

**CV OF M. S. KABIR**  
**DIRECTOR GENERAL (CURRENT CHARGE)**  
**BANGLADESH RICE RESEARCH INSTITUTE**



- 1. Name** : **DR. MD. SHAHJAHAN KABIR**
- 2. Father's name** : Late Nabi Hossain
- 3. Date of birth** : March 30, 1966
- 4. Present address** : Director General  
Bangladesh Rice Research Institute  
Gazipur 1701, Bangladesh.  
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- 5. Permanent** : **Vill.- Digla, P.O.- K. Amtala, Upazila- Netrakona Sadar**  
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[dg@brrri.gov.bd](mailto:dg@brrri.gov.bd)
- 6. Date of joining at BRRI** : 21.11.1994
- 7. Date of joining at present position** : 31.08.2017
- 8. Nationality** : Bangladeshi (by birth)
- 9. Marital status** : Married
- 10. Qualifications** :

**a. University education**

Name of Exam	Year of Passing	Board/University	Group
S.S.C	1981	Dhaka	Science
H.S.C	1983	Dhaka	Science
B.Sc. (Hons.)	1987 (held in 1990)	Rajshahi University	Statistics
M.Sc	1988 (held in 1991)	Rajshahi University	Statistics
Ph. D	2011	Jahangirnagar University	Geo-Statistics

Ph.D Thesis Title: Geo-Statistical Modeling of Arsenic in Soil and Irrigation water in Bangladesh

**b. Research Experience (Indicate area of expertise with duration):**

(i)

- 20 years professional experience as a statistician at Bangladesh Rice Research Institute holding different positions. Major tasks include: (i) Administration, Planning, Programming, Implementing and executing of research programs, (ii) development of a no. of statistical procedures for rice experiments, (iii) monitoring and evaluation of research and other activities and preparation of reports, (iv) providing statistical counseling to other scientists of the institute on planning of experiment, data analysis and interpretation
- 15 years working experience with GIS
- SM-CRSP, Bangladesh (USAID funded) as PI of GIS part (1996-2001), Bangladesh Country Almanac (USAID funded) as PI, BRRI part (2001-06) (ii) Impact of Arsenic Contamination on Agricultural Sustainability and Food Quality (USAID funded) as PI of GIS part (2000-05) (iii) Food for Progress (USAID funded) as PI of GIS part from December 2013 (iv) Jircus funded project “Impact Assessment of Climate Change of Production and Marketing of Agricultural Products” from April 2010 (v) Focal point of the project (GAIN) ???.

**c) Advanced Training/Workshop**

**(i) Incountry/National**

- Completed a training on **Introduction to New Developments in Genotype by Environment (GxE) Analysis and Interpretation of Results** jointly collaboration with IRRI in 1996 at Bangladesh Rice Research Institute (BRRI), Bangladesh from August 17-29, 1996.
- Completed one month **Rice Production Training Course** at BRRI from 31st May, 1997 to 29th June, 1997.
- Completed a **Documentation and Data Management for Genetic Resources** training jointly collaboration with IRRI at Bangladesh Rice Research Institute (BRRI), Bangladesh from 21st November 1997 to 3rd December 1997.
- Completed a training on **Experimental Design and Statistics** jointly conducted by the Institute of Forestry and Environmental Sciences, University of Chittagong, Bangladesh and The Department of Zoology, University of Bergen, Bergen, Norway under the auspices of Norwegian Universities Committee for Development, Research and Education (NUFU) from 6th December, 1997 to 14th December, 1997.
- Completed a **Statistical Methods for Agricultural Research** training jointly conducted by Agricultural Economics department and Graduate Training Institute (GTI), Mymensingh from 20<sup>th</sup> April 1998 to 04<sup>th</sup> May 1998.
- Completed **Foundation Training Course for NARS Scientists** organised by Bangladesh Academy for Rural Development (BARD),

- Comilla from 28<sup>th</sup> June to 10 October, 1999.
- Completed a training on **Application of AEZ/GIS for Agricultural Planning** organised by Bangladesh Agricultural Research Council (BARC) from 02 May to 30 June 2000.
  - Completed a training course on **Arc View Spatial Analyst** organised by EGIS, Dhaka from 24 May to 07 June, 2001.
  - Completed a training course on **Presentation Skill Development** organised by Institution of Engineers, Bangladesh (IEB) from 13-15 September, 2001.
  - Completed a training course on **Computer Networking: Installation, Configuration, Administration and Maintenance** organised by Department of Computer Science and Information Technology, Islamic University of Technology (IUT), Bangladesh from 06 – 10 October, 2002.
  - Attained a national workshop on **Rice Research and Extension – 2002 of “Feeding the extra millions by 2025- Challenges for rice research and extension in Bangladesh”** organized by BIRRI and DAE from 29-31 January 2002.
  - Attained a **GIS Country Almanac workshop** organized by BARC in collaboration with CIMMYT Bangladesh from 28-29 August 2002.
  - Completed a training course on **Overview of E-Governance and E-Commerce** organised by Academy for Planning and Development, Ministry of Planning, Nilkhet, Dhaka from 20 August to 04 September, 2006.

**(ii) Abroad/International**

- Completed a **International Training Course on Farming Systems Research and Development** organised by Farming Systems and Soil Resources Institute, U. P. Los Banos, College, Laguna, Philippines from 24 January to 17 March, 2001.
- Participated an International Training Workshop on **Stakeholders Assessment of GIS Tools and Datasets for RWC Activities** organised by Department of Civil Engineering, IIT, Delhi in collaboration with Rice-Wheat Consortium for the Indo-Gangetic Plains under the aegis of Foundation for Innovation and Technology Transfer from 22 to 25 January, 2002.
- Participated a GIS workshop on **Application of GIS Tools in Rice-Wheat Research and Development** organized by BIRRI collaboration with Cornell University, USA from 2-3 February 2002.
- Participated an International workshop on **Behavior of Arsenic in**

**Aquifers, Soils and Plants: Implications for Management** jointly organized by CIMMYT, Cornell University, Texas A & M University, United States Geological Survey and Geological Survey of Bangladesh from 16-18 January 2005.

- Participated **8th International Conference on the Biogeochemistry of Trace Elements (ICOBTE)** at Adelaide, Australia organized by International Society of Trace Element Biogeochemistry (ISTOB) from 3-7 April 2005.
- Participated International Symposium on **Climate Change and Food Security in South Asia** at Dhaka, Bangladesh jointly organized by Ohio State University, USA and Dhaka University, Bangladesh from 25-30 August 2008.
- Participated International MARCO Symposium 2009 on **Challenges for Agro-Environmental Research in Monsoon Asia** at Tsukuba International Congress Center, Epochal Tsukuba, Japan from 5-7 October 2009.
- Participated Annual Review and Planning Meeting of CSISA Research Platform at NASC Complex, New Delhi, India on 5 December 2011.
- Participated JIRCAS International Symposium 2012 on **Resilient Food Production Systems: The Role of Agricultural Technology Development in Developing Regions** at Tsukuba International Congress Center, Epochal Tsukuba, Japan from 28-29 November 2012.
- Participated in the Consultative Meeting on **Rice Strategy for Asia and the Pacific** on 28 January 2014 at Bangkok, Thailand.
- Participated in the Study Tour Program on **Agricultural Project Planning and Management** on 1-6 August 2014 at Kualalampur, Malaysia.
- Participated in the Dissemination and Advocacy meeting on **Trade and Knowledge Sharing in HYV Rice Seeds** on 30 April 2015 at New Delhi, India.
- Participated in the Golden Rice Project workshop on Risk Communication on 9-11 June 2015 at IRRI, Philippines.
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**11. Positions held:**

**Director (Administration and Common Service)** Current Charge, Bangladesh Rice Research Institute, Joydebpur, Gazipur from 12<sup>th</sup> November, 2013 to till date.

**12. Job description:**

(i) **Administration**, Planning, Programming, Implementing and executing of research programs, (ii) Development of statistical procedures for rice experiments, (iii) Monitoring and evaluation of research and other activities and preparation of reports, (iv) Providing statistical counseling to scientists of the institute and other Institute/Organizations on planning of experiment, data analysis and interpretation.

**13. Service Information:**

Name of position	Scale (2015)	Service	
		Starting date	Ending date
Scientific Officer	22000-53060	21/11/1994	27/02/2000
Senior Scientific Officer	35500-67010	28/02/2000	17/12/2007
Principal Scientific Officer	50000-71200	18/12/2007	13/02/2010
Chief Scientific Officer	56500-74400	14/02/2010	11/11/2013
Director (Admin. & CS) Current Charge	66000-76490	12/11/2013	30/08/2017
Director General (Current Charge)	-----	31/08/2017	Till to-date

## Publications of M S Kabir

<b>(i) Scientific journals</b>	Publications: National	=	42
	International	=	48
	<b>Total</b>	=	<b>90</b>

**(a) Paper published in the Reputed International Journal: 23**

**Principal author: 04**

**Kabir M. S.,** M. A. Salam, D. N. R. Paul, M. I. Hossain, N. M. F. Rahman, and M. A. Latif 2016. Geo-statistical models for determining spatial variation and spatial dependency of arsenic in Bangladesh. Journal of the national science foundation of Srilanka (JNSF), Script No. 37:2015, ED/JNSF-MSP/D/FT/ACC/37:2015.

**Kabir M. S.,** M. A. Salam, D. N. R. Paul, M. I. Hossain, N. M. F. Rahman, Abdullah Aziz, and M. A. Latif 2016. Spatial Variation of Arsenic in Soil, Irrigation Water, and Plant Parts: A Microlevel Study. The Scientific World Journal Volume 2016, Article ID 2186069, 14 pages (<http://dx.doi.org/10.1155/2016/2186069>).

**Kabir M.S.,** D.N.R. Paul, Z.U. Ahmed, M.A. Mazid Miah, C.A. Meisner and J.M. Duxbury 2007. A GIS-based analysis for increasing productivity of rice- wheat systems in Bangladesh- A case study in Biral upazila, Dianjpur, Bangladesh. International Journal of Bio Research; Vol. 3, No. 2, pp:35-42.

**Kabir M.S.,** M.Maniruzzaman, M.A. Saleque, J.C. Biswas and M.A. Sattar 2007. Soil fertility mapping at micro level: A case of Jotgobardhan village in Kurigram district. International Journal of Bio Research; Vol. 3, No. 1, pp:22-29.

**Co-author: 29**

Md. AR Sarkar, MC Rahman, MS Rahman, MR Sarker, MA Islam, J Balie and MS Kabir 2022. Adoption Determinants of Exotic Rice Cultivars in Bangladesh. Frontiers in Sustainable Food Systems. 21 February 2022. Vol: 06: Article: 813933.

Al Mamun M.A, Nihad SAI, Sarkar M.AR, Aziz M.A, Qayum M.A, Ahmed R, et al. (2021) Growth and trend analysis of area, production and yield of rice: A scenario of rice security in Bangladesh. PLoS ONE 16(12): e0261128. <https://doi.org/10.1371/journal.pone.0261128>

JK Biswas, MA Salam and MS Kabir. Science and Technology Innovation for a Sustainable Economy: Rice Research Revisited: BRRI and Its Achievements. P:91-107

NMF Rahman, MA Aziz, MAA Mamun, A Chowdhury, R Ahmed, MM Haque, T Halder, MI Hossain and MS Kabir. Weather Forecast based Rice Crop Management System in Bangladesh: An Experimental Approach for T. Aus Season. P:145

NMF Rahman, MA Rahman, MC Rahman and MS Kabir. Projected Yield Potential of Rice Varieties towards Increasing the Productivity in Bangladesh. P:146

M Nasim, ABM Mostafizur, MU Salam, TL Aditya and MS Kabir. Transforming rice based

- cropping system for achieving SDG 2.3 for Bangladesh Rice. P: 185
- MAI Khan, MM Rashid, M Khatun, PS Biswas, TH Ansari, MA Latif, Y Fukura and MS Kabir. Disease Resistance Breeding Program at BRRI. P: 186
- MA Aziz, MI Hossain, R Ahmed, NMF Rahman, MA Qayum, MAA Mamun and MS Kabir. Edaphic Suitability Mapping of BRRI dhan50 and BRRI dhan72. P: 187
- MAA Mamun, MI Hossain, MS Kabir, NMF Rahman and MA Qayum. GGE biplot and Stability Analysis for Yield Performance of Rice Genotypes across Different Environments in Bangladesh.
- MA Qayum, MI Hossain, NMF Rahman, MA Aziz, MAA Mamun, R Ahmed and MS Kabir. Region specific BRRI variety adoption: A simple way of increasing national production.
- Md. J. Kabir, KM Iftekharuddaula, TL Aditya and M.S Kabir. Rice Technological Innovation and Value Chain Development in Bangladesh: Current Status and Future Directions. Chapter-3: 2019
- M.U Salam, B.K Mahalder, H Bhandari, M.A.R Sarkar, B Nessa and M.S Kabir. Policy directions toward increasing rice productivity. Chapter-44: 2019
- B.Nessa, S.S. Dipti, M.U. Salam, A.H.M. Mahfuzul Haque, J.K.Biswas, M. A. Kashem and M.S Kabir. Seed germination and grain quality of rice as affected by false smut disease.
- A Khatun, A.B.M Mostafizur, B.J. Shirazy, M. Nasim and **M.S. Kabir**. Nitrogen Management Option in Winter Rice under Boro- Fallow-T. Aman Cropping System. Research on Crop Ecophysiology. Vo. 11/2, Issue 2(2016) pp: 68-77
- Arif A., M. Kamruzzaman, B. A. A. Mustafi, **M. S. Kabir**, 2016. Export potentiality of horticultural crops in Bangladesh. Nepalese Journal of Agricultural Sciences, Vol. 14.
- Bodrun Nessa, Moin U. Salam, A.H.M. Mahfuzul Haque, Jiban K. Biswas, **M. S. Kabir**, William J. MacLeod, Mario D'Antuono, Hirendra N. Barman, M. Abdul Latif and Jean Galloway 2015. Spatial Pattern of Natural Spread of Rice False Smut (*Ustilaginoideavirens*) Disease in Fields: American Journal of Agricultural and Biological Sciences, Vol. 10, No. 2, pp: 63-73.
- Aziz M.A, M. A. K. Majumder, **M. S. Kabir**, M.I Hossain, N. M. F. Rahman, and S. Hosen 2015. Groundwater depletion with expansion of irrigation in Barind Tract: A case study of Rajshahi District of Bangladesh: International journal of geology, agriculture and environmental sciences, Vol. 3, pp. 32-38.
- Niaz M.F.R, M.I Hossain, M.A Aziz, M.A Baten and **M. S. Kabir** 2013. Prospects of Boro Rice Production in Bangladesh. Adv. Environ. Boil, 7(14), 4542-4549, 2013.
- Shiro OCHI, Y. Yamamoto, S. Kobayashi, J. Furuya and **M. S. Kabir** 2011. Quantification of suitability assessment for agricultural land productivity- Boro rice productivity in Bangladesh country scale; J.Jass.

- Zia U. A., G. M. Panaullah, H. Gauch Jr, R. Susan, McCouch, W. Tyagi, **M. S. Kabir** and J. M. Duxbury 2010. Genotype and environment effects on rice (*Oryza sativa* L.) grain arsenic concentration in Bangladesh; *Plant and Soil*, Vol. 338 (1-2), pp. 367-382).
- Hossain M. A., M. I. Hossain, M. U. Ahmed, M. A. B. Siddique, **M. S. Kabir** and M. A. Uddin 2008. Performance of intercropping groundnut with Linseed at different row arrangement. *International Journal of Bio Research*; Vol. 5, No. 6, pp:6-9.
- Hossain M. I., M. Shuaib, Kabita, M. Tareq, **M. S. Kabir** and M. A. Uddin 2008. Optimum sampling for measuring different plant characters of Teasle Gourd. *Eco-friendly Agril. J.*; Vol. 1, No. 3, pp: 172-175.
- Siddique M. A. B., **M. S. Kabir**, M. S. Islam and M. A. Salam 2008. Efficiency of Aman rice marketing system in some selected areas of Bangladesh. *International Journal of Bio Research*; Vol. 4, No. 5, pp:6 -12.
- Siddique M. A. B., **M. S. Kabir**, M. S. Islam and F. Yeasmin 2008. Structure and performance of rice mills in some selected areas of Bangladesh. *International Journal of Bio Research*; Vol. 4, No. 4, pp:46 -51.
- Kabir H. M., A. Saha, I. U. Mollah, **M. S. Kabir** and F. Rahman 2008. Effect of crop establishment methods and weed management practices on the productivity of Boro rice in lowland ecosystem. *International Journal of Bio Research*; Vol. 4, No. 2, pp:42 -51.
- Howlader M, D. N. R Paul, M. Rahman and **M. S. Kabir** 2007. Probability distribution of relative humidity and surface of nearly assured relative humidity in Bangladesh. *International Journal of Bio Research*; Vol. 3, No. 3, pp:14 -18.
- Islam M.F., M.A.R. Sarkar, **M.S. Kabir**, S. Parveen and M.H.R. Mukul 2007. Effects of rate and time of herbicides application on weed control of Boro rice under direct wet-seeding condition by drum seeder. *International Journal of Bio Research*; Vol. 3, No. 1, pp:45-49.
- Ali M.S., M.A. Salam, M.E. Hoque, **M.S. Kabir**, M.S. Islam, S. Sultana, H.U. Ahmed, S. Khatun and B.A.A, Mustafi 2006. Breeding and adoption of Boro rice varieties in Bangladesh. *International Journal of Sustainable Agricultural Technology*; Vol. 2, No. 4, pp: 61-68.
- Zaman M.R., D.N.R. Paul, **M.S. Kabir**, M.A.A. Mahbub and M.A.A. Bhuiya 2005. Assessment of character contribution to the divergence for some rice varieties, *Asian Journal of Plant Sciences* Vol. 4, No. 4, pp: 388-391.
- Biswas J.K., M.S. Islam, R. Yasmeen, S. Parvin, **M.S. Kabir** and S. Alam 2002. Relative contribution of the coleoptile and the first leaf length to seeding establishment of rice (*Oryza sativa* L.) as affected by anaerobic seeding in two different soils, *Pakistan Journal of Biological Sciences* Vol. 5, No. 4, pp: 413-415.
- Zaman M.R., D. N. R. Paul, N. Akhter, M. H. Howlader and **M.S. Kabir** 2006. Chi-square Mixture of Chi-square distributions. *Journal of applied sciences*; Vol. 6, No. 2. pp:243-246.



**(b) National Journal: 22**

**Principal author: 04**

**M S Kabir**, D N R Paul, M I Hossain and N M F Rahman. Estimating Area and Production of Rice under Different Crop-cut Methods in Bangladesh. Bangladesh Rice J. 20 (1): 11-16, 2016.

**Kabir M. S.**, M U Salam, A Chowdhury, N. M. F. Rahman, K M Iftakharuddaula, M S Rahman, M H Rashid, S S Dipti, A Islam, M A Latif, A K M S Islam, M M Hossain, B Nessa, T H Ansari, M A Ali and J K Biswas. Rice Vision for Bangladesh: 2050 and Beyond. Bangladesh Rice J. 19 (2): 1-18, 2015.

**Kabir M. S.**, M Howlader, J K Biswas, M A A Mahub and M Nur-E-Elahi. Probability of Low Temperature Stress at Different Growth Stages of Boro Rice. Bangladesh Rice J. 19 (2) : 19-27, 2015.

**Kabir M. S.**, D. N. R. Paul, M. I. U. Mollah and A. Khatun 2007. Extrapolation of Domain of a Proven Resource Conservation Technology: Crop Establishment by Chinese Hand Tractor Seeder in Rice-Wheat Systems, Bangladesh Rice J. Vol. 12, No. 1 & 2, p: 57-62.

**Co-author: 23**

N M F Rahman, M A A Mamun, R Ahmed, M I Hossain, M A Qauym, M A Aziz, M A Hossain and MS Kabir. Stability and Adaptability Analysis of BRRI Developed Aus Varieties in Different Location of Bangladesh. Bangladesh Rice J. 22 (1): 65-72, 2018.

B Nessa, M U Salam, A H M M Haque, M A Kashem and MS Kabir. Weather Condition, Seasonal Variation and Ball Development Pattern in Relation to Rice False Smut Disease in Bangladesh. Bangladesh Rice J. 22 (1): 57-64, 2018.

B Nessa, SS Dipti, M U Salam, A H M M Haque, J K Biswas, M A Kashem and MS Kabir. Seed Germination and Grain Quality of Rice as Affected by False Smut Disease. Bangladesh Rice J. 22 (1): 1-7, 2018.

N Nasim, S.M Shahidullah, A Saha, M.A Muttaleb, T.L Aditya, M.A Ali and **M. S. Kabir**, 2017. Distribution of Crops and Cropping Patterns in Bangladesh, Vol. 21.

N M F Rahman, M M Hasan, M I Hossain, M A Baten, S Hosen, M A Ali and **M S Kabir**. Forecasting Aus Rice Area and Production in Bangladesh using Box-Jenkins Approach. Bangladesh Rice J. 20 (1): 1-10, 2016.

Nessa B, M U Salam, A H M M Haque, J K Biswas, Q S A Jahan, M A I Khan, M R Bhuiyan, A Ara, M R Munir, J Galloway, **M. S. Kabir** and M A Ali 2016. Density and Distribution of False Smut Balls on Infected Rice Panicles. Bangladesh Rice J. 20 (2): 73-79, 2016.

- Monsur M A, M Ahmed, A Haque, Q S A Jahan, T H Ansari, M A Latif, N C D Borma, M A Ali, **M. S. Kabir** and B R Banik 2016. Cross Infection between Rice and Wheat Blast Pathogen *Pyricularia oryzae*. *Bangladesh Rice J.* 20 (2):21-29, 2016.
- Hossain M. I. Hossain, Niaz Md. Farhat Rahman, **M. S. Kabir** and Muhammad Tareq 2015. Development and Validation of Producer and Consumer Preference Models for Rice Varieties in Bangladesh. *Bangladesh Rice J.* 19(1):54-63, 2015.
- Hossain M. I., **M. S. Kabir** and M. Tareq, 1998. Evaluation of sample-hill method as an alternative to crop-cut method for estimating transplanted rice yield, *Bangladesh Rice Journal* Vol. IX, No. 1&2, p:39-43.
- Hossain M. A., A. W. Julfiquar, A. M. Nurunnabi, **M. S. Kabir** and M. E. Hoque 2005. Yield stability of some rice hybrids, *Bangladesh J. Prog. Sci. & Tech.* Vol. 3, No. 1, p: 19-22.
- Zaman M R, M.A. Hossain, D. N. R. Paul, **M. S. Kabir** and M. Z. Hossain 2004, Contribution of character towards divergence in BRRI-released modern Boro rice varieties. *The Agriculturists*; Vol. 2, No. 1, pp: 141-145.
- Akhter K. M, M. Hasan, S. S. Parul, **M. S. Kabir** and M. G. Rabbani 2002. Effect of strength of MS media on invitro rooting of a miniature rose, *Bangladesh Journal of Agricultural Sciences, BAU, Mymensingh* Vol. 29 No. 1, p:101-107.
- Chowdhury M. J. U., K. P. Halder and **M. S. Kabir** 2000. Productivity and economic impact of late transplanted aman rice as affected by spacing and variety, *Bangladesh Journal of Agricultural Sciences, BAU, Mymensingh* Vol. 27, No. 2, p:233-238.
- Saleque M. A., S. K. Zaman, M. Hasan, **M. S. Kabir** and G. M. Panaullah 1999. Determination of critical level of phosphorus in rice soils by statistical procedure, *Progressive Agriculture, BAU, Mymensingh*, Vol. 10, No. 1&2, p: 1-7.
- Ahmed G. J. U., S. T. Hossain, M. B. Rahman, **M. S. Kabir** and M. N. Bari 1998. Chemical weed control in wet-seeded rice, *Journal of agricultural education and technology*, Vol. 1 No. 2, p:75-80.
- Mustafi B. A. A., A. B. Siddique and **M. S. Kabir** 1998. Impact of HYV rice cultivation on male and female labour employment in Garo tribal area, *Bangladesh Journal of training and development, GTI, BAU, Mymensingh* Vol. 11 No. 1 & 2, p:199-206.
- Hossain S. T., G. J. U. Ahmed, **M. S. Kabir**, Z. U. Ahmed and S. Khondkar 1998. Effectiveness of SETOFF herbicide for weed control in Boro rice, *Bangladesh Rice Journal* Vol. IX, No. 1&2, p:29-37.
- Zaman M.R., M.K. Roy and **M. S. Kabir** 2003. Chi-square Mixture of t-moment distribution. *Bangladesh Rice Journal*; Vol. IX, (accepted).
- Zaman M.R., D.N.R. Paul, **M. S. Kabir** and M.M.R. Sarker 2003. Chi-Square Mixture of Gamma and Chi-Square Mixture of Chi-Square Distributions. *Bang. Rice Jour.* Vol. X (accepted).

Zaman M.R., M.K. Roy, D.N.R. Paul and **M. S. Kabir** 2004. Chi-square Mixtures of Earlang distribution Bang. Rice Jour. Vol. X, No. 1 (accepted).

Islam, M. F., M. R. Zaman, D.N. R. Paul, **M. S. Kabir** and M.M. Husain 2007. Selection of rice varieties for specific location in Boro season: GIS approach. Bangladesh Rice J. Vol. 12, No. 1 & 2, p: 1-8.

Biswas, J. C., M. Maniruzzaman, **M. S. Kabir**, M. A. Sattar and M. A. Saleque 2007. Development of soil fertility map at village level for rice production. Bangladesh Rice J. Vol. 12, No. 1 & 2, p: 9-15.

Maniruzzaman, M. J. C. Biswas, **M. S. Kabir**, M. A. Saleque and M. A. Sattar 2008. Soil fertility map at micro level for rice production: Prashadkalua village. Bangladesh Rice J. Vol. 13, No. 1, p: 23-29.

#### **(ii) Short Communication: 01**

**Kabir M. S.**, D N R Paul, M Howlader and M R Zaman 2007. Determination of the smallest Plot size for estimating plant characters and yield of transplanted rice. Bangladesh Rice J. Vol. 12, No. 1 & 2, p: 115-117.

#### **(c) Abstract/Seminar/ Workshop/Symposium/Proceedings**

##### **i. International: 13**

##### **Principal author: 06**

**Kabir M.S.**, M. A. Ali, B. R. Banik and M. U. Salam 2016. Rice security of Bangladesh in 2021 and 2041. 5<sup>th</sup> International agricultural Conference, 29-30 September 2016, Krishibid Institution Bangladesh (KIB), Krishi khamar Sarak, Farmgate, Dhaka, Bangladesh.

**Kabir M.S.** M.I Hossain, Niaz M.F.R and Y. Yamamoto 2015. Effects of Climate Change on Rice Yield in Bangladesh. International Workshop on Impacts of Climate Change on Agricultural and Adaptation to Extreme Events in Bangladesh. 05 October 2015, Bangladesh Rice Research Institute, Gazipur, Bangladesh.

**Kabir M.S.** 2009. Spatial dependency of arsenic in soils, irrigation water and plants from arsenic contaminated tube well used for irrigation in Boro rice cultivation. International Symposium on Monsoon Asia Agro-Environmental Research Consortium: Development of Phytoremediation technology for decreasing technology, 4-9 October 2009, Tsukuba, Japan.

**Kabir M.S.**, M Howlader, J K Biswas, M A A Mahbub and M Nur-E-Elahi 2008. Probability of low temperature stress at different growth stages of boro rice. International Symposium on Climate Change and Food Security in South Asia, 25-30 August 2008, Dhaka, Bangladesh.

**Kabir M.S.**, D.N.R. Paul, S. Sinh, M.A.M. Miah, G.M. Panauallah, R.H. Loeppert, J.M. Duxbury and C.A. Meisner 2005. Arsenic in Irrigation Water: Spatial Variability of

As Content and Selected Chemical parameters – comparison with BGS data. International Symposium “Behavior of Arsenic in Aquifers, Soils and Plants: Implications for Management” from 16-18 January 2005, IDB Bhaban, Bhaka, Bangladesh.

**Kabir M.S.**, D. N. R. Paul, S. C. Sinh, M.A.M. Miah, A.T.M. Farid, G.K.M.M. Rahman, M. Jahiruddin, G.M. Panaullah, R. H. Loeppert, J. M. Duxbury and C. A. Meisner 2005. Spatial Variability of Arsenic in Soils in Arsenic Contaminated Shallow Tube Well Command Areas Used for Irrigated Wetland Rice Cultivation. 8th International Conference on the Biogeochemistry of Trace Elements (ICOBTE), Adelaide Conference Center, Adelaide, Australia from 3-7 April 2005.

#### **Co-author: 07**

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