



# Kamruzzaman Sheikh

- 🇬🇧 Nationality: Bangladeshi, Date of birth: 3 Mar 1986, Sex-Male
- ☎ Phone number: (+880) 1555668899
- ✉ Email address: kamruzzaman@execs.com
- 📍 Home: House #81, Road #2, Block-B, Ward-1, Area – Durbati, Kaliganj Municipality, Kaliganj, Gazipur 1720, Bangladesh.
- 🌐 <https://www.linkedin.com/in/kamruzzaman1/>
- 📞 WhatsApp: +8801555668899

Sustainability professional with 8+ years of experience in the textile and RMG industry. Specializing in environmental management and industrial ecology, with expertise in Material Flow Analysis (MFA) and Life Cycle Assessment (LCA) to optimize resource efficiency, minimize environmental impacts, and promote circular solutions. Proficient in ensuring compliance with global standards such as ISO 14001, GRI, and ZDHC. Experienced in leading sustainability initiatives (Higg FEM, BEPI, Step by Oekotex, EcoVadis). Skilled in GHG emissions accounting, inventory management, chemical and waste management programs, wastewater treatment, and environmental audits. Adept at delivering sustainability training and designing strategies that align corporate objectives with sustainability goals, promoting environmental stewardship.

## Education

- **Master of Science in Environmental Science and Management, 2022-2024**  
North South University, Dhaka, Bangladesh  
Website: <https://www.northsouth.edu/>  
CGPA 3.41 out of 4, EQF level 7  
Research content: 6 credits out of 36 (17%)
- **Post Graduate Diploma in Human Resource Management, 2018**  
Bangladesh Institute of Management, Dhaka, Bangladesh  
Website: <https://bim.gov.bd/>  
CGPA 3.54 out of 4, EQF level 7
- **Master of Science in Botany, 2009-2010**  
National University, Gazipur, Bangladesh  
Website: <https://www.nu.ac.bd/>  
First Class (69% Marks), EQF level 7
- **Bachelor of Science in Botany, 2005-2009**  
National University, Gazipur, Bangladesh  
Website: <https://www.nu.ac.bd/>  
Second Class (57% Marks), EQF level 6
- **Higher Secondary Certificate, Science Group, 2005**  
Kaliganj Sramik College, Gazipur, Bangladesh  
EQF level 3
- **Secondary School Certificate, Science Group, 2002**  
Khikara High School, Gazipur, Bangladesh  
EQF level 2

## Research interest

- Industrial Ecology
- Material Flow Analysis
- Circular Economy
- Industrial Symbiosis
- Life Cycle Assessment
- Ecosystem Services
- Molecular Cytogenetics

## Research Experience

**Graduate Researcher under the supervision of Dr. Mohammad Sujauddin,**  
**Associate Professor and Chair, ESM, NSU | Duration:** 2022–Present

**Master's Thesis:** *“Status Quo of Circularity in Bangladesh's Textile Industry through the Paradigm of Economy-Wide Material Flow Analysis of Textile Fibers”*

My research applies Economy-Wide Material Flow Analysis (EW-MFA) to assess textile material flows and circularity in Bangladesh's textile industry. I develop a national textile material flow model to quantify textile fiber flows, stocks, and waste, identifying critical points of material loss. This work establishes a baseline for circular economy strategies and strengthens my skills in quantitative analysis, systems thinking, and sustainable development.

## Article Publications

Hamza, M. M., Biswas, M. K., Noor, K. M. A., **Sheikh, K.**, Chowdhury, R. B., Hossain, M. M., & Sujauddin, M. (2025). **A modular framework for modeling anthropogenic and environmental trade-offs in sustainable textile material choices.** *Modeling Earth Systems and Environment*. <https://doi.org/10.1007/s40808-025-02632-4>

## Employment experience

**Environmental Management Representative (EMR), 2022- Present**  
**Liz Fashion Industry Limited, Gazipur.**

### Duties/Responsibilities

- **Environmental Compliance:** Ensure adherence to buyer requirements in EMS, energy, water, waste, air emissions, GHG, chemical, and ETP management. Maintain ISO 14001 compliance for environmental systems
- **Program Implementation:** Facilitate environmental programs like Higg FEM 4.0, SBTi, BEPI, Detox, Resource Advisor, RTIS, Project Gigaton, Energy Efficiency Program (EEP), EcoVadis, and Step by Oeko-Tex to promote sustainability.
- **Monitoring ETP Plant:** Oversee the biological ETP plant process to ensure effective wastewater treatment.
- **Monitoring and Evaluation:** Monitor and evaluate environmental parameters against DOE, ZDHC, and ECR-2023, Air Pollution Control Rules-2022 standards to ensure compliance and identify improvement areas.
- **Audits and Inspections:** Coordinate environmental audits with brands like Decathlon, Inditex and facilitate environmental audits, including BSCI, Sedex, Better Work, WRAP, ISO 9001, ISO 14001, GOTS, OCS, and GRS certifications

- **Documentation Management:** Develop policies, maintain ISO 14001 and prepare reports on energy, GHG, water, and waste.
- **Chemical Management:** Oversee chemical management programs (BHive, Cleanchain, ZDHC, GOTS, Oeko-Tex) and ensure safe storage, labeling, usage, and compliance with inventory, purchasing policies, RSL, and MRSL standards
- **Training and Awareness:** Conduct training for staff and management on, waste reduction, chemical purchasing policies, RSL & MRSL, chemical handling, etc.
- **Resource Consumption and Reduction:** Monitor energy consumption, GHG and air emissions; track water usage and set reduction goals; and promote waste reduction and recycling opportunities.
- **Waste Management:** Ensure proper segregation of hazardous wastes and compliance with waste management regulations.
- **Sustainability Projects:** Implement initiatives for LEED certification, SBTi alignment, and GRI-standard sustainability reporting.
- **Quarterly Progress Meetings:** Organize quarterly meetings to review EMS implementation, present updates on initiatives and compliance, and collaborate on improvement action plans.

**Sr. Executive-EMS & CMS (Compliance & Sustainability), 2018- 2021**  
**Liz Fashion Industry Limited, Gazipur.**

**Executive-HR, Admin & Compliance (2015 – 2017)**

**Lida Textile & Dyeing Limited, Gazipur.**

**Duties/Responsibilities**

- Maintaining personnel files, Attendance, leave and disciplinary issues of the employees
- Maintaining employee database, following up confirmation, transfer, promotion, resignation and updating as and when required
- Writing up job description and ensuring performance appraisal.
- Arranging, conducting & processing employees' recruitment & selection.
- Analyzing the turnover and absenteeism of worker.
- Ensuring timely sending of absent worker letter.
- Ensuring biometric registration of new joined employees in BGMEA database software.
- Arranging orientation program for new joined employees and following up their development.
- Preparing, organizing of factory for audits and visits as per buyer's requirements.
- Providing various HR and compliance training like Compensating, termination, COC, PPE, to concerns & the workforces.

## **Skills and expertise**

### **Research based skills**

- Arc GIS 10.3
- Google Earth Engine (GEE)
- E-Sankey
- Sankey MATIC
- STAN (2.7.101)
- Python and R
- Zotero

### **Computer skills**

- MS Word
- MS Excel
- MS PowerPoint
- G-suite applications

### **Professional expertise**

- Expertise in accounting for Scope 1, Scope 2, and Scope 3 emissions and preparing GHG inventories in alignment with the GHG Protocol
- Proficient in chemical management as per GHS, GIZ, ZDHC, Step by Oeko-Tex, and GOTS standards; skilled in tools like BHive and CleanChain.
- Skilled in maintaining ISO 14001 and ensuring compliance with EMS, DOE, ZDHC, ECR-2023, and other environmental standards.
- Proficient in implementing initiatives such as Higg FEM, BEPI, Detox, LEED certification, and SBTi-aligned projects.
- Experienced in managing biological ETP processes for effective wastewater treatment.
- Skilled in preparing sustainability reports following GRI standards

### **Certifications and Training**

GRI Certified Training (Reporting with GRI Standards; Reporting on Human Rights with GRI standards; Integrating SDGs into Sustainability) | ZDHC Wastewater Treatment System Operator Qualification | Climate Action Training for Fashion Industry (GIZ) | ZDHC Chemical Management | REMC-Chemical Management Training (GIZ) | Principles of Chemical Management in Textile & Garments Industry (GIZ) | amfori BEPI & Environmental Management Systems (amfori) | Sustainable Chemical Management (ERI) | Thermal Energy & Electrical Energy Efficiency (ERI) | Standard 100 by Oeko-Tex (Hohenstein) | Safety Management System (BRAC) | ISO 9001 Quality Management (SCITI, BSCIC) | amfori BSCI Remediation Plan Drafting | Teachers' Registration (Botany, NTRCA, 66.5%) | Higher Diploma in Computer Science Radio/TV Repairing (BSCIC) | DAI-DANIDA Plant Conservation Programme, Phase-2 (DAE) | Rover Moot Participation (Rover Scout) | Sports Program Certificate (Govt. of Bangladesh) | Graphics Design Diploma (IT Vision Society, Dhaka) | Basic Ansar Training (Bangladesh Ansar and VDP) | edX IELTS Preparation (University of Queensland) | HR Recruitment & Selection (Open University, UK) | Fire Training (Bangladesh Fire Service).

### **Linguistic**

- Medium of instruction (MOI) during Post Graduate Diploma and graduate (Master's degree).
- English Proficiency in written and verbal forms of Bengali and English, and able to maintain good communication network.

### **Personality**

- Self-motivated and able to motivate others, Integrity, focused and dedicated, Hardworking, Enthusiastic and Optimistic.

## Reference (s)

### **Mohammad Sujauddin, PhD**

Associate Professor & Chair

Department of Environmental Science and Management

North South University, Dhaka, Bangladesh

Phone: +8801731361716

Email: [mohammad.sujauddin@northsouth.edu](mailto:mohammad.sujauddin@northsouth.edu)

### **ATM Nurul Amin, PhD**

Emeritus Professor

Department of Development and Sustainability

Asian Institute of Technology, Thailand

Phone: +880 1730-438304

Email: [aminatmn@gmail.com](mailto:aminatmn@gmail.com)

### **Rabeya Begum, PhD**

Teacher in Biology, Chemistry and Biotechnology

Klara Teoretiska Sollentuna Gymnasium, Sweden

Phone: +46 70 431 61 42

Email; [rabeya.begum@klaragymnasium.se](mailto:rabeya.begum@klaragymnasium.se)

### **Mohammad Kamal Hossain**

Chief Human Resources Officer

DBL Group

Former Head of Group HRM

Liz Fashion Industry Limited

Shafipur, Kaliakoir, Gazipur

Dhaka-1207, Bangladesh

Phone: -01777704555