

**Education** 

Zia Uddin Md. Chowdhury Assistant Professor Research AreaMajor interests

## **Biography**

Zia Uddin Md. Chowdhury received his M.Sc. from the Bangladesh University of Engineering and Technology (BUET) in Environmental Engineering and B.Sc. from Institute of Leather Engineering & Technology, University of Dhaka in Leather Engineering. He joined the faculty of the Khulna University of Engineering & Technology (KUET) in 2012. Prior of KUET, he was the Technical Executive at Heim Leather Chem. GmbH, Bangladesh local office (Organosys). Mr. Zia's research focuses on sustainability issues related to the life cycle assessment of manufactured products. Other research interest includes water footprint and carbon footprint quantification of manufacturing product and processes. In addition, He has an inclination to waste management.

### M.Sc. in Environmental Engineering

Bangladesh University of Engineering and Technology, Bangladesh (APRIL, 2012-2015)

Thesis Title: Carbon Footprint of Crust Leather Produced In Bangladesh

B.Sc. in Leather Engineering

Institute of Leather Engineering and Technology, Dhaka University, Bangladesh (July, 2005-2011)

**PGD** in Computer Science

 $Bangladesh\ Institute\ of\ Management\ (BIM), Bangladesh (January,\ 2012-2012) Achievement: Jointly\ First (January,\ 2012-2012) Achievement: Jo$ 

#### **Service Records**

• Internship (UG)

Bay Tanneries Ltd. From to

Responsibility:Followed up controlling factors of production and machines work, troubleshooting and examined products to identify defects

• Assistant Professor

**Department/Section:** Leather Engineering

Khulna University of Engineering & Technology From to

Responsibility:Conduct assigned undergraduate courses, academic advisor to students, supervise undergraduate thesis, supervise laboratories. In addition,  $\hat{a} \in \emptyset$  Conference Asst. Secretary, ICMIEE-2014, 16 organize by Mechanical Faculty, KUET, Bangladesh2014,2016  $\hat{a} \in \emptyset$  Playing a major role in developing labs & workshops, LE, KUET, 2013-Present  $\hat{a} \in \emptyset$  Member, Departmental Monitoring Committee, LE, KUET, 2015-Present  $\hat{a} \in \emptyset$  Member, Masters Curriculum Development Committee, LE, KUET, Nov 2016-present  $\hat{a} \in \emptyset$  Member, Undergraduate curriculum Committee, LE, KUET, 2013-Present  $\hat{a} \in \emptyset$  Course coordinator (UG), LE, KUET, July 16-July 17  $\hat{a} \in \emptyset$  Teacher-in-Charge (UG), LE, KUET, Sep 16-Feb 17  $\hat{a} \in \emptyset$  Lab involvement-computer lab, Leather & Allied materials Testing lab, Advance Analytical Testing lab, Leather Manufacturing workshop, 2015-Present

Technical Executive

Heim Leather Chem GmbH From to

Working Area: Hazaribagh, Gazipur

Responsibility:Provided technical support to the clients, developed newly finished leather

Lecturer

**Department/Section:** Leather Engineering

Kulna University of Engineering & Technolgoy From to

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

# **Research Interest**

## Major interests

Life Cycle Sustainability Assessment Carbon Footprint Analysis Water Footprint Analysis Waste management