

CURRICULUM VITAE OF MOHAMMAD KHALEQUZZAMAN

- 01 (a) Name : **Mohammad Khalequzzaman**
 (b) Father's name : (Late) Mofizuddin Ahmed
 (c) Mother's Name : (Late) Fazilatunnessa
- 02 Address :
 (c) Permanent Address : Vill: Harishangan, PO: Chandanpur, PS
 Belabo, Dist: Narsingdi Bangladesh
 (d) Present Address : Chief Scientific Officer and Head
 Genetic Resources and Seed Division
 Bangladesh Rice Research Institute
 Gazipur-1701
 Bangladesh
- 03 Nationality : Bangladeshi
- 04 Marital status : Married
- 05 Date of birth : 5th April 1967



6. Educational Qualification :

Name of Examination	Year of passing	University/Board	Group/Major Subject
Post PhD	2013	University of Portsmouth, UK	Molecular Biology
PhD	2003	University of Southampton, UK	Plant Biotechnology
MS	1996	IPSA, Gazipur-1706, Bangladesh	Genetics and Plant Breeding
B.Sc. Ag. (Hons.)	1988	Bangladesh Agricultural University	Agriculture
H.S.C.	1984	Dhaka Board, Bangladesh	Science
S.S.C.	1982	Dhaka Board, Bangladesh	Science

7. Additional qualifications/Training acquired in Bangladesh and/or abroad (19)

(a) In Country (12)

Organization	Year	Duration		Name of Programme
		Mos.	Days	
Bangladesh Rice Research Institute (BRRI), Bangladesh, Gazipur	1994-95	2 Months	(3rd December 1994 to 31st January 1995)	Training course on Rice production, applied research, communication and administration
International Rice Research Institute (IRRI) and BRRI, Gazipur	1995	--	6 days. (From 2 to 7 November 1996)	Training course on field collection and conservation of rice germplasm
International Rice Research Institute (IRRI) and BRRI, Gazipur	1997	--	13 days. (From 21 November to 3 December 1997)	Training course on documentation and data management for genetic

Bangladesh				resources
Bangladesh Rice Research Institute (BRI), Bangladesh	2005	-	2 days (20-22 November 2005)	Training course on Breeder Seed Production and Preservation of rice
International Maize and Wheat Improvement center (CIMMYT) and BRI, Gazipur	2006	-	2 Days (8-9 May 2006)	Training course on AWhere-ACT and GIS based Bangladesh Country Almanac
Bangladesh Academy for Rural Development, Comilla	2007	-	14 days (5-18 March 2007)	Training course on Administrative and financial management
International Rice Research Institute (IRRI) and BRI, Gazipur	2010	-	3 days (23-25 February 2010)	Training course on Green Super Rice-Hybrid Rice Seed Production
International Rice Research Institute (IRRI) and BRI, Gazipur Bangladesh	2010	-	8 days (9-16 May 2010)	Training course on Quality Rice Seed Production
Bangladesh Rice Research Institute (BRI), Bangladesh	2011	-	14 days (25 April -8 May 2011)	Training course on Genetic theory of Hybrid rice breeding
Bangladesh Rice Research Institute (BRI), Bangladesh	2011	-	3 days (18-20 June 2011)	Training course on Breeder Seed Production and Preservation of rice
Bangladesh Agricultural Research Council, Farmgate, Bangladesh	2011	-	5 days (13-17 February 2011)	Technical Report writing and editing
Bangladesh Rice Research Institute (BRI), Bangladesh	2013	-	Five days (27-31 January, 2013)	Implication of Molecular tools in crop improvement under stress environment
Agricultural Research Council, Farmgate, Bangladesh	2018	-	Two days (19-20 November, 2018)	Training course on collection and documentations of Plant Genetic Resources
Agricultural Research Council, Farmgate, Bangladesh	2019	-	Two days (2018-19 November, 2019)	Training course on Global plan of action collection and documentations of Plant Genetic Resources

(b) Abroad (07)

Country	Year	Duration		Name of Programme
		Mos.	Days	
Bangkok, Thailand	2017		05-14 February 2017	Training workshop on Germplasm and genebank Management System
RDA, Jeonju, South Korea	2016		18 -28 April 2016	International Training Workshop on Germplasm Management System
Yuang Longping High-Tech Agriculture Co. Ltd, Hunan, China	2011	-	20 days (From 16 November to 5 December 2011)	Training on seminar on Hybrid Rice for Bangladesh
Belgium, Institute for Plant Biotechnology for Developing Countries of Ghent University	2005	-	12 days (From 8-19 August, 2005)	Training course on Biosafety assessment and regulation of Agricultural Biotechnology
Philippines (International Rice Research Institute (IRRI),	1997	--	28 days. (From 13 September to 10 October 1997)	Training course on Genebank Management and Conservation
Philippines (Philippine Rice Research Institute.)	1997	--	5 days. (From 17 to 21 March 1997)	Training course on Hybrid Rice Seed production
Philippines (Philippine Rice Research Institute.)	1997	1	3 days. (From 1st March to 2nd April, 1997)	Training course on Rice Breeder Seed production and variety maintenance.

8. Professional Experience

Name(s) of employing organization	Designation	Date of joining	Date of leaving	Total Yr/ Mo	Nature of duties actually performed specify teaching /research / administration /management etc.
Bangladesh Rice Research Institute (BRRI), Gazipur	Scientific Officer (Direct recruitment)	21-11-1994	27-02-2000		Programming, execution, monitoring and evaluating of various activities related to rice genetic resources and conducted seed technology research. Worked as a researcher for varietal development of rice; Collection, characterization,

					Breeder Seed production and documentation of rice genetic resources; Technology transfer, research management etc
Bangladesh Rice Research Institute (BRRI), Gazipur	Senior Scientific Officer (Promotion)	28-02-2000	15-10-2005		Engaged in development and management of Genetic Resources and Seed programs of the Institute as well planning execution, monitoring, evaluation, and coordination of various activities related to rice genetic resources and seed technology research. Identification of locally adapted varieties through different projects. Technology transfer, research management, and part-time trainer at the Institute and other organizations. Actively involved for the development of modern rice varieties. Served as the acting Project Director of Genebank in two times.
Bangladesh Rice Research Institute (BRRI), Gazipur	Principal Scientific Officer (Direct recruitment)	16-10-2005	23-08-2013		Development of modern rice varieties; Administrative and financial management of the GRS Division and different projects. Genebank management and utilization of germplasm. Planning execution, monitoring, evaluation, and coordination of various activities related to rice genetic resources and seed technology research. Identification of locally adapted varieties through different projects. Technology transfer, research management, and part-time trainer at the Institute and other GO, NGO, PS organizations. Severed as the Project Director of Breeder Seed project.

Bangladesh Rice Research Institute (BRRI), Gazipur	Chief Scientific Officer	24-08-2013	To date	<p>Serving as the Head of the Division.</p> <p>Development of modern rice varieties; Administrative and financial management of the GRS Division and different projects. Act as the curator as well as manager of the Genebank, BRRI.</p> <p>Engaged in development and management of Genetic Resources and Seed programs of the Institute as well planning execution, monitoring, evaluation, and coordination of various activities related to rice genetic resources and seed technology research.</p> <p>Identification of locally adapted varieties through different techniques under different projects. Technology transfer, research management, and part-time trainer at the Institute and other GO, NGO, PS organizations. Operating Rice SeedNet work where more than 1000 partners are involved for quick dissemination of Rice seed from Breeder seed to certified seed.</p>
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9. Relevant Experience

- Serving as the Head of Genetic Resources and Seed Division of Bangladesh Rice Research Institute
- Acting as the Principal investigator of Multiplication, Processing and packaging of Nucleus / Breeder seeds of high zinc rice, Funded by IFPRI, HarvestPlus, Bangladesh
- Acting as the Institutional Focal Point for Global Plant of Action for the plant Genetic Recourses for Food and Agriculture
- Acting as Principal investigator of the project Collection, characterization and promotion of rice, chili, cucumber and melon in Bangladesh, Funded by AFACI, South Korea
- Running national level “Rice Seed Network” for quick dissemination of Rice seed to the doorstep of farmers where more than 1000 (one thousand) GOs, NGOs and private seed entrepreneurs are involved all over the country.

- Acting as the Principal investigator of Characterization of important Plant Genetic Resources of Bangladesh, BRRI component, Funded By NAPT Phase II, BARC, Bangladesh
- Acting as Principal investigator of the project Exploration, Collection and conservation of rice landraces in Bangladesh, Funded by Global Crop Diversity Trust, Bonn, Germany.
- Acted as the Principal investigator of Characterization of important Plant Genetic Resources of Bangladesh, BRRI component, Funded By NAPT Phase I, BARC, Bangladesh
- Acted as Project Director of Strengthening of Rice breeder seed production and maintenance of nucleus stocks.
- Successfully completed DFID Breeder Seed Production Programme for Sustainable Rice seed Network 2003-2004 as Coordinator and deputy Coordinator.
- Served as Project Director and actively involved for the management of the GOB project “Expansion of Rice Genebank and Conservation facilities” , BRRI, Bangladesh
- Involved with management activities of the GOB program “Additional Rice Seed Production program during T. Aman and Boro seasons during 2005-2006.”
- Preparation of programs and presented to Program area meeting on behalf of Division since my joining at BRRI.
- Acted as a deputy of National coordinator of the PETRRA sub-project “Rice Diversity and Production in the Southwest of Bangladesh: Using Diversity and Local knowledge to create Sustainable Livelihoods in the coastal Area of Bangladesh“ implemented by BRRI, IRRI, IARD, CDP and 15 local NGOs of Khulna, Bagerhat, Jessore and Satkhira during 2003-2004.
- Acted as the collaborative researcher of the PETRRA sub-project “Rice Seed Network” implemented by Genetic Resources and Seed Division of BRRI with the 54 GO, NGO and private seed entrepreneurs all over the country during 2003-2004.
- Acted as the collaborative researcher of the BRRI-CARE RVCC Project funded by CIDA on the "Identification of Rice Varieties for Water Logged Situation in Southwest of Bangladesh" with 5 local NGOs since 2003-2006.
- Acted as the collaborative researcher of "Agricultural Services Project (seed component)" of BRRI funded by WB/ODA/Bangladesh during 1994-1998.

Acted as the collaborative researcher for “Safeguarding and preservation of biodiversity in rice gene pool” IRRI/BRRI funded project during 1994-1997.

10. Training/Teaching Experience

i. Training conducted

- Acting as the coordinator of different Training courses on “Germplasm collection, conservation and genebank management” and “Breeder, Foundation and Quality seed production and conservation” since 2005.
- Acting as regular resource person for the TOT, on the job and special training courses for the officers of BRRI, DAE, NGO and Private Sector personnel and farmers.

- Participated as trainer in various intensive training program related to Plant Breeding, Genetics and Biotechnology.

11. MS/PhD Research Supervisor ship

Name of the Student	Title of the Thesis	Year	MS/PhD	University/Institute
Md Aktar-ur-zaman	Effect of source-sink manipulation on yield of rainfed rice (<i>Oryza sativa</i>)	2006	MS	Sher-e-Bangla Agricultural University (SAU)
Muhammad Shahinul Islam	Study on variability and Genetic diversity in boro rice genotypes	2006	MS	SAU
Bidyuat Kumar Biswas	Study on phenotypic stability of some promising and advanced genotypes of Basmati rice (<i>Oryza sativa</i> L.). 2005-2006. Dept. of Genetics & Plant Breeding, SAU, Dhaka	2007	MS	SAU
Arpita Pothder	Morpho-agronomic and molecular characterization of some selected rice (<i>Oryza sativa</i> L.) germplasm. 2018-2020. Dept. of Biotechnology, SAU, Dhaka	2020	MS	SAU

12. PUBLICATIONS (128)

(i) List of the full paper (66)

1. M Z Islam; M Arifuzzaman; S Banik; MA Hossain; J Ferdous; **M Khalequzzaman**; BR Pitterndrigh; M Tomita and MP Ali (2020). Mapping QTLs underpin nutrition components in aromatic rice germplasm. *PloS One* 15(6) .e0234395.<https://doi.org/10.1371/journal.pone.0234395> (page 1-13)
2. M Z Islam; **M Khalequzzaman**; MFRK Price; M A Siddique; ESMH Rashid; MSU Ahmed; BR Pitterndrigh; and MP Ali (2018). Diversity and population structure of red rice germplasm in Bangladesh. *PloS One* 13(5) .e0196096.<https://doi.org/10.1371/journal.pone.0196096>.
3. M Z Islam^{1*}, Nadia Akter, Md. Ferdous Rezwan Khan Prince, Nashirum Monir and **Mohammad Khalequzzaman**. (2020). Genetic Variability and Inter Relationship between Yield and Yield Components in Some Jhum Rice Genotypes. *Accepted for Publication in the Journal of Agriculturist*.
4. T Chakrabarty; M Z Islam; Nadia Akter; **M Khalequzzaman** (2019). Variability, traits association and path coefficient of yield and yield contributing traits of selected boro rice germplasm. *SAARC J. of Agriculture*. 17(2): 103-116
5. M Z Islam; **M Khalequzzaman**; MK Bashar; NA Ivy; MAK Mian; BR Pitterndrigh; and MP Ali (2018). Variability assessment of aromatic rice germplasm by pheno-genomic traits and

population structure analysis. *Scientific Reports*. (2018)8:9911 /doi.org:10.1038/s41598-018-28001-z

6. N Akter; M Z Islam; T Chakrabarty and **M Khalequzzaman**. 2018. Variability, Heritability and diversity analysis for some morphological traits in Basmati rice (*Oryza sativa* L.) genotypes. *The Agriculturist*. 16(2): 01-14. DOI:http://dx.doi.org/10.3329/agric.v16i02.40338
7. N Akter,; **M Khalequzzaman**; M Z Islam, MAA Mannan; MAZ Chowdhury. 2018 Genetic variability and character association of quantitative traits in jhum rice genotypes. *SAARC J. Agri*. 16(1): 193-203
8. MA Siddique, **M Khalequzzaman**, MZ Islam, A Bhuiya, MHK Baktiar and Anjuman Ara (2018). Agro-Morphological Characterization of Geographical Indication Rice Cultivars Grown in Bangladesh. *The Experiment, 2018, Vol 45(4), 2598-2610*.
9. N Akter, H Begum, MZ Islam, MA Siddique, **M Khalequzzaman** (2018). *Genetic Diversity in Aus rice (Oryza sativa L.) Genotypes of Bangladesh. Bangladesh J. Agril. Res. 43(2): 253-266*
10. M Z Islam, T Chakrabarty, N Akter, E S M H Rashid, **M Khalequzzaman** and M A Z Chowdhury (2018). Genetic Variability, Character Association and Path Analysis in Boro Rice (*Oryza sativa* L.) Germplasm from Bangladesh. *Bangladesh Rice J.* 22 (1): 35-44, 2018
11. M Z Islam, **M Khalequzzaman**; MK Bashar; N A Ivy; MM Haque; MAK Mian and M Tomita (2018). Agro-morphological Characterization of Bangladeshi Aromatic Rice (*Oryza sativa* L.) germplasm Based on Qualitative Traits. *Bangladesh Rice J.* 22 (2): 41-54, 2018
12. M Z Islam, N Akter, T Chakrabarty, A Bhuiya, MA Siddique and **M Khalequzzaman** (2018). Agro-morphological Characterization and Genetic Diversity of Similar Named Aromatic Rice (*Oryza sativa* L.) Landraces of Bangladesh. *Bangladesh Rice J.* 22 (1): 45-56, 2018
13. Khan, MSI; MA Latif; **M Khalequzzaman**; Asami Tomita; MA Ali and Y Fukuta (2017). Genetic variation in resistance to blast (*Pyricularia oryzae* Cavara) in rice (*Oryza sativa* L.) germplasm of Bangladesh. *Breeding Science*. 67:493-499.
14. **M Khalequzzaman**, MZ Islam; M A Siddique; M Price; and ESMH Rashid (2017). Genetic Diversity in Aus Rice Landraces of Bangladesh using SSR markers. *Bangladesh J. Pl. Breed. Genet.*, 30(1): 11-20.
15. M S Pervin, T Halder, **M Khalequzzaman**, M A Kader, T L Aditya and R Yasmeen. (2017). Genetic Diversity and Screening of Rice (*Oryza sativa* L.) Genotypes for Drought Tolerance at Reproductive Phase. *Bangladesh Rice J.* 21(1): 27-34.
16. M Z Islam, **M Khalequzzaman**, M A Siddique, N Akter, M S Ahmed and M A Z Chowdhury. (2017). Phenotypic characterization of Jhum Rice (*Oryza sativa* L.) Landraces Collected from Rangamati District in Bangladesh. *Bangladesh Rice J.* 21(1): 47-57.
17. M A Siddique, **M Khalequzzaman**, K Fatema, M Z Islam, M H K Baktiar and M M Islam. 2017. DNA Fingerprinting and Genetic Diversity in Aus Rice (*Oryza sativa* L.) Landraces of Bangladesh. *Bangladesh Rice J.* 21(1): 59-65.

18. N Akter, M Z Islam, A Bhuiya, MA Siddique and **M Khalequzzaman**. 2017. Distinctness of 45 irrigated rice (*Oryza sativa* L.) landraces of Bangladesh through agro-morphological traits. *Eco-friendly Agril. J.* 10(07):100-107.
19. M A Siddique, **M Khalequzzaman**, M M Islam, Kanzi Fatema and MA Latif (2016). Molecular Characterization and Genetic Diversity in geographical indication (GI) Rice (*Oryza sativa* L.) cultivars of Bangladesh (2016). *Brazilian J. Botany*. DOI 10.1007/s40415-016-0271-1.
20. M A Siddique, **M Khalequzzaman**, K Fatema, M Z Islam, M M Islam and M A Z Chowdhury. 2016. Molecular characterization and genetic diversity of Aman rice (*Oryza sativa* L.) Landraces in Bangladesh. *Bangladesh Rice J.* 20 (2): 1-11.
21. M A Siddique, **M Khalequzzaman**, M Z Islam, E S M H Rashid, M H K Baktiar and M A Z Chowdhury. 2016. Genetic diversity in Aus rice genotypes using ILP markers. *Bangladesh Rice J.*,20 (2): 13-19.
22. N. Akter, M. Z. Islam, M. A. Siddique, T. Chakrabarty, **M. Khalequzzaman** and M. A. Z. Chowdhury. 2016. Genetic diversity of Boro rice (*Oryza sativa* L.) landraces in Bangladesh. *Bangladesh J. Pl. Breed. Genet.*, 29(2): 33-40.
23. M. A. Siddique, **M. Khalequzzaman**, M. Z. Islam, M. H. K. Baktiar and M. S. Ahmed. 2016. Genetic diversity assessment of quantitative traits in landraces of Aus rice. *Bangladesh J. Pl. Breed. Genet.*, 29(2): 17-24.
24. Islam, MZ; **M. Khalequzzaman**; M K Bashar, NA Ivy, MM Haque and MAK Mian (2016). Variability Assessment of aromatic and fine rice germplasm in Bangladesh based on quantitative traits. *The Scientific World Journal. Volume 2016, article ID 2796720, 14 pages*
25. Mir Sharf Uddin Ahmed, **M. Khalequzzaman**, Md Khairul Bashar, Abul Kalam Mohammad Shamsuddin (2016). [Agro-Morphological, Physico-Chemical and Molecular Characterization of Rice Germplasm with Similar Names of Bangladesh](#). *Rice Science*. 23(4): 211-218
26. **Khalequzzaman, M.** and Nazmul Haq (2005). Isolation and in vitro fusion of egg and sperm cells in rice (*Oryza sativa* L). *J. Plant Physiology and Biochemistry*. 43(1): 69-75.
27. Ahmed MS, **Khalequzzaman M**, Bashar MK, Shamsuddin AKM. 2015. Qualitative agro-morphological character diversity of similar or duplicate named rice (*Oryza sativa* L.) Germplasm of Bangladesh. *J. Bio. & Env. Sci.* 7(4): 51-61.
28. Ahmed MS, Parveen S, **Khalequzzaman M**, Shamsuddin A.K.M. 2015. Morpho-physicochemical characterization of Kartiksail rice (*Oryza sativa* L.) land races of Bangladesh. *Int. J. Agri. & Agri. R.* 7(3): 25-37.
29. M A Siddique, ESMH Rashid, M **Khalequzzaman**, M K Bashar and LR Khan (2014). Molecular Characterization and Genetic Diversity in T. Aman landraces of Rice (*Oryza sativa* L.) Using Microsatellite markers. (2014). *Thai J. Agricultural Science*. 47 (4): 211-220.

30. Ahmed MS, **Khalequzzaman M**, Bashar MK, and AKM Shamsuddin. **2014**. Genetic diversity of *balam* and *jesso-balam* rice (*Oryza sativa* L.). *Bangladesh J. Pl. Breed. Genet.*, 27(2): 17-24, 2014
31. Baktiar, MHK; ESMH Rashid; MS Ahmed; **M Khalequzzaman**, and MN Ahmed (2014). Effect of nitrogen rate on breeder seed production of rice (*Oryza sativa* L.). *International J. Bussiness, social and scientific research*. 1 (02): 58-60
32. MZ Islam, M A Siddique, ESMH Rashid, MS Ahmed and **M Khalequzzaman**. 2014. Genetic Diversity in Sadajira Rice (*Oryza sativa* L.) Germplasm. *The Agriculturists J*. 12(1): 26-32
33. MZ Islam, S Banik; MA Haque, MA Siddique, **M Khalequzzaman** and MAK Mian. 2013. Physico-chemical and cooking properties of local aromatic rice germplasm in Bangladesh. *Eco-friendly Agril .J*. 6(11): 243-248.
34. M A Siddique, **M Khalequzzaman**, M Z Islam, M S Ahmed and ESMH Rashid. 2013. Genetic diversity in local Boro rice (*Oryza Sativa* L.) genotypes of Bangladesh. *Bangladesh J. Pl. Breed. Genet.*, 26(1): 19-24
35. MHK Baktiar, MA Samad, **M Khalequzzaman**, N Sharma and M A Siddique. 2013. Morphological characterization of local Aus rice germplasm (*Oryza sativa* L.). *Eco-friendly Agril. J*. 6 (10): 238-242
36. MHK Baktiar, M A Siddique, **M Khalequzzaman**, A Bhuiya and MZ 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
37. M A Siddique, M Z Islam, **M Khalequzzaman** and M H K Baktiar. 2012. Seed Dormancy of some modern Boro and Aus Rice varieties of Bangladesh. *Seed Tech. J*. 3: 18-21
38. M.Z. Ullah; MK Bashar; MSR Bhuiyan; **M Khalequzzaman** and MJ Hasan. 2011. Interrelationship and cause-effect analysis among Morpho-physiological traits in Biroin Rice of Bangladesh. *Inter. J. Plant Breed. & Genetics*. 5(3): 246-254
39. Islam, MZ; **M. Khalequzzaman** ; MA Siddique; MS Ahmed and MHK Baktiar (2011). Seed Dormancy of Modern Aman Rice varieties of Bangladesh. *Seed Tech. J*. 1(1): 52-56
40. M A Siddique, M Z Islam, **M Khalequzzaman** and M S Ahmed. 2011. Genetic diversity in rice (*Oryza Sativa* L.) Landraces of hilly areas in Bangladesh. *Bangladesh J. Pl. Breed. Genet.*, 24(2): 25-30
41. M A Siddique, ESMH Rashid, **M Khalequzzaman**, M Z Islam, M S Ahmed and M H K Baktiar.2010. Genetic diversity of local rainfed rice (*Oryza Sativa* L.). *Bangladesh J. Pl. Breed. Genet.*, 23(2): 41-46
42. Ahmed, MS, K. Aktar, **M. Khalequzzaman**, ESMH Rashid and MK Bashar (2010). Diversity analysis in Boro Rice (*Oryza sativa* L.) accessions. *Bangladesh J. Agril. Res*. 35(1): 29-36

43. Begum, H., **M. Khalequzzaman**, A. Akter, M.P. Ali and M.A. Motalib (2009). Influence of different concentration of vitamins on plant regeneration from two cultivated species of jute. *SAARC J. Agri.* 7(1):72-84.
44. Islam, MZ; Khaleda Akter, ESMH Rashid; **M Khalequzzaman** and MK Bashar (2009). Genetic Diversity of local irrigated rice germplasm. *Bangladesh J. Plant Breeding & Genetics.* Vol. 22(2): 65-71.
45. Ahmed, MS; **M. Khalequzzaman**, Khaleda Akter, ESMH Rashid and MZ. Islam (2008).Variation, Character Accociation and path analysis in rice (*Oryza sativa* L.) accessions having duplicate name. *Intl. J. BioRes.* 4(2):28-33.
46. MS Ahmed, ESMH Rashid, **M Khalequzzaman**, MS Islam and MK Bashar. 2008. Characterization of local aman rice germplasm grown at waterlogged situation in southwest Bangladesh against salinity and submergence. *International Journal of BioResearch.* 5 (2): 17-21.
47. **Khalequzzaman**, M; MZ Islam; Khaleda Akter and MK Bashar (2008). Genetic diversity in local rainfed lowland rice (*Oryza sativa* L.) in Bangladesh. *Bangladesh J. Plant Breeding & Genetics.* Vol. 21(1):49-54.
48. SH Habib; K Akter; MK Bashar, **M Khalequzzaman** (2007). Multivariate analysis of divergence in advance and local rice accessions. *Bangladesh Journal of Agricultural Research.* 328(1): 29-32.
49. Rashid, ESMH; SMM Akmal Huda; Ahmed, MS; **M. Khalequzzaman** and MK Bashar (2007). Utilization of local aman rice germplasm in waterlogged situations in southwest of Bangladesh. *Intl. J. BioRes.* 3(5):31-37.
50. MK Bashar, MS Ahmed, **M Khalequzzaman**, S Parveen and ESMH Rashid. 2007. Participatory variety selection (PVS) for selecting suitable *Aman* rice germplasm in unfavorable ecosystem: A case study. *Journal of Agricultural Sciences and Technology.* 8(1): 109-113.
51. MS Ahmed, MHK Baktiar, **M Khalequzzaman**, S Parveen and ESMH Rashid. 2007. Effect of source- sink manipulation on some important grain characters of rice (*Oryza sativa* L). *Journal of Agricultural Sciences and Technology.* 8 (1): 118-121.
52. Islam, MS; **M Khalequzzaman**; MS Hossain; MSR Bhuiyan and MA Rahim (2007). Genetic diversity in some boro rice genotypes. *Bangladesh J. of Progressive Science and Technology.* 5(2): 429-432.
53. Habib, SH, MK Bashar, **M. Khalequzzaman**, MS Ahmed and ESMH Rashid (2005). Genetic analysis and morpho-physiological selection criteria for traditional Biroin Bangladesh Rice germplasm. *J. Biological Sciences.* 5 (3):315-318
54. **Khalequzzaman**, M., Nazmul Haq; ME Hoque and TL Aditya (2005). Regeneration efficiency and genotypic effect of some indica type Bangladeshi rice (*Oryza sativa* L.) landraces. *Plant Tissue Culture.* 15(1):33-42.

55. **Khalequzzaman, M.**, K. Akter, S. Khatun, MRA Sarker and SH Habib (2005). Multivariate genetic analysis on the quantitative characters of rice germplasm collected from southwest of Bangladesh. *International J. of Sustainable Agricultural Technology*. 1(3):10-15.
56. **Khalequzzaman, M.** and M.A. Khaleque Mian (2004). Pollen viability and pollen tube growth behaviour in off-season Tomato (*Lycopersicon esculentum* Mill.). *Bangladesh J. Plant Breeding & Genetics*. 17(2): 27-32.
57. **Khalequzzaman, M.**; M.A. Khaleque Mian; M.E. Hoque; M.S. Hossain and M.S. Ahmed. (2004). Effect of pollination methods on pollen tube growth behaviour and fruit setting in off-season Tomato (*Lycopersicon esculentum* Mill.). *Bangladesh J. of Progressive Science and Technology*. 2(2): 175-180.
58. Hoque, ME; MA Hossain; TL Aditya; **M Khalequzzaman** and MS Ali (2005). Genotype-environment interaction and stability analysis in anther culture derived rice genotypes. *Bangladesh J. Plant Breeding & Genetics*. Vol. 18(1): 31-34.
59. Aditya, T.L.; M.E. Hoque and **M. Khalequzzaman** (2004). Response to high frequency callus induction ability from root regions of germinated embryo in *Indica* rice. *Pakistan J. of Biological Science*. 7 (5): 861-864.
60. Ahmed, MS.; MA Saleque; MK Bashar and **M. Khalequzzaman** (2004). Effects of nutrient management on yield and seed quality of rice. *J. Soil Health and Environment*. 1(1):79-86.
61. Bashar, M.K.; M.S. Ahmed; **M. Khalequzzaman**; E.S.M.H. Rashid and H.C. Sarker (2004). Seed renewal studies in rice (*Oryza sativa* L.). *Bangladesh J. of Progressive Science and Technology*. 2(2): 181-184.
62. Ahmed, M.S.; M.K. Bashar; **M. Khalequzzaman**, M.R.A. Sarker and Khaleda Akter (2004). Rice Diversity Evaluation through Participatory variety selection in Southwest of Bangladesh. *Bangladesh J. of Progressive Science and Technology*. 2(1):39-42.
63. Bashar, M.K.; **M. Khalequzzaman**; M.S. Ahmed; M.R. Islam and Khaleda Akter. 2001. Quantitative inheritance of root: shoot ratio and its association with other drought resistance components in rice (*Oryza sativa* L.). *Bangladesh J. Plant Breed. and Genet.* 14 (2): 13-19.
64. **Khalequzzaman, M.**; M.A.K. Mian; M.K. Bashar; N. Ahmed and M.S.R. Bhuiyan (2000). Seasonal influence on flower induction and fruit setting behaviour in tomato. *J. Agric. Sci. Tech.* **1(1)**: 7-11.
65. Ali, M.; M.S. Hossain; M.T. Islam and **M. Khalequzzaman** (1998). Possibility of Developing Bunch type Self-pollinated Ridge Gourd. *Bangladesh J. Plant Breeding & Genetics*. **11(1&2)**: 59-64.
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(ii) **List of Books/Monographs/Bulletins (24)**

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13. Participation in technology development and transfer activities:

Name of technology developed / transferred	Present status of adoption	Remarks
Development of <i>In vitro</i> hybridization in rice	Method has been developed successfully and it could be applied in plant breeding program especially hybrid rice variety development and wide cross	The method is a innovative and pioneer in rice research
Involvement with the development of rice variety BRR1 dhan34	As a fine grain rice is being adopted countrywide	Participated as a working scientist
Breeder seed production	Increase the adoption of BRR1 developed varieties	Participated as a working scientist
Seed Production and Demonstration Program	BRR1 varieties are adopted in farmers field	Participated in demonstration of BRR1 dhan31 and BRR1 dhan32 as working scientist
Breeder seed production and its distribution for ultimate use of quality seed at farm level through sustainable rice networks	Establish “Sustainable Rice Seed Network” at National level as well as Northeast, Northwest and Southwest Focal area of Bangladesh	Participated as an co-investigator
Rice diversity and production in Southwest of Bangladesh: Using diversity and local knowledge to create sustainable livelihoods in the costal area of Bangladesh	Select five modern and local varieties through Participatory Variety Selection method	Participated as a working scientist
Identification of rice varieties for water logged situation in Southwest of Bangladesh	Selection of suitable variety(s) are under progress	Participated as a working scientist

14. PROFESSIONAL MEMBERSHIPS

- Life Member of Bangladesh Agriculturist Institution
- Life Member of Plant Breeding and Genetic Society of Bangladesh
- Life Member of Bangladesh Association for the Advancement of sciences (BAAS)
- Life Member of Bangladesh Association of Seed Science and Technology
- Life Member of Bangladesh Society of Seed Technology
- Member of Bangladesh Rice Research Institute Scientist Association
- Member of Bangladesh Association for Science and Scientific Professionals (BASSP)
- Member of Bangladesh Association for Plant Tissue Culture and Biotechnology
- Life Member of Bangladesh Association for Biotechnology
- Member Graduates of University of Southampton, UK

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