

## CURRICULUM VITAE

### ARMIN BHUIYA

#### Present Address

Nabeel Lakeshore Appartment  
3 Lake Circus, Kalabagan, Dhaka  
Bangladesh

#### Permanent Address:

D/O Shafiqul Islam Bhuiya  
Vill: Sayadnagar  
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Bangladesh

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#### Affiliations

- November 2007 - Till now: Scientific Officer, Bangladesh Rice Research Institute Gazipur -1700, Bangladesh.
- June 2010 to September 2014: PhD Research Scholar, Crop and Environmental Science Division; International Rice Research Institute (IRRI), Los Banos, Manila, Philippines, and Fellow of Pioneer-Generation Challenge Program .

#### Areas of Interest

- Conventional and Molecular breeding for crop improvement
- Research on Development of stress (cold, heat, salinity, submergence) tolerant variety
- Plant Biotechnology

## Education

**PhD** in Genetics and Plant Breeding., Bangladesh Agricultural University and International Rice research Institute, Philippines, 2015

**Thesis title** : Identification of novel QTLs for salinity tolerance and pyramiding of salinity and submergence tolerance QTLs to develop improved rice varieties

**MS** in Genetics and Plant Breeding. Sher –e- Bangle Agricultural University, Bangladesh, 2008 (Grade ‘A’, CGPA 3.9 out of 4).

**Thesis title:** Isolation and characterization of Maintainers and Restorers from inter sub-specific (*indica x japonica*) derivatives lines of rice.

**BSc.** in Agriculture. Sher –e- Bangle Agricultural University, Bangladesh, 2003 (First class 12<sup>th</sup>, Exam held in 2005).

## Publications

### (a) Scientific Journals (5)

#### As Principal author (1)

1. **Bhuiya A.**, M.S. Hossain, S. R. Bhuiyan, M. A. Siddique and M. Z. Islam. 2010. Isolation and characterization of maintainers and restorers from inter sub-specific (*indica x japonica*) derivative lines of rice. Eco-friendly Agril. J. **3(1)**.

#### As co-author (4)

2. M A Siddique, N Islam, H Begum, **A Bhuiya** and M AAMamun. 2009. Effect of plant spacing and level on the yield performance of T Aman rice. Eco-friendly Agril. J. **2(6):637-640**.
3. M Z Islam, H Begum, M ASiddique, **ABhuiya** and M M R Dewan.2009. Study on wheat seed quality in different storage containers. Eco-friendly Agril. J.**2(12):1033-1037**.
4. M H K Baktiar, M A Siddique, **A Bhuiya**, ESMH Rashid and MS Ahmed. 2013. Optimization of seedling number for breeder seed production of rice(*Oryza sativa L.*). Eco-friendly Agril. **J. 6(12): 253-256**.
5. M H K Baktiar, M A Siddique, M Khalequzzaman, **A Bhuiya**and M Z Islam. 2013. Effect of maturity period and harvesting time on quality and yield in breeder seed of rice (*Oryza sativa L.*). Eco-friendly Agril. **J. 6(11): 249-252**.

**(b) Book (1) :**

**As Principal Author (1)**

1. **Bhuiya A. 2012.** Isolation and Characterization of Maintainers and Restorers of Rice. Published by LAP LAMBERT Academic Publishing (2012-02-03).

**(c) Seminar/ Workshop/ Symposium/ Proceedings/ Abstract (3)**

**As Principal Author**

1. **Bhuiya. A.,** M.S. Hossain and M.S.R.Bhuiya. (2009). Isolation and Characterization of Maintainers and Restorers from inter sub-specific ( indica x japonica) derivative lines of rice. Abstracts **In:** Souvenir. International Conference on Plant Breeding & Seed for food security. BARC, Farmgate, Dhaka. Pp-45.
2. **Bhuiya A.** and Abdelbagi M. I. 2011. Identification of novel QTLs for salinity tolerance and pyramiding with submergence tolerance to develop improved rice varieties for Bangladesh. Project updates, GCP General Research Meeting 2011. Pg-73. India.
3. **Bhuiya A.** and Abdelbagi M. I. 2013. Identification of novel QTL for salinity tolerance in rice from the landrace Kutipatnai. Poster Abstracts, GCP Annual Research Meeting 2013. Pg-32. Lisbon, Portugal.

**Professional Training obtained**

**A. In country training**

1. Foundation Training Course for NARS Scientists (Batch-20) from 30 Sept. 2009 to 27 Jan. 2010, BARD, Comilla.
2. Training on Applied Nutrition from 22 to 26 Feb. 2009, BANHRDB, Dhaka.
3. Training workshop on "Marker Assisted Breeding for Bangladesh" from 18 to 27 Nov. 2008, BRRI, Gazipur
4. 1-Month Rice Production Training from July 27 to August 25, 2008, BRRI, Gazipur
5. Breeder Seed Production and Preservation training from 14-16 June 2008, BRRI, Gazipur
6. Training on Hybrid Rice Development and Seed Production Technology from 06-10 April, 2008, BRRI, Gazipur

**B. Foreign training**

1. Rice Breeding Course from 24 Aug to 8 Sept. 2009. IRRI HQ, Los Banos, Philippines
2. Basic Scientific Writing Workshop from 4-5, 8 Nov. 2010. IRRI HQ, Los Banos, Philippines
3. SNP Analysis and Candidate Gene Discovery Training Course from 17-22 Nov. 2010. IRRI HQ, Los Banos, Philippines

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## **Research Experience**

- Collection, rejuvenation, characterization, documentation, preservation and exchange of rice genetic resources.
- Rice Morphology and Physiology analysis
- Screening of rice germplasm against salinity, submergence, cold and heat stress.
- Molecular Breeding for rice (QTL mapping and Pyramiding of different QTLs in the same background)
- Seed technology research.
- Breeder Seed production and production technology research.
- Maintenance of BRRI developed and released varieties.
- Research data analysis, interpretation of the results and report writing
- Technology transfer.
- Research management like Programming, execution, monitoring, evaluation and coordination of various activities related to rice genetic resources and breeder seed.
- Individual leadership skills including excellent organizational and record keeping along with computer skills and able to work as part of a multi-disciplinary/multicultural research team

## **Teaching and theses/research Supervising**

- Research methodology development
- Research paper supervisor
- Part- time trainer at the BRRI, other GO, NGO and PS organizations

## **Research Contribution**

### **As Principal Investigator:**

1. Diversity study of rice.
2. Wild rice management.
3. Identification of salinity tolerant QTL.
4. Pyramiding of salinity and submergence tolerance.

### **As Co-Investigator:**

1. Collection, characterization and documentation of rice germplasm.
2. Breeder Seed Production.
3. Nucleus seed production and maintenance.
4. Dormancy duration of BRRI developed recent rice varieties.
5. Conservation of germplasm

## Language Proficiency

	<b>Listening</b>	<b>Speaking</b>	<b>Writing</b>	<b>Reading</b>
<b>Bengali</b>	Excellent	Excellent	Excellent	Excellent
<b>English</b>	Excellent	Excellent	Excellent	Excellent

## Computer Literacy

Skilled Microsoft word, Microsoft excel, Microsoft power point, adobe Photoshop, data management and data analysis using computer based software packages, SPSS, PowerPoint, Crop stat and Qgene.

## Involvement in professional association

- BRRI Scientist Association
- Plant Breeding and Genetics Society of Bangladesh
- Krishibid (Agriculturist) institution of Bangladesh
- AFSTRI (The Association of Fellows, Scholars, Trainees and Resident of IRRI)

## Biographical

Name in full : ARMIN BHUIYA  
Date of birth : 29<sup>th</sup>December, 1982  
Nationality : Bangladeshi (by birth)  
Marital Status : Married

## References

### **Dr. Abdelbagi M Ismail**

Principal Scientist & Coordinator,  
Stress Tolerance Rice for Africa and South  
Asia (STRASA),  
International Rice Research Institute (IRRI),  
DAPO Box 7777, Metro Manila, Philippines  
Email: [a.ismail@irri.org](mailto:a.ismail@irri.org)

### **Dr. Mohammad Khalequzzaman**

Chief Scientific Officer and Head  
Genetic Resources and Seed Division  
Bangladesh Rice Research Institute  
Gazipur, Bangladesh  
Email: [zamanmk64@yahoo.co.uk](mailto:zamanmk64@yahoo.co.uk)

I do hereby declare that the above statements are correct and complete to the best of my knowledge.



**ARMIN BHUIYA**

**Date: 23 November 2015**