

**CURRICULUM VITAE
OF
MOHAMMAD KHALEQUZZAMAN**



- 01 (a) Name : **Mohammad Khalequzzaman**
(b) Father's name : Mofizuddin Ahmed
(c) Mother's Name : Fazilatunnessa
- 02 Address :
(a) Permanent Address : Vill: Harishangan, PO: Chandanpur,
PS/Upazila: Belabo, Dist: Narsingdi,
Bangladesh
(b) Present position and address : Director General (Routine Charge)
Bangladesh Rice Research Institute
Gazipur-1701, Bangladesh
- 03 Date of joining in the present position : 11-06-2024
- 04 Date of First joining (Service) at BRRI : 21-11-1994
- 05 Nationality : Bangladeshi by birth
- 06 Marital status : Married
- 07 Date of birth and age (As on 12 June 2024) : 5th April 1967, Age: 57 Years, 02 Months, 07 Days

08 Educational Qualification

Degree/Diploma/Certificate	Class/Grade/Division	University/Institute/Board	Year
PhD	Degree Achieved	University of Southampton, UK	2003
MS	B Grade	IPSA, Gazipur-1706, Bangladesh	1996
B.Sc. Ag. (Hons.)	2nd Class	Bangladesh Agricultural University	1988
H.S.C.	First Division	Dhaka Board, Bangladesh	1984
S.S.C.	First Division	Dhaka Board, Bangladesh	1982

09. Field of Specialization: Plant Breeding, Plant Biotechnology, Genebank management and Seed Science

10. Professional Experience

<i>Name(s) of employing organization</i>	<i>Designation</i>	<i>From</i>	<i>To</i>	<i>Remarks</i>
Bangladesh Rice Research Institute (BRRI), Gazipur	Director Research	11-06-2024	<i>To date</i>	
Bangladesh Rice Research Institute (BRRI), Gazipur	Director Research (Current Charge)	08-09-2021	10-06-2024	
BRRI, Gazipur	Chief Scientific Officer (Promotion)	24-08-2013	07-09-2021	
BRRI, Gazipur	Principal Scientific Officer (Direct recruitment)	16-10-2005	23-08-2013	
BRRI, Gazipur	Senior Scientific Officer (Promotion)	28-02-2000	15-10-2005	
BRRI, Gazipur	Scientific Officer (Direct recruitment)	21-11-1994	27-02-2000	

Director Research (Current Charge): Currently serving as Director (Research) current charge. As Director (Research) coordinate and supervise all the research programs in all divisions of BRRI HQ and regional stations along with management of training and higher studies issues. Apart from this making liaison with different national and international organizations for research and higher studies.

Chief Scientific Officer: Worked as divisional head of Genetic Resources and Seed Division and engaged with the development of modern rice varieties; administrative and financial management of the division and different projects. Acted as the curator as well as manager of the Genebank, BRRI.

Engaged in development and management of Genetic Resources and Seed programs of the Institute as well as 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 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 faster dissemination of Rice varieties through Breeder to certified seed.

Principal Scientific Officer: 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.

Served as the Project Director of “Strengthening of Rice breeder seed production and maintenance of nucleus stocks”.

Senior Scientific Officer: 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 BIRRI Genebank.

Scientific Officer: Development of research programs, execution, monitoring and evaluating of various activities related to rice genetic resources such as collection, characterization, documentation, and was also involved in Breeder Seed production, processing & distribution systems.

11. Relevant Experience

- Served as the Head of the Genetic Resources and Seed Division of BIRRI from 2010-2021 and Project/program Leader and deputy Project Director of different projects since 2003.
- Acted as Principal Investigator of “Multiplication, Processing and Packaging of Nucleus / Breeder seeds of high zinc rice” Funded by IFPRI, HarvestPlus, Bangladesh since 2013 to 2022.
- Acted as Co-Principal Investigator of the project “Collection, characterization and promotion of rice, chili, cucumber and melon in Bangladesh” Funded by AFACI, South Korea during 2012-2017.
- Acted as Principal Investigator of the project “Collection, characterization and conservation of rice germplasm” funded by Global Crop Diversity Trust, Rome, Italy during 2013-2016.
- Acted as Project Director of “Strengthening of Rice breeder seed production and maintenance of nucleus stocks” during 2007-2013.
- Acted as Principal Investigator of “Characterization of PGR of Bangladesh, BIRRI component”.
- Conducted and supervised different experiments under the GRS division.

- Completed DFID funded PETRRA-IRRI Sub-Project-Rice biodiversity and production during 2003-2004 as Deputy Coordinator.
- Successfully completed DFID Breeder Seed Production Programme for Sustainable Rice Seed Network 2003-2004 as Deputy Coordinator.
- Involved with management activities of the GOB program “Additional Rice Seed Production program during T. Aman and Boro seasons during 2005-2006.”
- Preparation of research programs and presented to Program area meeting on behalf of GRS Division since 2003 to 2021.
- 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.
- Serving as a “Reviewer” and an “Over viewer” of different research journals such as. "Bangladesh Journal of Plant Breeding and Genetics", "Bangladesh Rice Journal", "Journal of Agricultural Biotechnology and Sustainable Development", "Journal of Plant Breeding and Crop science", etc.
- Served as a "General Secretary" of ‘Plant Breeding and Genetics Society of Bangladesh’ for 2011 to 2014.
- Served as the 'Evaluator' for the appointment and promotion of the scientists of Bangladesh Rice Research Institute.
- Served as a " Member of Advisory Committee" and a "Member of the Examination Committee" for several MS students of Sher-e-Bangla Agricultural University, Dhaka
- Acted as the Institutional Focal Point for Global Plant of Action for the Plant Genetic Recourses for Food and Agriculture under FAO.
- Running national level “Rice Seed Network” for faster 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.

- Acted as the Principal Investigator of “Characterization of important Plant Genetic Resources of Bangladesh, BRRI component”, Funded by NAPT Phase II, BARC, Bangladesh during 2018-2021.
- Acted as the Principal Investigator of “Characterization of important Plant Genetic Resources of Bangladesh, BRRI component”, funded by NAPT Phase I, BARC, Bangladesh during 2012-2014.

12. Major contribution in research and/or adoption of technology

Name of technology developed / transferred	Present status of adoption	Remarks
Development of <i>In vitro</i> hybridization techniques in rice	Method has been developed successfully and it could be applied in plant breeding program especially hybrid rice variety development and wide crossing	The method is very innovative and pioneer in rice research
Development of rice variety; BRRRI dhan34	BRRRI dhan34 is being adopted countrywide as a popular aromatic rice variety	Participated as a working scientist
Breeder seed production and distribution	A total of 150 tons of breeder seed were produced and distributed per year	Has been participating as project leader
Seed Production and Demonstration Program	BRRRI varieties are adopted in farmers field	Participated in demonstration of different BRRRI varieties
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 coastal area of Bangladesh	Selection of five modern and local varieties through Participatory Variety Selection method	Participated as a working scientist
Identification of rice varieties for waterlogged situation in Southwest of Bangladesh	Selection of suitable variety(s) are under progress	Participated as a working scientist
Molecular characterization and DNA finger printing of rice germplasm	Identified germplasm could be used in breeding program	Participated as a Principal-Investigator

13. Award Received/Outstanding performance:

- Received a crest and a certificate in 2010 for outstanding contribution in Agri-biotech research during PhD program by Sher-e-Bangla Agricultural university 45th batch student’s association.
- Received a certificate from the Poverty Elimination through Rice Research Assistance (PETRRA) Project for outstanding contribution to innovation in rice research suitable for the resource-poor farmers of Bangladesh.

14. Training/Teaching Experience

i. Training conducted

- Acted 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, Universities, NGO and Private Sector personnel and farmers.
- Participated as trainer in various intensive training program related to Plant Breeding, Genetics, Biotechnology and seed science.

ii. Workshop conducted

Several workshops were organized at BRRI HQ and different regions for different stakeholders under strengthening of breeder seed production project and strengthening rice Genebank project.

In addition, different workshops were organized at BRRI HQ, Khulna and Habiganj for the seed Network partners from all over the country and Biodiversity project partners in South-West Bangladesh.

15. Relevant competencies

As a Senior Scientist and researcher, engaged in research management as well as financial and administrative management that includes capacity building through training, group discussion and other related aspects. Apart from this making liaison with different types of people from marginal farmers, ethnic people to high officials of Govt and non-government organizations.

Assigned as the members of different Committees like seed Rules Reform Committee, Breeder’s Rights Act Committee, Seed Act Amendment Committee, Seed Replacement rate, Seed Promotion Committee, Technical Committee of National Seed Board, National Genebank Act Committee etc.

Involved in the Capacity building through training in Bangladesh and also developed different promotional materials for the extension personnel, seed entrepreneurs and Farmers. Developed a strong linkage with different GOs, NGOs and private seed companies which furnished me a good opportunity to travel to grassroots level, worked with different peoples from ethnic to well established personnel. Involved in the development of different manuals, Guidelines including Maintenance Breeding and Breeder Seed Production manual.

16. Personal attributes which may help to perform effectively in this position

- Since 1994, I was actively engaged with rice research especially with rice breeding, rice germplasm management, molecular biology and seed technology. This is worthy to mention here that rice germplasm is the basic raw material for rice breeding for crop improvement, in which discipline I have served my professional career. It is mentionable that I have performed my PhD and Post Doc research exploiting Bangladeshi rice germplasm that helped a lot for varietal development.
- Still I am dealing with “Rice Seed Network” partners where more than thousand GOs, NGOs and private seed entrepreneurs are involved in the network where I have a chance to interact with them for seed related different aspects.
- Having liaison with global donors and SAARC countries for germplasm exchange. Also making liaison with different CGIAR consortium for fund related to research works.
- Performed as Project Director of Breeder Seed production project under GOB fund and many other foreign funded projects successfully with achieving targeted output.
- Different types of publications (more than hundreds) including journal articles, proceedings papers, leaflets, books, catalogue, bulletins that might help.
- Finally, having capabilities to understand the people working with me which are essential for smooth directing an institute.

17. MS/PhD Research Supervisor

Name of the Student	Title of the Thesis	Year	MS	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
Bidyut 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
Orpita Podder	Morpho-molecular characterization of Aman rice (<i>Oryza sativa</i> L.) germplasm. 2019-2020. Dept. of Biotechnology, SAU, Dhaka	2020	MS	SAU
Md. Ziaul Hasan Sourov	Role of phytohormone in <i>in vitro</i> plant regeneration of Sweet Potato (<i>Ipomoea batatas</i> L.). 2019-2020. Dept. of Biotechnology, SAU, Dhaka	2020	MS	SAU

18. Number of Publications: 142

A. Journal publication: (71) National: International:

B. Other publication: (71) Books: Bulletin/Proceeding:

C. Patent registered

19. 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.

20. Reviewer of National and International Journals and Project Proposal:

- Serving as a “Reviewer” and an “Over viewer” of some research journals and projects proposal.

21. Training Received

(a) In Country: 14

(b) Abroad: 08

(a) In Country Training: 14

Sl No	Title/Name of Programme	Organization	Duration		Sponsoring Agency	Remarks
			From	To		
1	Training course on Rice production, applied research, communication and administration	Bangladesh Rice Research Institute (BRRI), Bangladesh, Gazipur	03-12-1994	31-01-1995	BRRI	

2	Training course on field collection and conservation of rice germplasm	International Rice Research Institute (IRRI) and BRRI, Gazipur	02-11-1996	07-11-1996	IRRI	
3	Training course on documentation and data management for genetic resources	International Rice Research Institute (IRRI) and BRRI, Gazipur Bangladesh	21-11-1997	03-12-1997	IRRI	
4	Training course on Breeder Seed Production and Preservation of rice	Bangladesh Rice Research Institute (BRRI), Bangladesh	20-11-2005	22-11-2005	BRRI	
5	Training course on AWhere-ACT and GIS based Bangladesh Country Almanac	International Maize and Wheat Improvement center (CIMMYT) and BRRI, Gazipur	08-05-2006	09-05-2006	BRRI	
6	Training course on Administrative and financial management	Bangladesh Academy for Rural Development, Comilla	05-03-2007	18-03-2007	BARC	
7	Training course on Green Super Rice-Hybrid Rice Seed Production	International Rice Research Institute (IRRI) and BRRI, Gazipur	23-02-2010	25-02-2010	IRRI-BRRI	
8	Training course on Quality Rice Seed Production	International Rice Research Institute (IRRI) and BRRI, Gazipur Bangladesh	09-05-2010	16-05-2010	IRRI	
9	Training course on Genetic theory of Hybrid rice breeding	Bangladesh Rice Research Institute (BRRI), Bangladesh	25-04-2011	08-05-2011	BRRI	
10	Training course on Breeder Seed Production and Preservation of rice	Bangladesh Rice Research Institute (BRRI), Bangladesh	18-06-2011	20-06-2011	BRRI	
11	Technical Report writing and editing	Bangladesh Agricultural Research Council, Farmgate, Bangladesh	13-02-2011	17-02-2011	BARC	
12	Implication of Molecular tools in crop improvement under stress environment	Bangladesh Rice Research Institute (BRRI), Bangladesh	27-01-2013	31-01-2013	BRRI	
13	Training course on collection and documentations of Plant Genetic Resources	Bangladesh Agricultural Research Council, Farmgate, Bangladesh	19-11-2018	20-11-2018	BARC	
14	Training course on Global plan of action collection and documentations of Plant Genetic Resources	Bangladesh Agricultural Research Council, Farmgate, Bangladesh	18-11-2019	19-11-2019	BARC	

(b) Abroad (08)

Sl No	Title/Name of Programme	Country	Duration		Sponsoring Agency	Remarks
			From	To		
1	Training workshop on Germplasm and genebank Management System	Bangkok, Thailand	05-02-2017	14-02-2017	AFACI, Korea	
2	International Training Workshop on Germplasm Management System	RDA, Jeonju, South Korea	18-04-2016	28-02-2016	AFACI, Korea	
3	Training on seminar on Hybrid Rice for Bangladesh	Yuang Longping High-Tech Agriculture Co. Ltd, Hunan, China	16-11-2011	05-12-2011	China	
4	Training course on Biosafety assessment and regulation of Agricultural Biotechnology	Institute for Plant Biotechnology for Developing Countries of Ghent University, Belgium,.	08-08-2005	19-08-2005	Belgium	
5	Training course on Genebank Management and Conservation	Philippines (International Rice Research Institute (IRRI),	13-09-1997	10-10-1997	IRRI	
6	Training course on Hybrid Rice Seed production	Philippines (Philippine Rice Research Institute,)	17-03-1997	21-03-1997	DFID	
7	Training course on Rice Breeder Seed production and variety maintenance.	Philippines (Philippine Rice Research Institute,)	01-03-1997	02-04-1997	DFID	
8	Post Doctoral Course on Molecular Biology	University of Portsmouth, UK	10-04-2013	07-07-2013		

Attended Foreign Meeting/Study Visit etc.

Sl	Title	From	To	Country and Institute	Sponsoring Agency
1	STRASA Annual Review and Planning Workshop	30-04-2017	02-05-2017	Pusa, New Delhi	STRASA, IRRI
2	AFACI expert workshop on integrated management system of plant genetic resources	23-09-2013	27-05-2013	Kathmandu, Nepal	AFACI, South Korea
3	South Asian Nitrogen Hub Meeting	27-11-2022	01-12-2022	Maldives National University, Male, Maldives	UKRI, UK

22. LIST OF PUBLICATIONS (143)

(i) List of the full paper (72)

- M Khalequzzaman**; T. Chakrabarty; MZ Islam; ESMH Rashid; MFRK Price and MA Siddique. 2022. Assessment of Mean Performance, Traits Association and Path Coefficient in Transplanted Aman Rice (*Oryza sativa* L.) landraces. *Asian J. Biology*. 16(4), page 27-39: //doi.org/10.9734/ajob/2022/v16i4308
- M Khalequzzaman**; MZ Islam; MFRK Price; ESMH Rashid and MA Siddique. 2022. Genetic Diversity and population structure of Boro rice Landraces of Bangladesh. *J. Rice Research*: open access 10(6):305DOI: 10.4172/2375-4338.1000305
- MZ Islam; **M Khalequzzaman**; T Chakrabarty; N Akter; MFR Khan; A Bhuiya and MA Siddique (2021). Genetic diversity and population structure of similar named aromatic rice (*Oryza Sativa* L.) landraces of Bangladesh. *SAARC J. Agric.* 19(2): 57-71. DoI: <https://doi.org/10.3329/sja.v19i2.57826>
- M Khalequzzaman**; MFRK Price; MZ Islam; ESMH Rashid and MA Siddique. (2018). Microsatellite marker based diversity analysis of Aman rice (*Oryza sativa* L) germplasm. *Bangladesh J. Pl. Breed. Genet.* 31(2):01-11
- M Khalequzzaman**, and Nazmul Haq (2022). **Assessment of Bangladeshi rice landraces for drought tolerance under controlled environment.** Accepted for publication in *Bangladesh Rice journal Volume 26 (1)*.

6. MZ 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): page 1-13 .e0234395.<https://doi.org/10.1371/journal.pone.0234395>.
7. MZ Islam; **M Khalequzzaman**; MFRK Price; MA 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>.
8. MZ Islam; N Akter; MFRK Prince; Nashirum Monir and **M Khalequzzaman**. (2020). Genetic Variability and Inter Relationship between Yield and Yield Components in Some Jhum Rice Genotypes. *The Agriculturist*. 18(1): 01-09.
9. T Chakrabarty; MZ 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.
10. MZ Islam; **M Khalequzzaman**; MK Bashar; NA Ivy; MAK Mian; BR Pitterndrigh; and MP Ali (2018). Variability assessment of aromatic rice germplasm by phenogenomic traits and population structure analysis. *Scientific Reports*. (2018)8: 9911 /doi.org/10.1038/s41598-018-28001-z
11. 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>
12. N Akter; **M Khalequzzaman**; MZ Islam, MAA Mannan; MAZ Chowdhury. (2018) Genetic variability and character association of quantitative traits in rice genotypes. *SAARC J. Agri*. 16(1): 193-203.
13. 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.
14. N Akter; H Begum; MZ Islam; MA Siddique and **M Khalequzzaman** (2018). Genetic Diversity in Aus rice (*Oryza sativa* L.) Genotypes of Bangladesh. *Bangladesh J. Agril. Res*. 43(2): 253-266.
15. MS Ahmed; ESMH Rashid, N Akter and **M Khalequzzaman** (2018). Morphological characterization and Diversity of T Aman rice germplasm of Bangladesh. *Bangladesh Rice J*. 22(2): 13-22.

16. MZ Islam; T Chakrabarty; N Akter; ESMH Rashid; **M Khalequzzaman** and MAZ 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.
17. MZ 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.
18. MZ 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.
19. MSI Khan; MA Latif; **M Khalequzzaman**; A 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.
20. **M Khalequzzaman**; MZ Islam; MA Siddique; MFRK Prince; and ESMH Rashid (2017). Genetic Diversity in Aus Rice Landraces of Bangladesh using SSR markers. *Bangladesh J. Pl. Breed. Genet.* 30(1): 11-20.
21. MS Pervin; T Halder; **M Khalequzzaman**; MA Kader; TL 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.
22. MZ Islam; **M Khalequzzaman**; MA Siddique; N Akter; MS Ahmed and MAZ Chowdhury. (2017). Phenotypic characterization of Jhum Rice (*Oryza sativa* L.) Landraces Collected from Rangamati District in Bangladesh. *Bangladesh Rice J.* 21(1): 47-57.
23. MA Siddique; **M Khalequzzaman**; K Fatema; M Z Islam; MHK Baktiar and MM Islam. (2017). DNA Fingerprinting and Genetic Diversity in Aus Rice (*Oryza sativa* L.) Landraces of Bangladesh. *Bangladesh Rice J.* 21(1): 59-65.
24. N Akter; MZ 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.
25. MA Siddique; **M Khalequzzaman**; MM Islam; K 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.

26. MA Siddique; **M Khalequzzaman**; K Fatema; MZ Islam; MM Islam and MAZ Chowdhury. (2016). Molecular characterization and genetic diversity of Aman rice (*Oryza sativa* L.) Landraces in Bangladesh. *Bangladesh Rice J.* 20 (2): 1-11.
27. MA Siddique; **M Khalequzzaman**; MZ Islam; ESMH Rashid; MHK Baktiar and MAZ Chowdhury. (2016). Genetic diversity in Aus rice genotypes using ILP markers. *Bangladesh Rice J.* 20 (2): 13-19.
28. N Akter; MZ Islam; MA Siddique; T Chakrabarty; **M Khalequzzaman** and MAZ Chowdhury. (2016). Genetic diversity of Boro rice (*Oryza sativa* L.) landraces in Bangladesh. *Bangladesh J. Pl. Breed. Genet.* 29(2): 33-40.
29. MA Siddique; **M Khalequzzaman**; MZ Islam; MHK Baktiar and MS Ahmed. (2016). Genetic diversity assessment of quantitative traits in landraces of Aus rice. *Bangladesh J. Pl. Breed. Genet.* 29 (2): 17-24.
30. MZ Islam; **M Khalequzzaman**; MK 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.*
31. MS Ahmed; **M Khalequzzaman**; MK Bashar and AKM Shamsuddin (2016). Agro-Morphological, Physico-Chemical and Molecular Characterization of Rice Germplasm with Similar Names of Bangladesh. *Rice Science.* 23(4): 211-218.
32. **M Khalequzzaman** 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.
33. MS Ahmed; **M Khalequzzaman**; MK Bashar; Shamsuddin. (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.
34. MS Ahmed; S Parveen; **M Khalequzzaman** and AKM Shamsuddin. (2015). Morpho-physicochemical characterization of Kartiksail rice (*Oryza sativa* L.) land races of Bangladesh. *Int. J. Agri. & Agri. R.* 7(3): 25-37.
35. MA Siddique; ESMH Rashid; **M Khalequzzaman**; MK Bashar and LR Khan (2014). Molecular Characterization and Genetic Diversity in T. Aman landraces of Rice (*Oryza sativa* L.) Using Microsatellite markers. *Thai J. Agricultural Science.* 47 (4): 211-220.
36. MS Ahmed; **M Khalequzzaman**; MK Bashar; and AKM Shamsuddin. (2014). Genetic diversity of *balam* and *jesso-balam* rice (*Oryza sativa* L.). *Bangladesh J. Pl. Breed. Genet.*, 27(2): 17-24.

37. MHK Baktiar; 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.
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