Brief *Curriculum Vitae*: Md Tofazzal Islam, FBAS, FTWAS [February, 2022]

Institute of Biotechnology and Genetic Engineering (IBGE), Bangabanhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur-1706, Bangladesh. Tel. +88-02-01714001414 Fax +88-02-9205333, E-mail: [tofazzalislam@bsmrau.edu.bd](mailto:tofazzalislam@bsmrau.edu.bd) DoB: 20/12/1966 <https://ibge.bsmrau.edu.bd/tofazzal/> Twitter @tofazzalislam

Education

PhD in Applied Biosciences (Grade A, Excellent) (2002), Hokkaido University, Japan

MS in Mol. Ecol. Chem. (Grade A, Excellent) (1999), Hokkaido University, Japan

MSc(Ag) in Agril. Chem. (First Class First) (1995), Bangladesh Agricultural University, Bangladesh

B Sc Agriculture (First Class First) (1991), Bangladesh Agricultural University, Bangladesh

Appointments and institutional responsibilities

Professor and Head, Plant Biotechnology Discipline, IBGE, BSMRAU, Bangladesh 7/2019-present

Visiting Professor, Institute of Plant Protection, CAAS, Beijing, China 4/2021-present

Director, Institute of Biotechnology and Genetic Engineering (IBGE), BSMRAU 4/2019-4/2021

Director (International Affairs), BSMR Agric University, Bangladesh 7/2017-11/2017

Director (Outreach Activity), BSMRAU, Bangladesh 7/2012-7/2013 Professor & Head, Department of Biotechnology, BSMRAU,Bangladesh 7/2010-9/2017

Professor (Agriculture), SARD, Bangladesh Open University (BOU), Bangladesh 1/2010-7/2010

Assoc. Professor (Ecological Chemistry), SARD, BOU, Bangladesh 4/2004-1/2010

Assistant Professor (Ecological Chemistry),SARD, BOU, Bangladesh 5/1994-4/2004

Awards/Prizes

2022 ATN Bangla Unnayane Bangladesh Award 2021, Dhaka, Bangladesh

2022 Elected Fellow, The World Academy of Sciences (TWAS), Italy

2019 Commonwealth Innovation Award, Commonwealth Secretariat, UK

2018 Islamic Development Bank Transformers Science, Technology and Innovation Prize

2017 Fulbright Visiting Scholar Fellowship, USA

2017 Vocational Excellence Award, Rotary International, Uttara Club, Dhaka

2016 Elected Fellow of Bangladesh Academy of Sciences (FBAS) since 2016, Bangladesh

2016 Best Speaker Award in the International Conference on Agriculture in Bangladesh

2015 Japan Society for the Promotion of Science (JSPS) Invitation Fellowship, Japan

2015 Malaysian Technical Cooperation Program (MTCP) Fellowship, Malaysia

2011 Bangladesh Academy of Science Gold Medal in Biological Sciences, Bangladesh

2013 Commonwealth Academic Staff Fellowship, United Kingdom

2008 University Grants Commission Awards in 2004 & 2008 in Agriculture, Dhaka, Bangladesh

2007 Georg Forster Research Fellowship from Alexander von Humboldt Foundation, Germany

2003 JSPS Postdoctoral Research Fellowship (April 2003 to March 2005), Japan

2003 Best Young Scientist Award, Japan Society for Bioscience, Biotechnology and Agrochemistry

2000 UNDP Young Scientist Award for Participating in a Workshop (9-28 July) in Jamaica

1997 Japanese Government Scholarship (Monbukagakusho) (1997-2002), Japan

2005 Gold Medal from Bangladesh Agricultural University, Bangladesh

Professional activities (selected)

2021-present Editorial Advisory Board, *CAB Reviews*

2020-present Associate Editor, *Frontiers in Microbiology*

2020-present Academic Editor, *PLoS One*

2020-present Chief Editor, *CRISPR-Cas Methods* & *Bacilli and Agrobiotechnology*, Springer

2018-present Editor, *Annals of Bangladesh Agriculture*

2017-present Member, National Core Committee for Crop Biotechnology, Bangladesh

2012-2018 General Secretary, Association of Humboldt Fellows Bangladesh

Membership of scientific societies (selected)

I am active member of American Phytopathological Society (APS, since 2008), Bangladesh Phytopathological Society, American Society for Microbiology, American Association for the Advancement of Sciences, Bangladesh Chemical Society, Bangladesh Nano Society, Japan Society for Bioscience, Biotechnology and Agrochemistry, Bangladesh Association for the Advancement of Sciences and Global Network for Bangladeshi Biotechnologists, Bangladesh. I have been serving in several committees of the APS and reviewers of major journals including Phytopathology and Plant Disease.

Organization of international conferences/symposia (selected)

2021 Secretary, International Biotechnology Symposium (virtual), Dhaka, Bangladesh

2018 Session Organizer, International Congress of Plant Pathology (ICPP18) in Boston, MA.

2019 Organizer, Int. Conference of Biotechnology on Health and Agriculture, GNOBB, Dhaka

2012 Organizing Secretary, The JSBBA International Symposium, Dhaka, Bangladesh

2012 Secretary, International Symposium of Association of Humboldt Fellows Bangladesh

#### **Major collaborators**

I maintain an extensive worldwide network of interdisciplinary collaborators, including Prof. Sophien Kamoun, FRS and Prof. Nick Talbot, FRS, FRSB of The Sainsbury Laboratory, Norwich (UK); Prof. Guo-Liang Wang, FAPS, FAAAS of Ohio State University, USA; Prof. Daniel Panaccione and Dr. Mahfuzur Rahman of West Virginia University (USA); Prof. Andreas von Tiedemann and Prof. Hartmut Laatsch of University of Goettingen (Germany); Prof. Yukio Tosa of Kobe University (Japan); Prof. Yusuyuke Yamauchi of University of Queensland (Australia), Prof. Daniel Croll of Université de Neuchâtel, Switzerland; Dr. Houxiang Kang and Dr. Huijun Guo of Chinese Academy of Agricultural Sciences, China; Dr. Muhammad J. A. Shiddiki of Griffith University, Australia; Dr. Andrew Sharpe of the Global Institute for Food Security, Canada; Dr. Pankaj Bhowmik, National Research Council, Canada.

#### **Contribution to early career researchers**

I supervised 6 Postdocs, 6 Ph D and 54 MS researchers at Bangabandhu Sheikh Mujibur Rahman Agricultural University, Bangladesh and dedicated to help them to establish their independent careers as faculty members at several universities, and as researchers at the national research institutes in Bangladesh. Some of them are now established their career in abroad.

#### **Research funding and project completed**

I earned total approx. USD 2.0 million external funding in last 10 years from World Bank, USDA-FAS, International Atomic Energy Agency, Food and Agricultural Organization, Bangladesh Academy of Sciences, Krishi Gobeshona Foundation, BBSRC etc. for enriching laboratories with state-of-art facilities for the establishment of the Institute of Biotechnology and Genetic Engineering (IBGE) and BSMRAU, and to conduct cutting-edge basic research on molecular plant-oomycete interactions, biology and host-pathogen interactions of wheat blast fungus and also apply new knowledge for the biorational management of these destructive enemies of major food crops in Bangladesh.

#### **Invited presentation (selected from >150)**

#### 2021 Invited talk at the Interchange21, Commonwealth Scholarship Commission, UK

#### 2019 Plenary talk at the 8th International Rice Blast Conference in Chengdu, China

#### 2018 Invited presentation at the 6th South Asia Biosafety Conference, Dhaka, Bangladesh

#### 2018 Invited talk in the International Congress of Plant Pathology (ICPP2018) on Boston, USA

2018 Invited to deliver a lecture on Bioactive Natural Products for Managing Plant

Diseases at Crop Bioprotection Research, USDA ARS, Peoria Illinois, USA.

2018 Fulbright Outreach Lecture on Novel genomic and genome editing approaches for detection and mitigation of fearsome wheat blast in Bangladesh and beyond at North Dakota State University, USA

2018 Delivered a symposium talk on A new pathotype of *Magnaporthe oryzae* causing devastating wheat blast disease in multiple continents in APS Potomac Division Annual Meeting Maryland, USA.

2016 Keynote lecture delivered at the International workshop on mitigation of wheat blast in Bangladesh beyong, Kathmandu, Nepal.

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