

Day 1: 23 May 2024

Plenary Session		8.30 – 10:45	BUTEX Auditorium
8.30-9.00	Registration		
9.00-9.10	Opening Speech		Prof Dr Ummul Khair Fatema Dean, Faculty of Textile Chemical Engineering Organising Chair, ICTSE 2024
9.10-9.12	Inauguration of the Conference		Mohibul Hasan Chowdhury, MP Honorable Minister, Ministry of Education
9.12 –9.45	Keynote Speech	Sustainability is the future of Textile business	Prof. Dr.-Ing. Michael Rauch Institut für Materialwissenschaften Hof University of Applied Science
9.45-10.10	Q&A		
10.10-10.20	Inauguration Speech		Mohibul Hasan Chowdhury, MP Honorable Minister, Ministry of Education
10.20-10.30	Closing Speech		Prof Dr Shah Alimuzzaman Vice Chancellor BUTEX Conference Chair, ICTSE 2024

Technical Session 1		11:00 – 13:00	Teachers' Lounge, Academic building
11.00-11.20	ICTSE24 001	Bleach wash with potassium permanganate (KMNO ₄) and alternative potassium permanganate in wet wash and analysis performance in various properties of denim fabric in both cases	Md. Istiak Ashraf* , Saikat Roy, Setu Mallick, Saurabh Das, Md. Mehedi Hasan
11.20-11.40	ICTSE24 002	Comparative evaluation of commercial antimicrobial agents on cotton fabric	Maliha Mumtaz Hossain, Mahfuza Tahsin Shoily , Tanvir Mahtab, Tasnima Islam, Mohammad Abbas Uddin*
11.40 –12.00	ICTSE24 003	Assessment of various mordant and pH condition affecting cotton fabric dyeing with moringa leaves	Md. Mazharul Helal* , Lamya Zahir, Sazid Elahi, Md. Mahbubur Rahman, Md. Mutasim Uddin
12.00-12.20	ICTSE24 004	Comparative analysis of the properties of viscose fabric dyed with reactive dyes using groundwater, rainwater and seawater	Md. Abu Sayed Monshi* , Faisal S Rahaman, Md. Solaima Bari, Mst. Mahfuza Akter, Md. Abu Touab Robin, Rawnak Jahan
12.20-12.40	ICTSE24 005	Dyeing of silk fabric with natural colorants extracted from babool (acacia nilotica) bark: a green approach in protein fabric coloration	Priti Sarker* , Md. Abdullah Al Mamun, Mohammad Mamun Hossain, Mubarak Ahmad Khan
12.40-13.00	ICTSE24 006	Antimicrobial and antioxidant functionalization of cotton knitted fabrics via mushroom and neem oil treatment: a step towards sustainable textiles	Joykrishna Saha*, Most. Rifat Ara, Arnob Dhar Pranta

Technical Session 2 11:00 – 13:00**Seminar room, Administrative building**

11.00-11.20	ICTSE24 007	Machine learning based optimization of jute ply yarn process parameters and determination of relative importance of process variables	Palash Paul* , Asis Mukhopadhyay
11.20-11.40	ICTSE24 008	Automated assessment of fabric color fastness through image analysis	Tasnim Tamanna , Md. Ahsan Habib, Md. Shakil Islam, Md. Mubin Atik Soscho, Sharif Ahmed*, Mohammad Hasib Uj Jaman Khan
11.40 –12.00	ICTSE24 009	Development of an automated bale management technique using k-means cluster algorithm	Sharif Ahmed*, Ahnaf Abid , Abu Rafsun Karim, Mohammad Hasib Uj Jaman Khan
12.00-12.20	ICTSE24 010	Development of an automated image analysis method to assess the fabric pilling grade	Md. Najmul Hasan , Isratul Islam, Md Asif Iqbal, Arghya Dey, Sharif Ahmed*, Mohammad Hasib Uj Jaman Khan
12.20-12.40	ICTSE24 011	A novel approach for gsm estimation of woven fabric using yarn and fabric image analysis	Ashiqur Rahman Shuvo , Maliha Farzana, Ronobijoy Talukder Pritom, Sharif Ahmed, Mohammad Hasib Uj Jaman Khan*
12.40-13:00	ICTSE24 012	Automated thread density measurement of woven fabric by image analysis technique	Ishrat Jahan Eva , Maisha Hasan, Tahmida Ahmed Tarin, Sharif Ahmed, Mohammad Hasib Uj Jaman Khan*

Technical Session 3 14:00 – 16:00**Teachers' Lounge, Academic building**

14.00-14.20	ICTSE24 013	Graphene oxide-chitosan nanocomposites: an effective solution for methyl orange dye removal in finishing wastewaters	Md Mostoba Rafid* , Md Safat Morshed, Tonmoy Sen, Shama Abdullah Moshurur
14.20-14.40	ICTSE24 014	Sustainable approach to PBO fiber synthesis: utilizing chemical industry waste for sustainable fiber production	Mohammad Aiman Hasan , Fahmida Alam Sharif, Hirogaki Kazumasa, Abu Yousuf Mohammad Anwarul Azim*
14.40 –15.00	ICTSE24 015	Conversion and characterization of bio-diesel from tannery solid waste	Saad Ahmed, Iftehaj Rafa Rian, Hasan Ahmed, Sadman Sadik , Pranta Bhowmik, Md Ashikul Islam, Shoeb Rahman, Md Sabbir Hosen*
15.00-15.20	ICTSE24 016	Conversion of waste to wealth by reusing rinse water in knit dyeing	Arun Kanti Guha* , Hasin Raihan, Md Sabbir Hasan
15.20-15.40	ICTSE24 017	Analysis on the prospects of textile sludge utilization in energy and agriculture through hydrothermal liquefaction	Md. Refat Hossain*, Mahamud-UI Islam , Shajneen Islam, Md. Morshedul Haque
15.40-16:00	ICTSE24 018	Biological treatment of textile wastewater by using domestic wastewater as a co-substrate	Md. Bashirul Islam* , Md. Nour Hossain, Amdadul Haque, Md. Refat Hossain, Rubel Ali

Technical Session 4 14:00 – 16:00 Seminar room, Administrative building

14.00-14.20	ICTSE24 019	Phase change materials incorporated jute fabric for thermoregulating packaging applications	Md Abdus Shahid, Md. Tanvir Hossain* , Md. Ahasan Habib, Md. Mahbubay Rabbani Mim
14.20-14.40	ICTSE24 020	Ergonomic design, development and comfort assessment of a maternity vest for garment workers with support to lower abdomen and lumbosacral region.	Md Jannatul Naime, Md Imran Howlader , Aiasha Siddiqua*
14.40 –15.00	ICTSE24 021	Fabric of the future: statistical approaches to solar energy utilization in Bangladesh's textile realm	Mian Mohammad Rassel* , K. M. Tahsin Kabir, Md. Mortuza Ahmmed
15.00-15.20	ICTSE24 022	Developing high-performance nanofibrous yarn through electrospinning	Faisal S. Rahaman , M. Sarwar Jahan, Rajib Samaddar, Fairuz L. Oishorjo, Abdul Latif, Mubarak A. Khan*
15.20-15.40	ICTSE24 023	Effect of hybridization (jute-sugarcane bagasse) on mechanical properties of composites	Sharmin Akter* , Sweetey Shahinur, Tahnin Bintay Kamal
15.40-16:00	ICTSE24 024	Performance analysis for multiple generations of recycling pp in jute/PP composites	Sweetey Shahinur* , Masroor Anwer, Moslem Uddin, Sharmin Akter, Tahnin Bintay Kamal, Hasant Arefin, Md Mahfuzul Islam, Taiabur Rahman Tushar, Julfikar Haider

Technical Session 5 16:20 – 18:00 Teachers' Lounge, Academic building

16.20-16.40	ICTSE24 025	Impact of present transportation dynamics on supply chain management of apparel sector of Bangladesh	Mohammad Mahmudur Rahman Niaz*
16.40-17.00	ICTSE24 026	A comparative study of cost analysis of knit-based garments	Nusrat Tahmida Hossain*, Saifullah Mohammad Ashfak , Mohammad Rizvi
17.00 –17.20	ICTSE24 027	Enhancing plastic waste management in Alkaran ward of Chattogram city through materials flow analysis	Md. Nour Hossain* , Md. Bashirul Islam, Asiful Hoque, Saykat Das, Giridhary Deb
17.20-17.40	ICTSE24 028	Business process re-engineering of traditional textiles – a case study of aipan folk art of Uttarakhand, India	Shagun Tewari* , A. S. Rao
17.40-18:00	ICTSE24 029	Analysis of ethno-force issue in the sustainability of apparel innovation entrepreneurship southwest rural area of Nigeria	K Ola Ajila*

Technical Session 6 16:20 – 18:00 Seminar room, Administrative building

16.20-16.40	ICTSE24 030	Comparative study of UV-protective dyes from <i>terminalia arjuna</i> and <i>punica granatum</i> : mordanting techniques and sustainability in textile production	Tanvir Rayhan Rifat, Siddhartha Halder, Aisha Elahi, Syed Faez Tamzid Swad, Md. Harun-Or-Rashid, Shohag Chandra Das , Sultana Bedoura*
16.40-17.00	ICTSE24 031	Analysis of mosquito repellency of viscose and cotton modal blend fabric dyed with <i>ocimum basilicum</i> plant extract by CPB method	Nusrat Jahan* , Rifat Ara Neera, Iffat Ara, Humayra Akhter Himu, Mumtahina Zaman Sujana
17.00 –17.20	ICTSE24 032	Formulation and comparison of the performance of natural-based vs commercial softeners for textile application	Swimi Tabassum Ushno , Ashish Karmakar, Md Asadullah, Farhad Hossain Faruk, Md Tanvir Ahmed, Mohammad Abbas Uddin*
17.20-17.40	ICTSE24 033	Banana peel bio-coatings: a sustainable approach for fire retardancy	G. M. Faysal, Manindra Nath Roy, Md. Imran Hosen, Jannatur Rayan , Md. Himel Mahmud*
17.40-18:00	ICTSE 034	Different types of recycled polyester fabric dyeing with natural dye and performance analysis.	Nazmus Sakib* , Utsash kumer Sarker, Md.Sobuj Mia

18:00 -19:00 Poster Presentation

19.30 – Conference dinner (for invited guests only)

Day 2: 24 May 2024, 3 PM onward, Factory visit for foreign delegates

Please note that, depending upon the chief guest arrival, your session may start a bit earlier or later on the specified day. Please consider the traffic situation of Dhaka on your journey.