Curriculum vitae
Md. Hafizar Rahman

Introduction

Personal Data

First name(s): MD. HAFIZAR

Surname(s): RAHMAN

Father's name : Md. Hyder Ali

Mother's name : Most. Joshna Ara Begum

Permanent Address : Village : Shishi

Upazila : Khetlal

District : Joypurhat

Present Address :

Scientific Officer, Hybrid Rice Division, Bangladesh Rice Research Institute, Joydebpur, Gazipur-1701, Bangladesh.
Telephone:+9257401-5, Ex-258 (Res), 561 (Office),
Mobile-01712799943, Email:hafijar_07@yahoo.com

1.2 Current Position :
14 September, 2006 to till

Scientific officer, Hybrid Rice Division, Bangladesh Rice Research Institute, Joydebpur, Gazipur-1701.

1.3 Educational Carrier:

Degree/Certificate	Class/Grade/Division	University/Institute/Board	Year
MS in Genetics and Plant Breeding	GPA 3.17 out of 4 (84%)	Bangobandhu Sheikh Mujibur Rahman Agricultural University , Salna, Gazipur	2010
MS in Agronomy	Upper Second Class (72.16%)	Bangladesh Agricultural University, Mymensingh	2003
B. Sc. Ag (4 yrs Degree)	2nd Class (58.00%)	Bangladesh Agricultural University, Mymensingh	1998 (Held, 2001)
HSC (Science) (2 yrs)	1st Division (60.15%)	Rajshahi	1994
SSC (Science) (10 yrs)	1st Division (75.10%)	Rajshahi	1992

1.4 Training Received:

(a) In Country:

Organization	Year	Duration		Name of programme
		Mos.	Days	
i)SID/DANIDA, SEED WING, MOA	2005	05	-	i) Training course on Hybrid Rice Seed production
ii) Bangladesh Rice Research Institute, Gazipur 1701,	2006	-	05	ii) Hybrid Rice Development and Seed production
iii)Bangladesh Rice Research Institute, Gazipur 1701,	2011	-	02	iii) GSR-Hybrid Rice Seed Production Training Course
iv) ESCAP	2011	-	14	iv)Genetic theory of hybrid rice breeding
v) ESCAP	2011	-	20	v)Integrated techniques of hybrid rice seed production

(b) Abroad:

Country	Year	Duration		Name of programme
		Mos.	Days	
i) China.	2006	-	07	i) Training course on Hybrid Rice Seed production technology
ii) China.	2008	04	-	ii) Training Course on "Hybrid Rice Technology for Developing Countries"

2. LIST OF PUBLICATIONS

2.1 Scientific Journals (27)

As Principal author (8)

1. **Rahman M. H. ;** M. H. Ali; M. M.Ali and M. M. Khatun.2006. Effect of different level of nitrogen on growth and yield of transplant *aman* rice cv BRRI dhan32. *Int. J. Sustain. Crop Prod. 2 (1):28-34. (February 2007).*
2. **Rahman M. H.** , M. M. Khatun , M. U. Kulsum, M. J. Hasan. Influence of transplanting time of cytoplasmic male sterile (CMS) line with respect to restorer line on hybrid rice seed production. *Intl. J. BioRes. 4(5):20-23 (May, 2008).*
3. **Rahman M. H.,** M. M. Khatun, A. K. M. S. H. Chowdhury, M. A. A. Mamun and M. M. Ali. Effect of number of seedling on growth and yield of BRRI dhan32.*Intl. J. BioRes. 2(2):23-29 (April, 2007).*
4. **Rahman M. H.,** M. M. Khatun, M. A. A. Mamun M. Z. Islam and M. R. Islam. Effect of number of seedling hill^{-1} and nitrogen level on growth and yield of BRRI dhan32. *J.*

Soil.Nature. 1(2):1-7. (July, 2007).

5. **Rahman M. H.,** M. H. Ali, A. K. Paul, M. M. Khatun and M. A. Mannan. Growth analysis of some advance lines of hybrid rice.*Intl. J. BioRes. 7(4):80-84 (October, 2009).*
6. **Rahman M. H.,** M. H. Ali, M. M. Khatun,M. J. Hasan and M. A. Monsur. Evaluation of exotic advance hybrid rice lines with check varieties in Bangladesh condition.*Eco-friendly Agril. J. 3(4):214-217,2010 (April).*
7. **Rahman M. H.,** M. H. Ali, M. J. Hasan, M. U. Kulsum and M. M. Khatun,. Outcrossing rate in row ratio of restorer and CNS lines for hybrid rice seed production. *Eco-friendly Agril. J. 3(5):233-236, 2010 (May).*
8. **Rahman M. H.,** M. M. Khatun, M. S. R. Khan, M. A. K. Mian and Golm Rasul. Effect of GA3 and row ratio of restorer (R) and CMS lines (A) on different characters and seed production of BRRI Hybrid dhan2. Bangladesh J. Agril. Res. 37(4) : 665-676, December-2012.

***As co-author* (19)**

1. Ahamed F., **M. H. Rahman,** A. Haque, M. A. Islam, amd M. L. Das. Callus induction and plant regeneration in *Brassica Spp*. Through in vitro culture. *Eco-friendly Agril. J. 3(4):210-213, 2010 (April).*
2. Islam S. S, **M. H. Rahman,** M. U.Kulsum, M. M. Khatun and M A A Khan. Efficacy of fungicidal in controlling Alternaria blight of radish seed crop. *Int. J. BioRes. 3(4):20-26 (October, 2007).*
3. Islam S. S., **M. H. Rahman,** M. J. Hasan, M. Ashadusjaman and M. M. Khatun. Efficacy of fungicidal seed teratment in controlling *Alternaria spp*. in radish seed. *Int. J. Sustain. Crop Prod. 2 (5): 46-50. (November, 2007).*
4. Rahman M., M. M. Islam, R. K. Roy, **M. H. Rahman** and S. A. Rezvi. Multivariate analysis of maize. *Int. J. BioRes. 8(61):59-64 (January, 2010).*
5. Khatun M. M., N. Sultana, **M. H. Rahman** and M. Ashadusjaman. Effect of blanching time on nutritional quality of bush bean at different pod age stages.*Int. J. Soil. Nature (1):15-20 (March 2007).*
6. Khatun M. M., N. Sultana, **M. H. Rahman,** M. A. A. Mamun and M. M. Hossain. Effect of freezing on nutritional quality of bush bean at different pod age stages. *Int. J. Sustain. Crop Prod. 2 (2):10-15. (May, 2007).*
7. Islam M. Z., M. A. Baset mia, A. Akter and **M. H. Rahman.** Biochemical attributes of mutant rice under different saline levels. *Int. J. Sustain. Crop Prod. 2 (3):17-21. (August, 2007).*
8. Arifuzzaman M, M. P Ali, B. K Biswas M Shah-E-Alam and **M. H. Rahman**. Study of genetic divercence in groundnut (Arachis hypogaea L).*Intl. J. BioRes. 3(6):37-42 (December, 2007).*
9. Khatun M. M., N. Sultana, **M. H. Rahman** M. M. Hossain and A. K. M. A. Islam. Effect of pod age on nutritional value bush bean genotypes. *Eco-friendly Agril. J. 2(11): 901-904, 2009 (November).*
10. Kulsum M U, M. H Ali, M. J. Hasan, **M. H. Rahman** and A. W. Julfiquar. Performance

of some hybrid rice in local condition of Gazipur. *Eco-friendly Agril. J. 2(6): 600-606, 2009 (June).*

11. Debnath N .R., M. G. Rasul, M. M. H. Sarker. **M. H. Rahman** and A. K. Paul. Genetic divergence in buck wheat (*Fagopyrum esculentum Moench*). *Int. J. Sustain. Crop Prod. 3 (2):60-68. (February 2008).*
12. Kulsum M. U, M. J. Hasan, K. M. Hossain, **M. H. Rahman,** and A. Akter. Floral characteristics of some CMS lines and their corresponding maintainer. *Eco-friendly Agril. J. 3(3):145-149, 2010 (March).*
13. Hasan M. J. M. U. Kulsum, **M. H. Rahman,** A. Akter and S. H. Bulbul. Diversity studies of 32 maintainer lines of hybrid rice (*Oryza sativa* L). *Eco-friendly Agril. J. 3(3):150-153, 2010 (March).*
14. Hasan M. J. M. U. Kulsum, **M. H. Rahman,** A. Akter and A. K. Shamsuddin. Multivariate analysis in pollen parent (restorer line) of hybrid rice (*Oryza sativa* L*). Bangladesh J. Pl. Breed. Genet. 22(1). (in press).*
15. Hasan M. J. M. U. Kulsum, **M. H. Rahman,** A. Akter and M. K. Hossain. Characterization of floral traits of BRRI developed component lines of hybrid rice. *Bangladesh J. Pl. Breed. Genet. 22(1)*. (in press).
16. Kulsum M. U, M. J. Hasan, H. Begum, M. M. Billah and **M. H. Rahman**. Genetics diversity of some restorer lines for hybrid rice development. Bangladesh J. Agril. Res. 36(1) : 21-28, March-2011.
17. A. Ansari, M. G. Rasul, P. L. Biswas, A. K. Paul and **M. H. Rahman**. Genetic variability in some maintainer lines of hybrid rice. *Bangladesh J. Pl. Breed. Genet. 23(21)*: 35-40, 2010.
18. M. J. Hasan, Kulsum M. U, **M. H. Rahman,** M. M. H. Chowdhury and A. Z. M. K. A. Chowdhury. Genetics diversity analysis of parental lines for hybrid development in rice (Oryza sativa L.). Bangladesh J. Agril. Res. 37(4) : 617-624, December-2012.
19. M. S. R. Khan, M. Samsuddoha, M. M. Khatun and **M. H. Rahman**. Correlation and path analysis of different traits in various component lines of hybrid rice. *Eco-friendly Agril. J.5(10):193-201, 2012 (October).*

2.2 Seminar/ Workshop/ Symposium Proceedings

National

1. Julfiquar, A. W, Md. Jamil Hasan, Umma Kulsum, **Md. Hafizar Rahman**, and M. Hazrat Ali. 2009. Development of Hybrid of rice in public sector research. In: Hybrid seed in Food security. Proceedings of the Bangladesh Conference and Fair. Bangladesh- China Friendship Conference. Dhaka, 28-30 April., 2009 (in English).

3.Thesis:

i. Hybrid seed production in BRRI Hybrid dhan2 at different GA3 and Row ratio levels.

ii. Effect of number of seeding per hill and level of nitrogen on the growth and yield of transplant Aman dhan32

4. Research activities:

4.1 List of Research Programme Executed:

i. Determination of suitable row ratio and spacing for increasing seed yield in hybrid rice seed production.

ii. CMS seed multiplication of BRRI IA and IR58025A lines

iii. Seed multiplication of newly developed and promising CMS line

iv. F_1 Hybrid seed production of BRRI hybrid dhan1

v. F1 seed production of promising hybrids

vi. Nucleus seed production of A, B and R lines of promising hybrids (BRRI 1A/BR827R)

vii. CMS seed multiplication of Promising IA lines

viii. Effect of different doses and time of GA_3 application on hybrid rice seed production of promising hybrids

ix.Determination of seeding interval of A and R line for hybrid seed production.

x. Evaluation of exotic hybrids rice were grown during boro season

xi. Establishment of crossing block for nucleus seed production

xii. Demonstration plots of rice hybrids and its parental materials

xiii. F_1 Hybrid seed production of BRRI hybrid dhan2

4.2 Relevant Activities

(i) Taken part as a resource speaker in the training program : Hybrid rice development and seed production technology for scientists, field staff and farmers.

4.3 Achievement

(i) Taken in the varietal development process for BRRI hybrid dhan2, BRRI hybrid dhan3 and BRRI hybrid dhan4 Hybridization, identification of suspective maintainers and restorers, evaluation of heterotic hybrids and development of seed production packages for BRRI hybrid dhan2, BRRI hybrid dhan3 and BRRI hybrid dhan4.

5. Professional Activities

5.1 Proessional Membership

i. Life member, Seed Science Society.
ii. Member, Plant Breeding and Genetics society of Bangladesh.
iii. Member, Krishibid Institution of Bangladesh, Dhaka, Bangladesh.
iv. Member,Botany Society

Referees

1. Dr. Md. Jamil Hasan Head & Principal Scientific Officer Hybrid Rice Division Bangladesh Rice Research Institute Gazipur-1701, Bangladesh E-mail: jamilbrri@yahoo.com	2. Dr. Md.Golam Rasul Professor, Bangobandhu Sheikh Mujibur Rahman Agricultural University, Salna, Gazipur.

(Md. Hafizar Rahman)

Appendix-1

Degree	Major/Subjects Studied
Master of Science (MS) in Genetics & Plant Breding	Plant Breeding, Genetics, Molecular breeding, Breeding Field Crops,Cytogenetics, Advanced Plant Breeding, Plant Genetics Resource,Plant Tissue Culture, Research Methodology and Principle Crop Production.
Master of Science (MS) in Agronomy	Soil fertility management in crop production, Water management in crop production, Agronomic research methodology, Stress agronomy, crop land Agroforesty, Fodder production and pasture management,Advanced crop husbandary, Crop yield process, Seed technology, Weed management, Environmental magronomy and production management of minor crop.
Bachelor of science in Agriculture (BSc Ag)	Horticulture, Agronomy, Soil science, Agricultural Chemistry, Biochemistry, Organic Chemistry, Farm Mechanics, Genetics and Plant Breeding, Agricultural Statistics, Crop Botany, Entomology, Plant Pathology, Agricultural Statistics, Agricultural Economics, Animal Husbandry , Rural Sociology.
Higher Secondary Certificate (H. S. C.)	Bengali, English, Physics, Chemistry, Mathematics and Biology.
Secondary School Certificate (S. S. C.)	English, Bengali, General Mathematics, Geography, General Science, Religious Studies.