



**Md. Ariful Islam Juel**

Assistant Professor

**Research Area** Solid waste management,  
wastewater treatment, Environment friendly  
leather production, LCA

## Education

### M.Sc Engineering in Environmental Engineering

BUET, Bangladesh (April 2013-2016)

**Thesis Title:** [Stabilization of Tannery Sludge Through Brick Production](#)

### B.Sc Engineering in Leather Engineering

ILET, Dhaka University, Bangladesh (2006-) Achievement: Four year consecutive technical scholarship

### Higher Secondary School certificate

(2005) Achievement: Nasir fund scholarship

## Service Records

- **Officer**

**Department/Section:** ETP

**Apex Tannery Ltd, unit-2** From 01-01-1970 to 01-01-1970

## Research Interest

**Solid waste management, wastewater treatment, Environment friendly leather production, LCA**

## Publication

### Books

### Journals

5. Barman, B. C., Juel, M. A. I. and Hashem, M. A. (2017), "Tannery Wastewater Treatment Using Low Cost Coagulants with Simple Coagulation-Filtration Process," **Engineering International**, Asian Business Consortium, vol5, no.2, pp.75-82
4. Juel, M. A. I., Sayed, S. A. and Dey, T. K. (2017), "Assessment of Kinetic Coefficients for Chrome Tannery Wastewater Treatment by Activated Sludge System," **Iranica Journal of Energy and Environment**, vol8, no.1, pp.56-60
3. Juel, M. A. I. and Ahmed, A. a. T. (2017), "Sustainable use of tannery sludge in brick manufacturing in Bangladesh," **Waste Management**, Elsevier, vol60, pp.259-269
2. Juel, M. A. I. and Ahmed, Z. U. M. C. a. T. (2016), "Heavy Metal Speciation and Toxicity Characteristics of Tannery Sludge," **AIP Conference Proceedings**, AIP Publishing, vol1754, pp.060009-1-6

### Conference

6. Juel\*, M. A. I., Chowdhury, Z. U. M. and Alam, A. & M. S. (December 2016), "Toxicity and Environmental Impact Assessment of Heavy Metals Contaminated Soil of Hazaribagh Tannery Area," **Proceeding of the 3rd International Conference on Advances in Civil Engineering**, pp.94-99
5. \*, M. A. I. and Dey, S. A. S. a. T. K. (December 2016), "Assessment of Kinetic Coefficients for Chrome Tannery Wastewater Treatment by Activated Sludge System," **Proceeding of the 4th International Conference on Mechanical, Industrial and Energy Engineering**, pp.40
4. (December 2016), "Environmental Impact Assessment of Leather Process Using Impact 2002+ Method," **3rd International Conference on Advances in Civil Engineering**, pp.88-93
3. Barman, B. C., Juel\*, M. A. I. and Hashem, M. A. (December 2016), "Tannery Wastewater Treatment by Simple Coagulation-Filtration Process Using Low Cost Coagulants," **Proceeding of the 4th International Conference on Mechanical, Industrial and Energy Engineering**, pp.42
2. Chowdhury, Z. U. M. and Paul, M. A. I. J. a. H. L. (November 2015), "COMPARATIVE EVALUATION OF ENVIRONMENTAL IMPACT OF LEATHER PROCESS USING LCA METHODOLOGY," **Proceedings of the International Conference on Mechanical Engineering and Renewable Energy**
1. Juel, M. A. I. and Ahmed, Z. U. M. C. a. T. (December 2015), "Heavy metal speciation and toxicity characteristics of tannery sludge," **Proce. of the 11th International Conference on Mechanical Engineering**