

# RESUME OF TANIA SULTANA



## PERSONAL DETAILS

Name: Tania Sultana

Present Professional position: Assistant Professor

Present working address: Department of Agroforestry & Environmental Science,  
Sher-e-Bangla Agricultural University,  
Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh.

Date of Birth: 21 November, 1987

Nationality: Bangladeshi

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## KEY QUALITIES:

University Faculty Member and Researcher with 5.3 years of teaching and research experience in the fields of Agricultural and Environmental Science. More than 13 research publications in National and International Scientific Journals. Experience of conduction different research project funded by National donors. Member of many professional societies.

## EDUCATIONAL QUALIFICATIONS:

**2013, Graduation:** Master of Science in Agricultural Botany at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

**Results:** A; CGPA 3.90 in a scale of 4.0 (1<sup>st</sup> merit position)

**Course Studied:** Plant Morphological and Anatomy, Plant water relation and nutrition, Plant Metabolism, Biodiversity and conservation, Economic botany, Plant anatomy, Plant growth and development physiology, Plant ecology, Advanced Agroclimatology, Stress physiology

**Thesis Title: "Effect of Submergence at Vegetative Phase on Morphological Attributes and Yield of Some Rice Varieties"**

**2009, Undergraduate:** Bachelor of Science in Agriculture (Hon's) from Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

**Results:** A; CGPA 3.89 in a scale of 4.0 (4<sup>th</sup> Merit Position)

**Course Studied:** Agro forestry and Environmental Science, Horticulture, Entomology, Agricultural Botany, Soil Science, Agricultural Extension and Information System, Agricultural Chemistry, Biochemistry, Agronomy, Biotechnology, Genetics and Plant Breeding, Agricultural Economics, Animal Husbandry, Plant Pathology, Rural Sociology, Farm Mechanics, Agricultural Statistics and Sustainable Agriculture, English Language.

**2005, Higher Secondary:** H.S.C. (Science group) under the Board of Intermediate and Secondary Education, Jessore, Bangladesh.

**Results:** A; CGPA 4.20 in a scale of 5.0

**Course Studied:** Bengali, English, Physics, Chemistry, Mathematics and Biology.

**2003, Secondary:** S.S.C. (Science group) under the Board of Intermediate and Secondary Education, Jessore, Bangladesh.

**Results:** A; CGPA 4.31 in a scale of 5.0

**Course Studied:** Bengali, English, Physics, Chemistry, Mathematics, Biology, Social Science, Religion and Higher Mathematics.

**PROFESSIONAL EXPERIENCES:**

**Lecturer:** Department of Agroforestry and Environmental Science, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh. (May, 2013 to 25 May 2015).

**Assistant Professor:** Department of Agroforestry and Environmental Science, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh. (Since May 2015 to till date).

## RESEARCH EXPERIENCE

1. **Research Assistant:** 'Role of rooftop gardening on climate change adaptation in Bangladesh' research project.
2. **Research Assistant:** 'Agroforestry system for climate change mitigation and improve livelihood security in Bd' research project.
3. **Principal Researcher:** 'Impact of sea level risen on soil properties at Chandpur district in Bangladesh' research project.
4. **Principal Researcher:** 'Effect of Submergence at Vegetative Stage on Morphological Attributes and Yield of Rice varieties.' research project.
5. **Principal Researcher:** 'Impact of Alley Cropping on Rice Productivity and Soil Fertility' research project.
6. **Research Assistant:** 'Growth and Yield of Tuberose (*Polyanthes tuberosa* L.) as influenced by Nutrient Management' research project.
7. **Research Assistant:** 'Assesment of Different Soil Amendment Effects on Tuberose Bulb Quality and Quantity.' research project.
8. **Principal Researcher:** 'Performance Evaluation of Two Rice Varieties Under Different Level of NaCl Salinity Stress' research project.
9. **Research Assistant:** 'Postharvest Soil Fertility Status of Rice (Hybrid dhan Hira 2) as Influenced by vermicompost, Pressmud and Urea' research project.
10. **Research Assistant:** 'Diversity of Avifauna in Sher-e-Bangla Agricultural University Campus' research Project.
11. **Research Assistant:** 'A Comparative Study on Growth and Yield of Some Hybrid Rice Varieties in Dry Season' research Project.

12. **Principal Researcher:** ‘Effect of water logging Stress at Seedling Stage on Morphological and Yield Attributes of Rice Varieties’ Research Project.

## **MAJOR GRANTS/AWARDS**

- ✕ National Science and technology fellowship provided by ministry of science & technology, Bangladesh (2014-15).
- ✕ Research and development (R&D) award provided by ministry of science & technology, Bangladesh (2015-2016) & (2017-2018).
- ✕ Special research allocation provided by ministry of science & technology, Bangladesh (2017-2018).
- ✕ Sher-e-Bangla Agricultural University Research Grant (2017-2018).

## **STUDENT SUPERVISION**

Mahmud Hasan (MS): (current) Impact of tree Pruning Materials Application on Rice Productivity and Soil Fertility (principal supervisor).

Dipti Rani (MS): Impact of manure on antibiotic resistance in crop field (current) (co-supervisor)

Tadrisul Islam (MS): Impact of Biochar on Improved Soil Water Management as a Climate Change Adaptation Measure (principal supervisor).

Shafiqul Islam (MS): Effect of Biochar, Biochar-compost and compost on soil fertility and yield of vegetables’ Research Project (on going) (principal supervisor).

Anisa Sultana (MS): Role of rooftop gardening on climate change adaptation in Bangladesh’ Research Project (on going) (co-supervisor).

## **RESEARCH INTEREST**

- ✕ Farming System
- ✕ Organic carbon
- ✕ Nutrient Management
- ✕ Land management

## PROFESSIONAL SOCIETIES

- ✕ Member of the Bangladesh Society of Environment
- ✕ Member of the Agriculturist Association of Bangladesh
- ✕ Sher-e-Bangla Agricultural University Alumni Association
- ✕ Member of Krishibid Institution of Bangladesh (KIB).

## PUBLICATIONS:

- T. Sultana**, K. U. Ahamed, N. Naher, A. Halim, Z. F. B. Habib. 2018. Yield and yield contributing character of rice influenced by complete Submergence. Merit Research Journal of Agricultural Science and Soil Sciences. ISSN: 2350-2274) Vol. **6(2)** (**accepted**).
- M. S. N. Chowdhury, K.. U. Ahamed, **T. Sultana** and R. Islam. 2018. Effect of Foliar Application of Liquid Nutrient Solution on Morpho-physiology, Quality and Yield Performance of Chilli (*Capsicum frutescens*) Germplasm. Journal of Experimental Agriculture International. **24(5)**: 1-10. DOI: 10.9734/JEAI/2018/42318.
- A. Halim, N. Naher, **T. Sultana**, Z. F. B. Habib and M. D. M. 2018. Study On Solid Waste Management Practices at Sher-E-Bangla Agricultural University Campus. Int. J. Sustain. Agril. Tech. **14(3)**: 09-13.
- T. Sultana**, K.U. Ahamed, N. Naher<sup>1</sup>, M.S. Islam and M. S. Jaman . 2018. Growth and Yield Response of Some Rice Genotype under Different Duration of Complete Submergence. *Journal of Agriculture and Ecology Research International*. **15(1)**: 1-11. DOI: 10.9734/JAERI/2018/41754
- T. Sultana**, K.U. Ahamed, N. Naher<sup>1</sup>, M.S. Islam and M. S. Jaman . 2018. Effect of Waterlogging Stress at Seedling Stage on Morphological and Yield Attributes of Rice Varieties. International Journal of Agricultural and Environmental Science. **4(1)**: 9-16.
- M.R. Islam, **T. Sultana**, M.A. Haque, M.I. Hossain<sup>4</sup> , N. Sabrin and R. Islam. 2018. Growth and Yield of Chilli Influenced By Nitrogen And Phosphorus. *Journal of Agriculture and Veterinary Science*. **11(5)**. 54-68. DOI: 10.9790/2380-1105025468
- M.S.N. Chowdhury, S. Sarkar, A.F.M. J. Uddin, **T. Sultana**, M.Z.K. Roni, R. Islam. 2017. Morpho-physiology, yield and quality assessment on five local landrace Chilli Germplasms. Asian Journal of Agriculture and rural development. **7(11)**. 233-243. DOI: 10.18488/journal.1005/2017.7.11/1005.11.233.343
- Z.F.B. Habib, M.I. Hossain, H.E.M.K. Mazed, **T. Sultana** and M. Yeasmin. 2016. Assesment of Different Soil Amendment Effects on Tuberose Bulb Quality and Quantity. *International Organization of Scientific Research (Journal of Agriculture and Veterinary Science0)*. **9(8)**. Ver.II . 16-19. DOI: 10.9790/2380-0908021619.
- Z.F.B. Habib, M.S. Hossain, H.E.M.K. Mazed, **T. Sultana** and A. Halim.2016. Growth and Yield of Tuberose (*Polyanthes tuberosa* L.) as influenced by Nutrient Management. *European Academic Research*. **3(12)**.
- M.S. Sultana, H.M. Rahman, M.S. Rahman, **T. sultana** and A.K. Paul. 2016. Postharvest Soil Fertility Status of Rice (Hybrid dhan Hira 2) as Influenced by vermicompost, Pressmud and Urea. *International Journal of Scientific and Research Publication*. **6(1)**. 335-340.

**T. Sultana.**, R. Islam, M.S.N. Chowdhury, M.S. Islam, M.E. Hossain and M.M. Islam. 2014. Performance Evaluation of Two Rice Varieties Under Different Level of NaCl Salinity Stress. *Bangladesh Research Publication Journal*. **10**(2): 186-195.

S.C. Shovon, M.S. Islam, J.A. Mahmud, M.S.N. Chowdhury, M.N. Alam, **T. Sultana**, and M.M. Islam. 2014. Diversity of Avifauna in Sher-e-Bangla Agricultural University Campus. *International Journal of Business Social and Science Research*. **2**(1): 58-63.

M.M. Islam, F. Majumder, **T. Sultana**, M.S. Islam, R. Nizam. 2014. Growth and Yield Potential of Broccoli in response to Organic Manures and Mulching. *International Journal of Business Social and Science Research*. **2**(1): 68-73.

M. T. Hosain, K. Parvin, **T. Sultana**, M.A. Hoque and H. Siddika. 2013. A Comparative Study on Growth and Yield of Some Hybrid Rice Varieties in Dry Season. *Journal of Sher-e-Bangla Agricultural University*. **7**(1): 43-48.

#### **PERICIPATION IN CONFERENCE, TRAINING AND WORKSHOP:**

Training programme on "**Curriculum Development and Teaching-Learning Assessment**" at Sher-e-Bangla Agricultural University, Dhaka, December 17-21, 2017.

Training programme on "**Forestry Technologies for Professionals**" at BARC Conference Room, Farmgate, Dhaka, April 21-23, 2015.

Training on "**Mushroom Cultivation**" at National Centre for Mushroom Development and Extension under the Department of Agricultural Extension, Shobhanbagh, Savar, Dhaka. 2016

#### **LANGUAGE PROFICIENCY:**

I have completed four years B. Sc. Ag. (Hons.) and two years and six months MS in Agricultural Botany from the university where English is an official language and the study have been instructed and examined in English. Now, I am Assistant Professor in Sher-e-Bangla Agricultural University in which the medium of instruction is English. Again, IELTS score: 5.5.

#### **COMPUTER AND ITS SKILLS:**

Operating System : DOS, Windows 2000/XP/Vista/ Windows 7/Windows 8/Windows 8.1/Windows10, Linux.

Application Packages : Microsoft Office Productivity Suite (MS Word, MS Excel, MS Access, MS Power Point)

Statistical Analysis Software : MSTATC, SPSS.

Internet Essentials : Internet Explorer, Opera, Google Chrome, Mozilla Firefox

Typing Skill : Reasonable typing speed  
Hardware Skill : Able to diagnosis and troubleshoot common hardware abnormalities

## REFERENCES:

**1. Professor Dr. Ferzana islam**

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**2. Professor Dr. Nazmun Naher**

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