



# DR. MD. JAHIRUL ISLAM

Principal Scientific Officer

Crops Division

Bangladesh Agricultural Research Council (BARC), Farmgate, Dhaka 1215

✉ jahirul.islam@barc.gov.bd ☎ +880 1712431348



## 1. Career Brief

Dr. Md. Jahirul Islam is a plant physiologist specializing in plant responses to abiotic stress, particularly drought and salinity. He has extensive research experience in crop physiology, stress adaptation mechanisms, and biochemical regulation in industrial and food crops. With more than 35 scientific publications in international and national journals, his work focuses on improving crop resilience and productivity under changing climatic conditions. He has also been actively involved in research projects, professional training, and scientific collaborations in Bangladesh and abroad.

## 2. Area of Expertise

Plant Physiology and Stress Biology; Plant Responses to Abiotic Stress (Drought and Salinity); Crop Physiology and Biochemical Regulation; Antioxidant Defense and Redox Regulation in Plants; Plant Growth and Physiological Characterization; Controlled Environment Agriculture (LED Lighting, Aeroponics, and Plant Factory Systems); Secondary Metabolite and Phytochemical Analysis in Plants; Climate Change Adaptation and Climate-Resilient Crop Production.

## 3. Professional Experience

Designation	Organization	Service Period
Principal Scientific Officer	Bangladesh Agricultural Research Council	01/03/2023 ~ Present
Senior Scientific Officer	Bangladesh Sugarcrop Research Institute	04.07.2019 ~ 28.02.2023
Scientific Officer	Bangladesh Sugarcrop Research Institute	22/04/2012 ~ 03/07/2019

## 4. Education

Degree/Study	University	Passing Year
Ph.D.	Kangwon National University, South Korea	2022
MS in Crop Botany	Bangladesh Agricultural University	2010
B.Sc.Ag. (Hons.)	Bangladesh Agricultural University	2008

## 5. No. of Publications: 45

- Peer Reviewed Journal Articles: 35  
Principal Author- 12, Co Author- 23
- Book/Book Chapters: 2  
Principal Author- 2, Co Author- 0
- Abstract published in Seminar/Workshop: 3  
Principal Author- 2, Co Author- 1
- Patents: 5  
Principal Author- 0, Co Author- 5

## 6. Public Profile

Domain

ORCID

ResearchGate

Google Scholar

LinkedIn

Link to Profile

<https://orcid.org/my-orcid?orcid=0000-0003-3950-3599>

[https://www.researchgate.net/profile/Md-Jahirul-Islam-10?ev=hdr\\_xprf](https://www.researchgate.net/profile/Md-Jahirul-Islam-10?ev=hdr_xprf)

<https://scholar.google.com/citations?user=G854g6kAAAAJ&hl=en>

<https://www.linkedin.com/in/dr-md-jahirul-islam-13a33bb8/>