

Curriculum Vitae

MD. ABUBAKAR SIDDIQUE, PhD

Senior Scientific Officer (Rice Scientist)
Genetic Resources and Seed Division
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PARENTAL STATUS

Name of Father: Md. Altaf Hossain; Profession-Teacher (retired),

Name of Mother: Mst. Afsona Begum; Profession-Housewife

Village: Baishtabak; Upazila: Barguna Sadar; District: Barguna; Bangladesh

DATE OF BIRTH

1st January, 1984

MARITAL STATUS

Married

CITIZENSHIP

Bangladeshi (by birth)

EDUCATIONAL BACKGROUND (IN REVERSE CHRONOLOGY)

Degree	Course Duration	Class/ Division	University/ Board	Years of Passing	Remarks
PhD in Genetics	4 years	Very good (GPA 1.40)	University of the Philippines Los Banos (UPLB) and IRR	2022	Thesis Title: Salinity Recovery Screening and Genome-Wide Association Study (GWAS) on Related Physiological Traits in Rice (<i>Oryza sativa</i> L.)
Master of Science in Agronomy	2 years	A (First class) (GPA 3.929 out of 4.0)	Bangladesh Agricultural University, Mymensingh	2008	
Bachelor of Science (Hons.) in Agriculture	4 years	A (First class) (GPA 3.99 out of 4.0)	Patuakhali Science & Technology University, Dumki, Patuakhali	2004 (Held in 2006)	First class first, Awarded University Gold Medal
HSC (Science)	2 years	First Division	Jessore	2000	
SSC (Science)	10 years	First Division	Jessore	1998	

FIELD OF SPECIALIZATION

Rice Variety Improvement, Rice Genetic Resources Conservation & Management, Genetics and Seed Technology

AWARD RECEIVED

- Awarded the Young Rice Scientist Award in 4th International Rice Congress-2014 held in Bangkok, Thailand during 27 October to 1st November 2014.
- Awarded the University Gold Medal in 2010 for securing the best result (1st) in the B.Sc.Ag (Hons.) examination (2006) in the Faculty of Agriculture, Patuakhali Science & Technology University.
- Awarded the Director Generals' Award for first position in four month durated 21st foundation training course for NARS Scientists at BARD, Comilla, Bangladesh.

PROFESSIONAL EXPERIENCE/CURRENT JOB

Position	Organization	Length of service		Main Job Description	Remarks
		From	To		
Senior Scientific Officer	BRRI, Gazipur	15.12.2014	till date	Production and distribution of breeder seed; Maintenance of BRRI developed and released varieties; Collection, characterization and documentation of rice genetic resources; Seed technology research; Technology transfer, Research management like Programming, execution, monitoring, evaluation and coordination of various activities related to rice genetic resources, Breeder seed production and seed technology through different divisions of BRRI and part- time trainer at the institute, other GO, NGO and PS organizations.	Posted at GRSD, BRRI, Gazipur
Scientific Officer	BRRI, Gazipur	12.11.2007	14.12.2014	do	do

BRRI= Bangladesh Rice Research Institute, GRSD=Genetic Resources and Seed Division

Reviewer of the Journal

- *Current Journal Applied Science and Technology* (<https://www.journalcjast.com/index.php/CJAST>)
- *International Research Journal of Pure and Applied Chemistry* (<https://www.journalirjpac.com/index.php/IRJPAC>)
- *Plant Cell Biotechnology and Molecular Biology Journal* (www.ikpress.org)
- *International Journal of Plant & Soil Science* (<https://www.journalijpss.com/index.php/IJPSS>)
- *Asian Journal of Biochemistry, Genetics and Molecular Biology* (<https://www.journalajbgmb.com/index.php/AJBGMB>)
- *International Journal of Environment and Climate Change* (<https://publons.com/journal/46762/>)
- *Annual Research & Review in Biology* (<https://publons.com/journal/24486/annual-research-review-in-biology/>)

Management of Research Project

- Principal Investigator of the project 'OMICS Food and Nutritional Security (OFANS)-Rice Germplasm' funded by KGF-GIFS from 20 September 2022 to date.
- Co-Principal Investigator of the project 'Rice Germplasm collection and conservation from hilly, coastal, haor and other areas of Bangladesh funded by NATP-CGP Phase-1 project under KGF-BARC from 2008 to 2011.
- Co-Principal Investigator of the project 'Characterization of important plant genetic resources-BRRI component' - NATP-SPGR Phase-1 project under BARC from 2010 to 2014.
- As a collaborative researcher of 'TLS production program under 17.15% yield increase of rice (Action plan)' funded by BARC from 2008 to 2010.
- As a collaborative researcher of 'Multiplication and processing of breeder/nucleus seeds of Zn enriched rice varieties' funded by CIAT-HarvestPlus project from 2013 to 2018.
- As a collaborative researcher of collecting project of IRRI — Exploration, collection and conservation of rice landraces in Bangladesh (IRRI Ref. No.: A-2012-306), a Global Crop Diversity Trust (GCDDT) funded project during 2013-2015.
- As a Co-Principal Investigator of the project 'Characterization of important plant genetic resources-BRRI component' - NATP-SPGR Phase-2 project under BARC during 2018.

INVOLVEMENT IN TECHNOLOGY DEVELOPMENT

- A large number of rice germplasm (local, HYV, exotic, advanced lines, pure line) was collected and preserved in BRRI genebank.
- Sustainable Rice Seed Network established and expanded. Increased quantity of breeder seed of BRRI released varieties are produced for distribution.
- Released and recommended rice varieties are maintained as nucleus stock.
- Seed production and preservation technology package for BRRI released varieties were developed as leaflet and flipchart.
- Protocol for rice seedling stage salinity recovery screening optimized.

RESEARCH PROGRAM DEVELOPED AND EXECUTED

- Rice Germplasm Conservation and Management for different seasons under Genetic Resource and Seed Division (GRSD) of BRRI, Gazipur.
- Genetic Diversity study for Boro, T. Aman and Aus seasons in different years under GRSD of BRRI, Gazipur.
- Genebank management, database development, and documentation in different years under GRSD of BRRI, Gazipur.
- Breeder seed Production and Distribution for different seasons in different years under GRSD of BRRI, Gazipur.
- Maintenance and production of Nucleus seed of BRRI developed and recommended varieties.
- Seed technology research, exploratory and genetic studies.
- Evaluation of rice germplasm for resistance to diseases and insects.
- Monitoring of Breeder seed and Foundation seed production farms.

RESOURCE PERSON IN TRAINING PROGRAMME AND SEMINAR

- Presented seminar (virtually) on the Rice Breeding Innovations Platform Science Webinar at IRRI entitled 'Salinity recovery screening and genome-wide association study (GWAS) on related physiological traits in rice' on 17 November 2022.
- Resource speaker of Thursday seminar at BRRI on Salinity Recovery screening and Genome-wide association study (GWAS) on related physiological traits in rice (*Oryza sativa* L.) on 27 October 2022.
- Resource person for Rice Production training course for BRRI Scientists/UAO at BRRI, Gazipur, Bangladesh.
- Resource speaker in the different training courses for UAO/SAAO/NGO personnel held at BRRI or other institutes as a trainer.

MONITORING AND EVALUATION

- Participated as a member of the monitoring team formed for inspecting field related problems in rice production in different seasons across the country.
- Participated as a member of the monitoring team formed for inspecting field related problems in rice seed production in different farms of BADC and other NGO/private sector's seed production farms of Bangladesh.
- Acted as an opening member/evaluation committee member of tenders at BRRI.

PARTICIPATION IN TECHNOLOGY TRANSFER SYSTEMS

- Participated in different Agriculture fair and Seed fair under different national programs.
- Participated in different field day or demonstration under different programs.

PROFESSIONAL TRAINING/WORKSHOP/SEMINAR OBTAINED

Local Training

- Service Process Simplification (SPS) held at BIRRI during 27-28 May 2023
- Bioinformatics for Sustainable Development in Agriculture held at BARC during 27 November to 1st December 2022.
- Global Plan of Action Reporting and Collection & Documentation of Plant Genetic Resources in Bangladesh held at BARC during 24-26 April 2018.
- Project Management, Procurement and Monitoring at NATA, Gazipur during 26 Dec. 2017 to 8th Jan. 2018
- Green Super Rice (GSR) Training course on Crop Management Skills at BIRRI during 6-7 September 2015`
- Participatory Plant Breeding held in BJRI during 22-24 July 2014
- Rice production, Communication and Office Management held in BIRRI during 12-17 April 2014
- Use of Fertilizer Recommendation Guide-2012 at BARC during 30 March to 1st April 2014
- Experimental Design, Layout and Statistical Analysis at BIRRI during 22-24 December 2013
- Gene Cloning and Rice Transformation at BIRRI during 15-24 April 2013
- Integrated Rice Production Technology at BIRRI during 19-24 January 2013
- Participatory training on “On farm Research Methodology” at BARI during 19-24 May 2012
- Genetic Theory of Hybrid Rice Breeding at BIRRI during 25 April to 8th May 2014
- Foundation Training Course for NARS Scientists (Batch-21) at BARD during 19 September 2010 to 6th January 2011
- GSR-Hybrid Rice Seed production training course at BIRRI during 23-25 February 2010
- Cereal Seed Processing and Preservation at BADC during 21-22 June 2009
- Research Methodology at GTI during 25 May to 7th June 2009
- Training on Biometry at BIRRI during 24 April 2009
- National Biosafety at BCDM, Gazipur during 21-30 November 2008
- 1-Month Rice Production Training at BIRRI during 27 July to 25 August 2008
- Breeder Seed Production and Preservation of Rice at BIRRI during 14-16 June 2008
- Hybrid Rice Seed Production Technology at BIRRI during 6-14 April 2008

Foreign Training

- Bioinformatics Training Course SNPs to GWAS Online Training Program at IRRI, Philippines during December 1-4, 2020.
- International Training Workshop on Germplasm Management System (GMS) in Asia at RDA, Suwon, Korea during 21-28 May 2013
- Regional Training Programme on Quality Seed Production Technology of Rice and Vegetables at Seed certification and plant protection centre, Sri Lanka during 02-13 December 2012
- Seminar on Hybrid Rice Planting and Extension for Developing Countries at Yuan LongPing High Tech Agriculture Co. Ltd. Changsha, Hunan, China during 13 July to 2nd August 2011.

Foreign Workshop/Seminar/Fair

- Participated in 4th International Rice Congress-2014 held in Bangkok, Thailand during 27 October to 1st November 2014
- Participated in Annual planning and Review Workshop of Stress Tolerant Rice for Africa and South Asia (STRASA) project in Kathmandu, Nepal during 17 September, 2015.
- Participated in 5th Agro Protech-2015 fair at Kolkata, India during 19-21 November, 2015.

INVOLVEMENT IN PROFESSIONAL ASSOCIATION

Association name	Nature of membership	Year of registration
BIRRI Scientist Association	General Member	2007
Plant Breeding and Genetics Society of Bangladesh	Life Member	2008
Weed Science Society of Bangladesh	General Member	2008
Bangladesh Society of Agronomy	General Member	2010
Bangladesh Society of Seed Technology	Life Member	2010
Seed Science Society of Bangladesh	Life Member	2012
Bangladesh Association for the Advancement of Science	Life Member	2014
Krishibid Institution of Bangladesh	General Member	2014

THESIS RESEARCH

- **PhD thesis (2022):** Salinity Recovery Screening and Genome-Wide Association Study (GWAS) on Related Physiological Traits in Rice (*Oryza sativa* L.).
- **MS thesis (2008):** Effect of plant spacing and nitrogen level on the yield performance of transplant Aman rice cv. Surjomoni.

LIST OF ALL PUBLICATIONS (71)

(a) Scientific Journals (44)

As Principal author (13)

1. **M A Siddique**, N Islam, H Begum, A Bhuiya, and M A A Mamun. 2009. Effect of plant spacing and nitrogen level on the yield performance of T. Aman Rice. *Eco-friendly Agril. J.* 2 (6): 637-640
2. **M A Siddique**, ESMH Rashid, M Khalequzzaman, M Z Islam, M S Ahmed and M H K Baktiar. 2010. Genetic diversity of local rainfed rice (*Oryza Sativa* L.). *Bangladesh J. Pl. Breed. Genet.*, 23(2): 41-46
3. **M A Siddique**, M Z Islam, M Khalequzzaman and M S Ahmed. 2011. Genetic diversity in rice (*Oryza Sativa* L.) Landraces of hilly areas in Bangladesh. *Bangladesh J. Pl. Breed. Genet.*, 24(2): 25-30
4. **M A Siddique**, M Z Islam, M Khalequzzaman and M H K Baktiar. 2012. Seed Dormancy of some modern Boro and Aus Rice varieties of Bangladesh. *Seed Tech. J.* 3: 18-21
5. **M A Siddique**, M Khalequzzaman, M Z Islam, M S Ahmed and ESMH Rashid. 2013. Genetic diversity in local Boro rice (*Oryza Sativa* L.) genotypes of Bangladesh. *Bangladesh J. Pl. Breed. Genet.*, 26(1): 19-24
6. **M A Siddique**, N Islam, MZ Islam, SMM Islam and J Hussain. 2014. Effect of N level on growth and yield of T. Aman Rice CV. Surjomoni. *Int. J. Sustain. Crop Prod.* 9 (2): 33-37
7. **M.A. Siddique**, E.S.M.H. Rashid, M. Khalequzzaman, M.K. Bashar and L.R. Khan. 2014. Molecular Characterization and Genetic Diversity in T. Aman Landraces of Rice (*Oryza sativa* L.) Using Microsatellite Markers. *Thai J. of Ag. Science.* 47(4): 211-220
8. **M A Siddique**, M Khalequzzaman, M M Islam, K Fatema and M A Latif. 2016. Molecular characterization and genetic diversity in geographical indication (GI) rice (*Oryza sativa* L.) cultivars of Bangladesh. *Brazilian J. Bot.* 39(2):631–640 (DOI 10.1007/s40415-016-0271- 1).
9. **M A Siddique**, M Khalequzzaman, M Z Islam, E S M H Rashid, M H K Baktiar and M A Z Chowdhury. 2016. Genetic diversity in Aus rice genotypes using ILP markers. *Bangladesh Rice J.* 20(2):13-19
10. **M A Siddique**, M Khalequzzaman, K Fatema, M Z Islam, M M Islam and M A Z Chowdhury. 2016. Molecular characterization and genetic diversity of Aman rice (*Oryza sativa* L.) landraces in Bangladesh. *Bangladesh Rice J.* 20(2):1-11
11. **M A Siddique**, M Khalequzzaman, M Z Islam, M H K Baktiar and M S Ahmed. 2016. Genetic diversity assessment of quantitative traits in landraces of Aus rice. *Bangladesh J. Pl. Breed. Genet.*, 29(2): 17-24
12. **M A Siddique**, M Khalequzzaman, K Fatema, M Z Islam, M H K Baktiar, Islam MM. 2017. DNA Fingerprinting and Genetic Diversity in Aus Rice (*Oryza sativa* L.) Landraces of Bangladesh. *Bangladesh Rice J.* 21(1):59-65
13. **M A Siddique**, M Khalequzzaman, M Z Islam, A Bhuiya, M H K Baktiar and Anjuman Ara. 2018. Agro-Morphological Characterization of Geographical Indication Rice Cultivars Grown in Bangladesh. *The Experiment J.*, 45(4): 2598-2610

As co-author (31)

1. H Begum, M Khatun, **M A Siddique**, A Akter and M K Hossain. 2009. Influence of Different Concentration of Surfactants on Plant Regeneration from Cotyledons of *Corchorus capsularis* and *Corchorus olitorius*. *Eco-friendly Agril. J.2 (4)*:404-503
- 2.. M Z Islam, H Begum, **M A Siddique**, A Bhuiya and M M R Dewan.2009. A Study on wheat seed quality in different storage containers. *Eco-friendly Agril. J.2 (12)*: 1033-1037.
3. A. Bhuiya, M S Hossain, S R Bhuiyan, **M A Siddique** and M Z Islam. 2010. Isolation and characterization of maintainers and restorers from inter sub-specific (*indica* × *japonica*) derivative lines of rice. *Eco-friendly Agril. J.3 (1)*: 38-44
4. S Islam, S Mitra, **M A Siddique**, M K Khatun and M A Siddique. 2010. Effects of different Planting Time and Irrigation on Growth and Yield of Garlic (*Allium sativum* L.). *The Agriculturists J. 8(1)*: 57-62
5. MAA Mamun, R Shultana, **MAB Siddique**, MS Zahan and S Pramanik.2010. Impact of oxadiazon and pyrazosufuron-ethyl on rice and associated weeds in dryseason rice cultivation. *Pak. J. Weed Sci. Res. 16(3)*: 309-319
6. M Z Islam, M Khalequzzaman, **M A Siddique**, M S Ahmed and M H K Baktiar.2011. Seed Dormancy of modern Aman Rice varieties of Bangladesh.*Seed Tech.J(1)*: 52-56
7. S Banik, MZ Islam, MA Haque, **M A Siddique**, A Mallik and M A Siddiquee. 2012. Physico- chemical Properties based genetic diversity of T. Aman Rice genotypes. *Eco-friendly Agril. J.5 (07)*: 69-72
8. MHK Baktiar, MA Samad, M Khalequzzaman, N Sharma and **M A Siddique**. 2013. Morphological characterization of local Aus rice germplasm (*Oryza sativa* L.). *Eco-friendly Agril. J. 6 (10)*: 238-242
9. MHK Baktiar, **M A Siddique**, M Khalequzzaman, A Bhuiya and MZ Islam. 2013. Effect of maturity period and harvesting time on quality and yield in breeder seed of rice (*Oryza sativa* L.). *Eco-friendly Agril. J. 6 (11)*: 249-252
10. MHK Baktiar, **M A Siddique**, A Bhuiya, ESMH Rashid and MS Ahmed. 2013. Optimization of seedling number for breeder seed production of rice (*Oryza sativa* L.). *Eco-friendly Agril. J. 6 (12)*: 253-256
11. MZ Islam, **M A Siddique**, ESMH Rashid, MS Ahmed and M Khalequzzaman. 2014. Genetic Diversity in Sadajira Rice (*Oryza sativa* L.) Germplasm. *The Agriculturists J. 12(1)*: 26-32
12. MAI Khan, MR Bhuiyan, MS Hossain, PP Sen, A Ara, **MA Siddique** and MA Ali. 2014. Neck blast disease influences grain yield and quality traits of aromatic rice. *C.R. Biologies 337*: 635-641
13. MJ Hasan, U Kulsum, NMF Rahman, T Farhat and **MA Siddique**. 2015. Hybrid Rice Parental Lines Development Utilizing Different Rice Germplasms. *Advances in Environmental Biology 9 (2)*: 24-29
14. J Hussain, M Salim, **M A Siddique**, M Khatun and S Islam. 2015. Evaluation of N efficiency using prilled urea and ureasupergranules in T. aman rice. *Bangladesh Agron. J. 18(1)*: 59- 63 (DOI: <http://dx.doi.org/10.3329/baj.v18i1.25568>).
15. MS Ahmed, S Parveen, MHK Baktiar and **MA Siddique**. 2015. Study of qualitative agro- morphological characters of Dhaliboro rice germplasm. *Eco-friendly Agril. J. 8(8)*: 91-96.

16. MS Ahmed, S Parveen, MZ Islam and **MA Siddique**. 2015. Characterization of Dhaliboro rice (*Oryza sativa* L.) germplasm of Bangladesh for morpho-physicochemical traits. *Intl. J. BioRes.* 19 (1): 1-11.
17. MR Biswash, M Sharmin, NMF Rahman, T Farhat and **MA Siddique**, 2016. Genetic Diversity in Modern T. Aman Rice Varieties of Bangladesh (*Oryza sativa* L.). *Sains Malaysiana* 45(5): 709–716
18. MU Kulsum, MJ Hasan, **MA Siddique**, F Begum and Z. Akond. 2013-2015. Genetic Diversity in selected Rice genotypes (*Oryza sativa* L.). *Bangladesh J. Agri.* 38-40: 63-72.
19. J Hussain, **M A Siddique**, M M Mia, G N Hasan, A S Seajuti, M R Mallik and E Zaman. 2016. Effect of different doses of nitrogen fertilizer on T. Aman rice. *Int. J. Bus. Soc. Sci. Res.* 4(4): 328-332
20. N Akter, M Z Islam, **M A Siddique**, T Chakrabarty, M Khalequzzaman and M A Z Chowdhury. 2016. Genetic diversity of Boro rice (*Oryza sativa* L.) landraces of Bangladesh. *Bangladesh J. Pl. Breed. Genet.*, 29(2): 33-40
21. N Akter, M Z Islam, A Bhuiyan, **M A Siddique** and M Khalequzzaman. 2017. Distinctness of 45 irrigated rice (*Oryza sativa* L.) landraces of Bangladesh through agro-morphological traits. *Eco- friendly Agril. J.* 10 (7): 100-107
22. MZ Islam, M Khalequzzaman, **MA Siddique**, N Akter, MS Ahmed, MAZ Chowdhury. 2017. Phenotypic characterization of Jhum rice (*Oryza sativa* L.) landraces collected from Rangamati district in Bangladesh. *Bangladesh Rice Journal* 21(1):47-57
23. M Khalequzzaman, M Z Islam, **M A Siddique**, M F R K Prince, ESMH Rashid and M S Ahmed. 2017. Genetic Diversity in Aus Rice Landraces of Bangladesh using SSR Markers. *Bangladesh J. Pl. Breed. Genet.*, 30(1): 11-20.
24. Islam, M.Z., Khalequzzaman, M., Prince, M.F.R.K., **Siddique, M.A.**, Rashid, E.S.M.H., Ahmed, M.S.U., Pittendrigh, B.R., Ali, M.P., Islam et al. 2018. Diversity and population structure of red rice germplasm in Bangladesh. *PLoS ONE* 5: e0196096.
25. N Akter, H Begum, MZ Islam, **MA Siddique**, M Khalequzzaman. 2018. Genetic diversity in Aus rice (*Oryza Sativa* L.) genotypes of Bangladesh. *Bangladesh J. Agril Res.* 43 (2): 253-266
26. MZ Islam, N Akter, T Chakrabarty, A Bhuiya, **MA Siddique**, M Khalequzzaman. 2018. Agro-morphological Characterization and Genetic Diversity of Similar Named Aromatic Rice (*Oryza sativa* L.) Landraces of Bangladesh. *Bangladesh Rice Journal* 22(1):45-56
27. M.Z. Islam, **M.A. Siddique**, N. Akter, M.F.R.K. Prince,, M.R. Islam,M. Anisuzzaman and M.A.K. Mian. 2019. Morpho-molecular Divergence of Restorer Lines for Hybrid Rice (*Oryza sativa* L.) Development. *Cereal Research Communications* 47(3), pp. 531–540.
28. SAA Muti, MI Hoque, MM Islam, **MA Siddique**, MS Islam. 2020. Morpho-molecular characterization and screening of rice (*Oryza sativa* L.) genotypes for salinity tolerance at seedling stage. *SAARC Journal of Agriculture* 18 (2): 1-15.
29. M.Z. Islam, M. Khalequzzaman, T. Chakrabarty, N. Akter, M.F.R. Khan A. Bhuiya, **M.A. Siddique**. 2021. GENETIC DIVERSITY AND POPULATION STRUCTURE OF SIMILAR NAMED AROMATIC RICE (*Oryza sativa* L.) LANDRACES OF BANGLADESH. *SAARC J. Agric.*, 19(2): 57-71. DoI: <https://doi.org/10.3329/sja.v19i2.57826>.

30. M Khalequzzaman, MZ Islam, FRK Prince, ESMH Rashid, **MA Siddique**. 2022. Genetic Diversity and Population Structure of Boro Rice Landraces of Bangladesh. Rice Research: Open Access, 10 (6): 1-9.
31. M. Khalequzzaman, T. Chakrabarty, M.Z. Islam, E.S.M.H. Rashid, M. F. R. K. Prince, **M.A. Siddique**. 2022. Assessment of Mean Performance, Variability, Traits Association and Path Coefficient in Transplanted Aman Rice (*Oryza sativa* L.) Landraces. Asian Journal of Biology, 16 (4): 27-39.

(b) Books/ Monographs/ Bulletins (5):

(i) Book (03):

As Principal author: Nil

As co- author (03):

1. L. Rahman, MK Bashar, MAK Mian, **MA Siddique**, ESMH Rashid, N Haque and MS Islam. 2010. Plant Varieties of Bangladesh: Morphological and Molecular Characterization. Published by Seed Wing, Ministry of Agriculture, Government of the People's Republic of Bangladesh, Volume-4, Part-Rice, 1-235pp.
2. MK Bashar, M Z Islam , **M A Siddique** & M Khalequzzaman. 2011. Passport Data of Rice Germplasm collected from hilly, coastal, haor and other areas of Bangladesh. ed. MK Bashar. Published by Genetic Resources and Seed Division, Bangladesh Rice Research Institute Gazipur- 1701. 40p.
3. Chowdhury MAZ, MN Islam, MA Rahim, M Khalequzzaman, MA Salam, MM Islam, M Shamsunnahar, MR Islam, MM Hussain, SN Begum, MA Rahman, SMM Hossain, MMA Ali, F Ahmed, MA Alim, MH Rahman, MM Hossain, MH Rashid, MA Hossain, MS Uddin, RA Chanda, ESMH Rashid, MZ Islam, AKMS Hossain, MM Ahmed, KMR Karim, F Yasmine, MK Islam, **MAB Siddique**, MS Hossain, S Rahman, QM Ahmed and AC Manidas. 2021. Collection, Conservation and Characterization of Important Plant Genetic Resources: Sub-Project Completion Report: Vol. (I-III): 1-1177.

Bulletins(02):

As Principal author (01):

1. **M A Siddique**, M Khalequzzaman, ESMH Rashid, M Z Islam & M K Bashar. 2011. Bulletin on "BRRI dhan49: Quality seed production and preservation (in Bengali)". Published by Genetic Resources and Seed Division, Bangladesh Rice Research Institute, Gazipur- 1701.

As co-author (01):

2. M K Bashar, **M A Siddique**, M Khalequzzaman, M Z Islam, ESMH Rashid & MHK Baktiar. 2011. Bulletin on "Collection of Rice Germplasm from hilly, coastal and haor areas of Bangladesh (in Bengali)". Published by Genetic Resources and Seed Division, Bangladesh Rice Research Institute Gazipur- 1701.

(c) Seminar/ Workshop/ Symposium /Proceedings/ Abstract/ Popular article (22):

As Principal author (06):

1. **MA Siddique**, N Islam, MZ Islam and SMM Islam. 2011. Effect of N Level on Growth and Yield of T. Aman Rice. Abstract in Souvenir of 10th conference of Bangladesh Society of Agronomy held at BARI during 8th October, 2011.
2. **MA Siddique**, M Khalequzzaman, MM Islam and K Fatema. 2014. Molecular Characterization and Genetic Diversity in Geographical Indication (GI) Rice (*Oryza sativa* L.) cultivars of Bangladesh using SSR Markers. Abstract in Souvenir of 9th biennial conference of Plant Breeding and Genetics Society of Bangladesh held at KIB and BARC during 25-26 October, 2014. p.56
3. **M A Siddique**, M Khalequzzaman, M M Islam, K Fatema and M S Ali. 2014. Molecular characterization and genetic diversity in geographical indication (GI) rice (*Oryza sativa* L.) landraces of Bangladesh using SSR markers. Abstract in Bangladesh Rice Research Abstracts 2014. BRRI, Gazipur 1701. p.41
4. **MA Siddique**, M Khalequzzaman and MS Ahmed. 2014. Seed Delivery System: Building a Rice Seed Network for Poor Farmers in Bangladesh. Paper presented on 4th International Rice Congress (IRC14-0055) during 27 October to 1st November 2014 at Bangkok, Thailand. P.48
5. **MA Siddique**. 2018. Agriculture of Bangladesh: Constraints and means of overcome (in Bengali). Published by Adhunik Krishi Khamar, a Quarterly Agricultural Magazine during March 2018.42-43pp.
6. **MA Siddique**, M Khalequzzaman, A Bhuiya, ESMH Rashid, MHK Baktiar, MSA Ahmed and MZ Islam. 2023. Genetic Diversity Analysis in Irrigated Rice (*Oryza sativa* L.) Landraces of Bangladesh using SSR Markers. Abstract in Souvenir of International Symposium for 50 years' glory and success of BRRI held at BRRI during 23-24 February, 2023.p.75

As co- author (16):

1. M Khalequzzaman, **M A Siddique**, MS Ali and MS Islam. 2012. Rice Research and Achievement in Bangladesh: BRRI Perspective. Paper presented on 3rd Agro Bangladesh Fair during 04-06 October 2012 at Bangabandhu International Conference Centre, Dhaka. Organized by MoA and MoF.
2. M K Bashar, M Khalequzzaman, **M A Siddique** and Md.Shahjahan Ali. 2012. Quality assurance in different classes of seed: Bangladesh perspective. Paper presented in National seed fair & seminar, 2012 at Shere-e Bangla University during 11-13 July, 2012. 23-32pp.
3. M Khalequzzaman, **M A Siddique** and M K Bashar. 2012. Rice Genetic Resources Conservation and Utilization in Bangladesh. 2012. Paper presented in National Workshop on Plant Genetic Resources for Nutritional Food Security held at BARC, Dhaka, 18-19 May, 2012. 50-60pp.
4. MK Bashar, **M A Siddique** and M Khalequzzaman. 2012. Rice Genetic Resources Conservation and Utilization in Bangladesh. Abstract in Souvenir of 3rd International Seed Conference and Fair during 08-10 February 2012 at Bangladesh Agricultural University, Mymensingh. Organized by MoA and Seed Science Society of Bangladesh. p.54.

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6. M Khalequzzaman, M Z Islam, **M A Siddique**, MHK Baktiar, MS Ahmed and JK Biswas. 2014. Breeder Seed Production and Distribution System in BRRI. Paper in Souvenir of Annual General Meeting and Seminar-2014 during August 30, 2014 at Bangabandhu International Conference Centre, Dhaka. Organized by Bangladesh Seed Association.
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