NITER

Eng. Nurunnabi

Textile Engineering

Bio

Mr. Nurunnabi is an assistant professor in the Department of Textile Engineering at National Institute of Textile Engineering and Research (NITER). With a Master in Science from Bangladesh University of Textiles, Mr. Nurunnabi brings a wealth of academic rigor and expertise to his teaching and research. His scholarly interests lie in agro-waste-based composite materials, nano-composites, and polymers.

Education

Degree Name	Group/Major Subject	Board/Institute	Country	Passing Year
MSc	Textile Engineering	BuTex	Bangladesh	2023
BSc	Textile Engineering	DUET	Bangladesh	2015
Diploma	Textile Engineering	BTEB	Bangladesh	2010
SSC	Science	Dhaka	Bangladesh	2006

Experience

Job Title	Organization	Location	From Date	To Date
Lecturer	NITER	Savar	05/06/2016	10/03/2024
Lecturer	City University	Ashulia	17/05/2015	31/05/2016

Research Activities

Research Interest

Subject	Description	Research Interest (Goal/ Target Indicator)
Composite Materials utilizing agro waste	Agro-waste-based composites are typically produced by combining the waste fibers or particles with a polymer matrix, such as epoxy or polypropylene, through various processing techniques like compression molding or extrusion. The resulting materials exhibit a combination of desirable properties, including high strength, low density, and often enhanced biodegradability.	To develop novel composite materials utilizing agro waste as reinforcement fillers, with the overarching objective of achieving enhanced mechanical properties, improved sustainability, and expanded application potential.
Nano composites from natural source	Nanocomposites derived from natural sources represent a groundbreaking approach in materials science, harnessing the unique properties of nanotechnology and renewable resources to create advanced materials with diverse applications. By integrating nanoparticles derived from natural sources into polymer matrices, these nanocomposites offer unparalleled mechanical, thermal, and biological properties while reducing reliance on synthetic materials and minimizing environmental impact.	To develop sustainable nano composites derived from natural sources, aiming to harness the unique properties of natural nanoparticles for the creation of advanced materials with enhanced mechanical, thermal, and environmental performance characteristics.

Membership

Collaboration & Membership Name	Type	Membership Year	Expire Year
IEB	Member	2023	2025
ATET	Life Member	2019	-
ESATTI	Life Member	2016	-

Publications

Sl. No.	Title of the Paper	Name of the Journal with Vol. No. pp	Year and Country of Publication	Name of Author(s)*	Types of Publication **
1.	Influence of Graphitic Carbon Nitride (g-C3N4) on Mechanical and Thermal Properties of Pineapple Leaf Fibre Reinforced Polyester Resin Composites	Textile & Leather Review Volume 7	2024 Croatia	Nurunnabi[1]	International
2.	A cost-effective approach after implementation of timing belt drive in the cotton ring-spinning frame.	Cleaner Engineering and Technology Volume 9	2022 Netherlands	Nurunnabi[2]	International
3.	Study on Comparative Analysis of Basic Woven Fabrics Produced in Air-Jet Loom and Determining Structure for Optimum Mechanical Properties & Production	Textile & Leather Review Volume 3	2020 Croatia	Nurunnabi[1]	International
4.	Efficiency Losses of a Modern Loom with Analytical Explanation	Scholars Journal of Engineering and Technology Volume 3	2018 India	Nurunnabi[1]	International
5.	Analysis of Mosquito Repellency in Different Types of Fabric and Further Application of Mosquito Repellent Finished Fabric	International Journal of Industrial Electronics, Control and Robotic Volume 8	2018 Iran	Nurunnabi[6]	International
6.	Seam Performance Evaluation of Plain Fabric Using Different Dyes in Garments Dyeing	International Journal of Textile Science Volume 6	2017 USA	Nurunnabi[1]	International

7.	Investigation of Stretch & Recovery Property of Weft Knitted Regular Rib Fabric	European Scientific Journal Volume 13	2017 Spain	Nurunnabi[3]	International
8.	Buying Behavior of Young Customers in Bangladesh - A Movement towards Investigation of Their Fashion Attributes	International Journal of Textile Science Volume 5	2016 USA	Nurunnabi[1]	International
9.	A Comparative Study between One Bath Dyeing Method for Polyester Cotton (PC) Blended Fabric Over Conventional Two Bath Method.	European Scientific Journal Volume 11	2015 Spain	Nurunnabi[3]	International
10.	Scope of Dyeing Polyester Cotton (PC) Blended Fabric in Single Bath Process for Water, Energy and Time Saving.	IOSR-JPTE Volume 2	2015 India	Nurunnabi[4]	International

Award

Award Type	Title	Year	Country	Description
National	**Deans Award**	**2015**	**Bangladesh**	
National	**University Merit Scholarship**	**2011-2015**	**Bangladesh**	

Contact

Academic
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Institute – Faculty
Name of the Department: Textile Engineering
Position: Assistant Professor