zayedul Hasan Thermal Comfort Behaviour of Cut Protective Workwear Fabric Made from Filament Twisted Core Sheath Yarn	Mr. Rahul Ranjan Ghosh Sustainable Knitwear Solutions from Recycling Tasar Silk Waste for Eco-Friendly Textile Innovation	Mr. Rikhil Nagpal Weaving Sustainability: Generative AI Framework for Craft Preservation in Indian Textiles	Mr. Chandru M Development of Highly Conductive Metallic Thread for Wearable Strain Monitoring
03:15-03:25 PM	Mr. Md Azharul Islam Tensile Performance of Cut Protective Woven Fabrics Made with Metallic/Glass Core Hybrid Yarns	Mr. Blesson Tom Mathew Waste-derived Cellulosic Fibres for High Strength and Thermal Energy Storage Applications	Ms. Ishitha Thakalapatty Raghuuram Development of CNN-Based Defect Detection System for Garment Quality Inspection	Mrs. Anuradha Ajmera Study on Properties of Luminescent Material in Yarns and Fabrics
03:25-03:35 PM	Ms. Palak Kakar Technical Textiles for Personal Protection: Current Scenario	Mr. Gulshitab Aalam Valorization of Biomass-derived Molecule for Engineering Multifunctional and Comfortable Cotton Fabric	Mr. Chandrashish Roy MRI-based Artificial Intelligence Grading of Knee Osteoarthritis to Enable Severity-Specific Orthopaedic Interventions	Dr. Rupali Dhiman Relating Haptic Properties and Perceived Similarity in Fabrics and Natural Materials
03:35-03:55 PM	Tea Break & Networking (LH-121 Foyer)			
03:55-05:25 PM	Poster Session (LH-108-111-114 Corridor)			
03:50-06:00 PM	Industry/Startup Innovation Showcase (LH-111)			
06:30-08:00 PM	Cultural Program (LH-121)			
08:00 PM Onwards	Conference Dinner (LH-121 Foyer)			



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03:50-06:00 PM - Industry/Startup Innovation Showcase (LH-111)

03:50-04:00 PM	NTTM Entrepreneurship & Industry Support Schemes
04:00-04:10 PM	Mr. Alok Pandey, CEO, Atal Incubation Centre Textile Tech Innovator: Powering IIT Delhi's Startup Ecosystem for Textile Entrepreneurs
04:10-04:20 PM	Greenstitch Technologies Pvt Ltd
04:20-04:30 PM	Ecosynx Innovation Pvt Ltd
04:30-04:40 PM	Super Machine Works Pvt Ltd
04:40-04:50 PM	Paracoat Products Ltd
04:50-05:00 PM	Inexus Biotech Pvt Ltd
05:00-05:10 PM	Texoedge Pvt Ltd
05:10-05:20 PM	Flawsome Pvt Ltd
05:20-05:30 PM	E-Spin Nanotech Pvt Ltd
05:30-05:40 PM	N P Kinariwala Pvt Ltd
05:40-05:50 PM	Poretech Instruments India
05:50-06:00 PM	Raksha Kavach Tech Pvt Ltd

DAY-3 | Sunday 8 February 2026 | Program Schedule

09:00-09:30 AM	Welcome Tea (LH-121 Foyer)			
Parallel Session 3				
Time	Session 3A (LH-108)	Session 3B (LH-111)	Session 3C (LH-114)	Session 3D (LH-316)
	Fibrous Barriers to Heat and Flame	Upcycling Across Fashion, Materials and Applications	Chemical Pathways to Multifunctional Textiles	Textiles for Soil, Crop and Construction
	Chair: Prof. Harun Venkatesan	Chair: Prof. Manjeet Jassal	Chair: Prof. Prasanth R Krishna	Chair: Prof. Sumit Sinha Ray
09:30-09:45 AM (Session Keynote)	Dr. Manorama Tripathi Protective Gloves for Para-Military Forces: Integrating Cut, Fire, and Impact Resistance	Dr. Deepali Singhee Gond-Inspired Upcycled Denim: A Sustainable Approach to Toddler Fashion	Dr. Marwa Abdellah Eco-Friendly Fabrication of Multifunctional Conductive Textiles for Smart and Sustainable Applications	Prof. Tushar Chandrakant Patil Processing and Characterization of Flex Banner Waste into Reinforced Roofing Materials
09:45-09:55 AM	Dr. Sundaramoorthy Palanisamy Development of FR Nonwoven using Indigenously Developed FR PA66 Fibres	Dr. Abhijit Mukherjee Development of Fashion Garments by Upcycling the Textile Waste	Dr. Rupali Kakaria Functional Finishing of Cotton Fabric with Microencapsulated Grapefruit Essential Oil for Dual Protection against Mosquitoes and UV Radiations	Dr. Priya Jaswal Climate-Resilient Natural Fiber Geotextiles: Enhancing Road Performance under Wetting, Drying and Soaking Conditions
09:55-10:05 AM	Dr. Shafieq Ahmad Wagay Study on the Enhancement of the Total Heat Loss and Thermal Comfort in Extreme Heat Protective Garments	Dr. Vinod Vishnu Kadam Harnessing Coarse Wool for Eco-Conscious Plant Growth: A Textile Solution for Sustainable and Organic Farming	Mr. Safwan Mafaaz K.M. Multifunctional, Fluorine Free Chitosan-MTMS on Cotton Fabrics for Improved UV Blocking, Antibacterial-Antiseptic and Hydrophobicity Performance	Dr. Dinesh Bhatia Investigation of Interface Shear Behaviour with Sand and Clay for Treated Coir Geotextiles with Benzyl Chloride and Dimethylformamide
10:05-10:15 AM	Mr. Sudhanshu Maurya Development of a Bench-Scale Instrument for Radiant and Flame Protection Performance in Various Orientations	Ms. Sangavi T Mechanical Recycling of p-Aramid Fabric Waste	Mr. Yadav Avadhesh Anantram Role of Magnetic NiFe ₂ O ₄ and Conductive rGO in Tailoring the Dielectric and EMI Shielding Properties of TPU Nanocomposite Films	Mr. Rajan Rikhi Microstructural Analysis and Engineering of Polyethylene Terephthalate and Olefins for Significant Impact on Geotextile Products
10:15-10:25 AM	Mr. Md. Jawad Ibn Amin Fabrication and Evaluation of Thermal Protective Performance and Mechanical Characterization of the Outer Layer of Firefighters' Suits	Ms. Ayasha Beg Development and Comparative Characterisation of Bioplastics Films from Water Hyacinth and Sugarcane Bagasse Cellulose Reinforced with Natural Polymers	Mrs. Sagarika Aditya Coating Of Cotton with Ternary Blend of Sodium Alginate, Sugar and Bio-Latex for a Sustainable Waterproof Textile with Moisture Vapour Permeability	Mrs. Trupti Ashish Dhoka Reprocessing of Textile Fiber Waste into Sustainable Agrotech
10:25-10:45 AM	High Tea (LH-121 Foyer)			



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Plenary Session - 3 (LH-111)		
Session Chair: Prof. S. M. Ishtiaque		
11:00 AM	Plenary Talk: Academia	Prof. Gang Sun - Professor, University of California, Davis, United States Development of Polylactic Acid Fibrous Materials with Improved Mechanical and Biodegradability and Enhanced Daylight Photoactivity
11:20 AM	Plenary Talk: Government	Dr. Vikas Baburao Thakare, Scientist G & Associate Director, DRDE, DRDO Next Generation CBRN Protective Textiles for Defence Application
11:40 AM	Plenary Talk: Industry	Mr. Sudipto Mandal, Regional Sales Director, Oerlikon Barmag Barmag Recycling Technologies - Closing the Loop, Opening Potential Mr. Shridhar Dhumal, Regional Sales Director, Oerlikon Barmag Leading Nonwoven Technology - Innovation Engineered for Performance
12:00 PM	Plenary Talk: Industry	Mr. Umasankar Sinha Mahapatra - Managing Director, Pulcra Chemicals India Pvt Ltd Sustainable Chemical Solutions for Technical Textiles
12:20 PM	Plenary Talk: Academia	Prof. Md Mahbubul Bashar - Professor, Mawlana Bhashani Science And Technology University, Tangail, Bangladesh Sustainable Cellulose-based Nanocomposites for Advanced Medtech Applications: Wearable Sensors for Personal Health Monitoring
12:40 PM	Panel Discussion 2	Topic - The Market Tug-of-War: Innovation vs. Marketing
		Prof. Ashwini K. Agrawal (Dean R&D - IITD & Moderator), Mr. Rahul Dubey (Sales and Marketing Manager, Henkel AG & Co), Mr. Mahesh Kudav (Managing Director, Venus Safety & Health Pvt Ltd), Dr. M. S. Parmar (Director, NITRA), Mr. Kanav Gupta (Associate Director, Business Co-ordination House Pvt Ltd), Prof. Bhuvanesh Gupta (Emeritus Professor, IIT Delhi)
01:30-2:30 PM	Lunch (LH-121 Foyer)	

Parallel Session 4				
Time	Session 4A (LH-108)	Session 4B (LH-111)	Session 4C (LH-114)	Session 4D (LH-316)
	Textiles for Filtration & Noise Control	Circularity: Life Cycle, Emissions and System Transitions	Chemistry of Colour and Textile Surfaces	Engineered Materials and Analysis
	Chair: Prof. Dipayan Das	Chair: Prof. Rajiv K Srivastava	Chair: Prof. Mangala Joshi	Chair: Prof. Archana Samanta
02:30-02:45 PM (Session Keynote)	Prof. Vardhaman Bhupal Chougule Impact of Hollow and Solid Polyester Fiber Cross-Sections on Filtration Performance in Needle-Punched Nonwovens	Dr. Subhadeep Paul A Life Cycle Assessment Study: Is Bacterial Cellulose Leather a Sustainable Alternative to Conventional Textile Products?	Prof. Boris Mahltig Smart and Functional Textile Surfaces by Coating Applications using Effect Pigments and Functional Pigments	Prof. Shekh Md. Mamun Kabir Intercalation of α -Zirconium Phosphate with Amines used as Epoxy Additives and Catalysts
02:45-02:55 PM	Dr. Ujjainkumar Pundlik Mhasavekar Recent Developments in Pervaporation Membranes	Dr. Bharti Bisht CA-AIS Framework for Textile Supply Chain Emission Accounting	Dr. Meenakshi Kumari Commercial-Scale Eco-Printing of Silk Fabric Using Natural Mordants and Manjishtha-based Pigments	Dr. Haree Charan Meena Effect of Twist Multiplier on Wickability of Siro Spun Yarns
02:55-03:05 PM	Dr. Janmay Singh Hada Nanofibers, Nonwovens, and Beyond: Next-Generation Textile Filtration Systems	Dr. Preeti Kaur Sachdeva Environmental Impacts of Cotton vs. Milkweed Fibres: A Cradle-to-Gate Life Cycle Assessment	Dr. Arun Kumar Patra Electrochemical Dyeing using Indigo Colour	Mr. Vignesh G Computational Fluid Dynamics (CFD) Analysis of Process Parameters and Nozzle Design in Meltblowing
03:05-03:15 PM	Dr. Meenakshi Ahirwar Sustainable Acoustic Materials from Silk Waste and Natural Fiber-Based Nonwovens	Mr. Biren Vora Game-Theoretic Modelling of Circular Economy Rebound Effect and Track & Trace Capabilities in Sustainable Fashion	Dr. Ramachandran R Extraction and Characterisation of Natural Dye Stuff obtained from Cannonball Tree Bark	Mr. Mayur Sharma Comprehensive Analysis of Denim Fabric Properties: Influence of Fiber Composition and Weave Architecture
03:15-03:25 PM	Mr. Siddhi Vardhan Singh Rao Modelling and Experimental Study on Acoustic Behaviour of Tricot Fabrics	Mr. Gyanesh Kumar Jha Carbon Footprint Assessment of Indian Handloom Production	Mrs. Kathirolu Raja Sustainable Dyeing of Cotton with <i>Sesbania grandiflora</i> Extract and Zinc Oxide Nanoparticle Finishes for Improved Color Strength and Functional Properties	Ms. Garima Raj Beyond Clothing: Unveiling the Role of Non-Apparel Textiles in Everyday Use
03:25-03:35 PM	Mr. Shantnu Verma Effect of Bonding Techniques and Process Parameters on Thermal and Acoustic Properties of Nonwovens	Ms. Aadhya Singh Development and Comparative Characterisation of Bioplastics Films from Water Hyacinth and Sugarcane Bagasse Cellulose Reinforced with Natural Polymers	Mrs. Aastha Rajawat Effect of Sustainable Pretreatments and Dyeing on Protective Bamboo- Cotton Fabric	Ms. Paramjeet Kaur Innovative Smart Textile Application: Reflective School Uniforms for Student Road Safety
03:35-04:00 PM	Tea Break (LH-121 Foyer)			
04:00-05:00 PM	Poster Prize Distribution & Valedictory Session (LH-111)			

07/02/2026, 03:55-05:25 PM | Poster Session

Poster ID	Participant Details
P-01	Dr. Fayeza Noor – Cambridge School, Delhi Recent Innovations in Smart Textiles and the Role of AI in Textile Industry
P-02	Mr. Vijay Verma – Defence Research and Development Establishment, Gwalior NBC Protective Textiles
P-03	Ms. Anshika Hansini – Indian Institute of Handloom Technology, Bargarh Natural Dye
P-04	Ms. Vinaya D – Kumaraguru College of Technology, Coimbatore Repurposing of Jackfruit Waste into Nonwoven Fabric
P-05	Ms. Priyanka Pant – Jawaharlal Nehru Government Engineering College, Sundernagar, Mandi, Himachal Pradesh, India Sustainable Fiber Recovery from Cigarette Waste to Technical Textile
P-06	Ms. Simar Kaur – IILM University, Gurugram The Role of Textile Sensory Feedback on Attention Span Among College Students
P-07	Mr. Swarup Kumar Dash – Indian Institute of Handloom Technology, Bargarh Adaptive Surface Textile with Automotive Textile
P-08	Ms. Jiya Gupta – Jawaharlal Nehru Government Engineering College, Sundernagar, Mandi, Himachal Pradesh, India Bio-based Fiber-Enhanced Geotextiles for Sustainable Unpaved Road Infrastructure
P-09	Ms. Spandana Prem Deshpande – Dr. D. Y. Patil School of Design, Pune Positioning of Textile Supply Chain in Sustainability
P-10	Ms. Aishwarya Atul Toley – National Institute of Fashion Technology, Kangra Upcycling Nonwoven and Woven Polypropylene Packaging Waste through Surface Manipulation for Functional Textile Development
P-11	Dr. Himadri Tanaya Mahanta – Odisha University of Technology and Research, Bhubaneswar Mechanical Properties of Natural Fibre Woven Geotextiles
P-12	Mr. Ankush Shaw – Indian Institute of Technology Delhi, New Delhi Breathable Polymeric Coatings for Textile Upholstery Application
P-13	Ms. Suhani Ujjwal – National Institute of Fashion Technology, Delhi Permanent Ink-Lock Technology for Lifetime-Preserved Textile Memorabilia
P-14	Mr. Abhishek Chakraborty – Jagannath University, Delhi Sustainability in Style: Risa Fabric as a Bridge between Handloom Traditions and Modern Wear

P-15	Mrs. Nathiya M – PSG College of Arts and Science, Coimbatore Development and Characterization of Bio-Based Flame Retardant Finishes on Cotton Fabrics Using Chitosan for Sustainable Textile Applications
P-16	Mr. Rikhil Nagpal – Dr D Y Patil School of Design, Dr D Y Patil Vidyapeeth, Pune Post-consumer Textile Waste Management: A Holistic Approach Towards a Circular Economy while Bridging Socio-cultural and Socio-economic gaps
P-17	Mr. Sagnik Ghosh – Department of Textile & Fibre Engineering, IIT Delhi, Hauz Khas, New Delhi Development of Biodegradable Polymer based Orthopaedic Implants
P-18	Ms. Rojalin Pradhan – Indian Institute of Handloom Technology, Bargarh, Odisha, India Textile Sustainability and Recycling: Toward a Circular Future
P-19	Ms. Gargi Sharma – Government Women Polytechnic College, Jaipur, Rajasthan CRISPR-based Microorganisms for Smart Textile Finishes
P-20	Mrs. Anthima Ram – Institute of Design, MIT ADT University, Pune Systematic Review of Diabetic Wound Healing Using Nonwoven Antimicrobial Silver-Ion Embedded and Alginate Dressings
P-21	Mrs. Shakti Bathla – Northern Indian Institute of Fashion Technology, Chennai Study on Use of Reusable Cloth Diapers made from Sustainable Fabric
P-22	Prof. Deepali Singhee – ILEAD, Kolkata Diversifying Gamchhas of Kenjakra in West Bengal for Sustainable Livelihoods: A Study on Innovative End-Uses
P-23	Mr. A. Hari Krithik – Kumaraguru College of Technology, Erode Turmeric Nanocoating
P-24	Ms. Jothika Jeyabalan – Indian Institute of Technology Guwahati, Assam Statistical Optimization and Recombinant Expression of Native Laccase in <i>Pichia pastoris</i> for Enhanced Thermo- and pH-Stable Biocatalysis in Textile Dye Degradation
P-25	Mr. Ajithkumar Veluchamy – Indian Institute of Technology Guwahati, Assam Sequential Azoreductase-Laccase mediated Biodegradation of Azo-dye for Textile Effluent Treatment
P-26	Ms. Madhu Priya – Panipat Institute of Engineering & Technology, Samalkha Chemically Treated Flame-Retardant Cotton vis-a-vis Inherent Para-aramid Fabric in Reference to Multiple Washing
P-27	Ms. Kavita Saroha – Amity University Haryana, Gurugram Artificial Intelligence in Apparel: Balancing Efficiency, Sustainability and Virtual Fashion Commerce
P-28	Mr. Akhilesh Kumar Sharma – IIT Delhi, New Delhi Influence of Biomolecule on Long-Term Stability of Piezoelectric Properties of PVDF Composite Nanofibers for Athlete Training
P-29	Ms. Aditi Sharma – Amity University Haryana, New Delhi Integrating Textile Sustainability into Plus-Size Fashion for a Responsible Future

P-30	Ms. Himani Bir – Guru Nanak Dev University, Amritsar Consumer Perceptions and Behavioral Insights on Recycling and Upcycling of Post-Consumer Textile Waste
P-31	Ms. Anjana – Dept. of Apparel and Textile Technology, Guru Nanak Dev University, Amritsar Value Addition to Old Children's Clothes Using Upcycling Techniques
P-32	Dr. Upasana Saxena – Amity School of Communication, Lucknow Marketing Strategies for Bridging Performance and Sustainability in Technical Textiles
P-33	Ms. Shivangi Bansal – Indian Institute of Technology Jodhpur Characterizing Desert Cotton as a Material Filler for Neck Pillow
P-34	Ms. Tarandeep Kaur – Kanya Maha Vidyalaya, Jalandhar Chikankari Embroidery and Sustainable Textile Innovation
P-35	Mr. Akash Patel – NIFT Gandhinagar, Gujarat Rhizomorphic Bio-Textiles for Regenerative Disposable Packaging
P-36	Ms. Samruddhi Vaibhav Purandare – National Institute of Fashion Technology, Pune Hybrid Energy-Harvesting Smart Textile Integrating Thermochromic Sensing and ECG Monitoring
P-37	Ms. Simmi Sharma – Jagannath University, Haryana Upcycling the Single-Use Plastic in Circular Fashion
P-38	Mr. Aditya Bhandari – Indian Institute of Technology Delhi, New Delhi Valorization of Polyester Waste into Thermoregulatory Polyester Fibre
P-39	Mr. Chaitanya Kaustubh Deshpande – Institute of Chemical Technology Mumbai Woodland Camouflage with In-situ Functional Finish
P-40	Ms. Kamlekar Preethi – National Institute of Fashion Technology, Hyderabad From Farm Waste to Future Materials: Sustainable Composites for Advanced Applications
P-41	Ms. Atryee Das – Indian Institute of Technology Delhi, New Delhi Molecular Ferroelectrics: Harnessing Triglycine Sulphate for Next-Generation Energy Materials
P-42	Ms. P. Lakshmi – Amrita School of Physical Sciences Coimbatore Sustainable Functional Textiles: Surface-Modified Cotton Dyed with Grape Skin Extract for UV and Antibacterial Protection