

Curriculum vitae

Personal information

Name : Mahmuda Khatun
Mailing address : Principal Scientific Officer, Plant Breeding Division, Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh
E-mail: mahmudabri@yahoo.com
Permanent address : Vill. Sabgram Post. Sabgram Police Station.+ Dist. Bogra-5800 Bangladesh
Date of birth : 01.01.1973
Nationality : Bangladeshi
Sex : Female
Marital status : Married

Educational qualification:

| Name of the examination | Year of Passing | Subjects | Board/ University | Division/ Class |
|---------------------------------------|-----------------|---|--|-----------------|
| Secondary School Certificate (S.S.C) | 1987 | Bengali, English, Physics, Chemistry, Biology, Math, Higher Math | Rajshahi | First |
| Higher. Secondary Certificate (H.S.C) | 1989 | Bengali, English, Physics (1&2 part), Chemistry (1&2 part), Biology (1&2 part) Math, Higher Math | Rajshahi | First |
| Bachelor of Agriculture | 1997 | Biochemistry, Organic chemistry, analytical chemistry, Physical chemistry, Agronomy, Genetics and Plant Breeding, Soil Science, Horticulture, Entomology, Pathology, Biology, Crop Botany, Statistics | Bangladesh Agricultural University (B.A.U) | First class |
| Master of Science (M.S.) | 1999 | Genetics, Plant Breeding, Cytology, Biotechnology, Cytogenetics | Department of Genetics and Plant Breeding, BAU | Grade A |
| Ph.D | 2006 | Division of Natural Science and Ecological Awareness | Nara Women's University | Obtained |

Training

| LOCAL TRAINING | | | | | | |
|--|--|-----------|------------|------------|-------|------------------------|
| Course Title | Institution | *Location | Period | | Grade | Position |
| | | | From | To | | |
| Rice production, Communication and Office management | BIRRI | Gazipur | 12.07.1999 | 09.09.1999 | A+ | |
| Foundation training course for NARS scientists | BARD | Comilla | 08.07.2001 | 21.10.2001 | | Successfully completed |
| Breeder seed production and preservation techniques of rice | BIRRI | Gazipur | 18.06.2002 | 20.06.2002 | | Successfully completed |
| Hybrid Rice Development and Seed Production | BIRRI | Gazipur | 12.11.2006 | 16.11.2006 | | Successfully completed |
| Conservation and Utilization of Plant Genetic Resources | BARI | Gazipur | 19.03.2007 | 22.03.2007 | | Successfully completed |
| GSR-Hybrid Rice Seed Production Training Course | BIRRI | Gazipur | 02.03.2011 | 03.03.2011 | | Successfully completed |
| FOREIGN TRAINING | | | | | | |
| Course Title | Institution | Country | Period | | Grade | Position |
| | | | From | To | | |
| GCP Training Workshop on Marker-assisted Breeding for Bangladesh | BIRRI | Gazipur | 18.11.08 | 27.11.08 | - | Successfully completed |
| Plant Molecular Breeding Training Workshop | Chinese Academy of Agricultural Science (CAAS) | China | 13.11.12 | 27.11.12 | - | Successfully completed |

Working experience:

1. Working as a Scientific Officer on crop quality in Bangladesh Rice Research Institute, Gazipur, Bangladesh from February 1999- January 2001.
2. Working as a Scientific Officer on Varietal development (Participated in the development of rice varieties) in Bangladesh Rice Research Institute, Gazipur, Bangladesh from February 2001- January 2006.
3. Working as a Senior Scientific Officer on Varietal development (Participated in the development of rice varieties) in Bangladesh Rice Research Institute, Gazipur, Dhaka,

Bangladesh from February 2006- February 2011.

4. Working as a Senior Scientific Officer in Regional Station Kushtia in Bangladesh Rice Research Institute from March 2011- December 2014.
5. Working as a Principal Scientific Officer on Varietal development (Participated in the development of rice varieties) in Bangladesh Rice Research Institute, Gazipur, Bangladesh from January 2015- Continue.

Language skill:

Graduation degree was taken in English. Bengali is mother tongue. Japanese language is fair in speaking, reading and writing.

LIST OF ALL PUBLICATIONS (22)

(a. i) Scientific Journals (18)

As Principal author (7)

1. **Khatun, M.**, A.K.M. Shamsuddin, M.S.A. Fakir, M.A. Siddiquee, A.A.Mahbub and B. Prasad. 2000. Genetic Diversity among some wheat varieties/lines. Bangladesh J. Environ. Sci.6 (2): 497-500.
2. **Khatun, M.**, A.K.M. Shamsuddin and M.S.A. Fakir. 2002. Effect of Source-Sink manipulation on some important sink characters in bread wheat (*Triticum aestivum* L.). Bangladesh J. Pl. Breed. Genet. 15(2): 29-33.
3. **Khatun, M.** , M. A. Rahman, S. Khatun, K.M. Akter and H. Hossain. 2006. Genetic variability, character association and path coefficient analysis in wheat The Agriculturists. 4 (1 & 2): 41-46.
4. **Khatun, M.**, Eguchi, S., Yamaguchi, T., Takamura, H., and Matoba, T. 2006. Effect of Thermal Treatment on Radical-scavenging Activity of Some Spices. Food Sci. Technol. Res.,12 (3):178-185.
5. **Khatun, M.**, T.L. Aditya, M. A. Rahman, K. M. Iftekharuddaula and M. A. salam.2010. Stability analysis of advanced breeding lines of premium quality rice genotypes (*Oryza sativa* L.). Intl. J. BioRes. 8 (2): 1-5.
6. **Khatun, M.**, P.S. Biswas, M. A. Hossain, M. K. Hossain and H. Begum. 2010. Genetic variability, character association and path coefficient analysis of rice genotypes (*Oryza Sativa* L.). Intl. J. BioRes. 9 (3): 36-40.
7. **Khatun, M.**, S. Ghosal, M. R. Hasan, R. R. Majumder and H. Begum. 2011. Correlation and Path Coefficient Analysis of Rice Genotypes (*Oryza Sativa* L.). Eco-friendly Agril. J. 4 (12): 768-773.

As co-author (11)

8. Siddiquee, M. A., S.K. Biswas, A.A. Mahbub and **M. Khatun**. 2002. Studies on morphological and physicochemical properties of local improved Aus rice of Bangladesh. Bangladesh J. Biochem. 8:23-30.
9. Rahman, M. A., H. Hossain, M. A. Hossain, M. K. Hossain and **M. Khatun**.. 2006. Genotypic response to environment and stability appraisal in tomato. The Agriculturists. Vol. 4(1 & 2). 59-66.
10. M. A. Hossain, K.M. Akhter, M. A. Salam, **M. Khatun** and M. E. Hoque. 2007. Yield stability of some T. Aus genotypes. Bangladesh J. Prog. Sci & Tech. 5 (1).173-176.
11. M.A Salam, T.L.Aditya, S.Khondker and **M.Khatun**. 2008. Aroma inheritance of aroma in Bangladesh premium quality rice (*Oryza sativa* L.). Bangladesh J. Pl. Breed. Genet. 21 (2).57-59.
12. H. Begum, M. S. Ahmed., **M .Khatun**, A Akter and M. K. Hossain. 2009. In vitro regeneration performance of *corchorus* species. Eco-friendly Agril. J. 2 (3). 490-493.
13. H. Begum, **M .Khatun**, M. A. Siddique, A Akter and M. K. Hossain. 2009. Influence of different concentration of surfactants of plant regeneration from cotyledons of *corchorus olitorius*. Eco-friendly Agril. J. 2 (4). 499-503.
14. Hossain, K., A. Akter, H. Begum, **M. Khatun** and A. S. M. Masuduzzaman. 2009. Genetic Diversity and its association with heterosis in rice (*Oryza sativa* L.). Bangladesh J. Pl. Breed. Genet. 22 (2): 39-46.
15. Aditya, T.L, M.A. Salam, H.U. Ahmed , **M. Khatun**, A. A. Mahbub, A.K.G.M.E. Hoque, M. A. Kader, K. M. Iftekharuddaula, M. R. Islam and A. R. Bhuiyan. 2010. BRRI dhan49: A complementary variety to BR11 and supplementary variety to BRRI dhan32 in rainfed low land rice environment. Bangladesh Rice J, Vol 15.
16. Ghosal, S., P. L. Biswas, **M. Khatun** and S. Khatun. 2010. Genetic Variability and character association in irrigated rice (*Oryza sativa* L.). Bangladesh J. Pl. Breed. Genet. 23 (2): 23-27.
17. Ghosal, S., M. A. Syed, **M. Khatun**, P. L. Biswas, and T. L. Aditya. 2012. Evaluation of selection criteria in premium quality rice genotypes through genetic variability, character association and path analysis. Bangladesh Rice J, Vol 16. 59-62.
18. Majumder, R. R., R. K. Roy, **M. Khatun**, T. K. Hore, K. Nahar and U. K. Majumder.2014. Study on outcrossing traits of some aromatic restorer lines of hybrid rice. Eco-friendly Agril. J. 7 (10): 110-114.

(a. ii) Short Communication (1)

19. Aditya, T.L, M, A, Salam, H, U, Ahmed, M, R, Islam, A. R. Bhuiyan, P. S. Biswas and **M. Khatun**. 2009. BRRI dhan46: A variety for late planting in the flood-prone environment of Bangladesh. Bangladesh Rice J. 14 (1&2): 181-182.

(a.iii) Books/Monographs/Bulletins

(i) Books (2)

As principal author

20. **Khatun, M.**, A.K.M. Shamsuddin and M.S.A. Fakir.1999. Evaluation of Wheat germplasm based on Source-Sink Characters. M. S. Thesis in Genetics and Plant Breeding. Bangladesh Agriculture University, Mymensingh-2202.
21. **Khatun, M.**, T. Matoba and H. Takamura. 2006. Studies on effects of thermal treatment on Radical-scavenging activity of spices. Ph. D. Thesis. Nara Women's University. Japan.

(a.iv) Seminar/Workshop/ Symposium Proceedings (1)

22. Salam, M.A., S. Khatun, H. U. Ahmed, T. L. Aditya, P. S. Biswas. M. A. R. Bhuiyan, M. A. Rahman and **M. Khatun**. 2006. Progress of Stopgap Variety Development and Premium Quality Rice Improvement. Paper presented in the HYV workshop, BRRI, 19-21 September, 2006.