

Curriculum vitae

Dr. Afsana Ansari

Senior Scientist, Hybrid Rice Division

Bangladesh Rice Research Institute (BRRI), Gazipur-17

Phone: +880249272014-18(office-629. Home-382)

Mobile-+8801712084730

E-mail: afsanabrri@gmail.com



1.0 Personal Information

1.1 Name: **Afsana Ansari**

1.2 Father's name: Mohammad Ansar Uddin

1.3 Mother's name: Rokeya Begum

1.4 Husband's name: Muhammad Shakil Hossain

1.5 Permanent address: 60/Kha, College Road, Mymensingh-2200, Bangladesh

1.6 Current address: Hybrid Rice Division, BRRI, Gazipur-1701, Bangladesh, Cell # +8801712084730

1.7 Date of birth: **11 October, 1979**

1.8 Place of birth: Mymensingh, Bangladesh

1.9 Nationality: Bangladeshi by birth

1.10 Religion: Islam

2.0 Educational Qualification

Degree	Duration	University/Board	Year
PhD in Crop Genetics and Breeding	3 years	Institute of Crop Sciences, CAAS, Beijing, China	2016
M.S. in Genetics and Plant Breeding	2 years	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh	2009
M.S. in Environmental Science	2 years	Bangladesh Agricultural University, Mymensingh	2005
B.Sc.Ag. (Hons.)	4 years	Bangladesh Agricultural University, Mymensingh	2001
HSC	2 years	Govt Muminunessa Mohila College, Mymensingh	1996
SSC	10 years	Vidyamoyee Govt. Girls' High School, Mymensingh	1994

3.0 Service Experience:

Designation	Specialized field	Institute	Duration	Responsibilities
Senior Scientific Officer	Hybrid Rice	Hybrid Rice Division, Gazipur-1701, Bangladesh	Since 24 February, 2019 to till	Planning, designing, performing in scientific research and writing scientific research article, seminar presentation and training
Scientific Officer	Hybrid Rice	Hybrid Rice Research Capacity Development of Bangladesh Rice Research Institute &	26 February, 2016 to 25 February, 2018.	Planning, designing, performing in scientific research and writing scientific research article, seminar presentation, attending to workshop and seminar.

						The China-aid Technical Project on Rice in the People's Republic of Bangladesh.
Scientific Officer	Hybrid Rice and Genetic Engineering in rice	Hybrid Rice Division, Rice Research Institute 1701, Bangladesh	Rice	Since February, 2006 to November, 2019 (included deputation for higher studies)	23	i. Planning, designing, performing in scientific research and writing scientific research article, seminar presentation, attending to workshop and seminar. ii. Lectures and train the farmers, sub assistant agriculture officers and agriculture officers about the technology of hybrid rice.

4.0 Professional Training/Workshop/Seminar Obtained

4.1 Training and other experiences:

Organization	Year	Duration	Name of programme
Bangladesh Rice Research Institute	2020	5 days	Scientific Report Writing Training Course
Bangladesh Rice Research Institute	2019	5 days	Scientist Training on Open Source Software R
National Agricultural Training Academy	2019	4 Months	Foundation Training for NARS Scientists
TWAS, Trieste, Italy	2018	5 Days	Course on Science and Diplomacy
Bangladesh Rice Research Institute	2017	5 Days	Hybrid Rice Development and Seed Production
Bangladesh Rice Research Institute	2017	5 days	Programing R for Experimental Design and Data Analysis
Bangladesh Rice Research Institute	2017	3 days	Experimental Design and Data Analysis Training Course
Bangladesh Rice Research Institute	2012	7 Days	Theory and Practice of Molecular Breeding in Rice
Conducted By UNESCAP (Held at BRRI)	2011	18 Days	Integrated Techniques of Hybrid Rice Seed Production
Conducted By UNESCAP (Held at BRRI).	2011	14 Days	Genetic Theory of Hybrid Rice Breeding
Bangladesh Rice Research Institute	2010	3 Days	Breeder Seed Production and Preservation of Rice

Conducted By IRRI & BRRI (Held at BRRI)	2010	3 Days	GSR-Hybrid Rice Seed Production
Bangladesh Rice Research Institute	2006	5 Days	Development and Seed Production of Hybrid Rice
Bangabandhu Sheikh Mujibur Rahman Agricultural University	2007	15 Days	Data Management (Microsoft Excel, MSTATC, IRRISTAT and SPSS)
Bangladesh Agricultural University	2004	2 Mos. & 10 Days	Communicative English

4.2. Participated at International Workshop/ Symposium

Date	Name of event	Venue
19 th May 2021	International Webinars Series on Plant Science Research	India (online)
18 th March, 2021	General Assembly and the 4 th International Symposium of JSPS Alumni Association of Indonesia (JAAI)	Indonesia (online)
16- 18 th March, 2021	TWAS-ASM Regional Workshop on Science Diplomacy	Malaysia (online)
18 th March, 2021	General Assembly and the 4 th International Symposium of JSPS Alumni Association of Indonesia (JAAI)	Indonesia (online)
27-29 th July, 2015	International Conference on Transcriptomics	Orlando, Florida, USA
13-15 th July, 2015	4 th International Conference on Agriculture and Horticulture	Beijing, China
27-31 th October, 2014	4 th International Rice Congress	Bangkok. Thailand

4.3. Seminar and International Exchanges

I was attended various seminars and international exchanges delivered by many professionals, personnel's, scholars locally and internationally most of which were organized by the GSCAAS, Beijing, China and BRRI, Bangladesh. .

4.4 List of the relevant activities

- (i) Taken part as a resource speaker in the training program of hybrid rice development and seed production technology for scientists, field staff and farmers.
- (ii) Management of field staff & laboratory technicians to guide & assist them for their duties.
- (iii) Supervision of field and green house experiments.
- (iv) Data collection, processing, analysis, interpretation, scientific paper writing, reporting & presenting in different scientific forums.

-
- (v) Assisting to the Senior Scientists for other supporting activities.
 - (vi) Participation in the different scientific forums such as seminar, symposium and workshops.
 - (vii) Planning, development and execution of research programs.
 - (viii) Help M.S. and Ph.D. students and also give them instruction at various scientific works.
-

5.0 Membership of the Professional Associations

- 5.1 Life Member Bangladesh: Krishibid Institution (BKI) and Plant Breeding and Genetics Society of Bangladesh.
- 5.2 General Member: Scientists Society of Bangladesh Rice Research Institute
- 5.3 Member of Alumni: Organization for Women in Science for the Developing World (OWSD), TWAS Science Diplomacy Programme, Bangladesh Agricultural University (BAU), BSMRAU,
- 5.4.: Reviewer: Agronomy for Sustainable Development (ASD) Journal, International Journal of Plant and Soil Science, Current Journal of applied Science and Technology,

6.0 Awards:

- I. PBGSB **Young Scientist Award 2018** conferred by Plant Breeding and Genetics Society of Bangladesh at the 11th Bionial Conference of PBGSB at 28th Dec, 2019
- II. Video interview in Triesty, Italy at 2018 (<https://owsd.net/UNITING WOMEN SCIENTISTS FROM THE DEVELOPING WORLD>).
- III. New Faces of Global Science: OWSD success stories (2018), Italy (<https://owsd.net/sites/default/files/Success%20Stores%20Booklet%202018.pdf>)
- IV. Best Poster Award Winner from 4th International Conference on Agriculture and Horticulture, 13-15th July, 2015 at Beijing, China.
- V. A scholarship for PhD degree was awarded by OWSD (former TWOWS) for the time of December 2011 for next three years.
- VI. A scholarship for MS degree was awarded by Research and Development of Hybrid Rice in Bangladesh Project under Plant Breeding Division of BRRI for the period of July 2007-June 2009.

7.0 Achievement:

Sl	SUBJECT	REMARKS
1	Innovated a Promising Genetic Tool & Constructed RNAi vector for developing dwarf and male sterile rice	From PhD program
2	Taken part as an active member of a scientist group in the varietal development process for BRRI maintainers and restorers,	Hybridization, identification of restorers, evaluation of

hybrid dhan2, BRRI hybrid dhan3, BRRI hybrid heterotic hybrids and development of
dhan4, BRRI hybrid dhan5, BRRI hybrid dhan6 seed production packages for BRRI
and BRRI hybrid dhan7. released hybrid rice varieties.

8.0 Persons to whom a reference may be made

Dr. Md. Jamil Hasan

Principal Scientific Officer
Hybrid Rice Division
BRRI, Gazipur-1701, Bangladesh
Cell: +8801718289331
Email: jamilbrri@yahoo.com

Dr. Md. Abu Bakr Siddique

Director (Administration & Common Service)
BRRI, Gazipur-1701, Bangladesh
Cell: +8801718591857
Email: absbrri63@gmail.com

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

Afsana

(Dr. Afsana Ansari)

List of Publications: 47

(i) Full scientific paper: 24

As Principal- Author: 10

1. **A. Ansari**, C Wang, J Wang, F Wang, P Liu, Y Gao, Y Tang and K. 2017. Engineered Dwarf Male-Sterile Rice: A Promising Genetic Tool for Facilitating Recurrent Selection in Rice. *Frontier Plant Science*. 8:2132. doi: 10.3389/fpls.2017.02132
2. **A. Ansari** and M.S. Hossain. 2015. Yield potential and land-use efficiency of hybrid rice (*Oryza sativa* L) in Bangladesh through suitable spacing and number of plants per hill. *International Journal of Advanced and Innovative Research*.4 (11): 60-65.
3. **A. Ansari**, M.G. Rasul, P.L.Biswas, A.K.Paul and M.H. Rahman. 2010. Genetic variability in maintainer lines of hybrid rice (*Oryza sativa* L). *Bangladesh Journal of Plant Breeding and Genetics*. 23(2):35-40.
4. **A. Ansari**, A.W. Julfikar, M.G. Rasul, M.J. Hasan and M.M. Rahman. 2010. Genetic parameter, correlation and path analysis for yield and yield related traits in some maintainer lines of hybrid rice (*Oryza sativa* L). *Eco-friendly Agriculture Journal*.3 (2):89-95.
5. **A. Ansari**, A.W. Julfikar, M.G. Rasul, R.K. Roy and R.R. Mujumder.2010. Assesment of variability of outcrossing and yield traits in cytoplasmic male sterile lines of hybrid rice (*Oryza sativa* L). *Eco-friendly Agriculture Journal*.3 (2):84-88.
6. **A. Ansari**, M.G. Rasul, A.W. Julfikar, S. Raihan and A. Haque.2009. Genetic diversity in restorer lines of hybrid rice (*Oryza sativa* L). *Annals of Bangladesh Agriculture*. 13(1&2):53-59.
7. **A. Ansari**, M.G. Rasul, A.W. Julfikar, P.L. Biswas and S. Islam. 2009. Estimates of genetic parameter, character association and path analysis in restorer lines of hybrid rice (*Oryza sativa* L). *Annals of Bangladesh Agriculture*. 13(1&2):45-51.
8. **A. Ansari**, M.G. Rasul, A.W. Julfikar, M.M. Rahman and Shamsunnaher.2009. Multivariate analysis in cytoplasmic male sterile lines of rice (*Oryza sativa* L). *Bangladesh Journal of Plant Breeding and Genetics*. 22(2):25-28.
9. **A. Ansari**, M.A. Sattar, F. Ansari, M.S. Hossain and A.B.M. Baki. 2007. Effects of organic farming on soil nutrients content in carrot field. *Bangladesh Journal of Environmental Science*. 13(2):315-320.
10. **A. Ansari**, M.A. Baten, M.A. Sattar, M.S. Hossain and F. Ansari. 2007. Effects of organic farming on nutritional quality of carrot. *Bangladesh Journal of Environmental Science*.13 (1):171-174.

As Co- Author: 16

11. S. M. R. Karim, M. M. Ahmed, **A. Ansari**, M. Khatun, T. B. Kamal and M. S. I. Afrad. 2021. Homestead vegetable gardening as a source of calorie supplement at Ishurdi Upazila, Bangladesh. *ISABB Journal of Food and Agricultural Sciences*. Vol.10(1), pp. 13-20.
12. L F Lipi, M J Hasan, A Akt6r, M R Quddus, P L Biswas, **A. Ansari** and S Aktar. Genetic variation, heritability and genetiadvance in some promising rice hybrids. *SAARC J. Agri*. 18(2): 39-49, 2020.
13. M. J Hasan, M.U. Kulsum, A K. Paul, P. L. Biswas, M.H. Rahman, **A. Ansari**, A. Akter, L. F. Lipi, S.J.Mohiuddin and M Zahid-Al-Rafiq. 2018. Assessment of Variability of Floral

- Characteristics and Out-crossing Rate in CMS Lines of Hybrid Rice. *Bangladesh Rice Journal*. 22 (2):31-39.
14. L. F. Lipi, M. J Hasan, A. Akter, P. L. Biswas, M.U. Kulsum, **A. Ansari** and M.Z. Islam. 2018. Variability Assessment of Different Maintainer Lines of Hybrid Rice Development Based on Qualitative Traits. *Bangladesh Rice Journal*. 22 (2):79-87.
 15. A. Z. M. R. Ahsan, M. S. Hossain, **A. Ansari** and M. R. Alam. 2016. Fault identification of mild steel rod and hollow (steel/aluminium) pipe using finite element program, ANSYS. *International Journal of Advanced and Innovative Research*. 5 (1): 152-158.
 16. R. R. Majumder R. K. Roy, M. A. Kader, T. L. Aditya and **A. Ansari**. 2013. Variability, correlation and path analysis in maintainer lines of aromatic rice for outcrossing traits. *Bangladesh Journal of Crop Science*.
 17. M S Hossain, Mobashwera, A. Z M R. Islam , A Mallik and **A. Ansari**. 2012. An economic analysis for costing of alternative energy sources for small scale use. *Eco-friendly Agriculture Journal*. 5(04):29-35.
 18. M. M. Rahman, A. Hussain, M.A. Syed, **A. Ansari** and M.A.A. Mahmud. 2011. Comparison among Clustering in Multivariate Analysis of Rice Using Morphological Traits, Physiological Traits and Simple Sequence Repeat Markers *American-Eurasian Journal Agricultural and Environmental Science*. 11 (6): 876-882.
 19. M. J. Hassan, M.U. Kulsum, M. S. Hossain, M. M. Billah and **A. Ansari**. 2011. Genotype-location interaction of indica rice using AMMI model. *Bangladesh Journal of Plant Breeding and Genetics* (ISSN: 1026-3071).
 20. F. Ansari, M.A. Hashem, **A. Ansari**, M.A. Alam and A. K. Paul. 2011. Effect of different organic sources of potassium on the growth and yield of transplanted Aman rice (CV BRRI Dhan30). *International Journal of Bioresearch*. 10 (4): 7-13.
 21. M.M.H. Akand, M.N. Islam, **A. Ansari**, M.A. Islam and M.A. Motalib. 2010 Role of rural women in homestead agroforestry in Kalihati Upazila under Tangail District. *International Journal of Bioresearch*. 8(2): 44-50.
 22. M.M. Rahman. **A. Ansari** and M.M. Rashid. 2010. Diversity analysis in rice using GENSTAT and SPSS programs. *The Agriculturists* 8(2): 14-21.
 23. H. Begum, S.M.M Islam, Shamsunnaher, P.L. Biswas and **A. Ansari**. 2010. Effect of different concentration of sucrose on plant regeneration of jute. *International Journal of Bioresearch*. 8 (2): 20-28.
 24. P.L. Biswas, **A. Ansari**, M.U. Kulsum, A. Akter and S. Ghosal. 2010. Study on genetic parameter, character association and path analysis in restorer lines of hybrid rice (*Oryza sativa* L). *Bangladesh Journal of Progressive Science and Technology*. 8(1): 119-122.
 25. K. Hossain, A. Akter, H. Begum, **A. Ansari** and M.M. Rahman. 2009. Line X Tester analysis for yield and its related traits in rice (*Oryza sativa* L). *Bangladesh Journal of Plant Breeding and Genetics*. 22(2): 01-06.
 26. Shamsunnaher, M.A. Gaffar, **A. Ansari**, M.H.R. Mukul and H. Begum. 2009. Effect of explants age on regeneration capacity in kenaf (*Hibicus cannabinas* L.). *International Journal of Bioresearch*. 7 (3): 7-13.

(ii) Books/Monographs/Bulletins: 14

27. A.W. Julfikar, P.L. Biswas, M.J. Hasan, **A. Ansari**. 2010. Prosnore Habrid Dhaner Chasabad Kolakoushal. Hybrid Rice Prokolpa, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
28. ASM Masduzzaman, A. Akter, M.K. Hossain, P.L. Biswas, M.J. Hasan, **A. Ansari**, M.U. Kulsum, M.H. Rahman and A.K. Paul. 2010. Habrid Dhaner Chasabad O Biz Utpadon Kolakoushal. Hybrid Rice Prokolpa, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.Pp-34.
29. ASM Masduzzaman, A. Akter, M. K. Hossain, P. L. Biswas,, M. J. Hasan, **A. Ansari**, M. U. Kulsum, M. H. Rahman and A. K. Paul. 2010. Hybrid Dhaner Chasabad O Biz Utpadon Kolakoushal. Hybrid Rice Prokolpa, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
30. ASM Masduzzaman, M.J. Hasan, P.L. Biswas, M.K. Hossain, **A. Ansari**, A. Akter and A.K. Paul. 2011. Brrri Udvabito Habrid Dhaner Jatshomoher Chas Poddoti. Hybrid Rice Prokolpa, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
31. M. J. Hasan, A. K. Paul, P. L. Biswas, M. U. Kulsum, **A. Ansari**, A. Akter, M. H. Rahman and L. F. Lipi 2018. BRRRI Habrid Dhan2 -er Chasabad poddoti. Hybrid Rice Bivag, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
32. M. J. Hasan, A. K. Paul, P. L. Biswas, M. U. Kulsum, **A. Ansari**, A. Akter, M. H. Rahman and L. F. Lipi 2018. BRRRI Habrid Dhan2 -er Biz Utpadon Projukti/Kolakoushal. Hybrid Rice Bivag, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
33. M. J. Hasan, A. K. Paul, P. L. Biswas, M. U. Kulsum, **A. Ansari**, A. Akter, M. H. Rahman and L. F. Lipi 2018. BRRRI Habrid Dhan3 -er Chasabad poddoti. Hybrid Rice Bivag, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
34. M. J. Hasan, A. K. Paul, P. L. Biswas, M. U. Kulsum, **A. Ansari**, A. Akter, M. H. Rahman and L. F. Lipi 2018. BRRRI Habrid Dhan3 -er Biz Utpadon Projukti/Kolakoushal. Hybrid Rice Bivag, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
35. M. J. Hasan, A. K. Paul, P. L. Biswas, M. U. Kulsum, **A. Ansari**, A. Akter, M. H. Rahman and L. F. Lipi 2018. BRRRI Habrid Dhan4 -er Chasabad poddoti. Hybrid Rice Bivag, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
36. M. J. Hasan, A. K. Paul, P. L. Biswas, M. U. Kulsum, **A. Ansari**, A. Akter, M. H. Rahman and L. F. Lipi 2018. BRRRI Habrid Dhan4 -er Biz Utpadon Projukti/Kolakoushal. Hybrid Rice Bivag, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
37. M. J. Hasan, A. K. Paul, P. L. Biswas, M. U. Kulsum, **A. Ansari**, A. Akter, M. H. Rahman and L. F. Lipi 2018. BRRRI Habrid Dhan5 -er Chasabad poddoti. Hybrid Rice Bivag, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
38. M. J. Hasan, A. K. Paul, P. L. Biswas, M. U. Kulsum, **A. Ansari**, A. Akter, M. H. Rahman and L. F. Lipi 2018. BRRRI Habrid Dhan5 -er Biz Utpadon Projukti/Kolakoushal. Hybrid Rice Bivag, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
39. M. J. Hasan, A. K. Paul, P. L. Biswas, M. U. Kulsum, **A. Ansari**, A. Akter, M. H. Rahman and L. F. Lipi 2018. BRRRI Habrid Dhan6 -er Chasabad poddoti. Hybrid Rice Bivag, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.
40. M. J. Hasan, A. K. Paul, P. L. Biswas, M. U. Kulsum, **A. Ansari**, A. Akter, M. H. Rahman and L. F. Lipi 2018. BRRRI Habrid Dhan6 -er Biz Utpadon Projukti/Kolakoushal. Hybrid Rice Bivag, Bangladesh Dhan Gobeshona Institute, Gazipur-1701.

(iii) Full paper on international conference: 1

41. M. H. U. Ahmed, J Hasan, A K. Paul, P. L. Biswas, U. Kulsum, **A. Ansari**, A. Akter, H. Rahman. Country report: hybrid rice in Bangladesh. Proceedings of the 6th International Hybrid Rice Symposium, September 10-12, 2012. Hyderabad, India. 10: 1-8

Abstract on international conference: 4

42. **A. Ansari**, M. S. Hossain and M. J. Hassan. Breeding programs for locally developed hybrid rice and present scenario in Bangladesh. *Agrotechnol.* 2015. 4 (2): 97. [dx.doi.org/10.4172/2168-9881.S1.016](https://doi.org/10.4172/2168-9881.S1.016).
43. **A Ansari**, C Wang, J Wang, F Wang, P Liu, Y Gao, and K. Zhao. Dwarf and male sterile rice: a new breeding tool developed by RNA interference. Proceedings of the 7th International Crop Science Congress, August 14–19, 2016. Beijing, China. 36p
44. M. S. Hossain, **AAnsari** and M. Li. Bangladesh is falling endanger in food insecurity by shifting single seasonal rice due to change of rain fall. Proceedings of the 7th International Crop Science Congress, August 14–19, 2016. Beijing, China.
45. **A. Ansari**, C Wang, J Wang, F Wang, Y Gao and K. 2017. Construction of RNAi vector to silence *osGA20ox2* and *osEAT1/osRTS* gene. 11th Bional Conference of PBGSB, December 28-29, 2019. ACI Centre, Dhaka, Bangladesh. 11: 90.

Poster on international conference: 1

46. **A. Ansari**, M. S. Hossain and M. J. Hassan. Breeding programs for locally developed hybrid rice and present scenario in Bangladesh. 4th International Conference on Agriculture and Horticulture. July 13-15, 2015. Beijing, China.

Article on Newspaper: 1

47. M. S. Hossain and **A. Ansari**. Food culture in Beijing. Weekend Independent. Daily Independent. Friday 15 July, 2016