CV of Dr. Md. Humayun Kabir

1.	Name	**: Dr. Md. Humayun Kabir**
2.	Father's name	: Late Md. Majder Rahman
3.	Mother's name	: MRS. Hasna Hena
4.	Husband's name (if applicable)	: Not applicable
5.	Gender	: Male
6.	Designation	: Chief Scientific Officer & Head, Adaptive Research Division, BRRI, Gazipur
7.	Institution	: Bangladesh Rice Research Institute
8.	Date of joining in the present position	: 21 November, 2019
9.	Date of joining in service	: 20 August, 1998
10.	Date of birth and age	: 15 June, 1968 and 53 years

11. Educational Qualification (Attachment 01):

Degree/Diploma Certificate	Class/Grade/Division	University/Institute/Board	Year
S.S.C.	1st Division	Rajshahi Board	1984
H.S.C.	1st Division	Rajshahi Board	1986
B. Sc. Ag. (Hons.)	2nd class	Bangladesh Agricultural University, Mymensingh	1994 (1990)
M. S. in Agronomy	1st class	Bangladesh Agricultural University, Mymensingh	1996
Ph.D. in Agronomy	Satisfactory	Bangladesh Agricultural University, Mymensingh	2007

12. Field of Specialization: Rice Farming Systems and Adaptive Research

13. Training (Attachment 02):

(a) In Country:

Organization	Year	Duration		Name of programme
		Mos	Days	
BRRI, Gazipur	1998	2	-	Rice production, Communication & Office Management
BRRI, Gazipur	1999	-	12	Farming Systems Research and Development Methodology
BARD, Comilla	2000	3	15	Foundation Training Course
BARD, Comilla	2000	-	21	Computer Training
BARD, Comilla	2000	-	21	Motor Driving Course
BRRI, Gazipur BARC (Organized)	2004	-	10	Use of manual for fertilizer analysis
BARC, Dhaka	2009	-	03	Financial Management
BARD, Comilla BARC (Organized)	2011	-	15	Administrative and Financial Management
BARC, Farmgate, Dhaka	2016		5	Project Development and Management
Agricultural Extension in South Asia (AESA) Manikganj, Dhaka, Bangladesh	2016	-	2	Capacity need assessment of extension and advisory service providers

(b) Abroad

Country	Year	Duration		Name of programme
		Months	Days	
FSSRI, UPLB, Philippines	2001	2	-	Farming Systems Research and Development
Ministry of Commerce, People's Republic of China	2011	-	20	Hybrid Rice Research & Extension
Vietnam	2017	-	10	Knowledge sharing Improvement rice variety
Thailand	2018	-	10	Knowledge sharing Improvement rice variety

14. Experience (Attachment 03)

Position	Period		
	From	To	Total Yr/Mo
Scientific Officer (SO)	20-08-1998	20-12-1998	04 months
SO & Head, BRRI, R/S, Bhanga	21-12-1998	21-03-1999	03 months
Scientific Officer, R/S, Bhanga	22-03-1999	11-07-1999	03 months 19 days
SO & Head, BRRI, R/S, Bhanga	12-07-1999	11-09-1999	02 months
Scientific Officer, R/S, Bhanga	12-09-1999	29-06-2000	09 months 17 days
SO & Head, BRRI, R/S, Bhanga	30-06-2000	05-08-2000	02 months
Scientific Officer, R/S, Bhanga	06-08-2000	27-02-2003	5 years 9 months 25 days
Scientific Officer, RFSD, BRRI	27-02-2003	31-05-2006	2 years 11 months 15days
Senior Scientific Officer, RFSD, BRRI, Gazipur	01-06-2006	16-05-2009	3 years
Principal Scientific Officer, ARD, BRRI Gazipur	17-05-2009	23-07-2013	4 years 2 months 06 days
Project Coordinator, Minimizing Rice Yield Gap Project, BRRI Gazipur	16-04-2011	30-06-2014	3 years 2 months 15days
Principal Scientific Officer & Head, BRRI R/S, Satkhira	24-07-2013	23-12-2015	2 years 5 months
Principal Scientific Officer, ARD, BRRI Gazipur	24-12-2015	13-08-2016	About 8 months
Project Director, SPIRA Project	14-08-2016	04-12-2019.	3 years 3 months 20 days
Chief Scientific Officer, ARD, BRRI Gazipur	21-11-2019	14-12-2019	24 days
Chief Scientific Officer, & Head, ARD, BRRI Gazipur	15-12-2019	To-date	
Total			22 years 10 months 10 days

15. Publication: SO to PSO (Attachment 04)

List of all publications, photocopies of 1st page of all publications are attached.

(a)	Scientific journal	No. of publication
	(i) Full paper in International and National Journal	
	Principal author	15
	Co-author	11
	Short Communication	00
(b)	Books/Monograph/Bulletins	00
(c)	Seminar/Workshop/Symposium Proceedings	
	(i) National	
	Principal author	01
	Co-author	04
	(ii) Project Completion Reports	
	Principal author	01
	Co-author	03
	(iii) Research Reports	
	Principal author	04
	Co-author	01
	(iv) Popular article published in Newspaper	01
	(v) Trainer	02

16. Research achievement: List duly endorsed by the Head of Division and Director (Research is attached (Attachment 05).

(i) No. of Technology Developed (SO to PSO):

(ii) No. of Research Program (SO to PSO):

(a) Developed: 39

(b) Supervised: 60

(c) Executed: 59

17. Outstanding achievement (SO to PSO): List duly endorsed by the Head of the Division and Director Research is attached (Attachment 06)

15. List of publications (Attachment 04)

Full paper as Principal Author (15)

01. **MH Kabir**, MSU Bhuiya, Abhijit Saha, MAH Khan and Nur-E-Elahi. 2008. Effect of Crop Establishment Method and Time of Nitrogen Application on the Productivity of Boro Rice in Lowland Ecosystem. Bangladesh Rice J. 14(1&2): 1-6, 2008.

02. **MH Kabir,** A Saha, MAH Khan, MMR Dewan and MSA Talukder. 2008. Utilization of fallow land under major cropping pattern in Barisal division. International Journal of BioResearch. 5(3): 53-59.

03. **MH Kabir,** MSU. Bhuiya, MSA. Talukder, M Ibrahim and MM Karim. 2008. Effect of crop establishment technique and weed control method and nitrogen management options on the productivity of *Boro* rice in highland ecosystem. Bangladesh Journal of Progressive Science and technology. 6 (2): 381-384.

04. **MH Kabir,** MSU. Bhuiya, MIU Molla, A Saha and Nur-E-Elahi. 2008. Effect of crop establishment methods, nitrogen application methods and weed management practices on the productivity of *Boro* rice in lowland ecosystem. Bangladesh Journal of Progressive Science and technology. 6 (2): 385-388.

05. **MH Kabir,** A Saha, MIU Mollah, MS Kabir and F Rahman. 2008. Effect of crop establishment method and weed management practices on the productivity of boro rice in lowland ecosystem. International Journal of BioReserarch. 5(2): 42-51.

06. **MH Kabir,** MSU. Bhuiya, MM Karim and Nur-E-Elahi. 2008. Effect of crop establishment method and levels of nitrogen on the productivity of *Boro* rice in highland ecosystem. Bangladesh Journal of Progressive Science and technology. 6 (1): 25-28.

07. **MH Kabir,** MSU. Bhuiya, MH Rashid, MAH Khan and Nur-E-Elahi. 2008. Effect of crop establishment method and weed management on the productivity of *Boro* rice in highland ecosystem. International Journal of BioReserarch. 4(2): 52-63.

08. **MH Kabir,** MSU Bhuiya, MM Karim and Nur-E-Elahi. 2007. Effect of crop establishment method and levels of nitrogen on the productivity of *Boro* rice in lowland ecosystem. Bangladesh Journal of Crop Science. 18 (2): 401-408.

09. **MH Kabir,** MSU Bhuiya, Nur-E-Elahi and MH Rashid. 2007. Effect of crop establishment method and time of nitrogen application on the productivity of *Boro* rice in highland ecosystem. Bangladesh Journal of The Agriculturist. 5(1&2): 67-76.

10. **MH Kabir,** M Haque, MSH Hawlader, PS Biswas and BK Sarker. 2007. Farmer's Participatory Variety Selection of Deepwater Rice. Bangladesh Rice Journal. 12 (1&2): 75-78, 2007.

11. **MH Kabir**, N Ferdous, MF Islam, MS Islam and A Khatun. 2004. Participatory evaluation of on advanced line with chek variety of T.Aman rice. Journal of Science Foundation. 2(1):55-58.

12. **MH Kabir,** AH Khan, A Khatun and Nur-E-Elahi. 2003. Cropping Patterns, Area coverage, Adoption and Yield of Modern Varieties of Rice and Strategies for Improvement of Faridpur District. Journal of Agricultural Education and Technology. 6(1&2): 75-82.

13. **MH Kabir**, MS Rahman and SMA Hossain. 2001. Effect of plant spacing and variety / advanced line on the growth and yield of boro rice. Bangladesh Journal of Crop Science. 12(1& 2): 131-137.

14. **MH Kabir**, MS Rahman and SMA Hossain. 2001. Effect of plant spacing and variety / advanced line on the crop characters, yield and yield components of boro rice. Bangladesh Journal of Crop Science. 12(1 & 2): 139-144.

15. **MH Kabir**, MSH Hawlader, BK Sarkar and Nur-E-Elahi, 2000. Study on the performance of alternative boro rice establishment methods at low and very lowland ecosystems of Faridpur region. Journal of Agricultural Education and Technology. 3(1 & 2): 65-68.

Full Papers as Co-author (09)

01. Biswajit karmakar, Stephan M. Haefele, Amelia Henry, Md Humayun Kabir, Aminul Islam and Jatish Chandra Biswas. 2021. In quest of nitrogen use-efficient rice genotypes for drought-prone rainfed ecosystems. Plan-Soil Interactions, a section of the journal Frontiers in Agronomy. 15 January, 2021. dor. 10.3389/fagro.2020607792.

02.Manir, MR, MR Bhuiyan, TA Poly, **MH Kabir** and KP Halder. 2015. Biophysical factors defining rice yield gaps in Bangladesh. Eco-friendly Agril. J. 8 (06): 70-76, 2015.

03. Mollah, MIU, MSU Bhuiya, A Khatun, **MH Kabir**, M S Ali and A H Khan. 2009. Bed planting - A water saving technology in Rice-Wheat cropping system. Bangladesh Rice Journal 14(I&2): 139-146, 2009

04. Mollah, MIU, MSU Bhuiya, **MH Kabir**, S M A Hossain and A Saha. 2009. Evaluation of transplant Aman rice on raised bed in Rice-Wheat cropping sequence. Bangladesh Rice Journal 14(I&2): 127-132, 2009.

05. Mollah, MIU, MSU Bhuiya, **MH Kabir**, A Khatun and A Saha. 2009. Nitrogen use efficiency of direct-seeded Aman rice under bed planting method in Rice-Wheat cropping system. Bangladesh Rice Journal 14(I&2): 133-138, 2009.

06. Mollah, MIU, MSU Bhuiya and **MH Kabir**. 2009. Bed planting - A new crop establishment method for wheat in Rice-Wheat cropping system. Journal of Agriculture and Rural Development. Bangladesh Open University.

07. Saha, A, AR Sarker, SMA Hossain and **MH Kabir**. 2008. Evaluation of SRI in Perspective to Maximize Yield and Profitability of Boro Rice. Bangladesh Rice J. 13 (1): 99-105, 2008.

08. Khatun A, AH Khan, Nur-E-Elahi, MH Rashid and **MH Kabir**. 2003. Agro-economic productivity of two and three crop system in the irrigated ecosystem. Journal of the Bangladesh Agricultural University. 1(1): 1-5.

09. Hawlader, MSH, BK Sarkar, **MH Kabir** and AW Julfiquar. 2002. Participatory evaluation of hybrid rice in Faridpur region. Bangladesh Journal of Agricultural Research 27(3): 363-369, September 2002.

10. Rahman MM, MA Salam, MSU Bhuiya, M Asaduzzaman and **MH Kabir**. 2001. Effect of Sowing Date and Boron Fertilization on the Yield of Wheat. Journal of Agricultural Education and Technology 4 (1 & 2): 87-92, December 2001.

11. Hawlader, MSH, BK Sarkar and **MH Kabir.** 2001. Participatory varietal selection of deepwater rice in Faridpur region. Bangladesh Rice Journal 10(1&2): 111-114.

Seminar/Workshop Proceeding (5):

01. Hawlader, MSH, BK Sarkar, **MH Kabir** and AW Julfiquar. 2002. Participatory evaluation of hybrid rice: An innovative approach. Paper presented in the national workshop on “Hybrid Rice R & D in Bangladesh: Progress and Future Strategies and

Approaches" held during 5 - 6 January at BRRI, Gazipur 1701: 56 Hybrid Rice in Bangladesh: Progress and Future Strategies.

02. MA Quddus, **MH Kabir**, A Saha, AH Khan, MIU Molla, M Ibrahim and MSA Talukder. 2008. Rice based improved cropping systems research of BRRI. Paper presented in National Workshop on Multiple Cropping held at BARC, Farmgate, Dhaka, April 23-24, 2008.

03. **MH Kabir,** AH Khan, MSH Hawlader, A Quddus and M Ibrahim. Alternate Establishment Methods of Boro Rice in Medium Low and Low land Ecosystem. Paper presented on BRRI Thursday Seminar. 15th April, 2004.

04. **MH Kabir**, Department of Agricultural Extension personnel and other member of DAPC. 1999. Proceedings of District Agricultural Technical Committee, Faridpur District. Dated :19-10-1999.

05. **MH Kabir**, Department of Agricultural Extension personnel and other member of DAPC. 2002. Proceedings of District Agricultural Technical Committee, Madaripur District. Dated-27-11-2002.

Project Completion Report (4):

01. M. H. Kabir 2021. Project Completion Report for Strengthening physical infrastructure and research activities of Bangladesh Rice Research Institute. GOB Project, Ministry of Agriculture. Government of The People's Republic of Bangladesh. Dhaka.

02. M. H. Kabir 2014. Project Completion Report for Minimizing Rice Yield Gap Project. GOB Project, Ministry of Agriculture. Government of The People's Republic of Bangladesh. Dhaka 49p.

03. Hawlader, MSH, BK Sarkar and **MH Kabir.** 2001. Final Report on Post Flood Rehabilitation and Adaptive Research Support Project. A contract research project, BARC, Farmgate, Dhaka 35p.

04. Hawlader, MSH, MA.J Mridha, DC Ray, MS Islam, **MH Kabir,** M Zakaria and FJ Seema. 2000. Stakeholder analysis report. Bhanga, Faridpur. An initial prioritization of rice production issues within the context of the livelihoods of resource-poor farm households. Poverty Elimination Through Rice Research Assistance Project. IRRI, Banani, Dhaka 25p.

05. Montesur, G.J., Calub, MB., **MH Kabir,** MS Kabir, SM Islam, and S Parvin. 2001. Participatory Rural Appraisal Report, Barangay Pansol, Pila Laguna, Philippines.

Research Report (2):

01. **MH Kabir**, A Saha, MAH Khan and MA Quddus. 2008. Fallow land under major cropping pattern of Barisal Division and probable measures for cultivation (In Banguli). May, 2008.

02. A Saha, **MH Kabir**, AH Khan and MA Quddus. 2008. Proposal of Agricultural activities of Greater Barisal Charanchol and other charanchol of Bangladesh under Integrated Area Development Programme (In Banguli). May, 2008.

Book Published:

01. Kabir, M. H. and M.A. Masum, 2012. Dhan Fosoler Folon Parthakkay Kamanor Lakkhay Krishok hat Boi.

02. Kabir, M. H. and M.A. Masum, 2013. Matt Parjay Dhan Fosoler Folon Briddhir Krishi Projukti Boi.

Popular article published in Bangla:

01. **Md. Humayun Kabir.** 2004. Binachashe Sarasori Bopon Poddhatita Boro Dhan Chash (BRRIdhan 29) –ar Chash- Bannay Plabito Ninmanchaler jannay akti Lagshahi Projukti. 'The Banglabazar Patrika', 25 January 2004, Dhaka.

As Trainer (2):

01. **MH Kabir.** 1999. Trainer for training of Thana Agricultural Extension Coordination Committee. Nominated by Director Research, BRRI, Gazipur. Dated-11-11-1999.

02. **MH Kabir.** 1999. Trainer for farmer's training held at BRRI R/S, Bhanga, Faridpur. Dated: 25-10-2000.

16. Research achievement (Attachment 05 & 06)

Lists of technology developed, Patent registered, research programme developed, research programme supervised and research programme executed are to be given in separate sheet and must be certified by competent authority.

(a) List of research programme developed: (52)

2013-2015 (10)

- Regional Yield Trial for cold, GSR, PQR, MDR, micronutrient, drought resistance and, high yielding favorable Boro rice genotypes

- Breeding Rice for salt tolerance rice genotypes as observational, secondary and preliminary yield trial

- Participatory varietal selection of saline tolerance rice genotypes in saline ecosystem
- Proposed variety trial
- Evaluation of different T.Aman & Boro varieties against salinity in Boro-Fallow-T.Aman cropping pattern
- Long term missing element trial
- Breeder and truthfully leveled seed production
- Seed production and dissemination programme of newly released BRRI varieties
- Farmer's training programme on modern rice production technologies
- Famer's field day

2011-2013 (1)

- Identification of location specific rice cultivation problem and Minimizing rice yield gap through BRRI technologies in Boro & T.Aman season

2010-2011 (2)

- Advanced line adaptive research trial in two types under 21 location in Bangladesh
- Extension of high value vegetables, horticultural and cereal crops and overall development of greater Mymensingh region, project proposal

2009-2010 (2)

- Advanced line adaptive research trial in two types under 21 location in Bangladesh
- Extension of high value vegetables, horticultural and cereal crops and overall development of greater Mymensingh region, project proposal

2008-2009 (05)

- Crop establishment methods and nitrogen management options of rice in Boro-Fallow-T.Aman cropping pattern
- Crop establishment methods and nitrogen management options of rice in Boro-Fallow-Fallow cropping pattern
- Crop establishment methods and weed management practices of Boro rice under alternate wetting and drying condition in Boro-Fallow-T.Aman cropping pattern
- Crop establishment methods and weed management practices of Boro rice under alternate wetting and drying condition in Boro-Fallow-Fallow cropping pattern
- Multilocation testing of improved cropping pattern in Boro-Fallow-T.Aman cropping pattern

2006-2007 (02)

- Effects of crop establishment method, weed control practices and levels of N fertilizer application on the productivity of boro rice in low land
- Effects of crop establishment method, weed control practices and levels of N fertilizer application on the productivity of boro rice in medium high land

2005-2006 (02)

- Effects of crop establishment method and levels of N fertilizer application on the productivity of boro rice in low land
- Effects of crop establishment method and levels of N fertilizer application on the productivity of boro rice in medium high land.

2004-2005 (05)

- Validation of zero tillage surface seeding establishment method of Boro rice in low land ecosystem at FSR&D site, Kapasia
- Effects of crop establishment method and weed management on the productivity of boro rice in low land.
- Effects of crop establishment method and weed management on the productivity of boro rice in medium high land.
- Effects of crop establishment method and time of N fertilizer application on the productivity of boro rice in low land.
- Effects of crop establishment method and time of N fertilizer application on the productivity of boro rice in medium high land

2003-2004 (01)

- Evaluation of Rice-Mungbean intercropping and its contribution to rice yield in Aus-T.Aman cropping pattern

2002-2003 (01)

- Validation of zero tillage surface seeding establishment method of Boro rice in low land ecosystem at Gazipur District

2001-2002 (07)

- Evaluation of different alternative establishment method of irrigated (Boro) rice in low lying areas, BRRI R/S, Bhanga, Boro 2002-2003
- Determination of appropriate seed rate of BRRI dhan29 under zero tillage surface seeding method

- Performance of alternative establishment methods Rice at low land ecosystem, BRRI, R/S, Bhanga, Faridpur
- Farmer's participatory testing of alternative establishment methods of rice at low land ecosystem, Boro 2001-2002
- Farmer's participatory testing of Boro & T.Aman varieties under Boro-Fallow-T.Aman cropping pattern in the different land types of Faridpur District, 2001-02
- Farmer's participatory productivity evaluation of Boro-Fallow and Boro-DWR cropping pattern, 2001-2002
- Direct seeding vs Transplanting: A comparative study of planting method under on-farm condition

2000-2001 (07)

- Study the performance of alternative establishment methods of Boro rice in single Boro cropping pattern at BRRI, Bhanga during Boro 2001
- Evaluation of Boro rice under different resource level
- Participatory testing of Boro & T.Aman varieties for Boro-Fallow-T.Aman pattern in the medium high land
- Maximizing the productivity of the cropping pattern Boro-Fallow-Fallow by establishing proposed pattern Boro-DWR (Transplanted) in lowland at Bhanga
- Performance of alternative cropping patterns in the light soil under medium lowland
- Farmer-managed participatory trial of BRRI dhan36 at Rajbari and Madaripur District
- Participatory varietal selection of Boro rice at Faridpur District

1999-2000 (07)

- Characterization of farming systems of different farm families
- Effect of intervention on the productivity of One acre farm family
- Adaptability testing of *Dioscorea bulbilfera*
- Productivity evaluation of Integrated Rice and Fish system in irrigated environment
- Testing of alternative Boro establishment method on the Boro-Fallow-Fallow cropping pattern
- Productivity evaluation of Mustard-Boro intercropping in Boro-Fallow-Fallow cropping pattern in lowland ecosystem at Bhanga

- Comparative study between existing cropping pattern and tested cropping pattern

(b) List of research programme supervised: (60)

2013-2015 (10)

- Regional Yield Trial for cold, GSR, PQR, MDR, micronutrient, drought resistance and, high yielding favorable Boro rice genotypes
- Breeding Rice for salt tolerance rice genotypes as observational, secondary and preliminary yield trial
- Participatory varietal selection of saline tolerance rice genotypes in saline ecosystem
- Proposed variety trial
- Evaluation of different T.Aman & Boro varieties against salinity in Boro-Fallow-T.Aman cropping pattern
- Long term missing element trial
- Breeder and truthfully leveled seed production
- Seed production and dissemination programme of newly released BRRI varieties
- Farmer's training programme on modern rice production technologies
- Famer's field day

2011-2013 (1)

- Identification of location specific rice cultivation problem and Minimizing rice yield gap through BRRI technologies in Boro & T.Aman season

2010-2011 (1)

- Advanced line adaptive research trial in two types under 21 location in Bangladesh

2009-2010 (1)

- Advanced line adaptive research trial in two types under 21 location in Bangladesh

2008-2009 (09)

- Cropping pattern survey in all Upazila of Bangladesh
- Intervention and monitoring the whole farm activities of intervened farmers
- Influence of Maize crop residue incorporation on the productivity of DS/T. Aman rice in DS/T. Aman-Maize cropping system.
- Evaluation of Aman and Boro rice under double transplanting as influenced by age of first planted crop in Boro-Fallow-T. Aman cropping pattern.
- Productivity evaluation of Boro-T. Aman cropping pattern as influenced by establishment method of Boro rice.

- Integrated rice+ Fish culture in DWR after Boro in Boro DWR cropping system.
- Farmers' participatory evaluation of rice in Jute+ Rice- Rabi cropping Patterns under different Nitrogen Levels in Faridpur Region.
- Evaluation of BRRI released short duration T. Aman varieties in Jute-T. Aman-Potato/Wheat cropping pattern in medium highland ecosystem
- Integrated Rice-Fish culture.

2006-2007 (02)

- Effects of crop establishment method, weed control practices and levels of N fertilizer application on the productivity of boro rice in low land
- Effects of crop establishment method, weed control practices and levels of N fertilizer application on the productivity of boro rice in medium high land

2005-2006 (02)

- Effects of crop establishment method and levels of N fertilizer application on the productivity of boro rice in low land
- Effects of crop establishment method and levels of N fertilizer application on the productivity of boro rice in medium high land.

2004-2005 (06)

- Validation of zero tillage surface seeding establishment method of Boro rice in low land ecosystem at FSR&D site, Kapasia
- Cropping pattern survey of Charghat Upazila under Rajshahi district
- Effects of crop establishment method and weed management on the productivity of boro rice in low land.
- Effects of crop establishment method and weed management on the productivity of boro rice in medium high land.
- Effects of crop establishment method and time of N fertilizer application on the productivity of boro rice in low land.
- Effects of crop establishment method and time of N fertilizer application on the productivity of boro rice in medium high land

2003-2004 (04)

- Cropping pattern survey of Rangpur Sadar Upazila under Rangpur District

- Effect of intervention on the total productivity of the farms under different farm categories at FSR&D site, Kapasia
- Validation of zero tillage surface seeding establishment method of Boro rice in low land ecosystem
- Evaluation of Rice-Mungbean intercropping and its contribution to rice yield in Aus-T.Aman cropping pattern

2002-2003 (03)

- Characterization of farming systems of different farm families
- Effect of farming system technology intervention on the total productivity of the farms under different farm categories
- Validation of zero tillage surface seeding establishment method of Boro rice in low land ecosystem

2001-2002 (13)

- Cropping pattern survey of Faridpur Sadar Upazila of Faridpur District
- Evaluation of different alternative establishment method of irrigated (Boro) rice in low lying areas, BRRI R/S, Bhanga, Boro 2002-2003
- Determination of appropriate seed rate of BRRI dhan29 under zero tillage surface seeding method
- Alternative rice cultivation method for arsenic mitigation in the soil-plant system
- Performance of BRRI varieties at Bhanga under Stability Analysis experiment of BRRI, Boro, 2002-2003
- Performance of alternative establishment methods Rice at low land ecosystem, BRRI, R/S, Bhanga, Faridpur
- Farmer's participatory testing of alternative establishment methods of rice at low land ecosystem, Boro 2001-2002
- Farmer's participatory testing of Boro & T.Aman varieties under Boro-Fallow-T.Aman cropping pattern in the differen land types of Faridpur District, 2001-02
- Farmer's participatory productivity evaluation of Boro-Fallow and Boro-DWR cropping pattern, 2001-2002
- Demonstration of improved DWR genotypes
- Validation of local DWR varieties at deeply flooded codition
- Proposed variety adaptive research trial

- Direct seeding vs Transplanting: A comparative study of planting method under on-farm condition

2000-2001 (9)

- Cropping pattern survey of Sadarpur and Nagarkanda Upazila under Faridpur District
- Study the performance of alternative establishment methods of Boro rice in single Boro cropping pattern at BRRI, Bhanga during Boro 2001
- Evaluation of Boro rice under different resource level
- Participatory testing of Boro & T.Aman varieties for Boro-Fallow-T.Aman pattern in the medium high land
- Maximizing the productivity of the cropping pattern Boro-Fallow-Fallow by establishing proposed pattern Boro-DWR(Transplanted) in lowland at Bhanga
- Performance of alternative cropping patterns in the light soil under medium lowland
- Farmer-managed participatory trial of BRRI dhan36 at Rajbari and Madaripur District
- Participatory varietal selection of Boro rice at Faridpur District
- Pilot testing of BRRI proposed Hybrids

1999-2000 (08)

- Cropping pattern survey of Rajoir and Charvadrason Upazila under Faridpur District
- Characterization of farming systems of different farm families
- Effect of intervention on the productivity of One acre farm family
- Adaptability testing of *Dioscorea bulbilfera*
- Productivity evaluation of Integrated Rice and Fish system in irrigated environment
- Testing of alternative Boro establishment method on the Boro-Fallow-Fallow cropping pattern
- Productivity evaluation of Mustard-Boro intercropping in Boro-Fallow-Fallow cropping pattern in lowland ecosystem at Bhanga
- Comparative study between existing cropping pattern and tested cropping pattern

1998-1999 (03)

- Cropping pattern survey of Bhanga Upazila under Faridpur District

- Regional yield trial
- Advanced yield trial

(c) List of research programme executed: (59)

2013-2015 (10)

- Regional Yield Trial for cold, GSR, PQR, MDR, micronutrient, drought resistance and, high yielding favorable Boro rice genotypes
- Breeding Rice for salt tolerance rice genotypes as observational, secondary and preliminary yield trial
- Participatory varietal selection of saline tolerance rice genotypes in saline ecosystem
- Proposed variety trial
- Evaluation of different T.Aman & Boro varieties against salinity in Boro-Fallow-T.Aman cropping pattern
- Long term missing element trial
- Breeder and truthfully leveled seed production
- Seed production and dissemination programme of newly released BRRI varieties
- Farmer's training programme on modern rice production technologies
- Famer's field day

2011-2013 (1)

- Identification of location specific rice cultivation problem and Minimizing rice yield gap through BRRI technologies in Boro & T.Aman season

2010-2011 (1)

- Advanced line adaptive research trial in two types under 21 location in Bangladesh

2009-2010 (1)

- Advanced line adaptive research trial in two types under 21 location in Bangladesh

2009-2010 (1)

- Advanced line adaptive research trial in two types under 21 location in Bangladesh

2008-2009 (02)

- Crop establishment methods and nitrogen management options of rice in Boro-Fallow-T.Aman cropping pattern
- Multilocation testing of improved cropping pattern in Boro-Fallow-T.Aman cropping pattern

2007-2008 (1)

Ph.D. dissertation writing and seminar presentation and facing on defense

2006-2007 (02)

- Effects of crop establishment method, weed control practices and levels of N fertilizer application on the productivity of boro rice in low land
- Effects of crop establishment method, weed control practices and levels of N fertilizer application on the productivity of boro rice in medium high land

2005-2006 (02)

- Effects of crop establishment method and levels of N fertilizer application on the productivity of boro rice in low land
- Effects of crop establishment method and levels of N fertilizer application on the productivity of boro rice in medium high land.

2004-2005 (06)

- Validation of zero tillage surface seeding establishment method of Boro rice in low land ecosystem at FSR&D site, Kapasia
- Cropping pattern survey of Charghat Upazila under Rajshahi District
- Effects of crop establishment method and weed management on the productivity of boro rice in low land.
- Effects of crop establishment method and weed management on the productivity of boro rice in medium high land.
- Effects of crop establishment method and time of N fertilizer application on the productivity of boro rice in low land.
- Effects of crop establishment method and time of N fertilizer application on the productivity of boro rice in medium high land

2003-2004 (04)

- Cropping pattern survey of Rangpur Sadar Upazila of Rangpur Distric
- Effect of intervention on the total productivity of the farms under different farm categories at FSR&D site, Kapasia
- Validation of zero tillage surface seeding establishment method of Boro rice in low land ecosystem, Pubail, Gazipur Sadar
- Evaluation of Rice-Mungbean intercropping and its contribution to rice yield in Aus-T.Aman cropping pattern

2002-2003 (03)

- Characterization of farming systems of different farm families
- Effect of farming system technology intervention on the total productivity of the farms under different farm categories
- Validation of zero tillage surface seeding establishment method of Boro rice in low land ecosystem

2001-2002 (14)

- Cropping pattern survey of Faridpur Sadar Upazila
- Evaluation of different alternative establishment method of irrigated (Boro) rice in low lying areas, BRRI R/S, Bhanga, Boro 2002-2003
- Determination of appropriate seed rate of BRRI dhan29 under zero tillage surface seeding method
- Alternative rice cultivation method for arsenic mitigation in the soil-plant system
- Performance of BRRI varieties at Bhanga under Stability Analysis experiment of BRRI, Boro, 2002-2003
- Performance of alternative establishment methods Rice at low land ecosystem, BRRI, R/S, Bhanga, Faridpur
- Farmer's participatory testing of alternative establishment methods of rice at low land ecosystem, Boro 2001-2002
- Farmer's participatory testing of Boro & T.Aman varieties under Boro-Fallow-T.Aman cropping pattern in the different land types of Faridpur District, 2001-02
- Farmer's participatory productivity evaluation of Boro-Fallow and Boro-DWR cropping pattern, 2001-2002
- Validation and delivery of new technologies for increasing productivity of flood prone rice lands in Bangladesh (IFAD funded project)
- Demonstration of improved DWR genotypes
- Validation of local DWR varieties at deeply flooded condition
- Proposed variety adaptive research trial
- Direct seeding vs. Transplanting: A comparative study of planting method under on-farm condition

2000-2001 (10)

- Cropping pattern survey of Sadarpur and Nagarkanda Upazilas of Faridpur District

- Study the performance of alternative establishment methods of Boro rice in single Boro cropping pattern at BRRI, Bhanga during Boro 2001
- Evaluation of Boro rice under different resource level
- Participatory testing of Boro & T.Aman varieties for Boro-Fallow-T.Aman pattern in the medium high land
- Maximizing the productivity of the cropping pattern Boro-Fallow-Fallow by establishing proposed pattern Boro-DWR (Transplanted) in lowland at Bhanga
- Performance of alternative cropping patterns in the light soil under medium lowland
- Validation of improved deep water rice genotypes in the Farmer's field of Faridpur District
- Farmer-managed participatory trial of BRRI dhan36 at Rajbari and Madaripur District
- Participatory varietal selection of Boro rice at Faridpur District
- Pilot testing of BRRI proposed Hybrids

1999-2000 (10)

- Cropping pattern survey of Rajoir & Charvadrason Upazila of Faridpur District
- Characterization of farming systems of different farm families
- Effect of intervention on the productivity of One acre farm family
- Adaptability testing of *Dioscorea bulbilfera*
- Productivity evaluation of Integrated Rice and Fish in irrigated environment
- Testing of alternative Boro establishment method on the Boro-Fallow-Fallow cropping pattern
- Productivity evaluation of Mustard-Boro intercropping in Boro-Fallow-Fallow cropping pattern in lowland ecosystem at Bhanga
- Evaluation of DW rice genotypes at the Ganges flood plain (IFAD funded)
- Validation of growing deep water rice followed by Boro in the Padma flood plain (IFAD funded)
- Comparative study between existing cropping pattern and tested cropping pattern

1998-1999 (05)

- Cropping pattern survey of Bhanga Upazila under Faridpur District
- Varietal display
- Observational Trial

- Advanced Yield Trail (Early & Late)
- Regional Yield Trial (Early, Medium & Late))

17. Relevant activities and achievement (Attachment 07)

Name of activities and achievement	Remarks
i) Organized 4 (Four) National Workshop on Minimizing Rice Minimizing Yield Gap Project	Being Project Director of BRRI Part arranged 6 National Workshop and 6 papers were presented.
i) Experienced on Management of research station, BRRI Regional Station, Satkhira as Head for two years six months	Being an Head of BRRI Regional Station, Satkhira managed research and all other activities
i) Experienced on Management of research station, BRRI Regional Station Bhanga, Faridpur as Head for several times and for several period	Being an Head Incharge of BRRI Regional Station Bhanga, Faridpur managed research and all other activities
ii) Organized 6 (Six) National Workshop on Minimizing Rice Minimizing Yield Gap Project	Being Project Director of BRRI Part arranged 6 National Workshop and 6 papers were presented.
iii) Resource conservation technology (Drum seeding + herbicide + LCC management packaged)	Drum seeding with herbicide+one hand weeding and N management through LCC package gave 1 tha^{-1} more grain yield TK.15,000 saved over transplanting
iv) Experienced on Management of research station, BRRI Regional Station Bhanga, Faridpur as Head for several times and for several period	Being an Head Incharge of BRRI Regional Station Bhanga, Faridpur managed research and all other activities
v) Extension work on newly released T.Aman and Boro varieties under SPDP program	Done at Madaripur, Faridpur, Rajbari, Patuakhali and Barisal district
vi) Extension work on BRRI technologies through DAEPC meeting	Done at Faridpur, Madaripur, Rajbari, Gopalganj and Barisal district
vii) Extension work on newly released varieties of Boro-Fallow-T.Aman cropping pattern	Done at Faridpur and Madaripur district
viii) Extension work on component technologies of crop, fisheries and livestock	Done at Gazipur district
ix) Survey work on different Upazilas of Bangladesh those represent greater recommendation domain	Different Upazilas of Bangladesh those represent greater recommendation domain
x) Trainer of DAE and related personnel of UAECC of NAEP at Bhanga Upazila of Faridpur	Bhanga & other Upazilas of Faridpur District
xi) Organizing farmer's & BS training program at Regional Station, Bhanga, Faridpur	BRRI Regional Station, Bhanga, Faridpur
xii) Resource person of farmer's & BS training program at Regional Station, Bhanga, Faridpur	BRRI Regional Station, Bhanga, Faridpur
(xiii) Participated in Faridpur District and Bhanga Upazila Agricultural fair	Awarded first prize
xiv) Paper reviewed three	In International Journal

18. Technology developed

I have developed cost saving package technology for Boro rice cultivation under medium high and low land ecosystem. Drum seeding with herbicide + one hand weeding and nitrogen management through leaf colour chart based management package technology yielded 1.0 t/ha more grain and 15 (fifteen) thousand taka per hectare was saved compared to traditional transplanting. The main theme of this technology in low land ecosystem is: after the recession of flood water Boro rice (BRRI dhan29) sprouted seed was sown through drum seeding in wet soil without tillage. In medium high land, the land was soaked for two days, puddled and laddering appropriately. Then Boro rice (BRRI dhan29) sprouted seed was sown through drum seeding in wet soil. At present this technology is in adoption level. I am involved cropping pattern survey and improved cropping pattern development programme all over the country.

I was also involved in varietal development of Boro and DWR in greater Faridpur region.

I was also involved in quality farmer's participatory seed production of BRRI developed HYV's with the help of Department of Agricultural Extension, regional problem identification, planning and execution of research program through participation of ATC and DEPC meeting of Faridpur Region based on regional problem.

The technologies developed by BRRI were also transferred through the discussion and presentation in different ATC and DEPC meeting and field days organized by Upazila Agricultural Extension and District Agricultural Extension Office.

19. Other activities (Attachment 06)

i) Serving as Joint Secretary, Bangladesh Rice Research Institute Scientist Association, Bangladesh Rice Research Institute Gazipur (2005 – 2009).

ii) Sports Secretary, Bangladesh Rice Research Institute Officers Club, BRRI, Gazipur (2004-2006).

iii) Executive Member, Bangladesh Rice Research Institute Officers Club, BRRI, Gazipur (2010-2016).

iv) Secretary, Dhan Gobeshona Karmochari Bhoggaypannay Sarbarah Sambay Somity Limited. Bangladesh Rice Research Institute Gazipur (2009 - 2012).

v) President, Dhan Gobeshona Karmochari Bhoggaypannay Sarbarah Sambay Somity Limited. Bangladesh Rice Research Institute Gazipur (2012 – 2015).

vi) President, Dhan Gobeshona Karmochari Bhoggaypannay Sarbarah Sambay Somity Limited. Bangladesh Rice Research Institute Gazipur (2015 – 2018).

vii) Live Member, Krishibid Institution, Bangladesh.

viii) Live Member, Bangladesh, advancement of Science.

ix) Live Member, Bangladesh Weed Science Society.

(Dr. Md. Humayun Kabir)
Principal Scientific Officer
Adaptive research Division
Bangladesh Rice Research Institute
Gazipur-1701

SCORE SHEET OF EVALUATION FOR PROMOTION TO CSO

Name: Dr. Md. Humayun Kabir

Designation: Principal Scientific Officer

Division/Discipline: Adaptive Research Division

Organization: Bangladesh Rice Research Institute

1. Academic Record :

Degree	Division/Grade/Class	Marks
S.S.C	1st Division	-
H.S.C	2nd Division	-
B.Sc.Ag/Equivalent	2nd Class	3
M.Sc (Ag)/ M.S/ Equivalent	1st Class	4
PhD	Not Applicable	7
Total Marks obtained:		**14**

2. Service Experience :

Service Length	Year	Month	Marks
As SO	07	09	16
As SSO	03		6
As PSO	09	05	18
Total Marks obtained:			**40**
Countable Marks:			**30**

3. Performance:

(a) Publication (SO to PSO)
List and photocopies of first page of all publications are attached:

(i) Scientific Journals (Full papers)

Publication In Journal	Nos.	Marks
As Principal Author	15	30
As Co-author	10	10
Total marks obtained:		**40**

(ii) Scientific Journals (Short communications)

Publication In Journal	Nos.	Marks
As Principal Author	-	-
As Co-author		
Total marks obtained:		

(iii) Books/Monographs/Bulletins

Books/Monographs/Bulletins	Nos.	Marks
As Principal Author	2	2
As Co-author	-	-
Total marks obtained:		2

(iv) Seminar / Workshop / Symposium proceedings

Seminar/ Workshop/Symposium proceedings/Abstract	Nos.	Marks
As Principal Author	1	1.00
As Co-author	4	2.00
Total marks obtained:		**3.00**

Total marks obtained for all publications: 45

Countable marks for publications: 35

(b) Research achievement

Certified lists by competent authority of technology developed, research program developed, supervised and executed are given in separate sheets.

	Nos.	**Marks**
(i) No. of technology developed (SO to PSO)	34	**6**
(ii) No. of research program developed (last 3 yrs)	17	
(iii) No. of research program supervised (last 3 yrs)	16	
(iv) No of research program executed (last 3 yrs)	16	

(c) Relevant activities and achievements (SO to PSO)

	Nos.	Marks
List of relevant activities and achievements are given in separate sheet	12	**4**

Grand total : 89.00

Signature of evaluator(s):

Date :

Name :

Address or Seal :