Curriculum vitae of Shahanaz Sultana

PhD in Genetic Engineering & Molecular Biology
Chief Scientific Officer and Head
Biotechnology Division
Bangladesh Rice Research Institute (BRRI)
Gazipur, Bangladesh
E-mail: shahanaz107@yahoo.com

PERSONAL DETAILS:

Full Name : Shahanaz Sultana
Nationality : Bangladeshi
Date of Birth : 30.08.1971
Place of Birth : Tangail, Bangladesh
Marital Status : Married
Sex : Female

Correspondence Address:
Dr. Shahanaz Sultana
Chief Scientific Officer and Head
Biotechnology Division
Bangladesh Rice Research Institute (BRRI)
Gazipur-1701, Bangladesh

FIELF OF SPECIALIZATION: Biotechnology/Genetic Engineering

ACADEMIC DETAILS:

Doctor of Philosophy (Ph. D)	2010	Universiti Putra Malaysia (UPM), Malaysia	**Genetic Engineering and Molecular Biology** **Dissertation:** Towards the Development of Salt Tolerant Rice Varieties by Overexpressing cDNAs from a Mangrove Plant A*acanthus ebracteatus vahl*
Masters of Science	1998	Bangladesh Agricultural University, Bangladesh	**Genetics and Plant Breeding** **Thesis:** Study of Genotypic Variation for Yield and Phosphorus Efficiency of Wheat under Water and Phosphorus stress
Bachelor of Science	1992	Bangladesh Agricultural University, Bangladesh	**Agriculture**
Higher Secondary Certificate (HSC)	1988	Rifles Public School and College, Dhaka, Bangladesh	Field of Study : **Science** (Physics, Chemistry, Botany, Zoology)
Secondary School Certificate (SSC)	1986	Rifles Public School and College, Dhaka, Bangladesh	Field of Study : **Science**

EMPLOYMENT HISTORY:

Position : **Chief Scientific Officer and Head**
Organization : Bangladesh Rice Research Institute
Address : Gazipur-1701, Bangladesh.
Web site : www.brri.org
Period : 2nd February 2026 to date

Key responsibilities:

- Manage divisional research and budget
- Research program development, execution and scientific report writing.
- Guide and support to the junior scientist/ laboratory stuff.
- Conduct technical training for junior scientist /laboratory stuff.
- Contribute, and where necessary lead relevant scientific meetings /seminar /workshop.
- Undertake any other duties relevant to the program of research.

Position : **Chief Scientific Officer (CC) and Head**
Organization : Bangladesh Rice Research Institute
Address : Gazipur-1701, Bangladesh.
Web site : www.brri.org
Period : 1st July 2024 to 1st February 2026
Key responsibilities:

- Manage divisional research and budget
- Research program development, execution and scientific report writing.
- Guide and support to the junior scientist/ laboratory stuff.
- Conduct technical training for junior scientist /laboratory stuff.
- Contribute, and where necessary lead relevant scientific meetings /seminar /workshop.
- Undertake any other duties relevant to the program of research.

Position : **Principle Scientific Officer**
Organization : Bangladesh Rice Research Institute
Address : Gazipur-1701, Bangladesh.
Web site : www.brri.org
Period : January 2019 to 30 June 2024
Key responsibilities:

- Research program development, execution and scientific report writing.
- Guide and support to the junior scientist/ laboratory stuff.
- Conduct technical training for junior scientist /laboratory stuff.
- Contribute, and where necessary lead relevant scientific meetings /seminar /workshop.
- Undertake any other duties relevant to the program of research.

Position : **Program Director**
Organization : Bangladesh Rice Research Institute
Address : Gazipur-1701, Bangladesh.
Web site : www. brri.org
Period : May 2014 to June 2016

Key responsibilities:

- Project Management and report writing.
- Project evaluation and monitoring.
- Financial/budget management, while maintaining compliance with all applicable requirements and regulations

Position : **Project Director**
Organization : Bangladesh Rice Research Institute
Address : Gazipur-1701, Bangladesh.
Web site : www. brri.org
Period : May 2011 to June 2013

Key responsibilities:

- Project Management and report writing.
- Project evaluation and monitoring.
- Financial/budget management, while maintaining compliance with all applicable requirements and regulations

Position : **Senior Scientific Officer**
Organization : Bangladesh Rice Research Institute
Address : Gazipur-1701, Bangladesh.
Web site : www.brri.org
Period : July 2006 to 2019
Key responsibilities:

- Research program development, execution and scientific report writing.
- Guide and support to the junior scientist/ laboratory stuff.

- Conduct technical training for junior scientist /laboratory stuff.
- Supervise the Master Degree student's research project.
- Contribute, and where necessary lead relevant scientific meetings /seminar /workshop.
- Undertake any other duties relevant to the program of research.

Position : **Scientific Officer**
Organization : Bangladesh Rice Research Institute
Address : Gazipur-1701, Bangladesh.
Web site : www. brri.org
Period : August 1998 to June 2006
Key responsibilities:

- Research program execution and scientific report writing.
- Contribute, and where necessary lead relevant scientific meetings /seminar /workshop.
- Undertake any other duties relevant to the program of research.

IN –SERVICS WORKSHOP AND TRAINING COURSES ATTENDED:

Name of the Course	Institution	Year
Capacity building component on Development of Salt II technologies in rice	Arcadia BioSciences, **USA**	2014
Manpower Development Program on Real Time PCR (7500 Fast)	Life Technologies Holdings Pte Ltd, **Singapore**	2013
Seed Industry Program(SIP)	Hyderabad, **India**	2011
Genomics and Bioinformatics for Agricultural Applications	Universiti Putra Malaysia, **Malaysia**	2010
Molecular Methods of Breeding	Kesseasart University, **Thailand**	2004
Training on Marker Aided Selection	International Rice Research Institute (IRRI), **Philippine**	2002
Foundation training	Bangladesh academy for Rural Development (BARD), **Bangladesh**	2000
Training on Biotechnology	University of Western Sydney, **Australia**	1999
Rice Production, Office Management and Communication	Bangladesh Rice Research Institute (BRRI), **Bangladesh**	1998

Technology Developed as an active researcher.

1. BRRI dhan86 - a high yielding protein enriched (10.1%) Boro rice variety,
2. BRRI dhan87 - a high yielding T Aman rice variety,
3. BRRI dhan89 - a high yielding Boro rice variety,
4. BRRI dhan92 - a high yielding Boro rice variety,
5. BRRI dhan96 - a high yielding protein enriched (10.8%) Boro rice variety,
6. BRRI dhan103 - a high yielding T Aman rice variety
7. BRRI dhan115 - a high yielding Vit E and antioxidant enriched black Boro rice variety

AWARDS Received:

1	Awarded " **Ekushey Padak**" 2022 for the development of high yielding rice variety (Second Highest Civilian award from Bangladesh Government)
2	Awarded " **Suddhachar Puroskar"** 2018 given by Bangladesh Rice Research Institute
3	**Champion**, in the poster presentation at Square-ACI International Conference on Biotechnology in Health and Agriculture 2017 organized by Global network of Bangladeshi Biotechnologist (GNOBB).
4	Awarded **Gold medal** in "Invention, Research and Innovation Exhibition 2012 (PRPI)'' for Research project entitled "Overexpression of Monodehydroascorbate Reductase from a Mangrove Plant (*AeMDHAR*) Confers Salt Tolerance in Rice". University Putra Malaysia, Malaysia.

5	**Awarded "Post Graduate Fellowship"** from "Organization for Women in Science for the Developing World (OWSDW). Formerly Third World Organization for Women in Science (TWOWS)" Trieste – Italy, to pursue Ph D degree in Universiti Putra Malaysia, Malaysia
6	Awarded **"National Science and Technology Fellowship"** to pursue MS degree in Bangladesh Agricultural University, Bangladesh.

COMPUTER LITERACY

Proficient in Microsoft Word, Excel, XP and Power Point and have experience of using Adobe photoshop. I have knowledge on various bioinformatics program also.

RESEARCH INTEREST

Bioinformatics, functional genomics and rice variety improvement using different biotechnological tools.

LIST OF PUBLICATIONS

No.	Journal
1.	Shampa Das Joya, Md. Anwar Hossen, Md. Kamruzzaman, Fariha Akhter, MA Qayum, **Shahanaz Sultana** (2025), Mat Type Seedlings Properties Analysis of High Yielding Aman Rice Varieties for Mechanical Transplanting. Int. J. Adv. Multidisc. Res. Stud. 5(4):17-22. https://doi.org/10.62225/2583049X.2025.5.4.4538
2	M S Rahman, J Ferdaous, S Jafrin, M E Hoque, M A Hossain, **S Sultana** (2023) Optimizing Hormonal Effects and Incubation Periods on *In Vitro* Regeneration in High-Yielding Indica Rice. Bangladesh Rice J.27(2): 17-24, 2023, doi.org/10.3329/brj.v27i2.77695
3	Razia. S, Rubel, M. H., **Sultana, S**., Ferdous, J. and Nasiruddin, K. M. (2025). Evaluation of rice genotypes using different concentration of NaCl at different growth stages. Journal of Bioscience and Agriculture Research, 34(02), 2746-2757. Crossref: https://doi.org/10.18801/jbar.340225.329
4	Md. Arafat Hossain, Jannatul Ferdous, Ripon Kumar Roy, S M Hisam Al Rabbi, **Shahanaz Sultana,** Enamul Haque (2024) Assessing the Genetic Variation of Swarna rice (*Oryza sativa* L.) Cultivars through SSR marker. Current Applied Science and Technology, ISSN: 2586-9396, https://doi.org/10.55003/cast.2024.258834
5	Shompa Das Joya, **Shahanaz Sultana**, J Ferdous1, M A Qayum , Hoque, M.E. (2020). Response to Callus Induction and Regeneration of Newly Released BRRI Rice Varieties. Bangladesh Rice J. 23 (2) : 17-25, 2019, doi.org/10.3329/brj.v23i2.48244
6	Roy, R.K., Majumder, R.R., **Shahanaz Sultana**, Hoque, M.E. and Ali, M.S. (2015). Genetic Variability, Correlation and Path Coefficient Analysis for Yield and Yield Components in Transplanted Aman Rice (*Oryza sativa* L.). *Bangladesh Journal of Botany,*0253-5416,44(4):pp529-535
7	Shakil, M S K., **Sultana, S**., Hasan, M.M., Hossain, M.M., Ali M.S.. and Prodhan S.H. (2015). SSR Marker Based Genetic Diversity Analysis of Modern Rice Varieties and Coa7stal Landraces in Bangladesh. *Indian Journal of Biotechnology***.** 0975-0967**.** Vol 14: pp33-4
8	**Shahanaz Sultana**, S.-E. Ooi, C.-L. Ho, S. Napis, Dolezal K. and Namasivayam P. (2014). Molecular cloning of a putative Acanthus ebracteatus- 9-cis epoxycarotenoid deoxygenase 3(AeNCED) and its overexpression in rice. *Journal of Crop Science and Biotechnology,* 14975-9479,v4 : pp239 – 246
9	**Shahanaz Sultana**, Chai-Ling Ho, Parameswari Namasivayam and Suhaimi Napis (2014) Genotypic differences in response to the effect of hygromycin on calli and germination of rice. *Bangladesh Rice Journal*. 1025-7330,18(1&1):pp38-43
10	A.K.M. Mohiuddin, Nilufer Hye Karim and **Shahanaz Sultana** Development of Improved Double Haploid through Anther culture of Indica Rice. (2014) *Annals of Biological Research*. 0976-1233. v 5 (10): pp6-13
11	Israt Nadia, A.K.M. Mohiuddin, **Shahanaz Sultana** and Jannatul Ferdous. (2014) Diversity analysis of indica rice accessions (*Oryza sativa* L.) using morphological and SSR markers. *Annals of Biological Research*. 0976-1233. v5(11):pp 20-31
12	Morshed, M.M., Rosli B. M., Samsuri Abd. W., **Sultana, S.** and Dzolkhifli, O. **(2012).** Determination of paraquat emitted in the air after its application during the rice growing seasons in Sungai Besar, Malaysia. *Fresenius Environmental Bulletin* 1018-4619, v 21(1): pp181 –190.
13	**Shahanaz Sultana,** Choy-yuen Khew, M. M. Morshed, Parameswari Namasivayam, Suhaimi Napis and Chai-Ling Ho. **(2012).** Overexpression of monodehydroascorbate reductase from a mangrove plant (AeMDHAR) confers salt tolerance on rice. *Journal of Plant Physiology* (ISSN- 0176-1617), v.169: pp.311-318.
14	Mohiuddin, AK.M., **Shahanaz Sultana**, Ferdous, J. and Karim, N.H. (2011). Recovery of green plantlets

	from albino shoot primordia derived from anther culture of indica rice (*Oryza sativus* L.). *Tropical Life Sciences Research.* 2180-4249 *, v. 22(1):pp1-12*
15	Mohiuddin, A.K.M., **Shahanaz Sultana**, Ferdous, J. and Karim, N.H. (2006). Increased Regeneration Efficiency in Seed Derived Callus of Rice (*Oryza sativa* L.). *Plant Tissue Culture and Biotechnology (ISSN 1817-3721 (Print, 1818-8745(online), v.* 16(1): pp 45-52.
16	**Sultana S.,** Islam, M. A., Islam, M. R., Morshed, M. M**.** and Islam, M. R. **(2002).** Correlation and Regression Analysis for Heading Date, Yield and Yield Contributing Characters in Wheat under Water and Phosphorus Stress. *Pakistan Journal of Biological Sciences* (ISSN-1028-8880), v. 5(2): pp.149-151.
17	Mohiuddin, A.K.M., **Shahanaz Sultana,** Ferdous, J. and Karim, N.H. (2010). Culturability Behaviour in Indica and Japonica Rice Varieties. *Bangladesh Rice Journal,* 1025-7330. *v. 15(1):pp39-47*
18	MS Ali, MA Salam, M.E Hoque, **Shahanaz Sultana**, MS Kabir, M.S Islam, H.U Ahmed, S Khatun and BAA Mustafi **(**2006**).** Breeding and adoption of Boro Rice varieties in Bangladesh. *International Journal of Sustainable Agricultural Technology.* 1815-1272*, v.* 2(4): pp61-68.
19	MS Ali, M.E Hoque, **Shahanaz Sultana**, S Islam, S. Kiyosawa, D Purba, M Kawase and K. Okuno (2005). Gene analysis for Field resistant to Rice (*Oryza sativa* L) blast. *Bangladesh Journal of Plant Breeding and Genetics.* 1026-3071, v. 16(2): pp9-19
20	Ferdous J, ME Hoque, MS Ali, AKMR Baksha and **Shahanaz Sultana**. (2005). Effect of NaCl on Callus Induction and Subsequent Regeneration in Some Fine Grain and Aromatic Rice Vareities. *Molecular Biology and Biotechnol Journal*, 1993-1967. v.3(1&2): pp19-22
21	**Shahanaz Sultana**, M A. Islam and M. R. Islam. (2001). Genotypic variation for heading date, biomass and its components of wheat under water and phosphorus stress. *Bangladesh Journal of Training and Development*, v.14(1 & 2):pp205-212
22	**Shahanaz Sultana**, M A. Islam and M. R. Islam. (2000). Genotypic Variation for Phosphorus Efficiency Ratio and Phosphorus Uptake of Wheat (*Triticum aestivum* L) under Phosphorus and Water Stress. *Bangladesh Journal of Plant Breeding and Genetics.* 1026-307, v. 13(2):pp35-40
23	**Shahanaz Sultana**, M A. Islam and M. R. Islam.2000. Genotypic Variation for Spike Characters and Yield Component of Wheat under Phosphorus and Water Stress. *Progressive Agriculture*. 2310-2950, v.11(1and 2):pp5-8
24	M. R. Islam, M.A.R. Bhuiyan, M. F. Islam, **Shahanaz Sultana** and B. Prased. (1999). Effect of Salt on Germination and Seedling Growth in Rapeseed and Mustard Varieties. *Journal of Agrilcultural Education and Technology*, v. 2(2):pp93-96

Book

No.	**Book**
1.	M.S. Ali, M.E Hoque, **S. Sultana**, M. Z. Hossain, S.M.H.A Rabbi, R.K. Roy, N. Haque, H. Hossain and M. M. Islam (2013). An Integrated Approach to Characterize BRRI Released Rice Varieties. Bangladesh rice Research Institute. Bangladesh
2.	উম্মে আমিনুন নাহার, আদিবা আফরিন রিম, তানজিনা ইসলাম, তাজবীন তাবারা, মসউদ ইকবাল, মাসুদা আক্তার, সাহানাজ সুলতানা এবং আমিনুল ইসলাম (২০২২) মাটির স্বাস্থ্য কথা - নয়টি কৃষি পরিবেশ অঞ্চল কৃষি মাটির ভৌত, রাসায়নিক ও জৈবিক গুণাবলী. প্রকাশনা নং- ৩৫৩, বাংলাদেশ ধান গবেষণা ইনস্টিটিউট (ব্রি), গাজীপুর-১৭০১

iii. Abstract:	
International	
1	**Shahanaz Sultana,** Jannatul Ferdous, Nilufar Yasmin Shaikh, S M Hisham Al-Rabbi, Ripon Kumar Roy, Md Arafat Hossain, Shampa Das Joya, Md Sentu Rahman and Md Enamul Hoque. Biotechnological Research Advancement in BRRI for Sustainable Rice Production (2023). International Symposium for 50 years Glory and Success of Bangladesh Rice Research Institute, BRRI. Held on 24 February, 2023 at BRRI.p78
2	Jannatul Ferdous, S M Hisam Al Rabbi, Md. Enamul Hoque, **Shahanaz Sultana** and Ruhul Quddus. Validation of a simple functional marker for fragrance in non-Basmati fragrant rice (2023). International Symposium for 50 years Glory and Success of Bangladesh Rice Research Institute, BRRI. Held on 24 February, 2023 at BRRI. p77
3	S M H A Rabbi, M E Hoque, **S Sultana**, M Khanam and S Rahman. C4 Rice Research: Shaping our roadmap and its current position (2023). International Symposium for 50 years Glory and Success of Bangladesh Rice Research Institute, BRRI. Held on 24 February, 2023 at BRRI.p49
4	Md Shahjahan Kabir and **Shahanaz Sultana** (2023). Present status of the biotechnological advancement in Bangladesh. 2nd International Forum for Agri-Biotechnology with the theme of "Biotechnology for food security and climate resilience". Conference 2022 held on 04 – 05 July 2023 in Astana, the Republic of Kazakhstan.
5	Nilufer Hye Karim and **Shahanaz Sultana**. The booming rice production in Bangladesh: Trade potentials of rice from Bangladesh. India's Act East Policy and Indo-Pacific Developments: Problems and Prospects for North -East India". Conference 2022 held on 2-3 June 2022 in the Guwahati, Assam, India.

6	**Shahanaz Sultana,** Shampa Das Joya, Jannatul Ferdous, M Enamul Haque. 2019. Introgression of mangrove *AeMDHAR* in rice for the improvement of salt tolerance. In: 7th Annual South Asia Biosafety Conference, September 14-16, 2019 at *The Westin, Dhaka*, p69-70
7	**Shahanaz Sultana,** Jannatul Ferdous and Md Enamul Hoque. 2018. Isolation and Construct Preparation of a Vacuolar H^+-ATPase from *Porteresia coarctata* for the Development of Salt Tolerant Rice. South Asian Biosafety Conference. p69
8	**Sultana S,** Ferdous J, Ryhan M U and Hoque M E (2018). Isolation and cloning of a vacuolar *H^+-ATPase* from *Porteresia coarctata* for the improvement of salt tolerance in rice. In: International Seminar cum Workshop on "Challenging Research by Women in STEM" 10 November, Dhaka, Bangladesh
9	**S. Sultana.,** Ferdous, J. Roy R.K, R., Dipti, S.S, and M.E. Hoque , 2016. Development and Performance of Doubled Haploids of Indica Rice. In: 5th Fifth General Assembly and International Conference, May 16-19, 2016, Kuwait
10	**Shahanaz Sultana**, Ho Chai Ling, Parameswari A/P Namasivayam and Suhaimi B Napis (2009). Over-expression of Monodehydroascorbate Reductase (AcMDHAR) from a Mangrove Plant in Rice for Salt Tolerance. Presented in Plant Biotechnology Post Graduate Symposium : p 7
11	**Shahanaz Sultana**, Ho Chai Ling, Parameswari A/P Namasivayam and Suhaimi B Napis. (2008) Over-expression of Monodehydroascorbate Reductase (MDHAR) from a Mangrove Plant in Rice for Salt Tolerance. Presented in 17th scientific meeting of the Malaysian Society for Molecular Biology and Biotechnology (MSMBB): p34 -35
12	**Shahanaz Sultana**, Ho Chai Ling, Parameswari A/P Namasivayam Suhaimi B Napis, Ruslan Abdullah (2007) Development of Salt Tolerant Rice by Overexpressing Genes from a Mangrove Plant in Rice. Presented in Asia Pacific Conference on Plant Tissue Culture and Agribiotechnology (APaCPA) held in, Malaysia: p78
13	Md Enamul Hoque, Jannatul Ferdous, **Shahanaz Sultana,** Ripon Kumar Roy and Md Abdul Latif (2017) Moleculer marker-assisted breeding for developing bacterial blight resistant rice variety. In: 3rd GNOBB, Square-ACI ICBHA conference, December 29-30th 2017 at the Nabab Nawab Ali Senate Bhaban at Dhaka University, Bangladesh. p39
14	M.E. Hoque, Ferdous, J., **S. Sultana** and Roy R.K, R., 2017. Pyramiding bacterial blight resistant genes into elite rice cultivar through marker-assisted selection. In: 8th International Plant Tissue Culture and Biotechnology Conference, December 3-5, 2016, Dhaka, Bangladesh. p66
15	M Monirul Islam, **Shahanaz Sultana,** M Enamul Hoque and M Shamsher Ali (2013). Pyramiding Genes for Resistance to Bacterial Blight in Rice. International Conference on Biotechnology, Committee of Action for Research, Extension and Services (CARES). Dhaka Bangladesh: p 51
16	Hoque, M.E ; Islam M. M. ; **Sultana S**. ; Ferdous, J. ; Ali M.S. 2013. Genetic diversity of some Bangladeshi Aus rice genotypes. In abstract book of 7th international rice genetics symposium. 5-8 November 2013. Dusit Thani Hotel, Manila , Philippines, p 369.
17	M.M. Islam, M.E Hoque, S.M.H.A Rabbi, H. Hossain, RK Ray, **Shahanaz Sultana** and MS Ali (2010). Diversity Analysis of BRRI Hybrid Genotypes and their Parents. Presented in 6th International Plant Tissue Culture and Biotechnology Conference. Dhaka : p 40
18	Ferdous J, ME Hoque, MS Ali, AKMR Baksha and **Shahanaz Sultana**. (2008). Effect of NaCl on Callus Induction and Subsequent Regeneration in Some Fine Grain and Aromatic Rice Vareities. International Biotechnology Conference, Bangladesh Association for Biotechnology and Genetic Engineeering (BABGE). Dhaka Bangladesh: p 10
National	
1	Md. Qamrul Islam, Md. Nazmul Hasan, **Shahanaz Sultana,** Md. Enamul Hoque, Jannatul Ferdous, Hammadul Hoque and Shamsul H. Prodhan (2022).Molecular cloning and expression vector construction with OsSTL1 and TaWRKY2 genes to induce salt and drought tolerance in rice (8). Annual Plant Tissue Culture and Biotechnology Conference held on May 28, 2022 at Department of Botany, University of Dhaka.
2	Mabia Zaman, **Shahanaz Sultana,** Jannatul Ferdous, M Enamul Hoque and A.K.M. Mohiuddin (2021) Molecular Studies of *DREB* Gene in Rice under Stress Conditions. In: Annual Plant Tissue Culture and Biotechnology Conference, 6 March 2021, Dhaka, Bangladesh. p11.
3	Shampa Das Joya, **Shahanaz Sultana**, Jannatul Ferdous, M. Enamul Hoque (2021) Development of Aus Rice variety through Somaclonal variation. In: Annual Plant Tissue Culture and Biotechnology Conference, 6 March 2021, Dhaka, Bangladesh. p23
4	Shampa Das Joya, **Shahanaz Sultana**, Jannatul Ferdous, Md. Abdul Qayum and M Enamul Hoque. Varietal response to callus induction and regeneration of newly released BRRI rice varieties. 9th International Plant Tissue Culture and Biotechnology Conference 2019 held on February 8-10, 2020 at the Department of Botany, University of Dhaka
5	M. Enamul Hoque, **Shahanaz Sultana,** Jannatul Ferdous, NilufarYasmin, Shaikh S.M. Hisam AI Rabbi, Ripon Kumar Roy, M. Arafat Hossain and Shampa Das Joya. 2019. Biotechnology Division of BRRI: A Centre of Excellence for Rice Biotechnological Research in Bangladesh. In: Annual Plant Tissue Culture & Biotechnology Conference. 31 August, 2019 at the Department of Botany, University of Dhaka.p7
6	Sultana Razia, **Shahanaz Sultana,** K.M. Nasiruddin, Md. Mahmud Al Noor Screening of Ten rice (*Oryza*

	sativa) genotypes under salt stress and SSR markers (2019). In: 11th Biennial Conference of Plant Breeding and Genetics Society of Bangladesh. P 76. ACI Centre, Tejgaon, Dhaka, 25-26 October 2019.
7	**S Sultana**, R K Roy and M E Hoque. 2014. Development of transgenic salt tolerant rice by over expressing *GlyI and GlyII.* Bangladesh Rice Research Abstract 2014. P19-20
8	Md Arafat Hossain, Jannatul Ferdous, **Shahanaz Sultana,** Ripon Kumar Roy and Md Enamul Hoque (2017) Genetic diversity of Swarna rice genotypes using molecular marker. In: 10th Biennial Plant Breeding and Genetics Society of Bangladesh Conference, January 7-8, 2017, KIB and BARC Dhaka, Bangladesh. p68
9	N Y Shaikh, R K Roy, **S Sultana,** J Ferdous and ME Hoque. (2014) Anther culture for development of modern rice variety. p17.
10	R K Roy, J Ferdous, **S Sultana,** N Y Shaikh, S S Dipti and M E Hoque. 2014. Preliminary yield trial of anther culture derived doubled haploid lines from the cross between Niamat and BR802-78-2-1-1. Bangladesh Rice Research Abstract 2014. p18.
11	J Ferdous, M E Hoque, K M Iftekharuddaula and S Sultana. 2014. Introgression of submergence tolerance SUB1 QTL into BRRI dhan44 through marker assisted backcross breeding. p19.
12	Roy R.K, R.R. Majumder, **S. Sultana,** M.E. Hoque and M.S. Ali. 2014. Genetic variability, correlataion and path coefficient analysis for yield and yield components in transplanted Aman Rice (*Oryza sativa* L.). In: 9th Biennial Conference of Plant Breeding and Genetics Society of Bangladesh.. KIB and BARC, Dhaka: p 76
13	Karim NH, Mohiuddin AKM and **Shahanaz Sultana** (2002). Development of improved dihaploids through anther Culture of Rice. Presented in Annual Plant Tissue Culture Conference held in BRRI : p 17
14	Karim NH, Mohiuddin AKM and **Shahanaz Sultana** (2001). Studies on increased efficiency of regeneration from seed derived callus of Rice (*Oryza sativa* L.). Presented in Annual Plant Tissue Culture Conference held in Botany Department of Dhaka University: p 107
No	**Leaflet (05)**
1	ব্রি ধান৮৬
2	ব্রি ধান৮৭
3	ব্রি ধান৮৯
4	ব্রি ধান৯২
5	ব্রি ধান১০৩

MS THESIS SUPERVISED/CO-SUPERVISED:

- Ishrat Nadia, **Shahanaz Sultana** and Mohiuddin AKM (2011). Diversity Analysis of Rice Varieties using Morphological and SSR markers. A thesis submitted to the Department of Biotechnology and Genetic Engineering Mawlana Bhahsani Science and Technology University, For partial fulfilment of MS in Biotechnology

- Sultana Razia, **Shahanaz Sultana** and KM Nasiruddin (2012**)**. Evaluation of Salt tolerance through marker assisted selection and phenotypic screening in rice. A thesis submitted to the Department of Biotechnology, Bangladesh Agriculture University, Mymensinhg For partial fulfilment of MS in Biotechnology

- Mabia Zaman, **Shahanaz Sultana** and Mohiuddin AKM (2020). Molecular Studies of *DREB* Gene in Rice under Stress Conditions. This thesis report is submitted to Mawlana Bhashani Science and Technology University in partial fulfilment of the requirements for the Degree of Master of Science (M.S.) in Biotechnology and Genetic Engineering.

PROFESSIONAL MEMBERSHIP:

- Plant Breeding and Genetical Society, Bangladesh
- Profesional Organisation of Women in Extension and Research (POWER), Bangladesh.
- Krishibid (Agriculturist) Institution, Bangladesh
- Bangladesh Association of Plant Tissue Culture and Biotechnology
- Organization for Women in Science and Development