

Plenary Session		8.30 – 10:30	BUTEX Auditorium
8.30-9.00	Registration		
9.00-9.10	Welcome 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
9.45-10.00	Q&A		
10.00-10.20	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*
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
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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	Maliha Farzana, Ashiqur Rahman Shuvo , 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 , 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, Shueb 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, 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	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
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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	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 , 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	ICTSE24 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 – Closing dinner

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.