

TAHMINA SULTANA

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Objective:

Seeking a challenging position to utilize my skills and abilities in area of Teaching and Education that offers a professional growth while being resourceful, innovative and flexible.

Education

Degree	Name of the Institution/ University	Completion
M. Eng. (Advanced and Sustainable Environmental Engineering) (Dual Degree)	Kasetsart University (KU), Bangkok, Thailand	May 2017
	Tokyo Institute of Technology (TITECH), Tokyo, Japan	May 2017
B. Sc Civil Engineering	Ahsanullah University of Science and Technology (AUST), Dhaka, Bangladesh	December 2014

Job Experience

1. Designation: **Lecturer**

Organization : Independent University, Bangladesh

Duration : January 2018 – present

2. Designation: **Assistant Researcher**

Organization : Center of Excellence for Jatropha, Kasetsart University (KU), Bangkok.

Duration : May 2017 – November 2017

3. Designation: **Research Assistant**

Organization : National Metal and Materials Technology Center (MTEC), NSTDA, Thailand

Duration : April 2016 - March 2017

4. Designation: **Jr. Engineer**

Organization : Shahidullah Associates, Dhaka, Bangladesh

Duration : February 2015 - August 2015

Research Expertise

- Material characterization
- Microscopic observation
- Nitrogen compound removal from waste water
- Filter media preparation from biomass
- Construct lab scale water treatment system
- Bacterial community observation

- Biodiesel production from oil by using chemical interestification process
- Analysis of fame by Gas Chromatography, NMR.

Computer Skills

- MS Power Point, MS Excel etc.
- Auto CAD, ETABS
- Life Cycle Assessment Software

Foreign Training

Title: International Program on Resilient Society Development under Climate Changing Climate (RSDC)

Organizer: Kyoto University, Kyoto, Japan.

Master's Thesis

“Possibility of Using Porous Media Derived from Wastes for Fishery Water Treatment”

Supervisor: 1. Assoc. Prof. Penjit Srinophakun (Kasetsart University (KU), Thailand)
 2. Dr. Pakamard Saewong (National Metal and Materials Technology Center (MTEC), National Science and Technology Development Agency (NSTDA))
 3. Assoc. Prof. Chihiro Yoshimura (Tokyo Institute of Technology, Japan)

Undergraduate Thesis:

“Soil Reinforcement with Jute fiber”

Supervisor: Dr. Waliur Rahman (Executive Engineer, RHD, Bangladesh.)
 Faculty Member of "Caledonian College of Engineering". Muscat, Oman

Conference & Journal Paper

1. **Sultana, T., Srinophakun, P., Sanewirush, U., Saewong, P. (2017)**, Comparison of Biological Wastewater Treatment Ability of Filter Media Made from Biomass Ash. International Journal of Advances in Chemical Engineering & Biological Sciences (IJACEBS) Vol. 4, Issue 1 (2017) ISSN 2349-1507 EISSN 2349-1515 [Conference presentation & Publication]. (From Master's research)
2. **Sultana, T., Islam, M.B., Rahman, M.W. (2017)**, Improvement of compressive strength of soil by using jute fiber waste. Key Engineering Materials, Vol. 751, pp. 785-789 [Publication]. (From Bachelor research)
3. **Sultana, T., Sanewirush, U., Saewong, P. (2016)**, A feasibility Study of using Biofilter Media made from Biomass Ash for Nitrogen Compound Removal in Aquaculture. 9th International Conference on Materials Science and Technology (MSAT-9), Bangkok, Thailand. [Presentation]. (From Master's research)

Scholarships

- JASSO Scholarship, Japan.
- Thailand Advanced Institute of Science and Technology (TAIST)- Tokyo Tech Tuition scholarship
- Kasetsart University (KU) living allowance scholarship
- Merit based tuition fee waiver of Ahsanullah University of Science and Technology (AUST)

Language

- English- Medium of Instruction (Bachelor + Master's study program)
- Bengali- Mother Tongue
- Hindi- Well

Professional Affiliation and Volunteerism

- Member of Institutions of Engineers, Bangladesh (IEB)

References

Dr. Penjit Srinophakun Associate Professor, Faculty of Chemical Engineering, Kasetsart University, Thailand. Email: fengpjs@ku.ac.th	Dr. Pakamard Saewong Senior Researcher of Material for Environment Lab, National Metal and Materials Technology Center (MTEC), NSTDA, Thailand. Email: pakamas@mtec.or.th
Dr. Abdullah Al-Muyeed Technical Adviser - WASH,WaterAid Bangladesh, Email: abduhal-muyeed@wateraid.org Mobile: +880173 009 5588 (Former Associate Professor, Ahsanullah University of Science and Technology)	Dr. Md. Mahmudur Rahman Professor,Department of civil Engineering Ahsanullah University of Science and technology, Email: mahmud402@yahoo.com