

Curriculum Vitae

Personal Information:

Name : **MS. SHAMIMA AKTER**
Date of birth : July 1, 1971
Place of birth : Sirajganj, Bangladesh
Marital status : Married
Nationality : Bangladeshi by birth

Address:

Senior Scientific Officer
Plant Pathology Division
Bangladesh Rice Research Institute
Gazipur- 1701, Bangladesh
Cell: 88 01552338406, 01703756355
Fax: 880-2-9261110
E-mail: sakter140@gmail.com

Academic Qualifications:

- **Doctor of Philosophy (PhD)**, Universiti Putra Malaysia, Malaysia, Plant Pathology, 2014, GPA 3.967.
- **Master of Science (M.S.)**, Bangladesh Agricultural University, Mymensingh, Plant Pathology, 1999, 1st Class, 1141 (71.31%).
- **Bachelor of Science in Agriculture (B.Sc.Ag.)**, Bangladesh Agricultural University, Mymensingh, Agriculture, 1993, (exam. held in 1997) 1st Class, 2648 (61.58%).
- **Higher Secondary Certificate (H.S.C.)**, Rajshahi Board, Science, 1989, 1st Division, 708 (70.80%).
- **Secondary School Certificate (S.S.C.)**, Rajshahi Board, Science, 1986, 1st Division, 744 (74.40%).

Working Experiences

Since 1999, I am working in Plant Pathology Division at Bangladesh Rice Research Institute (BRRI) on different aspects like survey and monitoring, epidemiology, management of rice fungal diseases (leaf scald, sheath rot, brown spot, grain spot, and sheath blight).

1999-2007: I have been working as a Scientific Officer in the Plant Pathology Division. I did lot of works on rice diseases. Among them I have developed management technology of rice disease like brown spot, sheath blight, I have developed also sporulation technique of *Bipolaris oryzae* causal agent of brown spot of rice and a mass inoculation technique of leaf scald disease of rice. In 2002, I have participated a training course for 3 months in UK. In 2005 I participated a training course on Leadership course for Asian Women in Agriculture in IRRI, Philippines.

2007-2010: I have been promoted to Senior Scientific Officer in the same division of Bangladesh Rice Research Institute. In the year of 2010 I have attended an International Rice Congress held in Vietnam and presented a poster.

2011-2015: I did my PhD in Universiti Putra Malaysia, Malaysia on Management of rice sheath blight with bacterial antagonists. In this period I have presented 3 papers in International Conferences in Malaysia.

2015-2016: After completed my PhD I came back to my country and joined my works continued until 8 March 2016.

2016-2018: I have been transferred to Regional Station of BRRI, Rajshahi. Different types of works I did during this period besides my field experiments. Among them participation in technology transfer through field demonstration, field day, farmers training, Radio talk etc. I have participated as a plant pathologist in variety evaluation for releasing new variety of inbred and hybrid rice. I worked as co-investigator of a project on **“Identification of potential bio-control agents and formulation of biopesticides against Bakanae disease of rice.”**

2018- till date: In 2018, I have been transferred back to BRRI Gazipur working with different projects. One of the important projects is biocontrol of rice sheath blight using antagonistic microbes, working as a plant pathologist in healthier rice project to monitor and evaluate the incidence and severity of major diseases of rice. I am working as a co-investigator of the project on **“Sustainable management of blast, sheath blight and bacterial blight diseases of rice through nano-particles (NPs)”**.

Research Publications:

I have published 29 full papers and a short communication in national and international journal to my credit. Among them 5 full papers are in ISI journal. A book chapter was published by Greenleaf Publishing Limited, Sheffield, United Kingdom. A number of full papers are in progress for publication. I have presented papers in different national and international conference, seminar and workshop.

Professional Training received:

In country

- **Foundation Training**, Bangladesh Academy for Rural Development (BARD), Comilla, Bangladesh, 3.5 months
- **Rice Production, Communication and Office Management**, Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh, 2 months
- **Training of Trainer on Participatory Reflection and Action (PRA)**, Village Education Resources Center (VERC), Savar, Bangladesh, 1 week
- **Hybrid Rice Technology**, Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh, 1 month

- **Identification, Sampling and Data Collection on Rice Sheath Blight Disease Complex**, Bangladesh Rice Research Institute (BRRI), Bangladesh, 3 days
- **Gender and Development**, Regional Public Administration Training Centre (RPATC), Bangladesh, 5 days
- **Safe use of Pesticides in Agriculture**, Bangladesh Agricultural Research Council (BARC), Bangladesh, 2 days
- **Breeder Seed Production and Preservation of Rice**, Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh, 5 days
- **Experimental Design and Data Analysis**, Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh, 3 days
- **Hybrid Rice Development and Seed Production**, Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh, 5 days
- **Phytosanitary Measures and Food Safety Issues in Bangladesh**, Bangladesh Agricultural Research Council (BARC) Farmgate, Dhaka, 1 day
- **Rice Physiological Development Through Trait Discovery**, Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh, 6 days
- **Project Development and Management**, Bangladesh Institute of Management (BIM), Dhaka
- **Financial and Procurement Management**, Bangladesh Agricultural Research Council (BARC) Farmgate, 5 days
- **Hands on Training in HPLC Method Development**, Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh, 3 days
- **Monitoring and Evaluation in Project Management**, Bangladesh Agricultural Research Council (BARC), Farmgate, Dhaka, 5 days
- **Introduction to ISO17025:2017 Standards for Laboratory Accreditation**, Bangladesh Agricultural Research Council (BARC), Farmgate, Dhaka, 5 days
- **Scientific Report Writing**, Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh, 5 days
- **Hands on Training in PCR, Real time PCR and LCMS**, Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh, 5 days
- **Good Governance**, National Agriculture Training Academy (NATA), Gazipur
- **Hands-on Training in Laboratory Management Course**, Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh, 10 days

Abroad

- **Fungal Molecular Diagnostic**, Horticulture Research International, UK, 3 months
- **Leadership Course for Asian Women in Agriculture**, International Rice Research Institute (IRRI), Philippines, 2 weeks

Membership of Professional Institutions:

- **Member-** Organization for Women in Science for the Developing World (OWSD), Italy
- **Member-** Agriculturist Institution, Dhaka, Bangladesh
- **Life member-** Bangladesh Phytopathological Society, Gazipur, Bangladesh
- **Member-** Bangladesh Rice Research Institute Scientists Association, Gazipur, Bangladesh
- **Member-** Professional Organization of Women in Extension and Research, Dhaka, Bangladesh
- **Member-** Bangladesh Association of Scientists and Scientific Professions, Dhaka, Bangladesh
- **Member-** Bangladesh Entomology Society, Gazipur, Bangladesh
- **Member-** Bangladesh Botanical Society, Dhaka, Bangladesh