



Curriculum vitae of Md. Arafat Hossain:

- a. **Full name, date of birth and age:** Md. Arafat Hossain, 30-11-1989,
b. **Present position:** Scientific Officer (SO), Biotechnology Division
c. **Institution/organization:** Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh
d. **Mailing Address:**

Md. Arafat Hossain,
Scientific Officer,
Biotechnology Division,
Bangladesh Rice Research Institute, Gazipur-1701,
Telephone: +8802 9294117-21 Ext. 253,
Cell phone: 01717053766, Fax: +8802 49272000,
E-mail: arfatbsmrau.07@gmail.com

- e. **Educational Qualifications:**

Sl. No.	Degree obtained with year	Subject/Discipline	University
1.	M.S., 2013	Agronomy	BSMRAU
2.	BS(Ag), 2010	Agriculture	BSMRAU

- f. **Area of Specialization:** Plant Biotechnology

- g. **Professional experience with duration (list in order of last assignment first)**

Employer	Designation	Duration	Major areas of research
BRRI, Gazipur, Bangladesh	Scientific Officer	2014 to till Date	Plant Biotechnology

h. **Publications:**

1. Total number of referred publications in national and international journals:

(International 2)

2. List two publications with full reference:

1. **Md Arafat Hossain**¹, Md Masud Rana^{2*}, S M Hisam Al Rabbi¹, Toshiaki Mitsui³. Management of puddled soil through organic amendments for post-rice mungbean. Asian Journal of Agriculture and Biology, 2020;8(x):x-x, DOI: 10.35495/ajab.2020.04.255.

Available at <https://www.researchgate.net/publication/346190969>

2. Mashfiquur Rahman^{1*}, Harunor Rashid², Mustafa Kamal Shahadat², Al-Arafat Topu³, **Arafat Hossain**⁴ and Sheikh Arafat Islam Nihad⁴. Field performance of some potato varieties under different saline conditions of Bangladesh. African Journal of Agricultural Research, DOI: 10.5897/AJAR2021.15578, Vol. 17(11), pp. 1480-1487, November, 2021.

Available at <https://doi.org/10.5897/AJAR2021.15578>

Research Article (Abstract)

1. Rahman MM, Karmakar B, **Hossain MA**, Ibrahim M, Ahmed B, Kabir MH 2020: Model demonstration for rapid dissemination of agricultural technology. In: Development: Road to SDGs” held at Shylet Agricultural University, Shylet, Bangladesh organized by Bangladesh Agricultural Extension Society (BAES) on 23-24 January 2020.p100-101.
2. M. Enamul Hoque*, Shahanaz Sultana, Jannatul Ferdous, Nilufar Yasmin, Shaikh S.M. Hisam Al Rabbi, Ripon Kumar Roy, **M. Arafat Hossain** and Shampa Das Joya. Biotechnology Division of BRRI: A Centre of Excellence for Rice Biotechnological Research in Bangladesh. An abstract published in the Annual Plant Tissue Cult. & Biotech. Conf. Dhaka, Bangladesh, 31 August, 2019, Department of Botany, University of Dhaka.
3. **Md. Arafat Hossain**, Jannatul Ferdous, Shahanaz Sultana, Ripon Kumar Roy and Md. Enamul Hoque. Genetic Diversity of Swarna Rice Genotypes using Molecular Marker. An abstract published in 10th Biennial conference of Plant Breeding and genetics Society of Bangladesh on 7-8 January 2017.p68-69.

Leaflet:

1. Dr. Md. Enamul Hoque, Dr. Shahanaz Sultana, Dr. Jannatul Ferdous, Dr. Nilufar Yasmin Shaikh, Dr S.M. Hisam Al Rabbi, Ripon Kumar Roy, **Md. Arafat Hossain**, Shampa Das Joya. 2018.**BRRI dhan87-high yielding, lodging resistant Aman rice variety**. A leaflet published by Biotechnology Division, Bangladesh Rice Research Institute, Gazipur-1701.
2. Dr. Md. Enamul Hoque, Dr. Shahanaz Sultana, Dr. Jannatul Ferdous, Dr. Nilufar Yasmin Shaikh, Dr S.M. Hisam Al Rabbi, Ripon Kumar Roy, **Md. Arafat Hossain**, Shampa Das Joya. 2018.**BRRI dhan89-high yielding Boro rice variety**. A leaflet published by Biotechnology Division, Bangladesh Rice Research Institute, Gazipur-1701.
3. Dr. Md. Enamul Hoque, Dr. Shahanaz Sultana, Dr. Jannatul Ferdous, Dr. Nilufar Yasmin Shaikh, Dr S.M. Hisam Al Rabbi, Ripon Kumar Roy, **Md. Arafat Hossain**, Shampa Das Joya. 2018. **BRRI dhan92-high yielding water saving Boro rice variety**. A leaflet published by Biotechnology Division, Bangladesh Rice Research Institute, Gazipur-1701.

Research Achievements:

1. **BRRI dhan86** (A High yielding Double haploid Rice Variety).
2. **BRRI dhan87** (A High Yielding Rice Variety for Rainfed Condition)
3. **BRRI dhan89** (A High Yielding Rice Variety for Dry Season/ Irrigated Condition)
4. **BRRI dhan92** (A High Yielding Rice Variety for Dry Season/ Irrigated Condition)
5. **BRRI dhan96** (A Short Duration High Yielding Rice Variety for Dry season/Irrigated Condition)
6. **BRRI dhan103** (A High yielding Double haploid Rice Variety for Rainfed Condition).
7. Identifying QTL for taller seedling height of Rice.