



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



## Biography

kuet

### Dr. Md. Elias Uddin

Associate Professor

**Research Area** Preparation and structural investigation of graphene/ gelatin nanocomposite: It's packaging application. Leather based polymer composites for enhance the mechanical, gas barrier, thermal and electrochemical properties. Surface modification and characterization of graphene, nanomaterials and polymers. Improving the corrosion resistance by graphene/polymer composites Investigate the structure-properties and relationship in polymer nanocomposites. Graphene based polymer nanocomposites to improve the mechanical, gas barrier, thermal and electrochemical properties.

## Education

### Doctor of Philosophy in Polymer and Nano Technology

Chonbuk National University, South Korea (2011-2015)

**Thesis Title:** [Graphene based polymer nanocomposites for enhanced the mechanical and electrochemical propert](#)

### Master of Science in Applied Chemistry and Chemical Engineering

Dhaka University, Bangladesh (2007-2009)

**Thesis Title:** [Ground layer formation of leather by using resin and casein binder](#)

### Master of Engineering in Polymer and Nano Technology

Chonbuk National University, South Korea (2009-2011)

**Thesis Title:** [Effects of various surface modifications on the properties of graphene](#)

### B.Sc in Leather Products Technology

Institute of Leather Engineering and Technology, Dhaka University, Bangladesh (2000-2006)

### Higher Secondary Certificate

Government Science College, Bangladesh (1997-1999)

### Secondary School Certificate

Kuchiamora Adarsha High school, Bangladesh (1992-1997)

## Service Records

- **Research Fellow**  
**Department/Section:** Polymer and Nano Technology  
**Chonbuk National University** *From to*  
Working Area: Graphene Based Polymer Nanocomposites
- **Research Assistant**  
**Department/Section:** Polymer and Nano Technology  
**Chonbuk National University** *From to*  
Working Area: Graphene Based Polymer Nanocomposites
- **Assistant Chemist**  
**Department/Section:** Research and Development  
**Bashundhara Tissue Industries Limited** *From 2000-12-20 00:00:00 to*  
Working Area: R&D
- **Assistant Chemist**  
**Department/Section:** Research and Development  
**Al-Basitu Chemical Company** *From to*  
Working Area: R&D

## Research Interest

Preparation and structural investigation of graphene/ gelatin nanocomposite: It's packaging application.

Leather based polymer composites for enhance the mechanical, gas barrier, thermal and electrochemical properties.

Surface modification and characterization of graphene, nanomaterials and polymers.

**Improving the corrosion resistance by graphene/polymer composites**

**Investigate the structure-properties and relationship in polymer nanocomposites.**

**Graphene based polymer nanocomposites to improve the mechanical, gas barrier, thermal and electrochemical properties.**