



Department of Leather Engineering  
Khulna University of Engineering & Technology  
Khulna - 9203, Tel:041-769471 (191); Fax :041-774403



## Biography

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### Thuhin Kumar Dey

Assistant Professor

**Research Area** Research Project (Granted by Ministry of Science and Technology, Bangladesh) Water and industrial wastewater treatment with membrane filtration, Microplastics pollution, Electro-oxidation, Graphene oxide based nanocomposite, Nanostructured-sensing materials, Phytoremediation, Desalination.

## Education

### Master of Science in Leather Engineering

Khulna University of Engineering & Technology, Bangladesh (July 2020 - June 2022)-)

**Thesis Title:** [Fabrication and Performance Analysis of Graphene-based Membrane to Assist Microplastics Separation from Leather Industry Wastewater](#)

### Bachelor of Science in Leather Engineering

Khulna University of Engineering & Technology (KUET), Bangladesh (10 Feb 2011- 25 June 2015)-) Achievement: Three Times Deans Award

### Higher Secondary School Certificate (HSC)

Chittagong University School & College, Bangladesh (2009-2010)-)

### Secondary School Certificate (SSC)

Chittagong University School & College, Bangladesh (2007-2008)-)

## Service Records

- **Assistant Professor**

**Department/Section:** Leather Engineering

**Khulna University of Engineering & Technology (KUET) From to**

Working Area: Teaching

Responsibility: Conducting assigned undergraduate courses, academic adviser to students, served dept. committees, supervised undergraduate thesis, supervised laboratories etc.

- **Executive Engineer**

**Department/Section:** Production Planning

**Apex Footwear Limited From to**

Responsibility: To ensure the updated production and material planning for smooth shipment of the products

- **Lecturer**

**Department/Section:** Leather Engineering

**Khulna University of Engineering & Technology (KUET) From to**

Responsibility: Conducted assigned undergraduate courses, academic advisor to students, served dept. committees, supervised undergraduate thesis, supervised laboratories etc.

## Research Interest

### Research Project (Granted by Ministry of Science and Technology, Bangladesh)

Associated Investigator, Project Title: Microplastics separation by electrosorption coupled with active electrode oxidation from surface water

**Water and industrial wastewater treatment with membrane filtration, Microplastics pollution, Electro-oxidation, Graphene oxide based nanocomposite, Nanostructured-sensing materials, Phytoremediation, Desalination.**

## Publication

### Books

1Farsi, S., Dey, K. D., Rahman, M. and Jamal, a. M. (2022), **Biomass-Based Supercapacitors: Design, Fabrication and Sustainability: CO<sub>2</sub>-Activated Carbon**, Wiley Online Library