Biodata of Dr. Mst. Salma Pervin

Dr. Mst. Salma Pervin
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1. General Information

Father's Name	:	Freedom Fighter Late Md. Taizul Islam
Mother's Name	:	Late Shazeda Begum
Husband's name		Mohd. Abdul Malek
Permanent Address	:	Raninagar Bazar, Raninagar, Naogaon
Present Address	:	Chief Scientific Officer, Plant Physiology Division, Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh
Nationality	:	Bangladeshi by birth
Marital Status	:	Married
Date of Birth	:	31st December, 1971
Basic degree	:	B. Sc. Agriculture MS in Crop Botany PhD in Crop Botany
Field of specialization	:	Rice Physiology (Specially Stress Physiology)
Date of entry into service	:	20 August, 1998
Date of joining in the present position		6th December, 2022
Mailing address	:	Chief Scientific Officer and Head, Plant Physiology Division, Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh

2. Academic Career

Name of Institution	Principal Subject	Degree	Passing Year	Result	GPA/ CGPA	Distinction
Bangladesh Agricultural University, Mymensingh	Crop Botany	PhD	2017	Satisfactory	--	--
Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	Crop Botany	MS	2005	1st Class	A grade (3.73 out of 4)	--
Bangladesh Agricultural University, Mymensingh	Agriculture	BScAg	1993	1st Class	--	11th Place
Rajshahi Govt. College, Rajshahi	Science	HSC	1989	1st Division	--	--
Raninagar Girls High School,Raninagar, Naogoan	Science	SSC	1987	1st Division	--	--

3. Main Subjects taught in undergraduate

Genetics and Plant Breeding, Agronomy, Botany, Crop Botany, Pathology, Entomology, Soil Science, Horticulture, Agricultural Chemistry, Physical and Analytical Chemistry, Organic Chemistry, Bio-Chemistry, Animal Husbandary, Agricultural Economics, Statistics, Farm Mechanics, Rural Science, Agricultural Extension etc.

4. Main Subjects taught in MS Course:

Plant Physiology I, Plant Embryology, Taxonomy of Crop Plants, Plant Nutrition, Plant Growth Regulators, Plant Anatomy, Plant Breeding, Plant Ecology I, Soil-Plant Analysis, Principles of Crop Production, Stress Physiology, Design of Experiments etc.

5. Training Experience

a. In Country:

Course Title	Institution	*Location	Period		Grade	Position
			From	To		
1. Rice production, Communication and Office management	BRRI	Gazipur	18 October 1998	15 December 1998	A^+	--
2. Workshop-cum-training in Rice Breeding & Hybrid Rice Development (TCTTI Project)	BRRI	Gazipur	18 May 1999	21 May 1999	Pass	--
3. Foundation training course for NARS scientists	BARD	Comilla	6 February 2000	21 May 2000	A^+	--
4. Breeder Seed Production and Preservation Techniques of Rice	BRRI	Gazipur	18 June 2002	20 June 2002	Pass	--
5. Hybrid rice development and	BRRI	Gazipur	19 March	23 March	Pass	--

seed production			2006	2006		
৬. খাদ্যভিত্তিক পুষ্টি (ফলিত পুষ্টি)	বা ফ ম উ ব	Dhaka	22 February 2009	26 February 2009	Pass	--
7. Crop physiology and climate change	KGF, BARC	Rajendrapur, Gazipur	22 June 2013	27 June 2013	Pass	--
8. Modeling climate change impact on Bangladesh Agriculture	KGF, BARC	Rajendrapur, Gazipur	27 July 2013	03 August 2013	Pass	--
9. Training workshop on climate risks, vulnerability and adaptation assessment in development intervention.	ADB	ADB, Bangladesh Resident Mission, Dhaka	10 March 2014	11 March 2014	Pass	--
10. Modeling climate change impact on Bangladesh agriculture using DSSAT	BARC-CDM	Savar, Dhaka	7 June 2014	19 June 2014	Pass	--
11. Experimental Design and Data Analysis Training Course	BRRI	Gazipur	1 April 2017	3 April 2017	Pass	--
12. Hybrid rice development and seed production Training course	BRRI	Gazipur	2017		Pass	--
13. Rice Physiological Development through Trait Discovery	BRRI	Gazipur	11 August 2018	16 August 2018	Pass	--
14. Breeding for Results (B_4R)	BRRI	Gazipur	11 November 2018	13 November 2018	Pass	--
15. Financial management	BIM	Dhaka	2018		Pass	--
16. Basic Molecular Biology and Disease Resistance	BRRI	Gazipur	23 March 2019	28 March 2019	Pass	--

b. Abroad:

Course Title	Institution	Country	Period		Grade	Position
			From	To		
1. International training course on Farming Systems Research and Development	FSSRI, UPLB, Philippines	Philippines	24 January 2001	17 March 2001	Pass	--
2. Drought Screening for rice genetic improvement	BIRSA Agricultural University,Ranchi, Jharkhand, India	India	10 November 2008	15 November 2008	Pass	--

6. Participated Workshop/Seminar/Conference etc. from date of joining:

a. **In-country:**

Workshop/Seminar / Conference title	**Duration**	**Venue**	**Funding Source**
National Workshop on Modern Rice cultivation in Bangladesh	3 days (14-16 Feb, 1999)	BRRI, Gazipur	BRRI DAE

19th National Workshop on Rice Research and Extension in Bangladesh 2002	3 days (29-31 Jan, 2002)	BRRI, Gazipur	BRRI DAE
20th National Workshop on Rice Research and Extension in Bangladesh 2004	3 days	BRRI, Gazipur	BRRI DAE
Planning Workshop on Sustainable Rice Seed network—A GO-NGO partnership	1 day (18 May,2005)	BRRI, Gazipur	PETRRA
Stress-tolerant rice for Africa and South Asia (Phase 2) planning workshop	1 day (9 April,2011)	Dhaka	IRRI
5th National Convention and International Agricultural Conference	2 days (29-30 September, 2016)	KIB, Dhaka	Self
10th Biennial Conference 2017, Plant Breeding and Genetics Society of Bangladesh.	2 days (7-8 January, 2017)	KIB & BARC, Dhaka	Self
25th Anniversary celebrating by OWSD in Bangladesh	1 day (10 November, 2018)	Agargaon, Dhaka	OWSD
Transforming Rice Breeding: Current status and way Forward	3 days (18-20 November, 2018)	ACI Centre, Dhaka	IRRI
Transforming Rice Breeding: IRRI-BRRI Collaborative Project, Closing Workshop	23-24 October, 2019	KIB, 18-20 November, 2018)	IRRI
Workshop on Result Sharing & Planning of Head to Head Adaptive Trial	21 Aril 2021	Conference room Training Complex, BRRI	TRB
Annual Review workshop on Crop Production of NARS Institute: Research progress 2020-2021 & Research program 2021-22	20-21 Septamber, 2021	Auditorium, BARC, Farmgate, Dhaka	BARC
Annual Research Planning Workshop-2021-2022 KGF-IRRI-BRRI Haor project	18 October 2021	Chuti Resort, Gazipur	KGF
Annual Review workshop on Crop Production of NARS Institute: Research progress 2021-2022 & Research program 2022-23	24-25 August,2022	Auditorium, BARC, Farmgate, Dhaka	BARC
Annual Workshop-2022 KGF-IRRI-BRRI Haor project	10 October 2022	Conference room Training Complex, BRRI	IRRI
2nd conference of Bangladesh Society of Plant Science and Technology (BSPST)	23-24 January, 2023	Cox's Bazar, Bangladesh	BSPST
Transforming Rice Breeding Workshop	5-6 March, 2023	Auditorium, BRRI	TRB
Annual Review workshop on Crop Production of NARS Institute: Research progress 2022-2023 & Research program 2023-24	27-28 August, 2023	Auditorium, BARC, Farmgate, Dhaka	BARC
Annual Review & Planning	01-04 September	Sunamgonj	SDCTR,

Workshop-2023, SDCTR, KGF-IRRI-BRRI Haor project	2023		KGF

b. Abroad:

Workshop/Seminar/Conference title	Duration	Venue	Funding Source
Review workshop of STRASA Phase 2 and launching of STRASA Phase 3	4 days (20-23 May, 2014)	Delhi, India	IRRI
InterDrought-V Conference	5 days (21-25 February, 2017)	Hyderabad, India	ICRISAT
5th International Rice Congress (IRC5)	4 days (14 to 17 October, 2018)	Marina Bay Sands, Singapore	IRRI
International Conference on Biodiversity, Food Security, and Sustainability & Climate Change (ICBFSCC)	4 days (25-28 April, 2023.	Assam Agricultural University (AAU), Jorhat, Assam, India	AAU
6th International Rice Congress (IRC6)	4 days (16 to 19 October, 2023)	International Philippines Convention Centre, Manila, Philippines	IRRI

7. Research Experience

- Since joining (1998) conducted research on rice in order to develop modern varieties with high yield potentials. Also developed component technologies for improving productivity of cropping systems, and transferred crop production technologies through training, workshops, seminars and publications.
- Developed, supervised and executed priority research programmes of BRRI and report presented in the seminar and workshop.
- Engaged IRRI-BRRI collaborative projects (STRASA) in which serving as a "Physiologist".
- Engaged IRRI-BRRI collaborative projects (TRB) in which serving as a "Physiologist".
- Also engaged in the development of inbred rice, screen out the potential rice varieties for future breeding programme since 1998. Five lines were identified as a tolerant to drought which was released as a modern variety such as BRRI dhan56, BRRI dhan57, BRRI dhan66, BRRI dhan71 and BRRI dhan83 for drought prone area.

8. Professional Experience

Position	Period		
	From	To	Total

			Yr/Mo
SO (Revenue), Plant Physiology Division, BRRI, Gazipur	20 /8/1998	31/05/2006	7 years, 9 months &11 days
SSO(Revenue), Plant Physiology Division, BRRI, Gazipur	1/06/2006	30/01/2019	12 years, 7 months & 29 days
PSO (Revenue), Plant Physiology Division, BRRI, Gazipur	31/01/2019	06/12/2022	3 years, 10 months & 6 days
PSO (Revenue) and Head, Plant Physiology Division, BRRI, Gazipur	25/10/2020	06/12/2022	2 years, & 2 months
CSO (Revenue) and Head, Plant Physiology Division, BRRI, Gazipur	06/12/2022	Till to date	

9. Training/Teaching Experience

Acting as regular resource person for the rice production training course for the officers of BRRI, DAE, NGO and Private sectors personnel and farmers.

10. Others relevant activities

a. Knowledge of computer and training equipment

- Have good computer knowledge in MS Word, MS Excel, PowerPoint, IRRIstat, MSstat, Adobe Photoshop, MIS and Internet Explorer.
- Have good knowledge to operate the different training equipment such as multimedia, projector, slide etc.

b. *Professional affiliations and others*

Association name	Type of member
Bangladesh Rice Research Institute Scientist's Association (BRRISA)	General Member
Bangladesh Botany Society	Associate Member
Bangladesh Society of Plant Science and Technology (BSPST)	Life Member
Bangladesh Agronomy Society (BSA)	General Member
Bangladesh Association for the Advancement of Science (BAAS)	General Member
Plant Breeding and Genetics Society of Bangladesh (PBGSB)	Associate Member

c. Member of the IRRI-BRRI working group

- Member of Stress-Tolerant Rice for Africa and South Asia (STRASA) project, working group-drought component (Bangladesh site) as a Physiologist.
- Member of Transforming Rice Breeding (TRB) project, as principal investigator in Plant physiology Division.
- Member of Transforming Rice Breeding (TRB) project, working group-drought component as a Physiologist.

11. Award received

(i) for In-Country MS scholarship funded by Outreach Research Program Project, BRRI
(ii) for PhD study funded by strengthening and capacity building of biotechnology lab
(iii) received BARC Chairman's Award for the 5th Foundation Training Course.

12. Publications

- About 25 articles, monographs and abstract published in several research journals, proceedings, etc. of home and abroad.

List of Publications

(a) Scientific Journals (Full paper)

As Principal author (11)

Published in reputed Int. J.

1. **Pervin, M. S.,** A. R. Gomosta and J. U. Ahmed. 2010. Effect of age on the survival and recovery of submerged rice (*Oryza sativa* L.) seedlings. Bangladesh J. Bot. 39 (1):21-28

2. **Pervin, M. S.,** A. R. Gomosta, J. U. Ahmed, R. Yasmeen and M.S. Islam. 2006. Effect of turbid water and black cloth cover on submergence tolerance of rice. The Agriculturists. 4 (1 and 2): 1-6

Published in National J.

3. **Pervin, M. S.,** T. Halder, M. Khalequzzaman, M. A. Kader, T. L. Aditya and R. Yasmeen. 2017. Genetic Diversity and Screening of Rice (*Oryza sativa* L.) Genotypes for Drought Tolerance at Reproductive Phase. Bangladesh Rice J. 21(1):27-34

4. **Pervin, M. S.** and J. K. Biswas. 2010. Determination of growth stages of some rice varieties as affected by sowing time. Eco-friendly Agril. J. 3 (3): 159-165

5. **Pervin, M. S.** and J. K. Biswas. 2010. Effect of submergence on the ripening phase of Boro rice. Eco-friendly Agril. J. 3 (8): 376-380

6. **Pervin, M. S.,** S.S. Parul and Kabita. 2010. Effect of nitrogen content of rice seedling on recovery after submergence. Intl. J. Biores. 8(3): 45-50

7. **Pervin, M. S.,** H.N. Barman, S.S.Parul and A.Islam. 2009. Effect of depth and duration of submergence on survival and recovery of rice (*Oryza sativa* L.) seedlings. Bangladesh J.Prog. Sci. & Tech. 7 (2): 195-198.

8. **Pervin, M. S.** and J. U. Ahmed. 2007. Effect of Phosphorus on submergence tolerance of rice (*Oryza sativa L.*) seedling. Bangladesh Rice J. 12 (1and 2): 105-109.

9. **Pervin, M. S**., R. Yasmeen, K. M. Iftekharuddaula, A. Islam and M.S. Islam. 2005. Effect of seedling age and depth of water on submergence tolerance of T.Aman rice varieties. Int. J. Sustain. Agril. Tech. 1 (4): 1-7.

10. **Pervin, M. S**., R. Yasmeen, M.S. Islam and K. M. Iftekharuddaula. 2005. Growth behavior of plants as affected by N, P, K and S fertilization at post submergence during T. Aman season. Bangladesh J. Prog. Sci. and Tech. 3 (1): 9-12.

11. **Pervin, M. S.** and A. R. Gomosta. 2005. Submergence effect on T. Aman rice varieties with respect to photoperiod sensitivity and recovery stage N- management practices. J. Subtrop. Agric. Res. Dev. 3 (1): 73-77.

As co-author **(14)**

Published in reputed Int. J.

12. Biswas, J. K., M. S. Islam, R. Yasmeen, **M. S. Pervin,** M. S. Kabir and S. Alam. 2002. Relative contribution of the coleoptile and the first leaf length to seedling establishment of rice (*Oryza sativa* L.) as affected by anaerobic seeding in two different soils. Pakistan J. Biological Sciences. 5 (4): 413-415.

13. Islam. A., J.C. Biswas, A.J.M. Sirajul Karim, **M. S. Pervin** and M.A. Saleque. 2016. Effects of potassium fertilizer on growth and yield of wetland rice in grey terrace soils of Bangladesh. Research on Crop Ecophysiology. 10/2 (2): 64-82.

Published in National J.

14. Akter, S., **S. Pervin,** K. M. Iftekharuddaula, A. Akter and R. Yasmeen. 2016. Characterization and Evaluation of aerobic rice genotypes under transplanted Condition. Bangladesh Rice J. 20 91): 45-50

15. Biswas, J. K., **M. S. Pervin,** R. Yasmeen, M. R. Islam and M. F. Islam. 2003. Seedling establishment of anoxia-tolerant rice genotype as affected by straw content and soil incubation. Bangladesh J. Agril. Research. 28 (3): 399-405.

16. Biswas, J. K., **M. S. Pervin,** M. A. Siddiquee, S. T. Hossain and A. A. Mahbub. 2000. Genotype response of rice (*Oryza sativa* L.) seedling growth as affected by volatile fatty acids. Bangladesh J. Environ. Sci. 6: 155-159.

17. Islam. A., **M. S. Pervin,** M. A. M. Miah, R. Shaheen and R. Mahmud. 2006. Fractionation of Arsenic in some rice soils irrigated with arsenic contaminated ground water. Int. J. Sustain. Agril. Tech. 2 (2): 1-8.

18. K. M. Iftekharuddaula, M. A. Newaz, S. Khatun and **M. S. Pervin.** 2007. Genetic variability, character association and Path Coefficient Analysis for Physiological trait in a Dillel Cross of Rice. Bangladesh Rice J. 12 (1 & 2): 51-56.

19. Parul, S.S., M. Hasan, **M. S. Pervin**, and J. H. Fred. 2009. Factors that influence the extent of fuel consumption: A study at barind-tract in Bangladesh. Eco-friendly Agril.J. 2 (5): 587-591

20. Parul, S.S., **M. S. Pervin**, M. Hasan, and J. H. Fred. 2009. A study on Exploitation of various fuel sources in rural Bangladesh and their impact on soil environment. J. Environ. Sci. & Natural Resources. 2 (1): 143-148.

21. Parul, S. S., **M. S. Pervin**, Kobita, Q.S.A. Jahan and M. Hasan. 2009. Study of rice yield variation over 20 years time (Late' 60s to early '80's) Intl. J. Biores. 6 (5):43-50

22. Yasmeen, R., M.M. Rashid, **M. S. Pervin,** A. Biswas, T. Hulder and S. Akter. 2016. Evaluation of Boro rice varieties under conventional and double transplanting methods. Eco-friendly Agril. J. 9 (6): 35-41

23. Yasmeen, R., M.A.A. Mahbub, J. K. Biswas, H.U. Ahmed and **M. S. Pervin**. 2007. Effect of Ca concentration on growth and nutrient uptake of rice genotypes under saline conditions. Bangladesh J. Prog. Sci. Tech. 5 (2): 469-472.

24. Yasmeen, R., **M. S. Pervin**, A. B. S. Sarker, H.U. Ahmed and M. S. Islam. 2007. Grain production of rice genotypes as mitigated by calcium under saline condition. Int. J. Sustain. Agril. Tech. 3 (4): 10-13.

25. Yasmeen, R., J. U. Ahmed, **M. S. Pervin,** H.U. Ahmed and M. S. Islam. 2005. Yield and Na ion distribution of rice genotypes as affected by salinity stress. Bangladesh J. Prog. Sci. Tech. 3 (1): 81-84.

(b) Monographs:

1. Kabir, M. S., M. H. Kabir, M. S. Islam, A. Islam and **M. S. Pervin** (2001). Participatory Rural Appraisal Report for Barangay Pansol, Pila, Laguna, Philippines. March 6-8, 2001.

(c) i. Abstract published in Scientific Journal/ Seminar/Workshop/ Symposium Conference Proceedings

1. **Pervin, M. S**., T. L. Aditya and R. Yasmeen. 2023. Physiological Characterization of BRRI dhan71 for Drought tolerance at Reproductive Phase under Control Conditions. International Symposium for 50 Years Glory and Success of Bangladesh Rice Research Institute. 23-24 February, 2023. Bangladesh Rice Research Institute, Gazipur- 1701, Bangladesh. 116p.

2. Rahman, M. S., M. Khanam, R. Yasmeen, **M. S. Pervin,** A. Biswas, T. Halder, H. N. Barman and J. K. Biswas. 2023. Cool Rice in Hot Climate: High Temperature-induced Spikelet Fertility QTL (qHTSF4.1) Improves Heat Tolerance at The Flowering Stage of Rice. International Symposium for 50 Years Glory and Success

of Bangladesh Rice Research Institute. 23-24 February, 2023. Bangladesh Rice Research Institute, Gazipur -1701, Bangladesh. 116p.

3. Barman, H. N., M. S. Rahman, **M. S. Pervin and** J. K. Biswas. 2023. Crop Improvement through Genome Editing System to Achieve Food Security. International Symposium for 50 Years Glory and Success of Bangladesh Rice Research Institute. 23-24 February, 2023. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. 116p.

4. Rahman, M. S., S. M. Hisam Al Rabbi, H. N. Barman, M. Khanam, M.H. Hossain, **M. S. Pervin,** Z. I. Seraj and M. S. Kabir. 2023. Challenges and Opportunities of C_4 Rice Bioengineering for Rice Food Security. 2nd Conference on "Plants for Food, Health and Resilient Environment" of Bangladesh Society of Plant Science and Technology (ICBSPST) 2023 during 23-24 January, 2023. Cox's Bazar, Bangladesh. 72p.

5. Hasan, M., M. H. Hussain, M. Khanam, A. Biswas, T. Halder, H. N. Barman, **M. S. Pervin,** U. K. Nath, Z. I. Seraj and M. S. Rahman. 2023. Application of Diverse Marker Systems to Track SNP linked to qHTSF4.1: a quantative Trait Locus for Rice Heat Tolerance. 2nd Conference on "Plants for Food, Health and Resilient Environment" of Bangladesh Society of Plant Science and Technology (ICBSPST) 2023 during 23-24 January, 2023. Cox's Bazar, Bangladesh. 72p.

6. **Pervin, M. S**., H. R. Pramanik and J. K. Biswas. 2017. Effect of drought stress on growth, yield and assimilates partitioning in rice (*Oryza sativa* L.) Genotypes at reproductive phase. InterDrought-V conference. 21-25 Feb, 2017, Hyderabad, India. *In:* NATUREINDIA, natureresearch. 136p.

7. **Pervin, M. S.,** T. Halder, M. Khalequzzaman, M. A. Kader, T. L. Aditya and R. Yasmeen. 2017. Genetic Diversity and Screening of Rice (*Oryza sativa* L.) Genotypes for Drought Tolerance at Reproductive Phase. 10th Biennial Conference 2017, Plant Breeding and Genetics Society of Bangladesh. 69p.

8. Aditya, T. L., Karmakar, B., Islam, T., **Pervin, M. S.,** Majumder, Ahmed, H. U., Sharma, N. R., Nasim, M., Ali, M. A., Islam, S., Ansari, T. H., Kader, M. A., Hore, T. K., Amelia, H., Haefele, S. and Kumar, A. 2015. Progress on the development of drought tolerant varieties in rainfed lowland rice ecosystem in Bangladesh. M.A. Saleque, M.A. Kashem, M.A. Ali and M.S. Kabir (*eds*). Bangladesh rice research abstract 2014. Bangladesh Rice Research Institute, Gazipur 1701, Bangladesh. 33p.

ii. Abstract presented in Seminar/Workshop/ Symposium Conference
Presented in Int. Conference:

1. **Pervin, M. S.,** M. A. Kader, R. Yasmeen and M Khalekuzzaman. 2023. Morpho-physiological Characterization of Advanced Breeding Lines of Rice (*Oryza sativa* L.) Genotypes under Reproductive Drought Stress. Paper presented in the 6th International Rice Congress (IRC6), during 16-19 October 2023 held at International Philippines Convention Centre (IPCC), Manila, Philippines.

2. **Pervin, M. S.,** T. Sultana, M. F. Islam and M. Khalekuzzaman. 2023. Identification of Drought Tolerant Donor Parents and Genetic Diversity of Land Races of Rice (*Oryza sativa* L.) Genotypes. Poster presented in the 6th International Rice Congress (IRC6), during 16-19 October 2023 held at International Philippines Convention Centre (IPCC), Manila, Philippines.

3. **Pervin, M. S.,** T. Sultana and M. A. Kader. 2023. Evaluation of Advanced Breeding Lines of Rice (*Oryza sativa* L.) Genotypes under Control Drought Condition at Reproductive Phase. Paper presented in the International Conference on Biodiversity, Food Security, Sustainability and Climate Change (ICBFSCC-2023) during 25-28 April 2023 held at Assam Agricultural University (AAU).

4. Sadia Afrin Shupta, T. Halder and **M. S. Pervin.** 2023. Determination of Flowering Response of Rice (*Oryza sative* L.) Genotypes to Photoperiod. Paper presented in the International Conference on Biodiversity, Food Security, Sustainability and Climate Change (ICBFSCC-2023) during 25-28 April 2023 held at Assam Agricultural University (AAU).
5. Rahman, M. S., S. M. Hisam Al Rabbi, H. N. Barman, M. Khanam, M.H. Hossain, **M. S. Pervin,** Z. I. Seraj and M. S. Kabir. 2023. Challenges and Opportunities of C_4 Rice Bioengineering for Rice Food Security. Paper presented in the 2nd Conference on "Plants for Food, Health and Resilient Environment" of Bangladesh Society of Plant Science and Technology (ICBSPST) 2023 during 23-24 January, 2023. Cox's Bazar, Bangladesh.
6. Hasan, M., M. H. Hussain, M. Khanam, A. Biswas, T. Halder, H. N. Barman, **M. S. Pervin,** U. K. Nath, Z. I. Seraj and M. S. Rahman. 2023. Application of Diverse Marker Systems to Track SNP linked to qHTSF4.1: a quantative Trait Locus for Rice Heat Tolerance. Poster presented in the 2nd Conference on "Plants for Food, Health and Resilient Environment" of Bangladesh Society of Plant Science and Technology (ICBSPST) 2023 during 23-24 January, 2023. Cox's Bazar, Bangladesh.

7. Barman, H. N., M. S. Rahman, **M. S. Pervin,** J. K. Biswa, M. S. Kabir. 2021. Application of CRISPR/Cas9-mediated genome editing technique for the trait development in rice. Paper presented in the First International Conference of Bangladesh Society of Plant Science and Technology (ICBSPST) 2021 during 11–12 December 2021 using the zoom platform.

8. **Pervin, M. S**., J. K. Biswas and H. R. Pramanik. 2018. Screening of Rice Genotypes based on Morpho-physiological Characters under Drought Stress at Reproductive Phase. Poster presented in the 5th International Rice Congress during 15-17 October 2018, held at Singapore.

9. **Pervin, M. S**., J. K. Biswas and H. R. Pramanik. 2018. Screening of Rice Genotypes based on Morpho-physiological Characters under Drought Stress at Reproductive Phase. Poster presented in the 5th International Rice Congress during 15-17 October 2018, held at Singapore.
10. **Pervin, M. S**., M. Khatun and R. Yasmeen. 2018. Evaluation of Green Super Rice Genotypes under Drought Stress at Reproductive Phase. Poster presented in the 5th International Rice Congress during 15-17 October 2018, held at Singapore.

11. **Pervin, M. S**., M. Khalequzzaman and R. Yasmeen. 2018. Selection of Donor Parents and Genetic Diversity of Rice Germplasm under Drought Stress at Reproductive Phase for T. AMAN Season. Poster presented in the 5th International Rice Congress during 15-17 October 2018, held at Singapore.

12. Akter, S., Tuhina, K., **Pervin, M. S.** and Mia, M. A. T. 2011. Effect of Transplanting Time on Grain Spotting in Rice. Poster presented in the 28th International Rice Research Conference, Hanoi, Vietnam, 8-11 November, 2011.

13. Aditya, T. L., Kumar, A., Raman, A., Serraj R., Karmakar, B., Islam, T., **Pervin, M. S.,** Islam, R., Ahmed, H. U., Haefele, S. 2010. Recent progress on the development of drought tolerant variety under rainfed lowland rice ecosystem in Bangladesh. Poster presented in the 3rd International Rice Congress. 8-12 Nov 2010, Hanoi, Vietnam. *In:* Proceedings of the 3rdIntl. Rice Congress. pp. 16.

14. Karmakar, B., Sarkar, M. A. R., Haefele, S. M., Aditya, T. L., Ali, M. A., Islam, M. T., **Pervin, M. S.** and Islam, M. R. 2010. Evaluation of rice germplasm under drought prone rainfed environment in northwest Bangladesh. Poster presented in the 3rd International Rice Congress. 8-12 Nov 2010. Hanoi, Vietnam. *In*: Proceedings of the 3rd International Rice Congress. pp.49.

Presented in National Workshop/ Conference/Seminar:

15. Kader, M.A., Hore, T.K., Majumder, R.R., Aditya, T.L. and **Pervin, M. S.** 2015. Research activity of drought tolerant rice variety development 2014-2015. Paper presented in the central workshop of IAPP-BRRI part. 8 June, BRRI, Gazipur, Bangladesh.

16. Aditya, T.L., Karmakar, B., Islam, T., **Pervin, M.S.,** Majumder, R.R., Roy, D., Ahmed, H.U., Sharma, N.R., Nasim, M., Ali, M.A., Islam, S., Ansari, T.H., Kader, M.A., Amelia, H., Haefele, S. and Kumar, A. 2013. Progress on the development of drought tolerant varieties in rainfed lowland rice ecosystem in Bangladesh. Paper presented in the Thursday seminar held on 8 June, BRRI, Gazipur, Bangladesh.

17. Pervin, M.S., M. S. Rahman, H. N. Barman, S. Akter, T. Halder and A. Biswas. 2021. Research progress 2020-2021 & Research program 2021-22 of Plant Physiology Division, BRRI. Paper presented in the Annual Review workshop on Crop Production of NARS Institute: Research progress 2022-2023 & Research program 2023-24 during 20-21 Septamber, 2021, held at Auditorium, BARC, Farmgate, Dhaka.

18. Pervin, M.S., M. S. Rahman, H. N. Barman, S. Akter, T. Halder and A. Biswas. 2022. Research progress 2022-2023 & Research program 2023-24 of Plant Physiology Division, BRRI. Paper presented in the Annual Review workshop on Crop Production of NARS Institute: Research progress 2022-2023 & Research program 2023-24 during 24-25 August,2022, held at Auditorium, BARC, Farmgate, Dhaka.

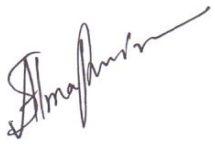
19. Pervin, M.S., M. S. Rahman, H. N. Barman, S. Akter, T. Halder, and S. A. Supta. 2023. Research progress 2022-2023 & Research program 2023-24 of Plant Physiology Division, BRRI. Paper presented in the Annual Review workshop on Crop

Production of NARS Institute: Research progress 2022-2023 & Research program 2023-24 during 27-28 August, 2023 held at Auditorium, BARC, Farmgate, Dhaka.

20. **Pervin, M. S**. 2004. Hybrid rice seed production using GA_3. Paper presented at graduate seminar course on April 22, 2004.

(d) Thesis

1. **Pervin, M. S.** 2017. Screening of Rice Genotypes Based on Morpho-physiological Characters under Drought Stress at Reproductive Phase. *PhD Thesis*. Bangladesh Agricultural University, Mymensingh, Bangladesh.
2. **Pervin, M. S.** 2005. Factors affecting Submergence tolerance of rice (*oryza sativa L.*) seedling. *MS Thesis*. Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh.



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