



Burhan Uddin Banna

Textile Engineering

Bio

Burhan Uddin Banna is currently working as an “Assistant Professor” in the Department of Textile Engineering at National Institute of Textile Engineering & Research (NITER), Nayarhat, Savar, Dhaka. Formerly, He had been working as a Lecturer in the same department since April 23, 2017. Before joining NITER, he was an executive in the Knit dyeing, Fabric dyeing division at NR Group, Jamirdia Master Bari, Valuka, Mymensing. In 2021, He achieved a degree of Master of Science in Textile Engineering from NITER, which is affiliated with the University of Dhaka. Additionally, in 2015, he earned also a degree of Bachelor of Science in Textile Engineering from NITER. During his undergraduate studies, wet processing engineering was his major subject. He has seven publications in some different renowned journals. His primary research interests are in natural dyeing, sustainable coloration, sustainable functionality, multifunctional dyed products, dye synthesis, environmentally friendly bioproducts, eco-friendly effluent treatment plants, etc.

Education

Degree Name	Group/Major Subject	Board/Institute	Country	Passing Year
Master of Science in Textile Engineering	Textile Engineering	University of Dhaka	Bangladesh	2021
Bachelor of Science in Textile Engineering	Wet Process Engineering	University of Dhaka	Bangladesh	2015

Experience

Job Title	Organization	Location	From Date	To Date
Asst. Professor	NITER	Nayarhat, Savar, Dhaka	27 September 2023	Present
Lecturer	NITER	Nayarhat, Savar, Dhaka	23 April 2017	26 September 2023
Executive	NR Group	Jamirdia Master Bari, Valuka, Mymensing	10 December 2016	18 April 2017

Publications

Journal Article

SL. No	Article Name	Link
1	Enhancing antibacterial properties of organic cotton fabric using mahogany wood waste	https://www.sciencedirect.com/science/article/pii/S2666016423000920
2	Utilization of post-consumer waste for sustainable denim manufacturing	https://www.sciencedirect.com/science/article/pii/S2666016423001202
3	Ultrasonic-assisted sustainable extraction and dyeing of organic cotton fabric using natural dyes from Dillenia indica leaf	https://www.cell.com/heliyon/pdf/S2405-8440(23)05910-8.pdf
4	Mosquito Repellent Finishes on Textile Fabrics (Woven & Knit) By Using Different Medicinal Natural Plants	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=VjOt-hAAAAAJ&citation_for_view=VjOt-hAAAAAJ:d1gkVwhDpl0C
5	Effectiveness Of Dyeing with Dye Extracted from Mango Leaves On Different Fabrics By Using Various Mordants	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=VjOt-hAAAAAJ&citation_for_view=VjOt-hAAAAAJ:u5HHmVD_uO8C
6	Natural Adsorbents; an eco-friendly solution for the removal of pH, TDS, DO, BOD & Color from the textile effluent	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=VjOt-hAAAAAJ&citation_for_view=VjOt-hAAAAAJ:u-x6o8ySG0sC
7	Reuse of standing dye bath of reactive dyeing with nylon & silk	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=VjOt-hAAAAAJ&citation_for_view=VjOt-hAAAAAJ:9yKSN-GCB0IC

Contact

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Institute – Faculty

Name of the Department: Textile Engineering

Position: Asst. Professor