NITER



Mowshumi Roy

Textile Engineering

Bio

Myself Mowshumi Roy. I am currently working here as Lecturer, Coordinator of Apparel Manufacturing Major in Department of Textile Engineering. I am also working here as Assistant Proctor. I am connected with NITER since 2018. My alma mater is Mawlana Bhashani Science and Technology University (MBSTU) from where I have completed my B.Sc. in Textile Engineering degree majoring in Garments Manufacturing Engineering and Technology. Currently I am pursuing my M.Sc. Majoring in Apparel Engineering in Bangladesh University of Textiles (BUTex). Its known that RMG industry has been a major driver of economic growth in Bangladesh, here I am contributing to prepare technically skilled Textile Engineer specialized for the Ready made garments sector of Bangladesh.

Education

Degree Name	Group/Major Subject	Board/Institute	Country	Passing Year
M.Sc. in Textile Engineering (On going)	Textile Engineering (Apparel Engineering)	Bangladesh University of Textiles (BUTex).	Bangladesh	2023
B.Sc. in Textile Engineering	Textile Engineering (Garments Manufacturing Engineering and Technology)	Mawlana Bhashani Science and Technology University (MBSTU	Bangladesh	2012

Experience

Job Title	Organization	Location	From Date	To Date
Lecturer of Apparel Engineering and Department Coordinator	EUROPEAN UNIVERSITY OF BANGLADESH (EUB)	2/4 Gabtoli, Mirpur, Dhaka, 1216	October 12, 2014	March 31,2018

Research Activities

Research Interest

Subject	Description	Research Interest (Goal/ Target Indication)
Textile	UV protective and Anti microbial finish of cotton, Treatment of polyester fabric. Ozone fading. Natural dyeing for functional finishes.	Functional Finish of Textile
Comfort	Moisture Management Property, Thermal maximum flux, Thermal conductivity of finished textiles	Clothing Comfort
Composite	Pineapple leaf fiber reinforced LDPE composite, Agro wastage reinforced composite, composite for microplastic separation from water etc	Bio Composite

Project/Research Supervision

Level of Study	Title	Supervisor	Co-Supervisor(s)	Name of Student(s)	Area of Research	Current Completion
L4T2	Anthropometric measurement analysis to design best fit formal men's shirt: A case study on NITER students.	Mowshumi Roy	N/A	Saad Andalib Sultan Mahmud Abdullah Mamun Hossain MD. Junaid Razu Tawhid Hossain Turzo	Apparel Manufacturing	Completed
L4T2	COMFORT PROPERTY ASSESSMENT OF JUTE-COTTON BLEND DENIM TROUSERS AFTER REPETITIVE LAUNDERING	Mowshumi Roy	N/A	ROKIBUL HASAN ABDUL HAKIM MD. MAHADE HASAN SOZAN MD. SHAEEN ASHRAF PRANTIK AHANAF ILLIN RUKAIYA	Clothing comfort	Completed

Publications

Journal Article

SL. No-	Article Name	Link
1	Fabrication and analysis of physico-mechanical characteristics of NaOH treated PALF reinforced LDPE composites: Effect of gamma irradiation. H Rahman, F Yeasmin, SA Khan, MZ Hasan, M Roy, MB Uddin, RA Khan. ELSEVIER Journal of Materials Research and Technology Volume 11, March–April 2021, Pages 914-928 ISSN 2238-7854,	https://www.sciencedirect.com/science/article/pii/S2238785421000697

Contact

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Institute – Faculty
Name of the Department: Textile Engineering
Position: Lecturer