

## **AFROZA CHOWDHURY**

*Senior Scientific Officer*

Agricultural Economics Division

Bangladesh Rice Research Institute, (BRRI)

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Google Scholar ID: <https://scholar.google.com/citations?hl=en&hl=en&user=Lyf4zTIAAAAJ>

### **KEY AREAS OF EXPERTISE**

(1) Agricultural economics; (2) Agribusiness and price mechanism;  
(3) Socio-economic policy advocacy; (4) Sustainability; (5) Gender dynamics.

### **EDUCATION**

#### **Masters of Science in Agribusiness and Marketing, 2012**

Bangladesh Agriculture University, Mymensingh, Bangladesh

#### **Bachelor of Science in Agricultural Economics, 2010**

Bangladesh Agriculture University, Mymensingh, Bangladesh

### **JOB EXPERIENCE**

#### **Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh**

Senior Scientific Officer (November 2019– to date)

Agricultural Economics Division

*Responsibility:* Conducting research, communicating the findings, preparing reports and publications, and providing policy feedbacks.

#### **Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh**

Scientific Officer (January 2013 – November 2019)

Agricultural Economics Division

#### **Rural Development Academy (RDA), Bogura, Bangladesh**

Assistant Director (Research) (2012 – 2013)

*Responsibility:* Conducting training, research and action research programs for rural development.

### **RESEARCH EXPERIENCES**

My research at BRRI has been primarily focused on surveying and analysing the factors affecting sustained rice production, and identifying, testing and implementing interventions to integrate and diversify rice landscapes towards higher productivity. With a view to developing policy frameworks and guiding government agencies and other stakeholders, I design field experiments and surveys for assessing farm livelihoods, varietal adoption, accounting production efficiency and farm profitability, price mechanism, and analyse how climate and market risks affect agricultural systems.

### **PROFESSIONAL TRAINING**

I obtained advanced professional training on below mentioned topics

- Decision support system for Agro-technology transfer (DSSAT)
- Applications of Econometrics in Agricultural Research
- Evidence-based Policy-making and Program-designing
- R software for Experimental Design and Data Analysis

- Investment Game Application
- Basics on Agro Meteorology, Linux, Weather Research and Forecasting (WRF) model and Climate Prediction Toll (CPT)
- Addressing gender issues in agricultural value chains
- Economic and Financial Profitability Analysis.
- Developing Sustainable Food Value Chain.
- Training on Conducting Socio-economic Survey using *Surveybe* Software.
- Selected Software Tutorial for Econometric Analysis.
- Rice Production Training.
- Improvement of Public Service through Total Quality Management (TQM)
- Trade Policy Appreciation Training on WTO and Bangladesh

### **RESEARCH GRANTS AND COLLABORATIONS**

I have generated third party research funds of 2 million BDT as main applicant and 11 million BDT as co-applicant so far. I have worked in below mentioned multi-disciplinary projects in collaboration with national and international organizations.

- Mitigating risk and scaling-out profitable cropping system intensification practices in the salt-affected coastal zones of the Ganges Delta, Phase-II. Funded by ACIAR (Australian Centre for Integrated Agricultural Research)
- Integrated Rice Advisory System (IRAS) for sustainable productivity in Bangladesh. Funded by Partnerships for Enhanced Engagement in Research (PEER), USAID
- Value chain analysis of rice and its byproducts in Bangladesh: A field level investigation. Funded by Bangladesh Agricultural Research Council (BARC)
- Golden rice value chain study and developing stewardship plan in Bangladesh. Funded by Bill and Melinda Gates Foundation
- Tracking of climate resilient rice varieties developed by BIRRI and its Economic performance at the farm level in Bangladesh. Funded by Bangladesh Agricultural Research Council (BARC)
- Cost and benefit analysis of Jute and Jute diversified products in Bangladesh. Funded by CARE Bangladesh and European Union.

### **PROFESSIONAL ASSOCIATIONS**

Member of Professional Associations

- Bangladesh Agricultural Economists Association (BAEA)
- Krishibid Institution, Bangladesh (KIB)
- Bangladesh Rice Research Institute Scientist Association (BRRISA)
- The Organization for Women in Science for the Developing World (OWSD)