

Name of Personnel: DR. MIRZA MOFAZZAL**ISLAM**

Current Address: Sha-97/A, Officer's Tower (Flat#3C), Uttar Badda, Dhaka-1212
 Email: mirza_islam@yahoo.com; mirzamibina@gmail.com; Mirza.Islam@fao.org
 Cell No: +88-01716280720
 Nationality: Bangladeshi
 Language Proficiency: Proficient in Bengali and English
 Birthday: 20/05/1965

Education/Qualifications:

Sl. No.	Name of the Educational Institute	Date Attended	Name of the Degrees/Qualification
01	Balla Coronation High School	1978-1980	Secondary School Certificate
02	Notre Dame College	1981-1983	Higher Secondary Certificate
03	Bangladesh Agricultural University	1983-1987	Bachelor of Science in Agriculture (Hons.)
04	Bangladesh Agricultural University	1988-1990	Master of Science in Agriculture
05	University of the Philippines Los Baños	2001-2004	Doctor of Philosophy
06	Cornell University	2013-2014	Post-Doctoral

Professional Certifications:

Sl. No.	Name of the Professional Institute	Date Attended	Name of the Certificate
01.	IRRI, Philippines: Screening IRRI/Bangladeshi Rices and Mutants for Salinity Tolerance and DNA Fingerprinting	1 November 2000- 30 April 2001	Fellowship
02.	Chinese Academy of Agricultural Sciences (CAAS), Beijing, China: Nuclear Techniques in Agricultural Research	6-17 May 2013	Fellowship
03.	BARD, Cumilla: Foundation Training Course (administrative and financial management, service rules, project preparation and management, statistical analysis, research methodology, writing and reporting skills, computer skills, driving skills etc.)	17 October 1999- 30 January 2000	Foundation Training
04.	IRRI, Philippines: Introduction to Statistical Package for Social Sciences (SPSS)	7-15 December 2000	Training
05.	IRRI, Philippines: Introduction to The SAS System Version 8 for Windows	2-6 June 2003	Training
06.	IRRI, Philippines: Intellectual Property	6 & 8 May	Training

	Code, the Regulations and Enforcement	2003	
07.	BARC, Dhaka: Project Cycle Management	2-3 November 2014	Training

Employment Record/Experience:

Position with affiliation	Duration	Responsibilities
National Consultant (Project Development), FAO Bangladesh	03-12-2024 -	Supporting the FAO engagement with Government (MoEFCC, MoA, MoFLS, ERD etc.) for preparing and resource mobilization in climate and environment finance like, GCF, GEF projects, supporting the FAO engagement with institutions of Ministry of Agriculture, Government of Bangladesh involved in the World Bank and IFAD funded "Program on Agricultural and Rural Transformation, Nutrition, Entrepreneurship, and Resilience in Bangladesh (PARTNER)" project to clarify their needs and expectations to inform the two Unilateral Trust Fund (UTF) using the agreed World Bank/Government and FAO format, providing inputs in the two draft UTF proposals based on needs activities, identified by government departments for FAO technical assistance, organizing and participating in stakeholder write shops and other relevant activities to be held in coordination with PARTNER implementing agencies, providing technical guidance on Crop Genetics and Plant Breeding for climate resilient rice and vegetable production in Bangladesh, identify opportunities for new proposal ideas and concept notes related to climate resilient rice and vegetable production in Bangladesh and also perform other duties required.
Director General (Grade-1), BINA	20-03-2020 to 19-05-2024	Research and administrative management, research and policy planning, agricultural policies, execution of research projects, supervision of scientific & administrative staff, budget management and resource mobilization, communication and publication, human resource development, monitoring and evaluation, national and international linkages, coordination and partnerships with different departments/ institutes/ ministries/ NGOs/private organizations, developmental partners/ international donors etc.
Director (Administration & Support Service), BINA	04-02-2020 to 19-03-2020	Assist Director General for implementing administrative and financial management, policy planning, monitoring and evaluation, human resource development, partnerships, communication and publication, research management & planning, finance and accounts, stores,

		procurements and all other support services
Chief Scientific Officer and Head, Plant Breeding Division, BINA	16-08-2015 to 03-02-2020	Develop and supervise divisional research, supervision of scientists and staff, crop improvement and seed production, plant genetic resources, conducting field and lab experiments, project planning, management and implementation, monitoring and evaluation, supervision of MS and PhD students, partnerships, communication and publication, technology dissemination, farmers advisory service, conducting training program, breeder's seed production policy planning, prepare annual research programme and results presentations etc.

Foreign Training

Types of Training	Date	Course/ Title	Organization/ Country
Long term	1-30 March 1999	Varietal Improvement Program of Chickpea	ICRISAT, India
	1 November 2000- 30 April 2001	Screening IRRI/Bangladeshi Rices and Mutants for Salinity Tolerance and DNA Fingerprinting	IRRI, Philippines
	23 January 2004	Distinguished and dedicated service for one year as a Vice-President of Association for Fellows, Scholars, Trainees, Residents at IRRI (AFSTRI) makes leadership and innovative ideas	IRRI, Philippines
	8 September 2004	Mapping salinity tolerance genes in rice (<i>Oryza sativa</i> L.) at reproductive stage (PhD research during 9 June 2001 to 8 Sept 2004 at IRRI, Philippines)	IRRI, Philippines
	6-17 May 2013	Nuclear Techniques in Agricultural Research	Chinese Academy of Agricultural Sciences (CAAS), Beijing, China
Short term	15-29 November 2000	Scientific Writing Course for IRRI Scientists	IRRI, Philippines
	7-15 December 2000	Introduction to Statistical Package for Social Sciences (SPSS)	IRRI, Philippines
	5-9 February 2001	International Rice Information System (IRIS)	IRRI, Philippines
	19 February – 16 March 2001	Experimental Design and Data Analysis (EDDA-on line)	IRRI, Philippines
	7-11 April	Rice Breeding for Better Nutrition	IRRI, Philippines

	2003		
	30 April 2003	Rice Knowledge Bank	IRRI, Philippines
	31 April - 4 May 2003	Introduction to IRRISTAT	IRRI, Philippines
	6 & 8 May 2003	Intellectual Property Code, the Regulations and Enforcement	IRRI, Philippines
	2-6 June 2003	Introduction to The SAS System Version 8 for Windows	IRRI, Philippines
	5 December 2003	Leadership Certificate	International Students' Association, University Of The Philippines Los Baños (UPLB), Philippines
	13 Feb & 24 Feb 2004	Basic Microsoft Excel 2000 and PowerPoint 2000	IRRI, Philippines
	15 Nov - 6 Dec 2011	Hybrid Rice for Bangladesh	Yuan Longping High-tech Agriculture Co. Ltd. Centre, Changsha, Hunan, China
	25-29 July 2022	International Symposium on Managing Land and Water for Climate-Smart Agriculture	Joint FAO/IAEA Centre, IAEA, Vienna, Austria

Some Other Activities Link:

Field(s) of Specialization: Project Development, Climate Smart Agriculture, Natural Resources Management, Research and Project Management

Number of technologies (crop varieties) developed: 24 (Twenty-four) high yielding and climate resilient crop varieties

Thesis/Dissertation: 03

1. **M.M. Islam.** 2014. Genome-wide Association Mapping for Salt Tolerance in Rice. Post-Doctoral Research. Cornell University, NY, USA.
2. **M.M. Islam.** 2004. Mapping salinity tolerance genes in rice (*Oryza sativa* L.) at reproductive stage. Ph.D. Dissertation, University of the Philippines Los Baños, College 4031, Laguna. 150 p.
3. **M.M. Islam.** 1993. Genetic studies on leaf area index, dry matter production, yield and yield components in irrigated wheat. M.Sc. (Ag.) Thesis. Bangladesh Agricultural University, Mymensingh. 81p.

Fellowship Obtained:

- Six months Fellowship of IAEA (RAS/5/037) on ‘Screening IRRI/Bangladeshi Rices and Mutants for Salinity Tolerance and DNA Fingerprinting’ during November 1, 2000 – April 30, 2001, at IRRI, Philippines.
- One month Fellowship on ‘Varietal Improvement Program of Chickpea’ sponsored by ICRISAT in March 1999, Hyderabad, India.

Award/Recognition Received: 8 (Eight)

Invited Lecturer: 35

Chief Editor: Bangladesh Journal of Nuclear Agriculture (BJNA) (2020-2024)

Journal reviewer:

- Nature
- PLOS
- International Journal of Plant and Soil Science
- Taylor & Francis
- Frontiers in Plant Science
- Crop Breeding and Applied Biotechnology
- International J. of Food Science and Agriculture
- Bangladesh Journal of Nuclear Agriculture (BJNA)
- Journal of Global Ecology and Environment
- Rice Science
- Journal of Genetics

Supervision of MS and PhD students : 98

- MS as Supervisor/Co-supervisor: 81
- PhD as Supervisor/Co-supervisor: 17

Expert/Consultant of Joint FAO/IAEA Centre of Nuclear Techniques in Food and Agriculture, IAEA of the United Nations:

- Participated in Expert Mission of FAO-IAEA as Trainer for “Basic mutation breeding techniques for crop improvement” under the Project SRL/5/045, Establishing a National Centre for Nuclear Agriculture, Peradeniya, Sri Lanka during 20-24 July, 2015.
- Participated in the Expert mission under FAO-IAEA Project RAS5073 as an Expert in “Plant breeding and rice variety improvement” from 16-20 May, 2016 in Mandalay, Myanmar (Requisition No: TAL-TCAP20160418-004).
- Participated in Expert Mission of FAO-IAEA as a Resource Person for “Phenotyping and genotyping mutants for abiotic stress” under the Project IAEA SLR TCP/5/045 from 18-22 July, 2016 in Rice

Research and Development Institute, Bathalogoda, Sri Lanka (Requisition No: TAL-TCAP20160530-001).

- iv) Participated in Expert Mission of FAO-IAEA as an Expert for “Improving crops by using mutation induction and biotechnology through a farmer participatory approach” under the Project IAEA RAF5076 from 15-19 October 2018 in Njala University, Sierra Leone (Requisition No: TAL-TCAF20180903-002).

Research Project Development, Supervision and Execution: 29

Memorandum of Understanding (MoU)/ Memorandum of Agreement (MoA) (No.): 31

Focal Point, Plant Genetic Resources, Bangladesh Institute of Nuclear Agriculture (BINA): IPGRI/FAO, Rome, Italy funded Project on “Implementation of the Global Plan of Action for the Conservation and Sustainable Utilization of Plant Genetic Resources for Food and Agriculture in Asia and the Pacific Region (GCA/RAS/186/JPN), (2004-2007).

Focal Point and Member, IAEA Country Programme Framework (CPF) for Bangladesh for Nuclear Agricultural Research for Food and Agriculture for 2013-2017, 2018-2023 & 2024-2029.

Syndicate Member/Regent Board Member/Academic Council Member of Public Universities: 4

SL. No.	Syndicate/Council/Board	Name of the University	Period
1.	Syndicate Member	Sylhet Agricultural University	2022-2024
2.	Regent Board Member	Patuakhali Science and Technology University	2022-2024
3.	Academic Council Member	Noakhali Science and Technology University	2020-to date
4.	Syndicate Member	Sher-e-Bangla Agricultural University	2020-2021

Engaged in Professional Associations and Publication’s:

Membership in professional societies : 16

National:

- a. President, Plant Breeding and Genetics Society of Bangladesh (PBGSB), 2022-2025
- b. Vice-President, Bangladesh Association for the Advancement of Science (BAAS), 2023 – 2025
- c. Life Member, Bangladesh Association for Biotechnology and Genetic Engineering (BABGE), 2005- to date
- d. Life Member, The Progressive Agriculturist, 1993- to date
- e. Life Member, Bangladesh Association for Environmental Development (BAED), 1998 – to date
- f. Life Member, Bangladesh Association for Plant Tissue Culture and Biotechnology, 2001 – to date
- g. Fellow, Bangladesh Academy of Agriculture (BAAG), 2014 – to date
- h. Life Member, Krishibid Institution Bangladesh (KIB), 2014 – to date
- i. Member, Crop Science Society of Bangladesh (CSSB), 1998- to date
- j. Associate Member, Bangladesh Botanical Society, 2005- to date
- k. Member, Bangladesh Institute of Nuclear Agriculture Scientist’s Association (BINASA), 1994-2024
- l. Associate Member, Bangladesh Society of Horticulture, 1998 – to date
- m. Life Member, Plant Breeding and Genetics Society of Bangladesh (PBGSB), 1994- to date
- n. Member, Committee of Action for Research, Extension and Services (CARES), Bangladesh, 2008- to date
- o. Life Member, Ecological Society of Bangladesh, 2016- to date

International:

- p. Green Platinum Member, Hybrid Rice Development Consortium (HRDC), IRRI, 2021- to date

Publications:

- i) No. of full International scientific paper: 41
- ii) No. of National full scientific paper: 63
- iii) No. of Book chapter: 7
- iv) No. of Booklet/Leaflet: 23
- v) No. of Thesis/Dissertation: 2
- vi) No. of Scientific Report: 24
- vii) No. of Abstract: 28
- viii) No. of Bulletin/Newsletter: 6
- ix) No. of Annual Research Report: 25
- x) No. of Annual Research Programme: 25
- xi) No. of BINA Brochure: 10
- xii) No. of BINA Documentary: 4

Key Skills: Research and administrative management, project development & management skills, financial management skills, monitoring & evaluation, computer & software skills, communication & leadership skills, statistical analysis skills, writing skills, problem solving, safety management, HRD skills etc.

Name and Address of Referees:

- i. Dr. Humnath Bhandari
IRRI Country Representative for Bangladesh
Senior Scientist, International Rice Research Institute (IRRI)
House 103, Road 1, Block F, Banani, Dhaka 1213, Bangladesh
Email: h.bhandari@irri.org, Mobile: +880 1777453363
- ii. Dr. Wais Kabir
Former Executive Chairman
Bangladesh Agricultural Research Council
Aristo Gulnagar, Flat A2, 1300 East Manipur, Mirpur
Dhaka 1216, Bangladesh
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- iii. Dr. Glenn B. Gregorio
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References:**Name and Address of Referees:**

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Email: Gbg@searca.org

I, Undersigned, certify that to the best of my knowledge and belief, these data correctly describe my qualifications, my experiences, and other relevant information about myself.



Signatures

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