

# Curriculum Vitae

**Name :**Quazi Shireen Akhter Jahan

**Gender :** Female

**Designation :** Principal Scientific Officer

**Institution :** Bangladesh Rice Research Institute (BRRI)

**Date of joining in the present position :** 12-01-2011

**Date of first joining in service :** 20-08-1998

**Date of birth :** 18-03-1970

**Field of Specialization :** Plant Pathology

## **Educational Career:**

Degree/Diploma/ Certificate	Class/Grade/Division	University/Institute	Year
i) Doctor of Philosophy	GPA=3.833	Universiti Putra Malaysia, Malaysia	2014
ii) M. Sc. Agr.	Credit	The University of Sydney, Australia	2006
iii) M.S. in Plant Pathology	First Class	Bangladesh Agricultural University, Mymensingh	1997
iv) B.Sc. Ag (Hons)	First Class	Bangladesh Agricultural University, Mymensingh (Held in 1996)	1992

## **Publications**

### **Full paper:**

#### **Principal author (International and Peer reviewed Journal):**

1. **S. A. J. Quazi, Meon S, Jaafar H and Ahmad Z.A.B.M.** (2015). The role of phytohormones in relation to bakanae disease development and symptoms expression. *Physiological and Molecular Plant Pathology* 90 (1-12).

2. **Quazi, S.A.J., Meon, S., Jaafar, H. and Ahmad, Z.A.B.M.** (2013). Characterization of *Fusarium proliferatum* through species specific primers and its virulence on rice seeds. *International Journal of Agriculture and Biology*, 15: 649–656.
3. **S. A. J. Quazi**, L. W. Burgess and J. Smith-White (2009). Sorghum is a suitable break crop to minimize *Fusarium pseudograminearum* and *Gibberella zeae* in any location regardless of climatic differences, whereas *Gibberella zeae* is location and climatic specific. *Australasian Journal of Plant Pathology*. Vol: 38(1):91-99.

**Co-author (International and Peer reviewed Journal):**

1. M Sh Islam, **QSA Jahan**, K Bunnarith, S Viangkum and SD Merca (2000). Evaluation of seed health of some rice varieties under different conditions. *Botanical Bulletins and Academia Sinica*, 41: 293-297.
2. Latif , M.A. and Mohd Rafii, Yusop and Haque, A. and **Jahan, Q. S. A.** and Hossain, M. A. (2011). Cost-effective management of ufra disease of rice and identification of resistant landraces, *Scientific Research and Essays*, 6 (13). pp. 2268-2675

**Short Communication (International and Peer Reviewed):**

1. **S. A. J. Quazi**, L. W. Burgess and J. Smith-White (2010). Colonization type of *Gibberella zeae* in Sorghum bicolor. *Journal of Plant Pathology*. 92(1): 261-265.

**Full Paper (Local Journal):**

**Principal author:**

1. **S A J Quazi**, T H Ansari, S Akter, M Tuhina-Khatun MA and Monsur (2010). Influence of soil amendment with organic silicon source on blast disease development. *Eco-friendly Agriculture Journal*, 3(6): 266-270.
2. **S A J Quazi** and Z R Moni (2010). *Echinochloa colona* (Barnyard grass) – An alternative host of crown rot fungus *Fusarium pseudograminearum*. *Eco-friendly Agriculture Journal*, 3(5): 237-241.
3. **S A J Quazi**, MAT Mia, MA Monsur and M Tuhina-Khatun (2010). Evaluations for methods for sheath rot disease development in screening purposes. *International Journal of Bio Research*, 8(4): 51-54.
4. **S A J Quazi**, M A Ali, T H Ansari, MA Monsur and M Tuhina-Khatun (2010). Screening of suitable fungicides in controlling rice blast disease. *Eco-friendly Agriculture Journal*, 3(5): 261-265.
5. **S A J Quazi**, S Akter, MA Monsur and M Tuhina-Khatun (2009). Assessment of Yield loss due to Tungro in Bangladesh. *Bangladesh Journal of Plant Pathology*, 25(1-2):37-40.

**6. QSA Jahan**, I Hossain and A Momin (1998). Effect of date of sowing on leaf blotch (*Bipolaris sorokiniana*) of wheat and its interaction on grain formation. Bangladesh Journal of Seed Science & Technology, 2(1&2): 69-76.

**7. QSA Jahan**, I Hossain and A Momin (1998). Studies on leaf blight severity of wheat under field condition and its effect on grain formation. Bangladesh Journal of Agricultural Science, 28 (1): 73-78.

**Co-author (Local Journal):**

1. S Akter, Tuhina-Khatun, TH Ansari, **QSA Jahan**, MA Begum and MAT Mia (2009). Evaluation of fungicides in controlling brown spot disease of rice. Bangladesh Journal of Plant Pathology, 25(1-2): 71-74.
2. SSParul, MS Pervin, Kobita, **QSA Jahan** and Mohibul Hasan (2009). Study in rice yield variation over 20 years time (Late '60S to Early '80S). International Journal of Bio Research, 6(5): 43-50.
3. SSParul, M Hasan, ASM Hussain, MA Haque and **QSA Jahan** (2009). Effect of different nitrogen management techniques on nitrogen content and its use efficiency of BRRI dhan 29. International Journal of Bio Research, 7(1): 41-47.
4. M A Latif, M A Ali, S Akter, M. Hossain, **QSA Jahan**, MS Kabir, N R Sharma, M M Rahman and M A T Mia (2009). Screening of genotypes, organic amendments and antagonistic bacteria for the management of sheath blight disease of rice. Eco-friendly Agriculture Journal, 2(7): 706-712.
5. ZR Moni, MA Ali, MAI Khan, **QSA Jahan**, R Barua, MAT Mia and M Alam (2009). Rice sheath blight disease management through different source and doses of ash. International Journal of Bio Research, 7(5): 108-112.
6. SSParul, **QSA Jahan**, Mohibul Hasan and Masood Ahmed (2008). Determination of optimum nitrogen doses of BRRI Dhan 28 using leaf color chart. International Journal of Bio Research, 5(6): 1-5.
7. SSParul, **QSA Jahan**, Mohibul Hasan and Masood Ahmed (2008). Optimization of doses against two different SPAD values in BRRI Dhan 28. International Journal of Bio Research, 5(5): 7-12.
8. MS Kabir, MAT Mia, **QSA Jahan**, M Ibrahim and A Shaha (2001). Quality of farmer's seed of Feni district and effect of seed cleaning methods on seed borne fungi. Bangladesh Journal of seed science and Technology, 5(1&2): 35-39.8.

**Paper/abstract presented in the workshop, seminar/ Proceedings (International):**

**Principal Author:**

- 1. SAJ Quazi**, M Sariah, J Hawa, MA Zainal Abidin (2012). Isolation, characterization and Identification of causal pathogen of bakanae disease of rice in Malaysia. Isolation, characterization and Identification of causal pathogen of bakanae disease of rice in Malaysia. Paper presented in the "International Agriculture Congress 2012 (held on 4-6<sup>th</sup> September, 2012 at Marriot, Putrajaya, Malaysia)
- 2. Quazi Shireen**.(2010). Rice husk ash - natural silicon content amendment for sheath blight disease management. Poster paper presented and abstract published in the proceedings in the "3<sup>rd</sup> International Rice Research Congress". (held on 8-12 November, 2010 at Vietnam National Convention Centre, Hanoi, Vietnam).
- 3. Quazi, S** and Mohammed, M Assessing the effectiveness of Silicon content materials against blast disease of rice. (Abstract published in the proceedings of "4<sup>th</sup> international Silicon in Agriculture conference" held in Wild Coast Sun, Port Edward, Kwazulu-Natal, South Africa on 26-31 October, 2008).
- 4. S. A. J. Quazi<sup>1</sup>**, L.W. Burgess<sup>2</sup> and J. Smith-White ((2008), **90** (2), Supplement). Sorghum is a suitable break crop to minimize *Fusarium pseudograminearum* and *Gibberella zeae* in any location. (Abstract published in the proceedings of the 9<sup>th</sup> International Congress of Plant Pathology held in Torino (Italy) from August 24-August 27, 2008).
- 5. S. A. J. Quazi<sup>1</sup>**, L.W. Burgess<sup>2</sup> and J. Smith-White<sup>2</sup>. Assessment of endophytic colonization of *Sorghum bicolor* seedlings by *Gibberella zeae*. Journal of Plant Pathology (2008), **90** (3, Supplement), S3.79-S3.89 P.86. (Abstract published in the proceedings of the X International Fusarium and Fusarium Genomic Workshop 2008 held in Alghero, Sardinia (Italy) from 30 August to 2<sup>nd</sup> September 2008).

**Paper/abstract presented in the workshop, seminar/ Proceedings (National):**

- 1. Quazi Shireen Akhter Jahan** (2005). The role of sorghum as an intermediate host of *Fusarium pseudograminearum* and *Gibberella zeae* (Paper presented in "Thursday Seminar" on 20th October, 2005 at BIRRI auditorium, Gazipur).

2. **Shireen A. Jahan Quazi**, Sariah Meon, Zainal Abidin B.M. Ahmad and Hawa Jaafar (2014). Characterization of *Fusarium proliferatum* Through Species Specific Primers and Infection Process in Rice. (Paper presented in "Thursday Seminar" on 20th November, 2014 at BIRRI auditorium, Gazipur).
3. **Shireen A. Jahan Quazi**, Sariah Meon, Zainal Abidin B.M. Ahmad and Hawa Jaafar (2015). Mechanism of pathogenesis of *Fusarium proliferatum* in bakanae disease development. (Paper presented in "Thursday Seminar" on 19th February, 2015 at BIRRI auditorium, Gazipur).

Co-author:

1. Md. Montezar Rahman, Md. Anwar Hossain, **QSA Jahan** and MS Kabir (2007). Research on Rice Disease Management in Bangladesh. (Paper presented in the Proceedings of the National workshop on "Strategic Intervention on Plant Pathological Research in Bangladesh held at BARI (Bangladesh Agricultural Research Institute), on 11-12 February, 2007)
2. Md Ansar Ali, **Quazi Shireen Akhter Jahan** and Dr M M Rahman (2005). Demonstration and validation of sheath blight disease management through organic amendments, bio-control agents, K-split and a new fungicide in Transplanted Aus. (Paper presented in the workshop "Rice Sheath Blight Complex" held at BIRRI, Gazipur on 18 September 2005)
3. Md. Ansar Ali, B Karmakar, **QSA Jahan**, MS Alam, and MM Rahman (2005). FineRice: Performance and Research progress. (Paper presented in the workshop on "Research Progress and sustainable technology for Rajshahi region" on 09 September 2005 at BIRRI, Rajshahi).
4. Md Ansar Ali, **Quazi Shireen Akhter Jahan**, Dr M A Taher Mia and Dr M M Rahman (2005). On farm demonstration and validation of sheath blight disease management practices. (Paper presented in the workshop "Validation and Promotion of Rice Sheath Blight Disease Management" held at BIRRI, Gazipur on 11 December, 2005).
5. MA Ali, B. Karmakar, **QSA Jahan**, M. Nasim and Ms Alam (2006). Research results of Bangladesh Rice Research Institute, Regional Station, Rajshahi 2005-2006 (Paper presented in the workshop "Regional Research-Extension Review and Program Planning Workshop for Rajshahi Region on 28-30 May, 2006 at Regional Agricultural Research Station, BARI, Ishwardi, Pabna").

**Books/Monographs**

1. Hamidur Rahman Molla, **Quazi Shireen Akhter Jahan**, Md. Shahajahan Kabir, Md. Abdul Awal and Jesmin Ara (2000). Poverty Elimination through Rice Research Assistance (PETRRA). Stakeholder Analysis Report Maijdi, Noakhali. Bangladesh Rice Research Institute and International Rice Research Institute.

**Award received:**

1. NATP, PIU, BARC scholarship for performing PhD at University Putra, Malaysia.
2. Australian Development Scholarship (ADS) for performing M Sc.
3. Bangladesh Scholarship Council (BSC)
4. Chairman's Award in the Foundation Training sponsored by BARC, Bangladesh