Curriculum Vitae of **DR. MOHAMMAD ASHIK IQBAL KHAN**,
Principal Scientific Officer,
Plant Pathology Division,
Bangladesh Rice Research Institute (BRRI),
Gazipur-1701, Bangladesh

1.	Name	:	**DR. MOHAMMAD ASHIK IQBAL KHAN**
2.	Father's name	:	Late Mohammad Nurul Islam Khan
3.	Mother's name	:	Late Sherin Begum
4.	Husband's name (if applicable)	:	N/A
5.	Gender	:	Male
6.	Mailing Address	:	Principal Scientific Officer, Plant Pathology Division, BRRI, Gazipur-1701, Bangladesh
7.	Permanent Address	:	Village: Keshabpur, P/O: Keshabpur, Upazilla: Keshabpur, District: Jessore, Country: Bangladesh
8.			Phone: 0088 02 49272005-14 extn. 541 (office) 0088 02 49272005-14 extn. 322 (residence) Fax: 0088 02 49272000 Cell: 0088 01711 146324 E-mail: ashikjp@gmail.com ashik.path@brri.gov.bd
9.	Date of birth	:	30-01-1972
10.	Age	:	50 years
11.	Educational qualification	:	

Degree/ Diploma/ Certificate	Class/ Grade/ Division	University/ Institute/ Board	Year
Secondary School Certificate	First	Jessore	1986
Higher Secondary Certificate	Second	Jessore	1988
Bachelor of Science in Agriculture	First (**10th position**)	Bangladesh Agricultural University (BAU)	1992 (Held in 1996)
M. S. in Plant Pathology	First (**1st position**)	Bangladesh Agricultural University (BAU)	1998
Master in Agriculture	A (**>80%**)	Saga University, Japan	2006
Ph.D in Agricultural Sciences	Successfully completed	Kagoshima University, Japan	2009
Post-Doctorate on Rice Blast Disease Resistance	Successfully completed (Nov. 2014 to Oct. 2016)	JSPS standard (Japan Govt.) hosted by JIRCAS	2016

12. Field of Specialization: Rice Disease Resistance, Disease Forecasting, Disease Diageneses using Artificial Intelligence, Rice Disease Management and Sustainable Agriculture

13. Research interest:

Population Genetics of Rice Pathogens, Disease Forecasting, Disease Diageneses using Artificial Intelligence, Precision Crop Protection by Sensing Plant Diseases, Application of Nano-technology for Plant Disease Management, Climate Resilient Plant Disease Management, Differential Systems for Disease Resistance, Novel QTL/Gene Identification for biotic stresses of rice, Development on Disease Resistance and Low Input Rice Variety.

14. Major Research Achievements:

Sl. No.	Research activities and Duration	Achievements
1	Induced resistance to foot and root rot disease of lentil (*Lens culinaris* M.) From 1996 to 1998	Successfully controlled foot and root rot disease of lentil using *Rhizobium* and increased seed yield under field condition. Most of the Bangladeshi farmers are now practicing this technique. Paper published in *Bangladesh Journal of Environmental Science*.
2	Validation and Delivery of New Technologies for Increasing the Productivity of Flood prone non-saline Rice Lands of Bangladesh (IFAD project) From 1999 to 2003	Selected a promising line BR6110-10-1-2through Farmers Participatory Variety Selection (PVS) procedure for tidal non-saline sub-ecosystem of Bangladesh. Finally, Bangladesh Rice Research Institute has released this line as a new variety named BRRI dhan44 and farmers of southern region are now growing this variety extensively.
3	Poverty Elimination Through Rice Research Assistance (PETRA) From 2000 to 2003	Developed low cost rice production technique such as direct wet seeding, judicial application of N fertilizer and pesticides for the resource poor Bangladeshi farmers. Paper published in *Bangladesh Journal of Seed Science and Technology*.
4	Use of agro-industrial by-products (green tea waste and rice bran) as an alternative of hazards agrochemicals in Organic Farming Systems From 2003 to 2009	Successfully developed green tea waste – rice bran compost that was eco-friendly, economic and socially acceptable for quality spinach production in Japan. The research findings were published in *Plant Production Science* (Crop Science Society of Japan), *Biology and Fertility of Soils* (Springer publisher).
5	Development an innovative technique of compost stability and quality determination measuring colour variations with composting time From 2006 to 2009	Quick, cost-effective and eco-friendly compost stability and quality determination technique was developed using CIELAB color space. It was absolutely a new technique that published in *Waste Management* (Elsevier publisher).
6	Pathogenic diversity of *Xanthomonas oryzae* pv. *Oryzae* in Bangladesh From 2009 to 2013	BB isolates collected from different regions and ecosystems of Bangladesh were evaluated their pathogenicity using BB resistant monogenic and found 16 races in Bangladesh. Selected the major race and *Xa21* gene found as candidate gene for developing durable BB resistant variety. *Bangladesh Journal of Plant Pathology.*
7	Marker assisted introgression of bacterial blight resistance genes in BRRI dhan52, a submergence tolerance rice variety of Bangladesh From 2010 to 2013	BC6F1 plants have already developed through pathogenicity tests and marker assisted selection. The research findings will be published soon in *Crop Breeding and Applied Biotechnology*.
8	Characterization of blast isolates collected from different regions and ecosystems of Bangladesh using differential varieties and Development of differential systems for blast resistance studies in Bangladesh. From 2009 to 2016	1280 blast isolates collected from different regions and ecosystems of Bangladesh. Among them 331 blast isolates have been evaluated using 25 differential varieties. 267 pathotypes were recognized. This is the first step of differential system development in Bangladesh. Paper published in *Plant Disease* (American Phytopathological Society).
9	Phenotypic screening and molecular analysis of blast resistance aromatic rice (*Oryza sativa* L.) germplasms in Bangladesh. From 2012 to 2013	Three new aromatic sources were selected for aromatic blast resistant rice variety development in Bangladesh. The research findings have already published in *Comptes Rendus Biologies* (Elsevier publisher).

10	Climate Change Impacts, Vulnerability and Adaptation: Sustaining Rice Production in Bangladesh. From 2011 to 2014	Sustainable way to mitigate adverse effect of climate change on rice production will be identified
11	Integrated Agricultural Productivity Project (IAPP)-BRRI part. From 2011 to 2016	Integrated approaches of farmers livelihood improvement will be developed
12	Genetic variation of resistance to blast (*Pyricularia oryzae* Cavara) in rice (*Oryza sativa* L.) germplasms of Bangladesh From 2014 to 2016	Blast resistance potentiality of Bangladesh rice germplasms have already cleared. Paper will be published soon in *Breeding Science* (An official journal of Japanese Breeding Society)
13	Genetic analysis for blast resistance in an Indica Group rice cultivar Basmati 370 From 2014 to 2016	Disease defense mechanism and reasons of resistance breakdown identified using differential system, and segregation and QTL analyses have already done. Results have already presented in the 130th meeting of Japanese Society of Breeding Science
14	Genetic analysis for blast resistance in an Indica Group rice cultivar NERICA-L-19 From 2014 to 2016	Disease defense mechanism and reasons of resistance breakdown identified using differential system, and segregation and QTL analyses have already done. Results not yet published anywhere. This selected variety will be considered as blast resistant variety in Bangladesh
15	Development of blast resistant rice varieties for Bangladesh. From 2014 to till date	Five BRRI varieties (BRRRI dhan28, BRRRI dhan29, BRRRI dhan34, BRRRI dhan63 and BRRRI dhan64) and one world trade aromatic variety Pusabasmati, were considered as recurrent parents and five resistance genes (*Pish*, *Pi9*, *Pita-2*, *pi21* and *Pb-1*) as donor. Ongoing activities.
16	Development of pre-breeding materials of blast resistance genes *pi21* and *Pb-1*. From 2014 to till date	Pre-breeding materials of blast resistance genes of *pi21* and *Pb-1* in an Indica Group cultivar (US-2) have already developed for blast resistance variety development in Asia and Africa.
17	A simple but robust inoculation technique of rice false smut disease (*U. virens*) From 2014 to 2016	A simple but robust inoculation technique of rice false smut disease has already developed. The research findings will be published soon in *Comptes Rendus Biologies* (Elsevier publisher).
18	Research Supervisor of Master degree students of Plant Pathology and Plant Breeding Division. From 2009 to till date	Six Master degree students of Plant Pathology and Plant Breeding Divisions have successfully completed their thesis on rice disease resistance under my direct supervision. Two PhD students are now doing his research under my supervision.

15. Awarded

1. Awarded ARMP (BRRI part) scholarship on Farming System Research Training at UPLB, Philippines
2. Awarded IRRI (Philippines) scholarship on IPM Training at IRRI, Philippines
3. Awarded Japan Government (MONBUKAGAKSHO) scholarship on MS leading PhD course at Japan
4. Awarded invitation to present a paper in Planet under Pressure Conference 2012 through the Environmental Change Institute at the University of Oxford, United Kingdom.
5. Awarded JIRCAS fellowship as visiting researchers on the development of differential system for blast resistance studies from Sept. 25, 2012 to Feb. 22, 2013 at JIRCAS, Tsukuba, Japan.
6. Awarded Japan Government Post Doctoral Fellowship (JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE, JSPS) from Nov. 1, 2014 to 31 Oct. 2016 at JIRCAS, Ishigaki, Okinawa, Japan.
7. Best Scientist Award at Bangladesh Rice Research Institute (BRRI) for the year of 2014.
8. TRB-BRRI Project Annual Award, 2019 for the excellent contribution in accelerating the rate of genetic gain delivered to Bangladesh rice growers.

16. Professional Experience:

Position	Period		
	From	To	Total Yr/Month
Scientific Officer	14-10-1998	17-12-2007	9 Yrs & 2 months
Senior Scientific Officer	18-12-2007	30-01-2019	11Yrs & 1 months
Principal Scientific Officer	31-01-2019	Till date	-

17. Special experience in project-based research activities

SL No.	Name of the project and period	Responsibilities
1	Validation and Delivery of New Technologies for Increasing the Productivity of Flood prone Rice Lands of Bangladesh (Barisal part) funded by IFAD from 1999-2003	Worked as a Working Scientist and responsible person for Barisal region
2	Post flood rehabilitation and adaptive research at Barisal region funded by BARC, Dhaka from 2001-2002	Worked as a Working Scientist
3	Poverty Elimination Through Rice Research Assistance (PETRA) funded by DFID, UK from 2000-2003	Worked as a Working Scientist
4	Pyramiding bacterial blight resistant genes into the genetic background of BR11-derived submergence tolerant rice lines funded by NATP, BARC from 2009-2013	Working a Co-Principal Investigator and responsible person of Pathology part
5	Blast Research Network Project funded by JIRCAS, Japan from 2009-2021	Working as a Working Scientist
6	Climate Change Impacts, Vulnerability and Adaptation: Sustaining Rice Production in Bangladesh funded by Norway from 2011-2014	Working as a Working Scientist
7	Integrated Agricultural Productivity Project (IAPP)-BRRI part funded by World Bank from 2011-2016	Working as a Core Scientist
8	Mujibnogar Agricultural Development Project (BRRI part) funded by Ministry of Agriculture from 2011-2016	Working as a Principal Investigator of Pathological experiments
9	Dissemination of Rice Crop Manager (RCM) through DAE and Union Information Center	Working as a Working Scientist
10	Study for co-differentiation of blast races and resistance genes in rice	As Japan Govt. Post Doc. Fellow (JSPS) from 2014-2016
11	Transforming Rice Breeding (TRB) Project, BRRI (Pathology Part) from 2016-2024	Working as a Principal Investigator
12	Simulating of Climate Change Impact on Rice Growth and Yield in Bangladesh using DSSAT Model	Working as a Working Scientist
13	Modeling climate change impact on agriculture and developing mitigation and adaptation strategies for sustaining agricultural production in Bangladesh, MCCA (CRP-2), Phase-2	Working as a Working Scientist

14	Identification of novel resistant gene(s), gene pyramiding and sustainable management of bacterial blight (BB) disease of rice (ID-091)	Working as a Working Scientist
15	Diagnoses of physical environment and pathogen biology responsible for rice blast disease outbreak in Bangladesh and build up awareness to the stakeholders	Working as a Principal Investigator
16	Development of Early Warning System of Rice Blast disease Model in Bangladesh (Collaboration with CIMMYT)	Working as a Team Leader
17	Smart deployment of resistance genes and ecological engineering to prevent rice yield loss and reduce pesticide dependency (VERDE)	Working as a Working Scientist
18	Sustainable management of blast, sheath blight and bacterial blight diseases of rice through nano-particles (NPs)	Working as a Working Scientist

18. Teaching experience in National/International Universities

SL No.	Title of the job and duration	Concern University/Institute
1	**Teaching Assistant** for the teaching of graduate and under graduate student of Agricultural Sciences from April 2004 to March 2009.	Faculty of Agriculture, Saga University, Japan
2	**Master Trainer** of Extension Personnel on Plant Diseases Management Course from 1998 to till now	DAE, BADC, BRRI and different NGOs
3	**Guest Lecturer** of Non-formal Agricultural Education from April 2004 to March 2009.	ABANSE, Saga shi, Japan
4	**Lecturer** of Japanese language course from April 2004 to March 2009.	ABANSE, Saga shi, Japan

19. Experience as research supervisor of MS/PhD student of different universities

SL No	Research title	Concern University	Year of passing	Registration number	Degree
1	SCREENING OF RESISTANT SOURCES OF RICE AGAINST *Xanthomonas oryzae* pv. *oryzae*	Bangladesh Agricultural University, Mymensingh	July-December, 2011	32051/2005-06	MS
2	EVALUATION OF CHEMICALS AGAINST BACTERIAL BLIGHT OF RICE CAUSED BY *Xanthomonas oryzae* pv. *oryzae* IN BANGLADESH	Bangladesh Agricultural University, Mymensingh	July-December, 2011	32186/2005-06	MS
3	FIELD EVALUATION OF BRRI BORO RICE VARIETIES FOR BACTERIAL BLIGHT AND SHEATH BLIGHT DISEASES	Bangladesh Agricultural University, Mymensingh	July-December, 2013	38319/2007-08	MS
4	CONFIRMATION OF BLAST RESISTANT SOURCES FROM THE AROMATIC RICE GERMPLASMS IN BANGLADESH	Patuakhali Science and Technology University, Dunki, Patuakhali	June 2013	01307/2006-07	MS

5	DEVELOPMENT OF RECOMBINANT LINES SUITABLE FOR TIDAL NON-SALINE SUB-ECOSYSTEM OF BARISAL REGION	Patuakhali Science and Technology University, Dunki, Patuakhali	December 2014	01815/2007-08	MS
6	IDENTIFICATION OF STRAINS OF *Xanthomonas oryzae* pv. *oryzae* CAUSING BACTERIAL LEAF BLIGHT OF RICE IN BANGLADESH AND SCREENING OF SOME EXOTIC RICE GENOTYPES AGAINST THE PATHOGEN	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	Summer 2011	2009-08-2356	MS
7	Efficacy of silver nanoparticles against rice blast disease and farmers perception about its management in Bangladesh	SLU, Swedish University of Agricultural Sciences	2019	EX0848	MS
8	STUDY ON PATHOGENIC DIVERSITY OF RICE BLAST PATHOGEN USING DIFFERENTIAL SYSTEM	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	Winter 2020	18-05-4877	MS
9	STUDIES ON THE BLAST RESISTANCE MECHANISM OF BRRI DHAN33 USING DIFFERENTIAL SYSTEM AND MOLECULAR MARKER	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	Winter 2020	14-05-3232	MS
10	PATHOTYPIC DIVERSITY OF WHEAT BLAST PATHOGEN (*MAGNAPORTHE ORYZAE TRITICUM*) IN BANGLADESH	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	Winter 2020	14-05-3239	MS
11	Role of Strigolactones in Defense Against Bacterial Leaf Blight in Rice	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	Summar 2021	18-11-4933	MS
12	PHENOTYPIC SCREENING AND MOLECULAR CHARACTERIZATION OF RICE GENOTYPES FOR SALT TOLERANCE	Patuakhali Science and Technology University, Dunki, Patuakhali	December, 2018	Roll No. 05/2015 Registration. 05538/2015	PhD
13	MANAGEMENT OF RICE FALSE SMUT DISEASE THROUGH MINERAL NUTRITION AND FUNGICIDE APPLICATION IN TWO DIFFERENT RICE ECOSYSTEMS OF BANGLADESH	Bangladesh Agricultural University, Mymensingh (BAU)	September, 2019	Roll No. 01 (2014) Reg. No. 11371 (1982-83)	PhD
14	OCCURRENCE, PATHOTYPIC DISTRIBUTION, RESISTANCE SOURCE AND CONTROL OF RICE BLAST PATHOGEN (*Pyricularia oryzae*)	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	Summar, 2021	17-05-4492	PhD
15	MORPHO-MOLECULAR CHARACTERIZATION OF RICE (*Oryza sativa* L.) GERMPLASM AND ESTIMATION OF BLAST RESISTANCE GENE OF SELECTED GENOTYPES IN BANGLADESH	Bangladesh Agricultural University, Mymensingh (BAU)	On going REG. NO. 21562		PhD

20. Training:

(a) In Country:

Organization	Year	Duration		Name of programme
		Mos.	Days	
BAU	1995	0	5	Field Training on Upazila (Small Unit of Agricultural Extension) System
BRRI	1998	2	0	Rice production, Communication and Office management
AIS	2001	0	2	Technique of Agricultural Technology Transfer through Mass Media
BARD	2001	3	15	Foundation training course for NARS scientists
BRRI	2002	0	5	Breeder Seed Production

BRRI	2012	0	7	Theory and Practice of Molecular Breeding in Rice
BRRI	2013	0	8	Gene Cloning and Rice Transformation
BARC	2013	0	6	Research Proposal Preparation and Scientific Report Writing
BRRI	2013	0	6	Genetic data analysis software
BARI	2013	0	6	On-farm Research Methodology
NATA	2018	0	14	Project Management, Procurement and Monitoring
a2i	2018	0	5	Innovation in Public Service
BRRI	2018	0	3	B4R
BRRI	2019	0	4	Decision Support System for Agro-Technology Transfer (DSSAT)
BUET	2019	0	3	Climate Input Data Processing and Analysis
a2i	2019	0	2	Mentoring
BRRI	2020	0	3	Hands on Training on HPLC Method Development
BRRI	2020	0	3	Hands pn Training on Data Analysis for Crop Modeling
BRRI	2020	0	11	Application of Bioinformatics in Rice Improvement
a2i	2020	0	2	Service Process Simplification (SPS)
PKSF	2020	0	5	Introduction to GCF Modalities and Procedures
BRRI	2021	0	4	Introduction to GIS and Remote Sensing in Agricultural Research

(b) Abroad:

Country	Year	Duration		Name of programme
		Mos.	Days	
UPLB, Philippines	2001	2	0	Training course on Farming Systems Research and Development
IRRI, Philippines	2003	0	21	Training Course on Integrated Pest Management (IPM)
Saga University, Japan	2003	6	0	Intensive Japanese Language Programme
Japan International Research Center for Agricultural Sciences (JIRCAS)	2013	5	0	Development of a Differential System for Rice Blast Resistance in Bangladesh

21. Scientific Publications

(a) Journal Papers:

(i) Paper Published in the Reputed International Journal

Sl. No	Author (s), Year of publication, Title, Journal name, Volume &/or Issue no. and Page number of the scientific papers	Publisher	Impact factor
As Principal author			
1	**Khan M.A.I.,** M.A. Ali, M.A. Monsur, A. Kawasaki-Tanaka, N. Hayashi, S. Yanagihara, M. Obara, M.A.T. Mia, M. A. Latif, and Y. Fukuta. 2016. Diversity and Distribution of Rice Blast (*Pyricularia oryzae* Cavara) Races in Bangladesh. Plant Disease 100(10): 2025-2033.	American Phytopathological Society	4.438
2	**Khan M.A.I.**, M.A. Latif, M. Khalequzzaman, A. Tomita, M.A. Ali and Y. Fukuta. 2017. Genetic variation of resistance to blast (*Pyricularia oryzae* Cavara) in rice (*Oryza sativa* L.) germplasms of Bangladesh. Breeding Science 67: 493–499.	Japanese Breeding Society	2.506
3	**Khan M.A.I.,** M.R. Buiyan, M. S. Hossain, P. P. Sen, A. Ara, M. A. Siddique and A. A. Ali. 2014. Neck blast disease influences grain yield and quality traits of aromatic rice. C. R. Biologies. 337: 635-641.	Elsevier	1.904
4	**Khan, M.A.I.,** Partha Pratim Sen, Rejwan Bhuiyan, Enamul Kabir, Abul Kashem Chowdhury,Yoshimichi Fukuta, AnsarAli and Mohammad Abdul Latif. 2014. Phenotypic screening and molecular analysis of blast resistance in fragrant rice for marker assisted selection. C.R.Biologies 337: 318–324.	Elsevier	1.904
5	**Khan, M.A.I.,** Ueno, K., Horimoto, S., Komai, F., Tanaka, K. and Ono, Y. 2007. Evaluation of the physio-chemical and microbial properties of green tea waste – rice bran compost and the effect of the compost on spinach growth. Plant Production Science 10 (4): 391-399.	Crop Science Society of Japan	1.696
6	**Khan, M.A.I.,** Ueno, K., Horimoto, S., Komai, F., Someya, T., Inoue, K., Tanaka, K. and Ono, Y. 2009. CIELAB color variables as indicators of compost stability. Waste Management 29: 2969-2975.	Elsevier	6.227
7	**Khan, M.A.I.,** Ueno, K., Horimoto, S., Komai, F., Tanaka, K. and Ono, Y. 2009. Physicochemical, including spectroscopic, and biological analyses during composting of green tea waste and rice bran. Biology and Fertility of Soils 45 : 305-313.	Springer	5.521
As Co-author			
8	Asad-Uz-Zaman Md., Bhuiyan M.R., **Khan M.A.I.,** Bhuiyan M.R., Latif M.A. 2015. Integrated options for the management of black root rot of strawberry caused by *Rhizoctonia solani* Kuhn C. R. Biologies 338 : 112–120.	Elsevier	1.904
9	Rashid M.M., Kabir M.H., Hossain M.M., Bhuiyan M.R. and **Khan M.A.I.** 2015. Eco-Friendly Management of Chilli Anthracnose (*Colletotrichum capsici*). International Journal of Plant Pathology. 6 (1): 1-11 DOI: 10.3923/ijpp.2015.1.11	Science Alert	2.169
10	Moni ZR, MA Ali, MS Alam, MA Rahman, MR Bhuiyan, MS Mian, KM Iftekharuddaula, MA Latif, **MAI Khan**. 2016. Morphological and Genetical Variability among *Rhizoctonia solani* Isolates Causing Sheath Blight Disease of Rice (*Oryza sativa* L.). Rice Science. 23(1): 42-50.	Elsevier	3.31
11	Islam MR., Alam MS, **Khan MAI**, Hossain I, Adam LR and Daayf F. 2016. Analyses of genetic diversity of bacterial blight pathogen, *Xanthomonas oryzae* pv. *oryzae* using IS*1112* in Bangladesh. Comptes Rendus Biologies. doi:10.1016/j.crvi.2016.06.002	Elsevier	1.904
12	M. M. Emam Ahmed, **M. Ashik Iqbal Khan**, Md. Shahjahan Kabir, Yoshimichi Fukuta and Mitsuhiro Obara. 2020. Genetic variations of root development traits under different concentrations and forms of nitrogen in Bangladeshi rice (*Oryza sativa* L.) accessions, Soil Science and Plant Nutrition, DOI: 10.1080/00380768.2020.1843370	Japanese Society of Soil Science and Plant Nutrition (JSSSPN)	2.389

13	Chowdhury R. Rahman, Preetom S. Arko, Mohammed E. Ali, **Mohammad A. Iqbal Khan**, Sajid H. Apon, Farzana Nowrin, Abu Wasif. 2020. Biosystems Engineering 194: 112-120.	Elsevier	4.140
14	Chhourn Orn, Hiroki Saito, **Mohammad Ashik Iqbal Khan**, Mohammad Rajiwan Nhuiyan, Thun Vathany, Sathaya Khay, Ouk Makara and Yoshimichi Fukuta. 2020. Genetic variation of rice (*Oryza sativa* L.) germplasm in Cambodia. Breeding Science doi: 10.1270/jsbbs.20052	Japanese Breeding Society	2.506
15	Rashid M Mamunur, Sheikh Arafat Islam Nihad, Mohammad Ashik Iqbal Khan, Ahsanul Haque, Anjuman Ara, Tasnia Ferdous, Md. Al-Imran Hasan and Mohammad Abdul Latif. 2021. Pathotype profiling, distribution and virulence analysis of *Xanthomonas oryzae* pv. *oryzae* causing bacterial blight disease of rice in Bangladesh. Journal of Phytopathology 169 (7): 1-9. https://doi.org/10.1111/jph.13000	Wiley	1.179

(ii) Other International & National Journal

Sl. No.	Author (s), Title, Year of publication, Journal name, Volume &/or Issue no. and Page number of the scientific papers
As Principal author	
16	**Khan, M.A.I.** , I. Hossain and A. K. Podder. 1998. Biological Seed Treament with Rhizobial Inoculants to Control Foot and Root Rot of Lentil (*Lens culinaris* M.). Bangladesh J. Environ. Sci. 4 : 146-151.
17	**Khan, M.A.I.**, M.A. Rashid, M.A. Muttaleb and M.S. Hossain. 2001. Adoption of selected recommended practices of BRRI dhan27 in tide prone non-saline area. Bangladesh Rice J. 10(1&2): 43-47.
18	**Khan, M.A.I.,** M.A.Hossain, M.A.H.Khan, M.A.Rahman, B.C.Roy and Nur-E-Elahi, 2001. Yield performance and comparative cost analysis of wet seeded and transplanted boro rice. Bangladesh Journal of Seed Science and Technology 5 (1&2): 79-84.
19	**Khan, M.A.I.,** S. Hossain, M.A. Rahman, S.M. Jobair Hossain and G.M. Mujibar Rahman. 2002. Solar heat: it's use for controlling seed borne fungal infections of wheat. Pakistan Journal of Biological Sciences 5 (4): 449-451.
20	**Khan, M.A.I.,** Ueno, K., Horimoto, S., Komai, F., Tanaka, K. and Ono, Y. 2007. Evaluation of the use of rice bran compost for eco-friendly weed control in organic farming systems. American Journal of Environmental Sciences 3 (4) :235-240. **DOI:**10.3844/ajessp.2007.235.240
21	**Khan, M.A.I.,** Ueno, K., Horimoto, S., Komai, F., Tanaka, K. and Ono, Y. 2007. Evaluation of the upland weed control potentiality of green tea waste – rice bran compost and its effect on spinach growth. American Journal of Agricultural and Biological Sciences 2 (3) : 142-148. **DOI :** 10.3844/ajabssp.2007.142.148
22	**Khan, M.A.I.,** M.S. Kabir, M.A. Monsur, M.A. Ali and M.A.T. Mia. 2009. Pathogenic diversity of *Xanthomonas oryzae* pv. *oryzae* in Bangladesh. Bangladesh J. Plant Pathol. 25(1&2): 1-6.
23	**Khan, M.A.I.,** M.A. Monsur, M.S. Hossain, B. Nessa, M.A.H.B. Bhuiyan, T.H. Ansari and M.A.T. Mia. 2010. Evaluation of new chemicals against bacterial leaf blight disease of rice. Eco-friendly Agril. J. 3(5): 242-246.
24	**Khan, M.A.I.**, MS Kabir, MA Monsur, M Tuhina-Khatun, B Nesa, MM Rshid, MR Bhuiyan, TH Ansari, MA Ali and MAT Mia. 2010. Reaction of some pyramid lines to bacterial leaf blight pathogen in Banglades. Bangladesh J. Plant Pathol. 26(1&2):45-51.
25	**Khan M.A.I**., Hira M.H.R., Rahaman S., Moni Z.R., Hussen M.A.M., Someya T. and Ueno K. 2019. WAY OF COMPOST APPLICATION FOR ORGANIC FARMING. SAARC J. Agric. 17(1): 211-217.
As Co-author	
26	Hossain, I, **M.A.I. Khan** and A. K. Podder. 1999. Seed Treament with *Rhizobium* in Controlling *Fusarium oxysporum* and *Sclerotium rolfsii* for Biomass and Seed Production of Lentil (*Lens culinaris* M.). Bangladesh J. Environ. Sci. 5 : 61-64.

27	Hossain, I., M. A. Jalil, **M.A.I. Khan** and F. M. Aminuzzaman. 2000. Seed treatment with *Rhizobium* and NPK nutrition on disease incidence and yield of chick pea (*Cicer arietinum*). Bangladesh Journal of Seed Science & Technology 4 (1&2):1-6.
28	Hossain, M. S., M. A. Rahman, **M.A.I. Khan**, Abdullaha-Al-Mahbub and G. M. Mujibar Rahman, 2001. Use of solar energy as seed treating agent to control the seed borne fungi of rice. Bangladesh Journal of Environmental Science Vol. 6, 351-354.
29	Hossain, I., M.A.Jalil, **M.A.I.Khan** and F. M. Aminuzzaman. 2000. Effect of *Rrhizobium* either alone or in combination with N, P and K on foot rot Lentil (*Lens culinaris*). Bangladesh Journal of Environmental Science Vol. 6, 177-182.
30	Jobair Hossain, S.M., M. A. Hossain, M. A. Rahman**, M.A.I. Khan**, Abdullah-Al-Mahbub and G. R. Janardhana. 2002. Microbiological Quality of Different Companies Bottled Mineral Water and Normal Drinking Water Available in Mysore City, India. Bangladesh Journal of Environmental Science Vol. 6, 241-244.
31	Rashid, M.A., M.A. Muttaleb, **M.A.I. Khan** and M.S. Hossain. 2001. Problem confrontation of the farmers in modern Aus rice cultivation in tidal non-saline ecosystem. Bangladesh Rice J. 10(1&2): 49-53.
32	Jobair Hossain, S. M., **M.A.I. Khan,** M. A. Rahman , M. A. Hossain, S. S. Haque and G. R. Janardhana. 2002. Biodiversity study of *Fusarium* spp. On stored cereal grains in Karnataka State, India. Pakistan Journal of Biological Sciences 5 (4): 446-448.
33	Rahman, M. A., **M.A.I. Khan,** S. M. Jobair Hossain, M. S. Hossain, M. A. Hossain and S. S. Haque, 2002. Quantitative Karyotype Analysis of *Lycopersicon esculentum* cv. Oxheart. Pakistan Journal of Biological Sciences 5 (5): 581-584.
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22	Mia, MAT, Miah, MS, Ali, MA and **Khan, MAI.** 2008. Blast disease of rice in Bangladesh: A Review. Paper presented in Annual meeting for blast research network held at JIRCAS Tuskuba, Japan on October 28, 2008.
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24	Kawasaki, AT, Sere Y, Suwarno, Padolina, Chau, Inthapanya, **Khan, MAI**, Fukuta, Y. 2010. Diversity of blast race and variation of rice cultivar in several countries and regions. Paper presented in the International Conference on Managing Bio-diversity for Sustainable Development held on October 3-9, 2010 at Yunnan Agricultual University, Kunming, Yunnan, China.
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27	Latif M A, M M Rashid, H A Dilzahan, A Ara and **MAI Khan** 2018. Identification of physiological races of *Xanthomonas oryzae* pv *oryzae*, evaluation of bacterial blight resistant pyramid lines and development of resistant varieties through marker assisted selection in Bangladesh. Paper presented at the 5th International Rice Congress held at Singapore on October 15-17, 2018.

22. Outstanding performance

(i) Invited as resource speaker for different types of training/teaching/radio programme

1. Invited as resource speaker for the training programme on New Agricultural Extension Policy (NAEP) of the members of Upazila Agricultural Extension Co-ordination Committee of 26 upazilas of Barisal, Jhalokhati, Pirojpur and Patuakhali districts.
2. Invited as resource speaker for Extension personnels and Farmers training on Rice Production especially on disease management.
3. Joined as Teaching Assistant for the teaching of under graduate student of Agriculture Faculty, Saga University, Japan from Arril 2004 to March 2009.
4. Regular Radio Programmer of Radio Bangladesh on rice cultivation especially on rice diseases.

(ii) Member of different professional society

1. Life member of Bangladesh Phytopathological Society
2. Life member of Bangladesh Association for the Advancement of Science
3. Life member of Seed Science Society of Bangladesh
4. Life member of Plant Breeding and Genetics Society of Bangladesh
5. Life member of Bangladesh Society of Seed Technology
6. Life member of Krishibid Institution, Bangladesh
7. Life member of Bangladesh JSPS Alumni Association
8. Associate member Bangladesh Botanical Society
9. Member of BRRISA, BRRI, Gazipur
10. Member of Organic Farming Society of Japan
11. Member of Crop science Society of Japan
12. Member of Plant Breeding Society of Japan

(iii) Research station management

1. Responsibled as Chairman of most of the Management Committee of BRRI Regional Station, Barisal during 1999
2. Responsibled as Chairman of most of the Management Committee of BRRI Regional Station, Barisal during 2000
3. Responsibled as Chairman of most of the Management Committee of BRRI Regional Station, Barisal during 2001
4. Responsibled as Chairman of one of the Management Committee of BRRI Regional Station, Barisal during 2002

(iv) Others

1. Regular reviewer of the national/international scientific journal of CR Biology (Elsevier), Canadian Journal of Plant Pathology (Frances and Taylor), BioResearch and Eco-friendly Agriculture Journal
2. Worked as a working scientist in the activities of PETRRA funded different sub-projects in Bangladesh.
3. Joined in UAECC, DEPC and ATC meeting at Barisal region.
4. Conducted survey work on farming systems in the tide prone southern region of Bangladesh
5. Published research achievements in daily Japanese News Paper (in Japanese) and NHK Television, Japan
6. Conducted research as a group with Japanese student on Organic Farming at Saga University, Japan
7. Member BRRI Technical Evaluation Committee.
8. Member BRRI Praccolon Jachai Committee

23. Language proficiency:

Language Ability				
	Reading	Writing	Hearing	Speaking
Japanese	Excellent	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent	Excellent
Bangla	Excellent	Excellent	Excellent	Excellent
Arabic	Excellent	Excellent	Good	Good
Urdu	Good	Good	Good	Good

24. Referees:

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