



Zia Uddin Md. Chowdhury
Assistant Professor

Research Area Major interests

Education

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

Service Records

- **Internship (UG)**

Bay Tanneries Ltd. From 01-01-1970 to 01-01-1970

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 01-01-1970 to 01-01-1970

Responsibility: Conduct assigned undergraduate courses, academic advisor to students, supervise undergraduate thesis, supervise laboratories. In addition, Conference Asst. Secretary, ICMIEE-2014, 16 organize by Mechanical Faculty, KUET, Bangladesh 2014, 2016
Playing a major role in developing labs & workshops, LE, KUET, 2013-Present
Member, Departmental Monitoring Committee, LE, KUET, 2015-Present
Member, Masters Curriculum Development Committee, LE, KUET, Nov 2016-present
Member, Undergraduate curriculum Committee, LE, KUET, 2013-Present
Course coordinator (UG), LE, KUET, July 16-July 17
Teacher-in-Charge (UG), LE, KUET, Sep 16-Feb 17
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 01-01-1970 to 01-01-1970

Working Area: Hazaribagh, Gazipur

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

- **Lecturer**

Department/Section: Leather Engineering

Khulna University of Engineering & Technology From 01-01-1970 to 01-01-1970

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

Publication

Books

Journals

3. Chowdhury, Z. U. M., Ahmed, T. and Paul, A. P. M. A. a. H. L. (2018), " Environmental Life Cycle Assessment of Leather Processing Industry: A Case Study of Bangladesh," **Journal of the Society of Leather Technologies and Chemists**, Society of Leather Technologists and Chemists, vol102, no.1, pp.18-26
2. Chowdhury, Z. U. M., Ahmed, T. and Hashem, a. M. A. (2018), " Materials and energy flow in the life cycle of leather: a case study of Bangladesh [Accepted]," **Matériaux & Techniques**, vol170046
1. Juel, M. A. I., Chowdhury, Z. U. M. and al, e. (2016), " Heavy Metal Speciation and Toxicity Characteristics of Tannery Sludge," **AIP Conference Proceedings**, vol1754, no.1

Conference

7. Juel, M. A. I., Chowdhury, Z. U. M. and al, e. (21-23 Dec 2016), "Toxicity and Environmental Impact Assessment of Heavy Metals Contaminated Soil of Hazaribagh Tannery Area," **3rd International Conference on Advances in Civil Engineering**
6. Chowdhury, Z. U. M. and Juel, M. A. I. (21-23 Dec 2016), "Environmental Impact Assessment of Leather Process Using IMPACT 2002+ Method," **3rd International Conference on Advances in Civil Engineering**
5. Ahmed, T. and Chowdhury, Z. U. M. (May 2016), "Environmental Burden in Bangladeshi Tanneries," **36th Annual Conference of the International Association for Impact Assessment: Resilience and Sustainability**
3. Chowdhury, Z. U. M. and Juel, M. A. I. (26-29 November 2015), "Comparative evaluation of environmental impact of leather process using LCA methodology," **The 3rd International Conference on Mechanical Engineering and Renewable Energy**
2. Elahi, A. F., Chowdhury, Z. U. M. and Hoque, M. E. (26-27 December, 2014), "Characterization of Coastal Water Deposits and its Subsequent Effect on Piping Materials," **3rd International Conference on Mechanical Industrial & Energy Engineering, ICMIEE**
1. Chowdhury, Z. U. M., Elahi, A. F. and Paul, H. L. (21-23 October, 2014), "Water footprint of Bangladeshi leather: Identification of Environmental hotspot," **The 9th International Forum on Strategic Technology**