

**CV OF M. S. KABIR**  
**DIRECTOR GENERAL (GRADE-1)**  
**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  
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- 5. Permanent** : **Vill.- Digla, P.O.- K. Amtala, Upazila- Netrakona Sadar**  
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[dg@brri.gov.bd](mailto:dg@brri.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 BRRI 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 BRRI 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.
- Participated in the Golden Rice Project workshop on Risk Communication on 9-11 June 2015 at IRRI Philippines.
- Participated in the discussion meeting regarding cold tolerant rice germplasm on 12-15 July 2017 at Nepal & 16-19 July 2017 at Bhutan.
- Participated in the study tour program along with honorable Agricultural minister at IRRI, on 27-29 November 2017 in Philippines.
- Participated in the 5<sup>th</sup> International Rice Congress (IRC) 2018 in Singapore on 15-17 October 2018.
- Participated in the study tour program on 10-18 November 2018 at Seattle, USA.
- Participated in the Study tour program on 7-16 March 2019 in Germany, France & Netherlands.

- Participated in the meeting on the Global Institute for Food Security on 2-10 October 2019 at University of Saskatchewan, Ottawa, Canada.
- Participated in the meeting of the SAARC Research Advisory Committee on 16-17 October 2019 in India.
- Participated in **South-South High-Level Meeting** on September 1-2, 2022, in New Delhi, India organized by Borlaug Institute for South Asia (BISA).
- Participated in **World Food Forum and World Investment Forum Meeting** in Rome, Italy from the 16<sup>th</sup> of October 2022 to the 21 October 2022.

**11. Positions held:** **Director General (Grade-1)**, Bangladesh Rice Research Institute, Joydebpur, Gazipur from 3<sup>rd</sup> January, 2023 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)	66000-76490	12/11/2013	30/08/2017
Director General (Current Charge)	-	31/08/2017	02/01/2023
Director General (Grade-1)	78000	03/01/2023	Till to-date

## **Publications of M S Kabir**

<b>(i) Scientific journals</b>	Publications:	National	=	60
		International	=	46
		<b>Total</b>	=	<b>106</b>

### **(a) Paper published in the Reputed International Journal: (33)**

#### **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)**

Rahman, N.M.F., Malik, W.A., Kabir, M.S., Baten, M.A., Hossain, M.I., Paul, D.N.R., Ahmed, R., Biswas, P.S., Rahman, M.C., Rahman, M.S. and Iftekharuddaula, K.M., 2023. 50 years of rice breeding in Bangladesh: genetic yield trends. Theoretical and Applied Genetics, 136(1), pp.1-13.

Hasan MJ, Kulsum MU, Sarker U, Matin MQI, Shahin NH, Ercisli S, Marc RA and Kabir MS. Assessment of GGE, AMMI, Regression and its Deviation model to identify stable rice Hybrid in Bangladesh-|| Plants 2022, 11, 2336. 07 September 2022. <https://doi.org/10.3390/plants11182336>

Debsharma, S. K., Rahman, M. A., Quddus, M. R., Khatun, H., Disha, R. F., Roy, P. R., ... & Kabir, M. S. (2022). SNP Based Trait Characterization Detects Genetically Important and Stable Multiple Stress Tolerance Rice Genotypes in Salt-Stress Environments. Plants, 11(9), 1150.

MA Aziz, HUS Shohan, NMF Rahman, MC Rahman, SAI Nihad, SMQ Hassan, **MS Kabir**, MI Hossain, R Ahmed, MA Qayum, MAA Mamun, F Rahman, Z Rukshanara and MS Kabir 2022. Projection of Future Precipitation in Bangladesh at Kharif-|| Season Using Geospatial Techniques. 09 June 2022. <https://doi.org/10.1007/s41748-022-00319-9>.

Md. AR Sarker, 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: Articacle: 813933.

- Naher, U.A., Biswas, J.C., Maniruzzaman, M., Khan, F.H., Sarkar, M.I.U., Jahan, A., Hera, M.H.R., Hossain, M.B., Islam, A., Islam, M.R. and Kabir, M.S., 2021. Bio-organic fertilizer: a green technology to reduce synthetic N and P fertilizer for rice production. *Frontiers in plant science*, 12, p.602052.
- Al Mamun, M.A., Nihad, S.A.I., Sarkar, M.A.R., Aziz, M.A., Qayum, M.A., Ahmed, R., Rahman, N.M.F., Hossain, M.I. and Kabir, M.S., 2021. Growth and trend analysis of area, production and yield of rice: A scenario of rice security in Bangladesh. *PloS one*, 16(12), p.e0261128. <https://doi.org/10.1371/journal.pone.0261128>
- Biswas, J.K., Salam, M.A., Kabir, M.S. (2020). Rice Research Revisited: BRRI and Its Achievements. In: Islam, M., Hossain, M. (eds) *Science and Technology Innovation for a Sustainable Economy*. Springer, Cham. [https://doi.org/10.1007/978-3-030-47166-8\\_5](https://doi.org/10.1007/978-3-030-47166-8_5)
- Moin U. Salam, Bidyuth K. Mahalder, Humnath Bhandari, Md. Shahjahan Kabir, M. Abdur Rouf Sarkar, Bodrun Nessa, M. Ansar Ali, Chapter 44 - Policy Directions Toward Increasing Rice Productivity—Lessons from Bangladesh, Editor(s): Mirza Hasanuzzaman, Masayuki Fujita, Kamrun Nahar, Jiban Krishna Biswas, *Advances in Rice Research for Abiotic Stress Tolerance*, Woodhead Publishing, 2019, Pages 895-913, ISBN 9780128143322, <https://doi.org/10.1016/B978-0-12-814332-2.00044-7>.
- Al-Mamun, A., Rahman, M.N.F., Aziz, M.A., Qayum, M.A., Hossain, M.I., Nihad, S.A.I. and **Kabir, S.**, 2018. Identification of meteorological drought prone area in Bangladesh using Standardized Precipitation Index. *J. Earth Sci. Clim. Chang*, 9, p.1000457.
- Kabir, M.J., Iftakharuddaula, K.M., Aditya, T.L. and **Kabir, M.S.**, 2018. Rice Technological Innovation and Value Chain Development in Bangladesh: Current Status and Future Directions. *Rice Technological Innovation and Value Chain Development in South Asia: Current Status and Future Directions: SAARC Agriculture Centre*, p.22.
- 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, <sup>M.</sup> **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. Grounwater 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: 48**

**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 Iftekharuddaula, 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 Mahbub 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: 44**

Ali, M.P., Nessa, B., Khatun, M.T., Salam, M.U. and Kabir, M.S., 2021. A way forward to combat insect pest in rice. Bangladesh Rice Journal, 25(1), pp.1-22. <https://doi.org/10.3329/brj.v25i1.55176>

Khatun, M., Nessa, B., Salam, M., & Kabir, M. (2021). Strategy for Rice Disease Management in Bangladesh. Bangladesh Rice Journal, 25(1), 23–36. <https://doi.org/10.3329/brj.v25i1.55177>

Hossain, M., Maniruzzaman, M. ., Islam, A., Salam, M., & Kabir, M. (2021). Management and Utilization Strategy of Water Resources for Rice Production. Bangladesh Rice Journal, 25(1), 37–50. <https://doi.org/10.3329/brj.v25i1.55178>

Rahman, N.M.F., Rahman, M.C., Baten, M.A., Hossain, M.I., Hassan, S.M.Q., Ahmed, R., Hossain, M.M., Hossain, A.B.M.Z., Aziz, M.A., Haque, M.M. and Halder, T., 2021. Weather Forecast Based Rice Advisory Services in Bangladesh. Bangladesh Rice Journal, 25(1), pp.51-74. <https://doi.org/10.3329/brj.v25i1.55179>

Karmakar, B., Rahman, M.M., Sarkar, M.A.R., Mamun, M.A.A., Rahman, M.C., Nessa, B., Salam, M.U. and Kabir, M.S., 2021. Adoption Lag Minimization for Increasing Rice Yield. Bangladesh Rice Journal, 25(1), pp.75-88. <https://doi.org/10.3329/brj.v25i1.55180>

Nasim, M., Khatun, A., Kabir, M.J., Mostafizur, A.B.M., Mamun, M.A.A., Sarkar, M.A.R. and Kabir, M.S., 2021. Intensification of Cropping through Utilization of Fallow Period and Unutilized Land Resources in Bangladesh. Bangladesh Rice Journal, 25(1), pp.89-100. <https://doi.org/10.3329/brj.v25i1.55181>

Kabir, M.J., Sarkar, M.A.R., Rahman, M.C., Rahman, N.M.F., Mamun, M.A.A., Chowdhury,

- A., Salam, M.U. and Kabir, M.S., 2021. Risk of rice cultivation under current and future environment and market. *Bangladesh Rice Journal*, 25(1), pp.101-110. <https://doi.org/10.3329/brj.v25i1.55182>
- Hossain, M.S., Islam, A.K.M.S., Kabir, M.J., Sarkar, M.A.R., Mamun, M.A.A., Rahman, M.C., Salam, M.U. and Kabir, M.S., 2021. Role of Training in Transferring Rice Production Technologies to Farm Level. *Bangladesh Rice Journal*, 25(1), pp.111-120. <https://doi.org/10.3329/brj.v25i1.55183>
- Kabir, M.S., Salam, M.U., Islam, A.K.M.S., Sarkar, M.A.R., Mamun, M.A.A., Rahman, M.C., Nessa, B., Kabir, M.J., Shozib, H.B., Hossain, M.B. and Chowdhury, A., 2020. Doubling rice productivity in Bangladesh: A way to achieving SDG 2 and moving forward. *Bangladesh Rice Journal*, 24(2), pp.1-47. <https://doi.org/10.3329/brj.v24i2.53447>
- Rabbi, S.M.H.A., Biswas, P.L., Rashid, E.S.M.H., Iftexharuddaula, K.M., Rahman, N.M.F., Rahman, M.S., Sarkar, M.A.R., Mamun, M.A.A., Salam, M.U. and Kabir, M.S., 2020. Increasing rice yield through targeting genetic potentials by rice types. *Bangladesh Rice Journal*, 24(2), pp.67-82. <https://doi.org/10.3329/brj.v24i2.53449>
- Rahman, M.S., Haque, M.M., Kabir, M.J., Islam, A.K.M.S., Sarkar, M.A.R., Mamun, M.A.A., Salam, M.U. and Kabir, M.S., 2020. Enhancing rice Productivity in the unfavourable ecosystems of Bangladesh. *Bangladesh Rice Journal*, 24(2), pp.83-102. <https://doi.org/10.3329/brj.v24i2.53450>
- Shozib, H.B., Siddiquee, M.A., Rahman, N.M.F., Mamun, M.A.A., Sarkar, M.A.R., Rabbi, S.M.H.A., Salam, M.U. and Kabir, M.S., 2020. Grain quality research of rice for ensuring nutritional food security. *Bangladesh Rice Journal*, 24(2), pp.103-117. <https://doi.org/10.3329/brj.v24i2.53451>
- Haque, M.M., Islam, M.R., Rahman, M.S., Sarkar, M.A.R., Mamun, M.A.A., Salam, M.U. and Kabir, M.S., 2020. Soil health as influenced by fertilizer management in rice based cropping system. *Bangladesh Rice Journal*, 24(2), pp.119-131. <https://doi.org/10.3329/brj.v24i2.53452>
- Bhuiyan, M., Salam, M., & Kabir, M. (2021). Integrated Weed Management Strategies for Sustainable Rice Production in Bangladesh. *Bangladesh Rice Journal*, 24(2), 133–159. <https://doi.org/10.3329/brj.v24i2.53454>
- Bhuiyan, M.K.A., Islam, A.K.M.S., Sarkar, M.A.R., Mamun, M.A.A., Salam, M.U. and Kabir, M.S., 2020. Agronomic management and interventions to increase rice yield in Bangladesh. *Bangladesh Rice Journal*, 24(2), pp.161-181. <https://doi.org/10.3329/brj.v24i2.53453>
- Aziz, M.A., Hossain, M.I., Ahmed, R. and Rahman, N.M.F., Al Mamun, M.A., Kabir, M.S., Edaphic Suitability Mapping of BRRI dhan50 and BRRI dhan72. 7th Int. Conf. on Data Science & SDGs, December 18-19, 2019, Dept. of Statistics, RU, pp 735-742
- Al Mamun, M.A., Hossain, M.I., Kabir, M.S., Rahman, N.M.F., Qayum, M.A., Aziz, M.A. and Ahmed, R. GGE biplot and Stability Analysis for Yield Performance of Rice Genotypes across Different Environments in Bangladesh. 7th Int. Conf. on Data Science & SDGs, December 18-19, 2019, Dept. of Statistics, RU, pp 743-750

- Qayum, M.A., Hossain, M.I., Rahman, N.M.F., Aziz, M.A., Al Mamun, M.A., Ahmed, R. and Kabir, M.S., Region specific BRRI variety adoption: A simple way of increasing national production. 7th Int. Conf. on Data Science & SDGs, December 18-19, 2019, Dept. of Statistics, RU, pp 755-764
- Shalahuddin, A. K. M., Masuduzzaman, A. S. M., Ahmed, M. M. E., Aditya, T. L., & Kabir, M. S. (2020). Development of High Yielding Deep Water Rice Variety BRRI dhan91 for Semi Deep Flooded Ecosystem of Bangladesh. Bangladesh Rice Journal, 23(1), 57–63. <https://doi.org/10.3329/brj.v23i1.46081>
- Kabir, M. J., Islam, M. A., Rahman, M. C., Rahaman, M. S., Kabir, M. S., & Siddique, M. A. B. (2020). Diffusion of Wet Season (T. Aman) Rice Cultivars under Changed Environment in Northwest Bangladesh. Bangladesh Rice Journal, 23(1), 81–106. <https://doi.org/10.3329/brj.v23i1.46084>
- Nessa, B., Dipti, S., Salam, M., Haque, A., Biswas, J., Kashem, M., & Kabir, M. (2019). Seed Germination and Grain Quality of Rice as Affected by False Smut Disease. Bangladesh Rice Journal, 22(1), 1–7. <https://doi.org/10.3329/brj.v22i1.41832>
- 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. Julfikar, 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 Erlang 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. Panaullah, 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**

Mansur 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**, B R Banik 2016. Research update of cross infection between rice and wheat blast at BRRI. 27 October 2016 in Bangladesh Agricultural Research Council, Farmgate, Dhaka, Bangladesh.

Yamamoto Y, S Kobayashi, J. Furuya and **M S Kabir** 2015. Quantification of Land Suitability Assessment for Rice. 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.

Salam M. U, M, A. Kader, M. A. J. Mridha, A. K. M. R. Amin, N. A. Khondaker, A. K. Das, M. H. Rashid and **M S Kabir** 2016. Agronomic vision and roadmap for Bangladesh agriculture through to 2050. Key note paper in 15<sup>th</sup> conference on national conference of Bangladesh Society of Agronomy on agronomy and livelihood: Vision 2050 and beyond for Bangladesh. 24-25 September 2016, Bangladesh Agricultural University, Mymensingh, Bangladesh.

Islam M.S., M.A. Salam, J.K. Biswas and **M.S. Kabir** 2012. Aila impact on the livelihood of the coastal people of Bangladesh, 28-29 November 2012, Tsukuba, Japan.

Paul D.N.R., **M. S. Kabir** and S. Sinh 2005. Spatial Variability of Arsenic in the Environment and in Rice - implications and uses of information at different scales. 16-18 January 2005, IDB Bhaban, Bhaka, Bangladesh. International Symposium “Behavior of Arsenic in Aquifers, Soils and Plants: Implications for Management” from 16-18 January 2005, IDB Bhaban, Bhaka, Bangladesh.

Paul D.N.R., **M.S. Kabir**, M.A.M Miah, S. Sinh, G.M. Panaullah, R.H. Loeppert, J.M. Duxbury and C.A. Meisner 2005. Soil Degradation Due to Use of Arsenic Contaminated Ground Water and its effect on the quality of rice grain and straw. 8th International Conference on the Biogeochemistry of Trace Elements (ICOBTE), Adelaide Conference Center, Adelaide, Australia from 3-7 April 2005.

Paul D.N.R., Z.U. Ahmed, **M. S. Kabir**, G..M. Panaullah, J. Lauren and J..M. Duxbury 2000. A GIS assessment of the scope for increasing productivity of rice wheat systems in Bangladesh. Fifth Seminar on GIS and Developing Countries GISDECO 2000 IRRI, Philippines from 2-3 November, 2000.

**ii. National: 03****Principal author: 01**

**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. 10<sup>th</sup> National statistical conference, Dhaka, July 6-7, 2007.

**Co-author: 02**

Ali M.A., **M.S. Kabir**, B. R. Banik, M. A. Mamin and M. A. Kasem 2016. জলবায়ু পরিবর্তন মোকাবেলায় ধান গবেষণা ও করণীয়। কৃষিকথা কার্তিক ১৪২৩ (বিশেষ সংখ্যা)।

Jabber M.A., M. Shahe Alam, P.K. Dey, D.N.R. Paul, M. Eusuf Harun, **M.S. Kabir**, J.U. Chowdhury and B.A.A. Mustafi 2006. Economics of Rice Production and Policy Support for Higher Profitability. 21<sup>st</sup> BRRI-DAE Joint Workshop on Bridging the Rice Yield Gap for Food Security, Organised by Bangladesh Rice Research Institute and Department of Agricultural Extension from 19-21 September 2006.

#### **Seminar: 04**

##### **Principal author: 02**

**Kabir M S**, DN R Paul, Munnujan Khanam and Sonkor Chandra Sinh 2004. Characterization of Boro Rice growing Environment in Bangladesh. Thursday seminar, BRRI, May 20, 2004.

**Kabir M S**, D N R Paul and M Ahiduzzaman 2007. e-Governance: Concept and Uses. Thursday seminar, BRRI, August 28, 2007.

##### **Co-author: 02**

Paul D N R, **M S Kabir** and M Howlader 2005. Stability Analysis of Cultivers – A New Approach. Thursday seminar, BRRI, July 07, 2005.

D N R Paul, **M S Kabir** and A H Khan 2007. Rice Statistics: Method of Estimating Area and Production. Thursday seminar, BRRI, August 07, 2007.

#### **Books: 3**

**Kabir, MS**, GM Panaullah and M Khanam (Ed). 2022. 50 Years of Technological Advances, 1<sup>st</sup> Edition, Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh

**M S Kabir**, M U Salam, A K M S Islam, M A R Sarkar and M A A Mamun, eds. 2020. Doubling rice productivity in Bangladesh. Bangladesh Rice Research Institute, Gazipur, Bangladesh: pp. 453.

Aziz, M A., Rahman, N M F., Rahman, M C., Nihad S A I., Ahmed, R., Qayum, M A., Mamun, M A A., Hossain, M I., **Kabir, M S.** (2023). Present and Future Precipitation Scenario of Bangladesh. Bangladesh Rice Research Institute (BRRI), Bangladesh. ISBN: 978-984-35-3975-5.

#### **Monographs: 02**

**Kabir M.S.**, M. H. Kabir, M.S. Islam, A. Islam and M.S. Parvin 2001. Participatory Rural Appraisal Report on Barangay Panasol, Pila, Laguna, Philippines from 6-8 March 2001.

Khan M.M.K, **M.S. Kabir**, M.U. Tuhin, M.A.K. Azad 2000. Existing and recommended cropping pattern of Bhaluka Upazilla based on land type and soil properties. A report on the “Application of GIS in Agricultural planning” Organised by BARC, Dhaka, from 2 May to 30 June, 2000.