



Department of Textile Engineering  
Khulna University of Engineering & Technology  
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**Dr. Md. Shakhawat Hossain**

Assistant Professor

**Research Area** Textile Engineering, Frontier  
Fiber Technology and Science

## Biography

Welcome to my personal webpage. I am Dr. Md. Shakhawat Hossain, currently serving as an Assistant Professor at the Department of Textile Engineering (TE) at Khulna University of Engineering and Technology (KUET). I hold a PhD in Frontier Fiber Technology and Science from the University of Fukui, Japan, completed in March 2024. I earned my Bachelor of Science in Textile Engineering from Bangladesh University of Textiles (BUTex) and am pursuing my M.Sc. from the same institution. Additionally, I completed an Master of Business Administration (MBA) from Jahangirnagar University, Bangladesh. I bring over 7 years of industrial experience in various managerial roles in a 100% export-oriented knit dyeing industry and nearly 10 years of teaching experience in undergraduate engineering education. I have supervised 21 undergraduate projects to completion. I am a member of the Institution of Textile Engineers & Technologists (ITET) and The Institution of Engineers, Bangladesh (IEB). My research interests include nanofiber synthesis, applications, heat-dissipation materials, organic-inorganic hybrid materials, nanofiber engineering, functional fiber, polymer composites, polymer processing, knitting technology, development of knit fabric structures, and knit fabric finishing, with 15 publications in international journals, 7 in international conferences, and 2 in national conferences.

## Education

### Doctor of Engineering

University of Fukui, Japan()

**Thesis Title:** [Development of high-performance heat-dissipation sheets with ceramic nanofibers](#)

### Master of Science in Textile Engineering

Bangladesh University of Textiles (BUTex), Bangladesh() Merit Position: 1st,

**Thesis Title:** [Improvement of the Physico-Mechanical Properties of Circular Weft Knitted CVC Fleece Fabrics](#)

### MBA

Jahangirnagar University, Bangladesh, Bangladesh()

### Bachelor of Science in Textile Engineering

Bangladesh University of Textiles (BUTex), Bangladesh() Merit Position: First Class,

### HSC

Govt. Sundarban Adarsha College, Khulna, Bangladesh() Group: Science, Merit Position: First Division with Star Marks,

### SSC

Model Secondary School, Khulna, Bangladesh() Group: Science, Merit Position: First Division with Star Marks,

## Service Records

- **Production Engineer**  
**Mondol Group of Industries Ltd.** From 2008-04-04 00:00:00 to 2009-03-15 00:00:00
- **Senior Executive**  
**Square Knit Fabrics Ltd.** From 2009-03-20 00:00:00 to 2010-12-01 00:00:00
- **Manager**  
**Impress Newtex Composite Textiles Ltd** From 2010-12-05 00:00:00 to 2015-04-01 00:00:00

## Research Interest

### Textile Engineering, Frontier Fiber Technology and Science

Organic-inorganic Hybrid Materials, Nanofiber Engineering, Functional Fiber, Polymer Composites, Polymer Processing, Knitting Technology, Development of Knit Fabric Structures and Knit Fabric Finishing