



International Online Conference

on

## **Advances in Textile, Fashion and Crafts [ATFC-2021]**

**March 22-24, 2021**

**Venue: Zoom App**

### **PROGRAMME SCHEDULE**

**DAY 1: 22<sup>nd</sup> March, 2021**

<b>Time</b>	<b>Activities</b>
<b>09.30 am -10:10 am</b>	Inaugural of Conference

**DAY 1: 22<sup>nd</sup> March, 2021****Session - 1****Theme- Rebooting -Fashion Industry 4.0**22<sup>nd</sup> March, 10:15 am to 01:25 pmSession Chair: **Prof. Inderpal Rai**Session Co-Chair: **Dr. Ishwar Kumar & Dr. Shikha Gupta**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Expert Talk</b> 10:15 am - 10:40 am	Craft, Engineering and Science of Lockstitch Seam	<b>Prof. S Ghosh</b> NIT Jalandhar
<b>Expert Talk</b> 10:40 am -11:05 am	Indian Fashion Industry 4.0-A Study of Impact of Covid and Preparedness	<b>Prof. (Dr.) Pradeep Joshi</b> Amity University, UP
<b>Expert Talk</b> 11:05 am to 11:30 am	Circularity in Textile and Clothing Supply Chain: Understanding the Barriers in Indian Context	<b>Prof. Abhijeet Majumdar</b> IIT Delhi
<b>Expert Talk</b> 11: 30 am to 11:55 am	Protective Textiles for Chem-Bio Defence	<b>Dr. Vikash</b> DRDO India
<b>Expert Talk</b> 11: 55 am to 12: 05 pm	Recent Trends in Fashion	<b>Rahul Mishra</b> Fashion Designer
12:05 am to 12:15 pm	Industry 4.0 Applications in Apparel Manufacturing	<b>Manoj Tiwari,</b> NIFT, Jodhpur India
12: 15 pm to 12:25 pm	From Prediction to 'Likes': Innovation in Colour Forecasting	<b>Savita Sheoran Rana</b> NIFT, New Delhi, India
12: 25 pm to 12:35 pm	Fashion Industry 4.0: Future and Prospects	<b>Sandeep Sachan,</b> NIFT Kangra India
12: 35 pm to 12:45 pm	Exploring Adaptive Clothing Requirements of People With Locomotor Disability	<b>Anu H. Gupta</b> UIFT P U, India
12: 45 pm to 12:55 pm	Managing Fashion - A Collaborative Approach Through Internet of Things (Iot) and Artificial Intelligence (AI)	<b>Deep Sagar Verma,</b> NIFT Panchkula, India
12: 55 pm to 1:05 pm	Development of Antibacterial Fabrics from Polyester-Silver Nanocomposite Fibres	<b>Prakash Khude,</b> IIT Delhi
01: 05 pm to 01:15 pm	Linear to Circular Economy Through Application of Blockchain in Indian Apparel Industry	<b>Ahmed Ashraf Zaidi,</b> NIFT Delhi, India
<b>1: 15 pm to 01:25 pm</b>	<b>Question/Answer Session</b>	

**DAY 1: 22<sup>nd</sup> March, 2021**

**Session - 2**

**Theme- Recent advancements in Textiles & Fashion**

22<sup>nd</sup> March, 02:00 pm to 04:25 pm

Session Chair: **Prof. Banhi Jha**

Session Co-Chair: **Dr. Chet Ram Meena & Ms. Lajoplin Nongsiej**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Expert Talk</b> 02:00 pm to 02:25 pm	Fashion (Clothing) Design And Teaching Sustainability In A Pre- And Post-Pandemic World	<b>Prof. Delia Crowe</b> University of Southampton
<b>Expert Talk</b> 02:25 pm to 02:50 pm	Thermal Comfort Properties of Textiles in Wet State	<b>Prof. Lubos Hes,</b> TU LIBEREC
<b>Expert Talk</b> 02:50 pm to 03:15 pm	Advancements in Fashion & Textile Manufacturing: Vietnamese Perspective	<b>Prof. Rajkishore Nayak,</b> RMIT U - Vietnam
03:15 pm to 03: 25 pm	Investigations on the Combined Effect of Coffee Dyes and Thermochromic Dye on Color Changing Property of Cotton Fabric	<b>S. Sudha,</b> PSG Tech Coimbatore
03:25 pm to 03: 35 pm	Development of Wound Dress Using Natural Fibre	<b>G. Malarvizhi,</b> Dr. N.G.P A S C, Coimbatore
03:35 pm to 03: 45 pm	Design And Development of Smart Socks for Infants to Monitor their Vital Parameters	<b>S.S.Suresh,</b> S C T Salem
03:45 pm to 03: 55 pm	Bacterial Cellulose – Application for Textile & Fashion	<b>L. Suvitha,</b> PSG Tech Coimbatore
04:05 pm to 04: 15 pm	Bulked Yarns	<b>Amal Chowdhury,</b> TITS Bhiwani
<b>4:15 pm to 04:25 pm</b>	<b>Question/Answer Session</b>	

**End of the Day 1**

**DAY 2: 23<sup>rd</sup> March, 2021****Session - 3****Theme- Futuring Craft**23<sup>rd</sup> March, 09:40 am to 01:40 pmSession Chair: **Prof. Vandana Bhandari**Session Co-Chair: **Dr. Manoj Tiwari & Dr. Aditi Mertia**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Expert Talk</b> 09:40 am to 10:05 am	Adversity to Opportunity - Revival of Hand Block printing traditions during the COVID-19 Pandemic.	<b>Dr. Madan Meena</b> <b>Adivashi Academy</b>
<b>Expert Talk</b> 10:05 pm to 10: 30 pm	Khadi - A Case Study in Sustainability	<b>Prof. S Mukhopadhyay</b> IIT Delhi
<b>Expert Talk</b> 10:30 am to 10:55 am	Fashion and Craft	<b>Mr. Somesh</b> Craft Village
10:55 am to 11:05 am	Impact of Covid - Opportunities and Challenges of Paithani weavers in Maharashtra	<b>Shubha Mahajan,</b> MGMU, Aurangabad, India.
11:05 am to 11:15 am	Exploring the Scope of Methods Analysis in the Block printed Kalamkari Craft of AP	<b>Srivani Thadepalli,</b> NIFT, Hyderabad, India
11:15 am to 11:25 am	Socio Economic Conditions of Pattu Weavers of Western Rajasthan	<b>Radha Kashyap</b> IIS, Jaipur, India
<b>Expert Talk</b> 11:30 am to 12:00 pm	Fashion linked with development and sustainability	<b>Ms. Bibi Russell</b> Fashion Designer
<b>Expert Talk</b> 12:00 am to 12:30 pm	Understanding The Clothing Sensation And Touch	<b>Prof. Apurba Das</b> IIT Delhi
12:30 pm to 12:40 pm	Colouration of Textile with Fluid Art	<b>Vishaka Ashish Karnad,</b> C H S Mumbai India
12: 40 pm to 12:50 pm	Digital Creation of Forgotten Motifs	<b>Shalini Singh,</b> C F D T Allahabad
12: 50 pm to 01:00 pm	Role of Multimedia in Designing, Production & Marketing of Kota Doria for Greater Exposure and Awareness	<b>Bindu Chaturvedi</b> G A G C, Kota India
01: 00 pm to 01:10 pm	Exploring The Awareness of Handloom Carpet and Carpet Printing, Evaluation of Designs Inspired by Flying Birds: A Survey	<b>Sadhna,</b> S V S U Meerut India
01: 10 pm to 01:20 pm	Identification of Sujani Art with Creative Thinking and Changes	<b>Sunita Rai,</b> C F D T Allahabad
01: 20 pm to 1:30 pm	The Economic Impact of Covid-19 On Textile & Apparel Industry and Structural Transformation of Its Supply Chain with the Vision of Atamnirbhar Bharat	<b>Harinder Pal,</b> BPS Sonipat
<b>01: 30 pm to 01:40 pm</b>	<b>Question/Answer Session</b>	

**DAY 2: 23<sup>rd</sup> March, 2021****Session - 4****Theme - Innovative solutions in Fashion & Textile**23<sup>rd</sup> March, 02:00 am to 05:10 pmSession Chair: **Prof. S. Ghosh & Prof. Samrat Mukhopadhyaya**Session Co-Chair: **Dr. Yuvraj Garg, Dr. Akanksha Pareek & Dr Madan Regar**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Expert Talk</b> 02:00 pm to 02:25 pm	Textile, Craft and Sustainability	<b>Prof. Mojgan Jahanara</b> Iran Academy of Art,
02: 25 pm to 02:35 pm	Current Status of Sewage Workers in India and Possible Solutions.	<b>Amit Gupta</b> , NIFT Delhi
02:35 pm to 02: 45 pm	A Study on the Influence of Basic Input Parameters on the Drapeability of Embroidered Fabrics in Terms of Drape Coefficient, Node Numbers and Drape Profile	<b>Anirban Dutta</b> , G C E T T Serampore
02:45 pm to 02: 55 pm	Design & Development of Knitted Apparels & Accessories by Recreation of Traditional Textiles via Surface Ornamentation	<b>Yamini J Dhir</b> , TITS Bhiwani
<b>Expert Talk</b> 03:00 pm to 03:30 pm	The Circular Economy for Textile: Closing the Loop	<b>Prof. David J. Tyler</b> Manchester Fashion Institute
03:30 pm to 03: 40 pm	Design and Development of Novel Vertical Wicking Instrument to Measure Wicking for Textile Fabrics	<b>R.Gobinath</b> , S C T Salem
03:40 pm to 03: 50 pm	3D Body Scanning Technology in Fashion & Apparel Industry: Applications, Technological Advancements & Challenges	<b>Sonia</b> , BPS, Haryana, India
03:50 pm to 04: 00 pm	Functional Performance of Coir Geotextile in Unpaved Roads	<b>Priya Jaswal</b> , JNGEC, Sundernagar
04: 00 pm to 04: 10 pm	Selection of Yarn for Better Thermophysiological Characteristics of Fabrics Using Multi Attributes Decision Making Techniques	<b>Dinesh Bhatia</b> , J N G E C Mandi,
04:10 pm to 04: 20 pm	Development of Bamboo Pulp Base Epoxy Coated Fashion Buttons for Garments	<b>Shweta Chauhan</b> , NITRA Ghaziabad
04:20 pm to 04: 30 pm	Selection of Nonwoven Nettle/Polyester Blend Fabrics for Apparel Textiles Using Desirability Function	<b>Akshay Sharma</b> , J N G E C, Himachal Pradesh,
04:30 pm to 04: 40 pm	Graphene Based Cotton Needle-Punched Fabric for UV Protection	<b>Vinit Kumar Jain</b> , NIT Jalandhar
04:40 pm to 04: 50 pm	Seam for Waterproof Garments	<b>Abhishek Kumar</b> , Amity University Noida
04:50 pm to 05: 00 pm	Assessment of Coloration and Functional Property Dataset Of Different Protein Fabrics Dyed with Ficus religiosa (Peepal) Bark Extract	<b>Neetu Rani</b> , B P S Sonipat
<b>5:00 pm to 05:10 pm</b>	<b>Question/Answer Session</b>	

**End of the Day 2**

**DAY 3: 24<sup>th</sup> March, 2021****Session 5, (A)****Theme- Impact of Covid on Fashion & Crafts**24<sup>th</sup> March, 09:40 am to 01:30 pmSession Chair: **Prof. Pradeep Joshi**Session Co-Chair: **Dr. Ankur Saxena & Dr. Ruchika Dawar**

Time	Topic	Speaker
<b>Expert Talk</b> 09:40 am to 10:05 am	Fashion Industry: Sustainability and Challenges during and post Pandemic Era	<b>Prof. Inderpal Rai</b> JNVU India
<b>Expert Talk</b> 10:05 pm to 10: 30 pm	Design and Development of Sportswear	<b>Prof. A Mukhopadhyay</b> NIT Jalandhar
<b>Expert Talk</b> 10:30 am to 10:55 am	Impact of Covid: Opportunities and Challenge in Fashion,	<b>Ms. Benita Singh</b> Nest, New York
11:00 am to 11:10 am	Impact of Covid-19 on Changing Shopping Patterns with Special Reference to Online Shopping of Fashion Products	<b>Shikha Gupta</b> NIFT Jodhpur
11:10 am to 11:20 am	Impact of Covid 2019- Opportunities For Social Entrepreneurship in Functional Fashion	<b>Mukthy S,</b> NIFT Kannur
11:20 am to 11:30 am	The Ethnographic Account of Terracotta Earthenware Making : Acknowledging The Overlooked Hand	<b>Saurav Sharma,</b> IIT Guwahati
11:30 am to 11:40 am	Vocal for Local- Indian Textile	<b>Nilima R Topno</b> Nift Patna
11:40 am to 11:50 am	Red List of Endangered Crafts: Introspecting Social Sustainability and Preserving Heritage Culture	<b>Ritika Sharma,</b> BPS Sonipat
11:50 am to 12:00 pm	Pattu Weaving in Rajasthan: An Extra Weft Weaving Technique	<b>Ankita Srivastav,</b> NIFT, Jodhpur India
12:00 pm to 12:10 pm	Rituals of Worshipping of Phad-A Folk Tradition of Rajasthan	<b>Akanksha Pareek,</b> NIFT Jodhpur
12: 10 pm to 12:20 pm	Marketing Techniques for Applique & Patchwork of Barmer	<b>Aparna Bhatia,</b> Wedme Good New Delhi
12: 20 pm to 12:30 pm	Use of Varied Natural Dyes as a Medium for Variation in Kotpad Weaves	<b>Amita Dutta</b> J.D. birla Kolkata
12: 30 pm to 12:40 pm	Study Chamba Chappal Craft and Identify The Gaps for The Improvement	<b>Anoop singh rana,</b> LPU Punjab India
12: 40 pm to 12:50 pm	Craft Exposure in Indian Higher Education and its Impact on Fashion Students for Sustainable Fashion Practice	<b>Prasanna Baruah,</b> Pearl Academy India
12: 50 pm to 01:00 pm	Natural Dyes of Nagaland -A Languishing Craft.	<b>Nisaphi Lyndem,</b> NIFT Delhi
01:00 pm to 01:10 pm	Anecdotes on Subsistence of A Craft Through Inescapable Crisis	<b>Beena Santosh</b> MSU Baroda,
01:10 pm to 01:20 pm	Innovation in Block Print Techniques to Enhance Aesthetic Value of Textile	<b>Ms. Bhawna Chauhan,</b> NIFT Delhi
<b>1:20 pm to 01:30 pm</b>	<b>Question/Answer Session</b>	

**DAY 3: 24<sup>th</sup> March, 2021 (11:00 am to 02:10 pm)**

**Session 5, (B)**

**Theme- Transforming Fashion and Craft Industry**

Session Chair: **Prof Vinay Midha**

Session Co-Chair: **Dr. Janmay Singh Hada & Mr. Atul**

Time	Topic	Speaker
11:00 am to 11:10 am	Barabanki Handloom A Study on Dying Weaving Craft of India	<b>Ayush Tiwari,</b> L C S U Rohtak
11:10 am to 11:20 am	Design Language and Cultural of Motifs in Jhajjar Pottery	<b>Sachin Pathak,</b> L C S U Rohtak
11:20 am to 11:30 am	Smart Motherhood Wear - A Solution to The Problem Maternity Wear	<b>Anushree Jaishwal,</b> University of Allahabad
11:30 am to 11:40 am	Performance of Neem Oil Treated Textile Structures for Healthcare Application	<b>Shubham Joshi,</b> NIT Jalandhar
11:40 am to 11:50 am	Green Branding: A Tool to Create Sustainable Brand Image	<b>Prachee Gaur</b> <b>R E pvt Ltd.</b>
11:50 am to 12:00 pm	Sustainable Dyes	<b>Rimika,</b> VIT Vellore
12:00 pm to 12:10 pm	Approaches for the Sustainable Textile and Fashion: Melange Yarn	<b>Madan Regar,</b> NIFT Jodhpur India
12: 10 pm to 12:20 pm	Textile for pollution control	<b>Agya Preet,</b> PIET Panipat
12: 20 pm to 12:30 pm	Seam Elongation Behavior in Knitted Fabrics	<b>Roopam Chauhan,</b> NIT Jalandhar
12: 30 pm to 12:40 pm	Unique Appearances and Developments in Melange Yarn	<b>Akhtarul Islam Amjad,</b> MLVTEC Bhilwara
12: 40 pm to 12:50 pm	Indian Art & its Aesthetics	<b>Anil Kumar,</b> L C S U Rohtak
12: 50 pm to 01:00 pm	Digital Transformation: A Response to Agile Fashion Industry	<b>Dr. Aditi Mertia,</b> NIFT Jodhpur India
01: 00 pm to 01:10 pm	Impact of Mithila Culutre on the Sujani Quilt of Bihar	<b>Anand Mohan Singh,</b> FDDI Kolkata
01: 10 pm to 01:20 pm	Impression of Covid-19 on Textile Industries	<b>Samridhi Garg,</b> NIT Jalandhar
01: 20 pm to 01:30 pm	Impact of Corona Crisis on Global Textile Supply Chain	<b>Sakshi Chaudhary,</b> UPTTI Kanpur
01: 30 pm to 01:40 pm	Project hand stitch : Gaining Perspective on Creating Makers Community to Understand Slow-Fashion and Sustainability	<b>Pramila Choudhary</b> Industrial Textile Designer
01: 40 pm to 01:50 pm	To Study Environment Contact for the Recycling and Reuse of Polyester Fibres	<b>Ramratan,</b> MRSPTU, Punjab India
01:50 pm to 01:55 pm	Fast Fashion and its Impact on Environment & Sustainability	<b>Vanshika Bansal,</b> AUN
01:55 pm to 02:05 pm	Sustainability in fashion forecasting a need of an hour	<b>Swati sohoni</b> Parul University Vadodara
02:05 pm to 02:10 pm	Recent Issues and Challenges Faced by Workers in Textile Industries	<b>Rupinder Kaur,</b> G N C, Sri Muktsar Sahib
	<b>Question/Answer Session</b>	

**DAY 3: 24<sup>th</sup> March, 2021**

**Session 6**

**Sustainable development in Fashion & Textiles**

24<sup>th</sup> March, 02:00 pm to 04:45 pm

Session Chair: **Shri. Anil Kumar (JD) & Prof. Mojgan Jahanara**

Session Co-Chair: **Dr Ankita Srivastav & Ms Usha**

<b>Expert Talk</b> 02:00 pm to 02:25 pm	Impact of Different Lubrication Percentage on Tensile properties of Cotton Sewing Thread at Different Stages of Sewing	<b>Prof. Vinay Midha</b> NIT Jalandhar
<b>Expert Talk</b> 02:25 pm to 02:50 pm	Bio-Inspired Nano-Textiles for Combating Future Challenges	<b>Prof. Rajesh Mishra</b> Czech University of Life Sciences, Prague
<b>Expert Talk</b> 02:50 pm to 03:15 pm	Mathematical Modelling and Testing in Developing of Composite Materials for Frame of Modular Platform for Autonomous Chassis of Specialized Electric Vehicles for Freight and Equipment Transportation"	<b>Prof. Michal Petru</b> Technical University of Liberec, Czech Republic
03:15 pm to 03:25 pm	Carbon Footprint Calculation For a T-Shirt with the Concept of Carbon Credits	<b>Ankur Saxena,</b> NIFT Jodhpur India
03:25 pm to 03:35 pm	Sustainable Sports Wear Design for Athletes	<b>S.Priyalatha,</b> S C T Salem Tamilnadu
03:35 pm to 03:45 pm	Sustainability of The Use of Natural Colourants: A Case Study of Western Rajasthan	<b>Janmay Singh Hada,</b> NIFT Jodhpur
03:45 pm to 03:55 pm	Colouration Study of Sustainable Alternative to Cotton	<b>S. Ratnapandian</b> IIHT Salem
03:55 pm to 04:05 pm	Challenges In The Textile Industries And Sustainable Opportunities For The Innovations	<b>Chet Ram Meena</b> NIFT Jodhpur
04: 05 pm to 04:15 pm	Screen Printing on Bamboo Fabric with Eco-friendly Natural Dyes: An Approach Toward Green Fashion	<b>Divya Ojha</b> IGNOU, New Delhi
04:15 pm to 04:25 pm	Sustainability in Indian Fashion Firms	<b>Aditi Agrawal,</b> NIFT Delhi
04:25 pm to 04:35 pm	Innovations for Sustainable Development of Textile Industry	<b>Harwinder Singh</b> NIT Jalandhar, India
<b>4:35 pm to 04:45 pm</b>	<b>Question/Answer Session</b>	

**VALEDICTORY and WIND-UP**

**4.45 pm to 5:00 pm**