

## Resume of Dr. Md. Shahidul Islam

### PERSONAL INFORMATION:

Name : **DR. MD. SHAHIDUL ISLAM**  
Father's Name : Late Abu Miah  
Mother's Name : Late Rabeya Khatun  
Date of Birth : 30 November 1968  
Place of Birth : Brahmanbaria  
Sex : Male  
Marital status : Married  
Nationality : Bangladeshi by birth  
Present position : Professor (Grade- 1), Department of Agronomy, Sher-e- Bangla Agricultural University, Dhaka

### ADDRESSES:

**Permanent Address:** Village: Chapuir, P.O.: Bhatshala, P.S.: Brahmanbaria, District: Brahmanbaria

**Mailing Address:** Professor, Department of Agronomy, Sher-e-Bangla Agricultural University Dhaka- 1207, Bangladesh.  
Mobile No.: +88- 01715348011  
E-mail : [msislamsau@yahoo.com](mailto:msislamsau@yahoo.com) or [pmsislam@sau.edu.bd](mailto:pmsislam@sau.edu.bd)

### EDUCATIONAL QUALIFICATIONS:

Name of Examination	Name of the Institution	Board/ University	Year of passing	Division/ Class obtained	Courses studied
SSC	Chinair Anjuman Ara High School, Brahmanbaria	Comilla Board	1984	First division	Beng., Eng., G. Math., E. Math., Physics, Chem., Biol., Religion
HSC	Brahmanbaria Govt. College	Comilla Board	1986	First division	Beng., Eng., E. Math., Physics, Chem., Biol.
B. Sc. Ag. (Hons.)	Bangladesh Agricultural University (BAU), Mymensingh	BAU	1990 (held in 1994)	First class	Agronomy, Soil Science, Plant Pathology, Horticulture, Entomology, Crop Botany, Agril. Extension, Farm Mechanics, Agril. Chemistry, Physical and Analytical Chemistry, Biochemistry, Organic Chemistry, Animal Husbandry, Agril. Economics, Rural Sociology, Agril. Statistics.
M. S. in Agronomy	Bangladesh Agricultural University (BAU), Mymensingh	BAU	1995	First class	Advanced Crop Husbandry, Crop Yield Processes, Water Management, Agronomic Research Methodology, Seed Technology, Weed Management, Fertilizer Management, Stress Agronomy, Fodder Production and Pasture Management.
Ph. D. in Agronomy	Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU)	BSMRAU	2008	Awarded	Principles of Irrigation, Weed Science, Crop Ecology, Stress Physiology, Crop Physiology, Principles of Crop Production, Seed Science, Laboratory Methods in Agronomy, Design of Experiment, Plant Biochemistry, Soil Plant Analysis, Plant physiology- I, Soil Management and Crop Production, Soil Fertility, Plant growth Regulators, Physiological Ecology, Rainfed Agronomy, Reading & Conference, Seminars (2)

**TITLE OF M. S. THESIS:**

**‘Effect of variety and fertilization on yield and nutrient uptake in transplant aman rice’**

**TITLE OF Ph. D. DISSERTATION:**

**‘Water stress in mungbean [*Vigna radiata* (L.) Wilczek] and its responses to application of plant growth regulators’**

**NUMBER OF RESEARCH PUBLICATIONS: 39 (List enclosed herewith)**

**EXPERIENCES:**

**Academic & Professional Experiences**

- (i)** Serving as a **Professor** in the Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh, since **May 24, 2011 to till date.**
- (ii)** Served as an **Associate Professor** in the Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh, since **May 24, 2007 to May 23, 2011.**
- (iii)** Served as an **Assistant Professor** in the Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh, since **September 11, 2001 to May 23, 2007.**
- (iv)** Worked as a **Lecturer** in the Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh, since **May 11, 1996 to September 10, 2001.**
- (v)** Served as an **Assistant Specialist** at National Academy for Primary Education (NAPE), Mymensingh, since **7 January 1996 to 10 May 1996.**
- (vi) Workshop- cum- Training:** Participated in the Workshop on ‘**Use of Thana Land and Soil Resource Utilization Guide**’ at Graduate Training Institute in Bangladesh Agricultural University, Mymensingh during 29 June 1997 to 2 July 1997.
- (vii) Induction Training:** Satisfactorily completed the training course on ‘**Induction Training**’ held at Bangladesh Agricultural University, Joydebpur, Gazipur, from 3 May to 30 June 1998.
- viii) Workshop- cum – Training:** Successfully completed the training on ‘**Seed Quality Control**’ held at Seed Testing Laboratory and Training Center, Beej Bhaban, BADC, Gabtoli, Mirpur, Dhaka from 14- 16 May, 2012.
- ix)** Successfully completed the training course on ‘**Teaching- Learning, Curriculum & Quality Assurance for University Teachers**’ conducted by the Graduate Training Institute, Bangladesh Agricultural University with the support from HEQEP, University Grants Commission of Bangladesh during 17 to 22 September, 2014.
- xi)** Successfully completed the ‘**Training on Research Methodology**’ conducted by the Department of Agronomy, Sher-e- Bangla Agricultural University with the support from HEQEP, UGC Sub- project # 3642 during 6- 8 October, 2015.
- xii)** Successfully completed the ‘**Training on Scientific Paper Writing**’ conducted by the Department of Agronomy, Sher-e- Bangla Agricultural University with the support from HEQEP, UGC Sub- project # 3642 during 20- 23 December, 2015.
- xiii)** Successfully completed the ‘**Training on Data Analysis**’ conducted by the Department of Agronomy, Sher-e- Bangla Agricultural University with the support from HEQEP, UGC Sub- project # 3642 during 28- 30 December, 2015.

**xiii) Supervision of MS Theses/ PhD Dissertation:**

MS/ PhD	Completed	Submitted	On- going
MS thesis	54	0	12
PhD dissertation	01	0	0

**(xiv) Co- supervision of MS Theses/ PhD Dissertation:**

MS/ PhD	Completed	Submitted	On- going
MS thesis	64	02	09
PhD dissertation	02	0	03

**(xv) Projects:**

Sl. no.	Title	Source of fund	Year	Status
1.	Arsenic contamination in lentil: Its effects and remedy	Ministry of Science and Technology	2015- 2016	Completed
2.	Mitigation of arsenic stress in lentil through cowdung	Sher-e- Bangla Agricultural University Research System (SAURES)	2018- 2019	Completed
3.	Pre-storage Treatment of Rice Seed: A Technique of Increasing Rice Productivity Through Maintaining Quality and Reducing Storage Cost of Rice Seed	Sher-e- Bangla Agricultural University Research System (SAURES)	2019- 2020	Completed
4.	Optimizing Rate and Application Time of Pre- storage Seed Treating Chemicals against Seeds of a Rapidly Deteriorating Rice Variety under Storage Condition	Sher-e- Bangla Agricultural University Research System (SAURES)	2021- 2022	Completed
5.	Mitigation of Arsenic Stress in Mustard by Potassium and Phosphorous	iSher-e- Bangla Agricultural University Research System (SAURES)	2022- 2023	Completed

**xvi) Published research articles: 39 (List Enclosed)****Administrative Experiences**

- i) Served as a Provost, Aparajita 24 Hall (Ex Sheikh Sayera Khatun Hall), Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh since 14 September, 2021 to 11 September, 2024.**
- ii) Acted as a Chairman of the Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh since 01 January, 2018 to 24 December, 2020.**
- iii) Acted as a Transport Coordinator (Additional Duty), Transport Pool, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh since 04 May, 2016 to 13 January, 2021.**

- iv) Served as a **Provost, Kabi Kazi Nazrul Islam Hall**, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh since **24 November, 2015 to 12 December, 2017**.
- v) Served as a **Provost, Begum Sayedunnesa Hall (Ex Begum Fazilatunnesa Mujib Hall)**, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh since **12 February, 2015 to 23 November, 2015**.
- vi) Acted as a **Provost of Begum Rokeya Hall (Ex Krishakratna Sheikh Hasina Hall)**, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh since **12 February, 2013 to 11 February, 2015**.
- vii) Acted as a **Transport Co-coordinator, Transport Pool**, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh since **28 October, 2011 to 11 February, 2013**.
- (vi) Acted as a **Provost, Siraj-Ud-Doula Hall**, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh since **09 April, 2009 to 12 April, 2011**.
- (vii) Acted as an **Associate Director (Outreach Program)**, Directorate of Outreach program, Sher-e-Bangla Agricultural University, Dhaka- 1207, Bangladesh since **14 January, 2009 to 08 April, 2009**.

### Other Experiences

(i) **Selected** as an ‘Assistant Agriculture Extension Officer’ qualifying in the **18<sup>th</sup> BCS examination, 1999**.

(ii) **Courses taken at Sher-e-Bangla Agricultural University:**

**Level -1:** AGRO 101, AGRO 102 (Principles of Agronomy- Theory & Practical)

**Level -2:** AGRO 251, AGRO 252 (Seed Science & Technology- Theory & Practical)

**Level - 3:** AGRO 351, AGRO 352 (Weed Management- Theory & Practical)

**Level - 4:** AGRO 451, AGRO 452 (Farm and Farming System- Theory & Practical)

AGRO 401, AGRO 402 (Crop Production Technology- Theory & Practical)

**MS (Agronomy):** AGRO 503 (Principles of Seed Technology), AGRO 509

(Irrigation Water Management), AGRO 506 (Crop Physiology and

Stress Agronomy), AGRO 502 (Sustainable Agriculture and Organic Farming)

**MS (Seed Technology Discipline):** STEC 508 (Seed Marketing and Business)

STEC 516 (Seed Processing and Preservation)

**Ph.D (Agronomy):** AGRO 602 (Integrated Crop Management)

AGRO 603 (Laboratory and Field Technique in Agronomy)

AGRO 605 (Advanced Crop Physiology)

(iii) **Research Interest:** Stress Physiology, Agronomy, Plant Physiology, Plant Growth Regulators.

(iv) **Computer Literacy:**

Computer fundamentals, MS Word, MS Excel & Internet.

(v) Acted as the Treasurer of the Teachers’ Association of Sher- e- Bangla Agricultural University in 2013-14 and 2017- 18.

### **SCHOLRASHIPS OBTAINED:**

(i) SSC Board Scholarship, 1984; by Cumilla Board.

(ii) Home District Merit Scholarship, 1988-1991; Brahmanbaria District Authority, Bangladesh.

### **LANGUAGE PROFICIENCY:**

▶ Mother Tongue: Bengali

▶ Second Language: English  
(All the classes and Examination in PhD were carried out in English).

**(DR. MD. SHAHIDUL ISLAM)**

## A LIST OF RESEARCH PUBLICATIONS

1. M. A. Z. A. Munsur, **M. S. Islam**, P. K. Biswas, Mirza Hasanuzzaman and M. I. Hossain. 2025. Modeling climate change impacts on boro rice production in Bangladesh. *Climate Change*, 11: e1cc1051.
2. **M. S. Islam** and M. Hasan. 2021. Effect of four Pre- storage seed treating chemicals on maintaining seed quality and reducing storage cost of rice seed. *Journal of Sher- e- Bangle Agricultural University*, 12 (1 & 2): 41- 50.
3. **M. S. Islam** and M. H. Sohag. 2021. Arsenic stress tolerance in lentil varieties. *Bangladesh Agronomy Journal*, 24 (2): 13- 20.
4. N. Sultana, **M. S. Islam**, P. K. Biswas and R. Chakraborty. 2021. Yield of aromatic rice as influenced by herbicidal weed control. *Bangladesh Journal of Weed Science*, 7(1&2): 15-20.
5. S. Akhtar, M.J. Ullah, M.K.U. Ahamed, A. Hamid, **M. S. Islam**, and M. R. Islam. 2021. Sowing date effects on phenology and yield of white maize genotypes during Kharif season under subtropical environment. *International Journal of Natural and Social Sciences*, 8(1): 81-90. <https://doi.org/10.5281/zenodo.4698306>
6. S. Akhtar, M.J. Ullah, A. Hamid, **M.S. Islam**, M.K.U. Ahamed and S.M. Masum. 2021. Influence of sowing dates on the phonological development, growth and yield of white maize genotypes. *Bangladesh Agronomy Journal*, 24 (1): 57- 70.
7. Naznin Ahmed, Khussboo Rahman, Mira Rahman, Khadeja Sultana Sathi, Md. Mahabub Alam , Kamrun Nahar, **Md. Shahidul Islam**, Mirza Hasanuzzaman. 2021. Insight into the thiourea-induced drought tolerance in two chickpea varieties: Regulation of osmoprotection, reactive oxygen species metabolism and glyoxalase system. *Plant Physiology and Biochemistry*, 167: 449- 458. <https://doi.org/10.1016/j.plaphy.2021.08.020>
8. **M. S. H. Bhuiyan**, **M. S. Islam**, T. S. Roy, M. A. Karim and M. A. Z. A. Munsur. 2020. **Mungbean and weed growth as affected by potassium and weed control methods.** *Internal Journal of Research in Agronomy*, 3(2): 01- 08. <http://www.agronomyjournals.com>.
9. Rajesh Chakraborty, **Shahidul Islam** and Tuhin Suvra Roy. 2020. Hybrid true seed production from potato mother plant as influenced by nitrogen splitting and boron. *Journal of Biological Research*, 93(1): 39- 47. <https://doi.org/10.4081/jbr.0.8563>.
10. Mohammed Shohrab Hossen Bhuiyan, **Md. Shahidul Islam**, Tuhin Suvra Roy, Subrota Podder and Shah Muhammad Shakhawat Hossain. 2019. Potassium and Weed Control Methods affected on Yield of Mungbean. *Asian Journal of Crop, Soil Science and Plant Nutrition*, 1(1): 15- 21. <https://doi.org/10.18801/ajcsp.010119.03>
11. Md. Emran Hossain, **Md. Shahidul Islam** and Md. Saidur Rahaman. 2018. Growth performance and development attributes of mungbean (*Vigna radiata* L.) as influenced by organic manure and inorganic fertilizer. *Asian Journal of Advances in Agricultural Research*, 7(2): 1-13. <http://www.sciencedomain.org/review-history/25647>.
12. S. Rummana, A. K. M. R. Amin, **M. S. Islam** and G. M. Faruk. 2018. Effect of Irrigation and Mulch Materials on Growth and Yield of Wheat. *Bangladesh Agronomy Journal*, 21(1): 71- 76. <https://doi.org/10.3329/baj.v21i1.39362>.
13. A. K.M. Foyalkabir, **Md. Shahidul Islam**, Md. Quamruzzaman, Sheikh Mohammed Mamur Rashid, Marjana Yeasmin and Nazrul Islam. 2016. Effect of Plant Growth Regulator and Row Spacing on Mungbean (*Vigna radiata*). *Advances in Biological Research*, 10(4): 222-229.

14. M. Khanam, **M. S. Islam**, M. H. Ali, Imtiaz Faruk Chowdhury and S. M. Masum. 2016. **Performance of soybean under different levels of phosphorus and potassium.** *Bangladesh Agronomy Journal*, **19**(1): 99- 108. <https://doi.org/10.3329/baj.v19i1.29876>.
15. R. Uddin, **M. S. Islam**, M. J. Ullah, P. K. Hore and S. K. Paul. 2015. Grain growth and yield of wheat as influenced by variety and sowing date. *Bangladesh Agronomy Journal*, **18**(2): 97- 104. <https://doi.org/10.3329/baj.v18i2.28911>.
16. **M. R. Ullah, M. F. Karim, M. S. Islam and M. Hasanuzzaman.** 2013. **Performance of T. aman varieties under different levels of NPK fertilizers.** *Bangladesh Agronomy Journal*, **16**(1): **73- 80.**
17. M. M. U. Rashid, A. R. M. Solaiman, M. Jahiruddin, A. J. M. S. Karim, **M. S. Islam** and A. S. B. M. Nasim. 2011. Effect of urea- nitrogen, cowdung, poultry manure and urban watses on yield and yield components of boro rice. *International Journal of Agriculture, Environment & Biotechnology*, **4**(1): 9- 13.
18. **M. S. Islam**, M. A. Karim, A. Hamid, M. A. Razzaque, and T. S. Roy. 2010. Genetic diversity analysis in mungbean [*Vigna radiata* (L.) Wilczek] under water stress. *International Journal of Agriculture, Environment & Biotechnology*, **3**(2): 213- 217.
19. **M. S. Islam**, M. A. Karim, M. M. Haque and A. Hamid. 2010. Effect of benzylaminopurine on growth response and water status of mungbean [*Vigna radiata* (L.) Wilczek] under water deficit conditions. *Journal of Agriculture & Environmental Sciences*, **1**: 31- 39.
20. T. S. Roy, T. Nishizawa, **M. S. Islam**, M. A. Razzaque and M. Hasanuzzaman. 2009. Potentiality of small seedling tuber derived from true potato seed (*Solanum tuberosum* L.) and its economic return as affected by progeny and clump planting. *International Journal of Agriculture, Environment & Biotechnology*, **2**(4): 385- 392.
21. **M. S. Islam**, M. A. Karim, A. Hamid, M. M. Haque and A. R. M. Solaiman. 2009. Water relations, dry matter production and yield of four mungbean (*Vigna radiata* (L.) Wilczek) cultivars under water stress imposed at first flowering. *International Journal of Agriculture, Environment & Biotechnology*, **2**(3): 260- 265.
22. M. A. Razzaque, N.M. Talukder, **M.S. Islam**, A. K. Bhadra and M.A Baset. 2009. The effect of calcium supplementation on N, P, K, Na, Ca, Mg, S content in shoot of rice under different salinity levels. *International Journal of Agriculture, Environment & Biotechnology*, **2**(3): 243- 254.
23. **M. S. Islam**, M. A. Karim, M. A. Razzaque, A. K. Bhadra and M. M. U. Rashid. 2009. Water relations, growth and yield response of mungbean (*Vigna radiata* (L.) wilczek) to water stress at first trifoliolate. *International Journal of Agriculture, Environment & Biotechnology*, **2**(2): 156- 160.
24. M. A. Razzaque, N. M. Talukder, **M. S. Islam**, A. K. Bhadra and R. K. Datta. 2009. The effect of salinity on morphological characteristics of seven rice (*Oryza sativa*) genotypes differing in salt tolerance. *Pakistan Journal of Biological Sciences*, **12**(5): 406- 412.

25. **M. S. Islam**, M. A. Karim, A. Hamid and M. M. Haque. 2009. Effect of Growth regulators on physiological characters and yield of mungbean [ *Vigna radiata* (L.) Wilczek] under water stress. *Bangladesh Agronomy Journal*, **12** (1& 2): 57- 64.
26. **M. S. Islam**, M. A. Karim, A. Hamid, T. Hossain, M. M. Haque and A. R. M. Solaiman. 2008. Effect of BAP and NAA on plant characters and yield of mungbean [ *Vigna radiata* (L.) Wilczek] under water stress condition. *Journal of Agricultural Education and Technology*, **11** (1& 2): 127- 132.
27. T. S. Roy, **M. S. Islam**, H. M. M. T. Hossain, P. Suter and M. Asaduzzaman. 2008. Evaluation of true potato seed varieties for ware potato production. *Journal of Agricultural Education and Technology*, **11** (1& 2): 67- 72.
28. M. A. Razzaque, N. M. Talukder, A. K. Bhadra and **M. S. Islam**. 2008. The effect of salinity on seedling growth of different rice genotypes. *Journal of Sher-e-Bangla Agricultural University*, **2** (2): 85- 93.
29. M. A. Razzaque, N. M. Talukder, **M. S. Islam** and A. K. Bhadra. 2008. Effect of salinity on mineral content in different plant parts of rice genotypes. *Journal of Sher-e-Bangla Agricultural University*, **2** (2): 47- 56.
30. M. M. U. Rashid, M. M. Rahman, M. H. Mian and **M. S. Islam**. 2007. Response of BRRI dhan 30 to sulphur, zinc and boron supplied from manures and fertilizers. *Journal of Agricultural Education and Technology*, **10** (1& 2): 117- 122.
31. **M. S. Islam**, M. A. Karim, A. Hamid and M. M. Haque. 2007. Response of four mungbean [ *Vigna radiata* (L.) Wilczek] genotypes to water stress at first flowering. *Journal of Agricultural Education and Technology*, **10** (1& 2): 33- 38.
32. M. J. Ullah, F. Hossain, Q. A. Fattah, M. Z. Hossain and **M. S. Islam**. 2006. Effect of growth regulators on the number of different plant parts in cowpea (*Vigna unguiculata* (L.) Walp.) plant. *Journal of Agricultural Education and Technology*, **9** (1& 2): 107- 110.
33. M. F. Karim, Q. A. Fattah, M. Z. Hossain, **M. S. Islam** and H. M. M. T. Hossain. 2006. The influence of potassium naphthenate and naphthalene acetic acid on yield performances of chickpea (*Cicer arietinum* L.). *Journal of Agricultural Sciences and Technology*, **7** (1& 2): 80-84.
34. **M. S. Islam**, M. F. Karim, M. J. Ullah, Q. A. Fattah and M. I. Hossain. 2006. Effect of Knap and NAA on shoot dry matter, yield attributes and yield of lentil (*Lens culinaris*). *Journal of Agricultural Education and Technology*, **9** (1& 2): 55- 58.
35. **M. K. Uddin**, M. A. Hossain, M. I. Hossain, **M. S. Islam** and M. M. Islam. 2005. **Marketing of boro paddy in some selected areas in Jamalpur district.** *Journal of Agricultural Education and Technology*, **8** (1& 2): 27-30.
36. **M. S. Islam**, A. M. A. Kamal, M. F. Karim, A. K. M. R. Amin and K. U. Ahmed. 2004. Effect of variety and fertilization on nutrient uptake by transplant aman rice. *Bangladesh Journal of Life Sciences*, **16** (1): 141-146.
37. **M. I. Hossain**, M. H. Rahman, S. U. Ahmed, L. Yasmin and **M. S. Islam**. 2001. **Performance of four garlic cultivars planted at different dates in Mymensingh condition.** *Journal of Agricultural Sciences and Technology*, **2** (1): 83- 86.

38. **M. S. Islam**, A. M. A. Kamal, M. I. Hossain, M. F. Karim and M. K. Uddin. 2000. Effect of variety and fertilization on yield and grain protein content in transplant aman rice. *Journal of Agricultural Education and Technology*, **3** (1& 2): 9- 12.
39. **M. M. Rahman**, **M. A. Latif**, **M. R. Ali**, **M. K. Hossain** and **M. S. Islam**. 1998. **Study on correlations among yield contributing characters of some fine rice cultivars**. *Journal of Agricultural Education and Technology*, **1** (2): **87- 90**.

#### **Book:**

1. Translated the book “Agriculture Studies” for English version prescribed by the National Curriculum and Textbook Board for standard IX & X from the academic year-2013.

#### **Manual:**

1. **Member of the editorial board of the ‘Farmer’s Training Manual on Agricultural Climate Services’**
2. **Member of the editorial board of the ‘DAE Cadre Officials ToT Manual on Agricultural Climate Services’**
3. **Member of the editorial board of the ‘Training Manual for Sub- assistant Agriculture Officer on Agricultural Climate Services’**

#### **Article published related to stress physiology and agro- climatology:**

1. M. A. Z. A. Munsur, **M. S. Islam**, P. K. Biswas, Mirza Hasanuzzaman and M. I. Hossain. 2025. Modeling climate change impacts on boro rice production in Bangladesh. *Climate Change*, 11: e1cc1051.
2. **M. S. Islam** and M. H. Sohag. 2021. Arsenic stress tolerance in lentil varieties. *Bangladesh Agronomy Journal*, 24 (2): 13- 20.
3. Naznin Ahmed, Khussboo Rahman, Mira Rahman, Khadeja Sultana Sathi, Md. Mahabub Alam , Kamrun Nahar, **Md. Shahidul Islam**, Mirza Hasanuzzaman. 2021. Insight into the thiourea-induced drought tolerance in two chickpea varieties: Regulation of osmoprotection, reactive oxygen species metabolism and glyoxalase system. *Plant Physiology and Biochemistry*, 167: 449- 458. <https://doi.org/10.1016/j.plaphy.2021.08.020>.
4. **M. S. Islam**, M. A. Karim, A. Hamid, M. A. Razzaque, and T. S. Roy. 2010. Genetic diversity analysis in mungbean [*Vigna radiata* (L.) Wilczek] under water stress. *International Journal of Agriculture, Environment & Biotechnology*, **3**(2): 213- 217.
5. **M. S. Islam**, M. A. Karim, M. M. Haque and A. Hamid. 2010. Effect of benzylaminopurine on growth response and water status of mungbean [*Vigna radiata* (L.) Wilczek] under water deficit conditions. *Journal of Agriculture & Environmental Sciences*, 1: 31- 39.

6. **M. S. Islam**, M. A. Karim, A. Hamid, M. M. Haque and A. R. M. Solaiman. 2009. Water relations, dry matter production and yield of four mungbean (*Vigna radiata* (L.) Wilczek) cultivars under water stress imposed at first flowering. *International Journal of Agriculture, Environment & Biotechnology*, **2**(3): 260- 265.
7. M. A. Razzaque, N.M. Talukder, **M.S. Islam**, A. K. Bhadra and M.A Baset. 2009. The effect of calcium supplementation on N, P, K, Na, Ca, Mg, S content in shoot of rice under different salinity levels. *International Journal of Agriculture, Environment & Biotechnology*, **2**(3): 243- 254.
8. **M. S. Islam**, M. A. Karim, M. A. Razzaque, A. K. Bhadra and M. M. U. Rashid. 2009. Water relations, growth and yield response of mungbean (*Vigna radiata* (L.) wilczek) to water stress at first trifoliolate. *International Journal of Agriculture, Environment & Biotechnology*, **2**(2): 156- 160.
9. M. A. Razzaque, N. M. Talukder, **M. S. Islam**, A. K. Bhadra and R. K. Datta. 2009. The effect of salinity on morphological characteristics of seven rice (*Oryza sativa*) genotypes differing in salt tolerance. *Pakistan Journal of Biological Sciences*, **12**(5): 406- 412.
10. **M. S. Islam**, M. A. Karim, A. Hamid and M. M. Haque. 2009. Effect of Growth regulators on physiological characters and yield of mungbean [ *Vigna radiata* (L.) Wilczek] under water stress. *Bangladesh Agronomy Journal*, **12** (1& 2): 57- 64.
11. **M. S. Islam**, M. A. Karim, A. Hamid, T. Hossain, M. M. Haque and A. R. M. Solaiman. 2008. Effect of BAP and NAA on plant characters and yield of mungbean [ *Vigna radiata* (L.) Wilczek] under water stress condition. *Journal of Agricultural Education and Technology*, **11** (1& 2): 127- 132.
12. M. A. Razzaque, N. M. Talukder, A. K. Bhadra and **M. S. Islam**. 2008. The effect of salinity on seedling growth of different rice genotypes. *Journal of Sher-e-Bangla Agricultural University*, **2** (2): 85- 93.
13. M. A. Razzaque, N. M. Talukder, **M. S. Islam** and A. K. Bhadra. 2008. Effect of salinity on mineral content in different plant parts of rice genotypes. *Journal of Sher-e-Bangla Agricultural University*, **2** (2): 47- 56.
14. **M. S. Islam**, M. A. Karim, A. Hamid and M. M. Haque. 2007. Response of four mungbean [ *Vigna radiata* (L.) Wilczek] genotypes to water stress at first flowering. *Journal of Agricultural Education and Technology*, **10** (1& 2): 33- 38.

**(DR. MD. SHAHIDUL ISLAM)**