



DR MD PANNA ALI

Principal Scientific Officer

Crops Division
Bangladesh Agricultural Research Council (BARC)
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1. Career Brief

Dr. Md. Panna Ali is an accomplished Molecular Biologist (Genome Editing) and **Principal Scientific Officer (PSO)** at BARC with over 19 years of expertise in Genome Editing, Molecular Biology and Insect Pest Management. His 19-year career includes 17 years at the **Bangladesh Rice Research Institute (BRRI)** and 10 months at the **Bangladesh Agricultural Research Institute (BARI)**. As a PI, he led international projects financed by the **USAID** and the **National Academy of Sciences, USA**. Dr. Ali collaborates globally with institutions including **Michigan State University, LSU**, the **Chinese Academy of Agricultural Sciences**, and the **Swiss Federal Research Institute (WSL), Switzerland**. He holds a **PhD from Shizuoka University, Japan** and completed a **postdoctoral fellowship at Louisiana State University (LSU)**, specializing in Molecular Biology and **CRISPR-Cas9 genome editing** for pest resistance. A prolific researcher, he has secured **\$1.2M+ in funding** and published **52 peer-reviewed articles**. His scholarly impact is reflected in **2,082 total citations, an h-index of 24, and an i10-index of 46**. Dr. Ali excels in managing complex field expeditions, coordinating national biotechnology and Pest Management programs, and fostering international collaborations to develop sustainable climate-resilient agricultural strategies.

2. Area of Expertise

Genome Editing; Molecular Biology; Rice Production; Plant Protection; Climate Change Impact Analysis; and IPM for sustainable pest management.

3. Professional Experience

Designation	Organization	Service Period
PSO	Bangladesh Agricultural Research Council	30 June 2024 ~ Present
Postdoctoral Fellow	Louisiana State University, USA	21/09/2022 ~ 20/06/2024
SSO	Bangladesh Rice Research Institute (BRRI)	22/11/2012 ~ 22/11/2022
SO	Bangladesh Rice Research Institute (BRRI)	12/11/2007 ~ 21/11/2022
SO	Bangladesh Agricultural Research Institute (BARI)	21/01/2007 ~ 11/11/2007

4. Education

Degree/Study	University	Passing Year
Postdoctoral Fellow	Louisiana State University, USA	2024
PhD	Shizuoka University, Japan	2015
MS in Entomology	Bangladesh Agricultural University	2005
B.Sc.Ag. (Hons.)	Bangladesh Agricultural University	2004

5. No. of Publications

- Peer Reviewed Journal Articles
 - Principal Author-**20**, Co Author-**34**
- Book/Book Chapters
 - Co Author- 5
- Popular Articles
 - Principal Author-3
- Others [**Proceedings**]
 - Principal Author-5, Co Author-2

6. Public Profile

Domain

Link to Profile

ORCID

<https://orcid.org/my-orcid?orcid=0000-0001-8197-7064>

ResearchGate

https://www.researchgate.net/profile/Md-Panna-Ali?ev=hdr_xprf

Google Scholar

https://scholar.google.com/citations?user=MP_49f8AAAAJ&hl=en

LinkedIn

<https://www.linkedin.com/in/dr-md-panna-ali-a679a339/>