



Curriculum Vitae of Prof. Dr. Md Tofazzal Islam FBAS, FTWAS, FAPS, FBAA

B.Sc.Ag. (Hons.) (First Class First) & **M.Sc.Ag.** (First Class First), *Gold Medalist*, Bangladesh Agricultural University, Mymensingh, Bangladesh

MS & Ph D (Applied Bioscience with Distinction), Hokkaido University, Japan

Postdoc Fellow, Fulbright (WVU, USA), Commonwealth (UN, UK), Alexander von Humboldt (GAU, Germany) and Japan Society for the Promotion of Science (JSPS, Japan).

Visiting Professor, Kobe University and Gifu University in Japan and Chinese Academy of Sciences in Beijing in China, BRAC University and East West University in Bangladesh

Editor: *Scientific Reports* (USA), *PLOS One* (USA), *Frontiers in Microbiology*, *Frontiers in Cellular and Infection Microbiology* & *Frontiers in Fungal Biology* (Switzerland), *Physiologia Plantarum* (Europe), and *CABI Reviews* (UK).

Chief Editor, *CRISPR-Cas Methods* and *Bacilli in Agrobiotechnology* (Springer, New York, USA).

Contact

Founding Director, Institute of Biotechnology and Genetic Engineering (IBGE)

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Bangladesh Academy of Sciences (BAS): <https://bas.org.bd/fellow-details/17>

TWAS: <https://twas.org/directory/islam-md-tofazzal>

American Phytopathological Society: https://www.apsnet.org/members/give-awards/awards/Fellows/Pages/Fellow_Islam_Tofazzal.aspx

Researchgate: https://www.researchgate.net/profile/Tofazzal_Islam

ORCID ID: <http://orcid.org/0000-0002-7613-0261>

Google scholar: <https://scholar.google.com/citations?user=kfsgZf0AAAAJ&hl=en&oi=ao>

Wikipedia page: https://en.wikipedia.org/wiki/Md._Tofazzal_Islam

Brief Resume of Professor Tofazzal Islam

Professor Tofazzal Islam, born on December 20, 1966, is a distinguished academic figure serving as a Professor and Founding Director of the Institute of Biotechnology and Genetic Engineering (IBGE) at Bangabandhu Sheikh Mujibur Rahman Agricultural University in Bangladesh. He earned his BScAg (Hons) and MSc(Ag) degrees, both with first-class honors, from Bangladesh Agricultural University in 1988 and 1989, respectively. Tofazzal furthered his education by completing his MS and PhD degrees in Applied Biosciences at Hokkaido University in 1999 and 2002. He has held prestigious postdoctoral positions at esteemed institutions such as Hokkaido University, University of Goettingen, University of Nottingham, and West Virginia University, under various fellowship programs including JSPS, Alexander von Humboldt, Commonwealth, and Fulbright. He served as an Adjunct Professor of the Genetic Engineering and Biotechnology Department of East West University from 2014-2017.

Throughout his career, Dr. Tofazzal has garnered international recognition for his groundbreaking research and expertise in the application of frontier sciences, including tissue culture, molecular biology, genomics, and genome editing, to address the impacts of climate change on agriculture through the development of climate-smart agrobiotechnology. He is a pioneer in establishing the IBGE with state-of-the-art laboratories for cutting-edge research, securing over 10 million dollars in internationally competitive grants. Dr. Tofazzal's contributions include swiftly investigating and addressing the 2016 wheat blast outbreak in Bangladesh, employing field pathogenomics and open science principles. He has led extensive research efforts to mitigate the devastating effects of wheat blast disease, developing a CRISPR technology-based rapid point-of-care diagnostic method for detecting wheat blast fungus. Collaborating with researchers at the Global Institute for Food Security of Canada, Professor Tofazzal's team recently achieved a milestone by decoding the entire genome of a year-round fruiting jackfruit. Throughout his career, Prof. Islam has discovered over 50 novel bioactive secondary metabolites from marine and terrestrial organisms, elucidating their mechanisms of action on phytopathogens and highlighting potential avenues for agricultural innovation and disease management.

Prof. Tofazzal holds esteemed editorial roles in leading scientific journals and has authored numerous publications in top-tier journals, accumulating approx. 12,800 citations and boasting an impressive h-index of 58 (Top in Genetics and Biotechnology in Bangladesh, and among top 1% researchers in the world). Recognized for his exceptional contributions, Dr. Islam is an elected Fellow of esteemed organizations including the Bangladesh Academy of Sciences, American Phytopathological Society (USA), Bangladesh Academy of Agriculture, and The World Academy



of Sciences (TWAS, Italy). He has received numerous awards and accolades, including the Gold Medal from the Bangladesh Academy of Sciences and the Commonwealth Innovation Award.

Prof. Tofazzal's research endeavors have been generously funded by various international organizations, including the World Bank, Bill & Melinda Gates Foundation, BBSRC and FCDO (UK), and USDA-FAS, among others. He has also been invited to deliver plenary and keynote lectures at numerous international congresses and conferences worldwide, cementing his reputation as a leading authority in his field.

Areas of Specialization

- Genomics and Genome Editing
- Agri-biotechnology and Genetic Engineering
- Mining Bangladesh Biogold

Education

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

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

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

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

HSC (Science), Comilla Board (1984), First Division, Brahmanbaria Govt. College, Bangladesh

SSC (Science), Comilla Board (1982), First Division, Satbarga High School, Brahmanbaria, Bangladesh

Professional position held

Visiting Professor, Kobe University	12/2023-1/2024
Professor (Grade 1) Head, Plant Biotechnology Discipline	7/2019-to date
Visiting Professor, Chinese Academy of Agricultural Sciences (CAAS), China	7/2021-7/2023
Professor & Founding Director, Institute of Biotechnology and Genetic Engineering (IBGE), BSMRAU	4/2019-4/2021
Fulbright Visiting Scholar, West Virginia University	9/2017-6/2018
Director (International Affairs), BSMR Agric University, Bangladesh	7/2017-11/2017
JSPS Invitation Fellow, <i>Gifu University</i> , Japan	6/2015-7/2015
Commonwealth Academic Staff Fellow, <i>University of Nottingham</i> , UK	3/2013-6/2013
Adjunct Professor, <i>Dept. Genet. Engin. Biotechnol., East West University</i> , Bangladesh	4/2013-8/2017
Director (<i>Outreach Activity</i>), BSMRAU, Bangladesh	7/2012-7/2013
Professor & Head, <i>Department of Biotechnology, BSMRAU</i> , Bangladesh	7/2010 – 9/2017
Professor (Agriculture), <i>SARD, Bangladesh Open University (BOU)</i> , Bangladesh	1/2010 – 7/2010
Assoc. Professor (Ecol. Chem.), <i>SARD, BOU</i> , Bangladesh	4/2004 – 1/2010
Georg Forster Fellow, <i>Georg-August Universität Göttingen</i> , Germany	4/2007- 3/2009

JSPS Postdoctoral Research Fellow, <i>Hokkaido University</i> , Sapporo, Japan	4/2003 – 4/2005
Assistant Professor (Ecological Chemistry), <i>SARD, BOU</i> , Bangladesh	5/1997 – 4/2004
Lecturer (Agriculture), <i>SARD, BOU</i> , Bangladesh	9/1994 – 5/1997
Graduate Research Assistant, <i>Bangladesh Agricultural University</i> , Bangladesh	7/1991 – 8/1994

Professional Honors, Awards, Prizes and Fellowships

2023: Elected Fellow, Bangladesh Academy of Agriculture, Bangladesh

2022: Best Researcher Award, BSMR Agric University

2022: Elected Fellow, American Phytopathological Society, USA

2022: Elected Fellow, The World Academy of Sciences, Italy

2022: Ambassador, Hokkaido University, Japan

2021: Global Network of Bangladeshi Biotechnologists Gold Medal & Award

2021: ATN Bangla TV Outstanding Scientist Award, Bangladesh

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

2017: Abdul Mannan Memorial Award, Hafiza Khatun Memorial Trust, Bangladesh

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

2016: Best Speaker Award 2016 in National Convention & International Conference of KIB Bangladesh

2016: Genius Award 2016 from Bangladesh Education Observers Society, Bangladesh

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

2015: Malaysian Technical Cooperation Program (MTCP) Fellowship 2015, Malaysia

2015: International Consultant, Secretariat of Pacific Community's (SPC), 2015, Fiji

2011: Bangladesh Academy of Science Gold Medal 2011, Biological Sciences (Senior Group), Bangladesh

2013: Commonwealth Academic Staff Fellowship, United Kingdom

2011: University Grants Commission Award 2008 in Agriculture, Dhaka, Bangladesh

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

2007: University Grants Commission Award 2004 in Agriculture, Bangladesh

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

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

2002: Best Presenter Award in the 3rd World Congress on Allelopathy, Japan

2000: UNDP Young Scientist Award 2002 for Participating in a Workshop (9-28 July 2000) in Jamaica

1997: Japanese Government Scholarship (Monbukagakusho) (1997-2002) for MS and Ph D Study, Japan

2005: Gold Medal from Bangladesh Agricultural University for outstanding results (highest marks in the whole faculty) in Master's of Science (Agriculture) 1995.

1995: Bangladesh Agricultural University Prize in 1995 for Securing First Position (out of 400 students) in the First Class in B. Sc. Ag. (Hons.) in 1991.

1991: Prof. Abdul Karim Memorial Award for securing top position in B.Sc.Ag (Hons)

1990: UGC Scholarship for Securing Highest Marks among all faculties of BAU at undergraduate final examination.

Notable Contributions

- ✚ Developed a rapid, convenient, specific and cost-effective molecular diagnostic method for detection of wheat blast fungus genome-specific primers and Cas12a-mediated technology. This new technology has been funded by Bill & Melinda Gates Foundation for dissemination in Asia and African countries.
- ✚ Decoded the whole genome of the year round fruiting jackfruit.
- ✚ Discovered origin and genetic identity of the first emergence of devastating wheat blast disease in Bangladesh in 2016 using field pathogenomics and open data sharing approaches.
- ✚ Developed a formulation of plant probiotics for biological control of wheat blast diseases.
- ✚ Discovered more than 50 new bioactive natural products and elucidated their modes of action.
- ✚ Established the Institute of Biotechnology and Genetic Engineering (IBGE) in 2019 at BSMRAU.
- ✚ Secured approx. USD 10 million funds from national and international donors, and established laboratories with state-of-art facilities and developed a Dream Team for need-based research at the IBGE of BSMRAU.
- ✚ Developed novel plant probiotic formulation that reduce 50% requirement of chemical fertilizers in rice.



- 🌱 Developed a strong national and international collaboration to address emerging challenges in agriculture by cutting-edge research (e.g., genomics, genome editing, nanotechnology etc.).

List of Publications of Professor Md Tofazzal Islam

- Total **360+**; Google Scholar citations **12,800+** (approx.), h-index 58; i10-index 221; Patents 2 (as on May 20, 2025).
- **Ranked among top 1% Researchers** in the World (Elsevier-Stanford University Database)
- **Top Researcher** in the Country in Biotechnology and Genetic Engineering.
- Published more than **500 articles/editorial** on population science and policy in the national dailies and periodicals.
- Author of two popular books in Bangla titled '**Genome Editing**' and '**Frontier Technologies in Industrial and Agricultural Revolution**'.

List of selected publications in last 5 Years only

SL No.	Article details	Publishing Country and Publisher's name	Impact Factor
1	Genomic and In Vitro Analysis of <i>Pediococcus pentosaceus</i> MBBL4 Implicated Its Therapeutic Use Against Mastitis Pathogens and as a Potential Probiotic. Md. Morshedur Rahman, Naim Siddique, Md Abu Ahsan Gilman, Soharth Hasnat, Md. Golam Haider, Md. Morshedur Rahman, Anup Kumar Talukder, Abu Nasar Md. Aminoor Rahman, Tofazzal Islam, Ziban Chandra Das, M. Anwar Hossain & M. Nazmul Hoque. Probiotics and Antimicrobial Proteins, (2025). https://doi.org/10.1007/s12602-025-10484-8	The Netherlands Springer Nature	4.4
2	Microbiome diversity in soils of the agro-ecological zones of Bangladesh. Nurul Islam, M. Nazmul Hoque, Sabbir Hossen, Abu Ahsan Gilman, Tofazzal Islam*. Microbiology Resource Announcement, 25 February 2025, https://doi.org/10.1128/mra.01237-24 *Corresponding author	American Society for Microbiology, USA	0.79
3	Microbiome Engineering for Sustainable Rice Production: Strategies for Biofertilization, Stress Tolerance, and Climate Resilience. Misu, I.J.; Kayess, M.O.; Siddiqui, M.N.; Gupta, D.R.; Islam, M.N.; Islam,	Switzerland MDPI	4.1

	T*. <i>Microorganisms</i> 2025, 13, 233. https://doi.org/10.3390/microorganisms13020233 *Corresponding author		
4	Distinct amino acid substitutions in the EEV glycoprotein and DNA-dependent RNA polymerase of lumpy skin disease virus identified in wetland areas of Bangladesh. Moslema Jahan Mou, S.M. Nazmul Hasan, Anandha Mozumder, Marjana Akter, Riyan Al Islam Reshad, Roni Mia, Md. Salauddin, M. Shaminur Rahman, Md. Mahmudul Alam, Sharmin Akter, Sukumar Saha, Tofazzal Islam, Md. Golzar Hossain (2025, February). <i>Research in Veterinary Science</i> Volume 183, 105508	Netherlands, Elsevier BV	2.2
5	Genomic and Computational Analysis Unveils Bacteriocin Based Therapeutics against Clinical Mastitis Pathogens in Dairy Cows. Soharth Hasnat, Md. Morshedur Rahman, Farzana Yeasmin, Mohammad Jubair, Yosra A. Helmy, Tofazzal Islam* & M. Nazmul Hoque. Probiotics and Antimicrobial Proteins (29 April 2025), (2025). https://doi.org/10.1007/s12602-025-10563-w *Corresponding author	The Netherlands Springer Nature	4.4
6	In-silico identification and characterization of effector proteins in the rice blast pathogen <i>Magnaporthe oryzae</i> . Soharth Hasnat, M. Nazmul Hoque, M. Murshida Mahbub, Jannatun Bari Jummah, Julfikar Ali, Tahsin Islam Sakif, Keith A. Crandal, Tofazzal Islam. (2025) Computational and Structural Biotechnology Reports Volume 2, 2025, 100028	Netherlands Elsevier	-
7	<i>Rmg8</i> gene against wheat blast. Islam, T*., Azad, R.B. (2024), <i>Nature Plants</i> 10, 836–837. *Top & Corresponding author	United Kingdom, Springer Nature	15.8
8	Biological control potential of worrisome wheat blast disease by the seed endophytic bacilli, MZ Surovy, S Dutta, NU Mahmud, DR Gupta, T Farhana, J Win, C Dunlap, M Rahman, AG Sharpe, T Islam*. (2024). <i>Frontiers in Microbiology</i> , 15: 1336515. *Corresponding author	Switzerland, Frontiers Media S.A.	4.0
9	Enhancing rice growth and yield with weed endophytic bacteria <i>Alcaligenes faecalis</i> and <i>Metabacillus indicus</i> under reduced chemical fertilization. Fatema K, Mahmud NU, Gupta DR, Siddiqui MN, Sakif TI, Sarker A, ... and T Islam* (2024). <i>PLOS ONE</i> 19(5): e0296547. *Corresponding author	United States of America, PLOS (Public Library of Science)	3.752
10	Genomic surveillance for tackling emerging plant diseases, with special reference to wheat blast. Tofazzal Islam (2024). CABI Reviews 19, 1. https://doi.org/10.1079/cabireviews.2024.0050	CAB International, UK	2.3
11	Unveiling the gut bacteriome diversity and distribution in the national fish hilsa (<i>Tenualosa ilisha</i>) of Bangladesh. Kawser AQMR, Hoque MN, Rahman MS, Sakif TI, Coffey TJ, Islam T* (2024). <i>PLOS ONE</i> 19(5): e0303047. *Corresponding author	United States of America, PLOS (Public Library of Science)	3.752
12	Addressing the challenge of <i>Pandoraea sputorum</i> in cystic fibrosis: A call for novel therapeutic strategies. Riyan Al	Netherlands, Elsevier BV	2.9

	Islam Reshad, Roni Mia, Yusha Araf, Anandha Mozumder, Sharmin Akter, Sukumar Saha, Muzahed Uddin Ahmed, Chirojit Debnath, Mohammad Kamruzzaman Khan, Chitta Ranjan Debnath, Mamun Al Mahtab, Tofazzal Islam, Md Golzar Hossain (2024). <i>New Microbes and New Infections</i> , 62, 101504.		
13	Do CRISPR-based disease diagnosis methods qualify as point-of-care diagnostics for plant diseases? Shamfin Hossain Kasfy, Farin Tasnova Hia, Tofazzal Islam* (2024). <i>The Nucleus</i> , 67, 11-24. *Corresponding author	Germany, Springer Nature	2.1
14	Pantothenate kinase: A promising therapeutic target against pathogenic <i>Clostridium</i> species. Soharth Hasnat, M. Nazmul Hoque, M Murshida Mahbub, Tahsin Islam Sakif, A.D.A. Shahinuzzaman, Tofazzal Islam* (2024). <i>Heliyon</i> 10(2024): e34544 *Corresponding author	Netherlands, Elsevier BV	3.4
15	Draft genome sequence of <i>Leuconostoc falkenbergense</i> isolated from naturally fermented buffalo milk curd. Mst. Umme Habiba, M. Nazmul Hoque, Shabbir Ahmed, Tofazzal Islam, Gautam Kumar Deb, Md. Morshedur Rahman (2024). <i>Microbiology Resource Announcements</i> 13 (5).	United States, American Society for Microbiology (ASM)	0.78
16	In vitro and in silico investigation of effects of antimicrobial peptides from Solanaceae plants against rice sheath blight pathogen <i>Rhizoctinia solani</i> . Mustapha T, B S, Zubair T, Patil RB, Bhongade BA, Sangshetti JN, Tofazzal Islam* (2024). <i>PLOS ONE</i> 19(6):e0302440. *Corresponding author	United States, PLOS (Public Library of Science)	3.4
17	Antifungal plant flavonoids identified in silico with potential to control rice blast disease caused by <i>Magnaporthe oryzae</i> . Abu Tayab Moin, Tanjin Barketullah Robin, Rajesh B Patil, Nurul Amin Rani, Anindita Ash Prome, Tahsin Islam Sakif, Mohabbat Hossain, Dil Umme Salma Chowdhury, Shah Samiur Rashid, AKM Moniruzzaman Mollah, Saiful Islam, Mohammad Helal Uddin, Mohammad Khalequzzaman, Tofazzal Islam*, Nazneen Naher Islam (2024). <i>PLOS ONE</i> , 19(4), e0301519. *Corresponding author	United States, PLOS (Public Library of Science)	3.4
18	Genomic surveillance for tackling emerging plant diseases, with special reference to wheat blast. Tofazzal Islam* (2024). CABI Reviews 19:1 https://doi.org/10.1079/cabireviews.2024.0050 *Corresponding author	CAB International, UK	2.0
19	Development of multi epitope subunit vaccines against emerging carp viruses Cyprinid herpesvirus 1 and 3 using immunoinformatics approach. Rani, N.A., Robin, T.B., Prome, A.A. Tofazzal Islam* (2024). <i>Scientific Reports</i> 14, 11783. *Corresponding author	United Kingdom, Nature Portfolio	3.8
20	Regulation of Plant Responses to Temperature Stress: A Key Factor in Food Security and for Mitigating Effects of Climate Change, Z Lee, JA Lim, JA Harikrishna, T Islam, MH Abd Rahim, JS Yaacob. (2024). <i>International Journal of Plant Production</i> , 18: 1-19.	Springer Nature, Germany	2.1

21	Draft genome sequencing of <i>Enterococcus avium</i> strains isolated from bovine mastitis. Monira Rahaman, Taniya Sultana, Md Morshedur Rahman, Naim Siddique, Golam Mahbub Faisal, Mehedi Mahmudul Hasan, Ziban Chandra Das, ANM Aminoos Rahman, Tofazzal Islam, M Nazmul Hoque (2024). Microbiology Resource Announcements , 13(6), e00236-24.	United States, American Society for Microbiology (ASM)	0.7
22	History and Current Status of Sugarcane Breeding, Germplasm Development and Molecular Approaches in Bangladesh, MA Azim, K Mahmud, N Islam, MM Rahman, MT Islam, AE Hossain, SA Bhuiyan. (2024). Sugar Technology 26: 1-11.	India Springer Science+Business Media	1.872
23	Mechanistic Insight into the Physiological and Biochemical Traits Improvement by Mycorrhiza Biofertilization in Soybean Under Phosphorus-Starved Conditions. Protik Kumar Ghosh, Md Mezanur Rahman, Anik Kumar Saha, Md Ashrafuzzaman, M Tofazzal Islam, Md Nurealam Siddiqui (2024). Journal of Plant Growth Regulation , 43, 3446–3459.	United States, Springer USA	5.85
24	Nanoselenium and nanosilicon for nutrition and disease protection of crop plants, H Sohrawardy, SH Kasfy, T Islam*. (2024). Nanofertilizer Delivery, Effects and Application Methods , pp. 227-249. *Corresponding author	Germany Springer	-
25	Foraging insects on sweet corn plants at Gazipur in Bangladesh. M. Afroz and M.R. Amin T.T. Moon, M.R.U. Miah, M. Tofazzal Islam. (2024). Journal of Entomological Research , 8(3), 408-412.	New Delhi, India Malhotra Publishing House	0.21
26	Whole-genome sequencing of <i>Enterococcus faecalis</i> probiotic strains isolated from raw milk of healthy cows. Md Morshedur Rahman, Naim Siddique, ANM Aminoos Rahman, Ziban Chandra Das, Tofazzal Islam*, M Nazmul Hoque (2024). Microbiology Resource Announcements 13(9), e00465-24. *Corresponding author	United States, American Society for Microbiology (ASM)	0.78
27	Microbial Remediation of Heavy Metal Contamination in Soils. Lamya Muazzeda Medha, Tofazzal Islam* (2024). In: Heavy Metal Toxicity: Human Health Impact and Mitigation Strategies . pp. 129-161. Springer Nature Switzerland. *Corresponding author	Switzerland Springer Nature	-
28	Genomic features and pathophysiological impact of a multidrug-resistant <i>Staphylococcus warneri</i> variant in murine mastitis, MN Hoque, GM Faisal, ZC Das, TI Sakif, M Al Mahtab, MA Hossain, MA Mahtab, MA Hossain, T Islam*. (2023). Microbes and Infection , 26: 105285. *Corresponding author	France Elsevier	3.4
29	<i>Insights in microbe and virus interactions with plants</i> : 2022, AN Yadav, T Islam*. (2023). Frontiers in Microbiology , 14: 1327245. *Corresponding author	Switzerland, Frontiers Media S.A	4.0
30	Variability in 2-acetyl-1-pyrroline production and associated mutations in BADH2 gene in aromatic rice cultivars of	Netherlands Elsevier	1.0

	Bangladesh, MU Rayhan, HB Shozib, FMS Azam, T Islam*. (2023). Gene Reports 33: 101847. *Corresponding author		
31	A critical review of sustainable pesticide remediation in contaminated sites: research challenges and mechanistic insights, A Sarker, WS Shin, MA Al Masud, R Nandi, T Islam*. (2023). Environmental Pollution , 341: 122940. *Corresponding author	United Kingdom Elsevier Ltd	7.6
32	Draft genome sequence of a multidrug-resistant <i>Klebsiella pneumoniae</i> fecal isolate from a cow with clinical mastitis, MN Hoque, GM Faisal, Z Moyna, MS Islam, ZC Das, T Islam*. (2023). Microbiology Resource Announcements , 12: e00730-23. *Corresponding author	United States, American Society for Microbiology (ASM)	0.78
33	Drought-responsive genes in tomato: meta-analysis of gene expression using machine learning, RH Chowdhury, FS Eti, R Ahmed, SD Gupta, PK Jhan, T Islam, MAR Bhuiyan, MH Rubel, A Khayer. (2023). Scientific Reports , 13: 19374.	United Kingdom, Nature Portfolio	3.8
34	Some common deleterious mutations are shared in SARS-CoV-2 genomes from deceased COVID-19 patients across continents, MA Islam, AA Marzan, MS Arman, S Shahi, TI Sakif, M Hossain, T Islam*, MN Haque. (2023). Scientific Reports , 13: 18644. *Corresponding author	United Kingdom, Nature Portfolio	3.8
35	Gut and flesh microbiome sequencing of the Bangladesh national fish hilsa (<i>Tenualosa ilisha</i>), T Islam*, MN Hoque. (2023). Microbiology Resource Announcements , 12: e00448-23. *Corresponding author	United States, American Society for Microbiology (ASM)	0.78
36	Decoding the genome of a jackfruit that grows all year round, T Islam*. (2023). TheScienceBreaker , 9. https://doi.org/10.25250/thescbr.brk739 *Corresponding author	United States The Science Breaker	-
37	<i>AaCYPdwf</i> , a new growth regulatory cytochrome p450 gene from <i>Artemisia annua</i> , MU Rayhan, T Islam*, S Kim. (2023). Gene Reports , 32: 101794. *Corresponding author	Netherlands Elsevier	1.0
38	Probiotic Bacteria, Anaerobic Soil Disinfestation, and Mustard Cover Crop Biofumigation Suppress Soilborne Disease and Increase Yield of Strawberry in a Perennial Organic Production System, M Rahman, T Islam, L Jett, J Kotcon. (2023). Plant Disease , 107, 2490-2499.	United States the American Phytopathological Society (APS)	4.0
39	Whole-genome sequence of multidrug-resistant <i>Escherichia coli</i> strains isolated from mice with mastitis, MN Hoque, S Jerin, GM Faisal, ZC Das, T Islam, ANMA Rahman. (2023). Microbiology Resource Announcements , 12: e00320-23.	United States, American Society for Microbiology (ASM)	0.78
40	Improvement of growth, yield and associated bacteriome of rice by the application of probiotic <i>Paraburkholderia</i> and <i>Delftia</i> , T Islam*, MN Hoque, DR Gupta, NU Mahmud, TI Sakif, AG Sharpe. (2023). Frontiers in Microbiology , 14: 1212505*Corresponding author	Switzerland, Frontiers Media S.A	4.019
41	CRISPR enables heritable genome editing in planta, T Islam*, SH Kasfy. (2023). Trends in Genetics , 39: 646-648. *Corresponding author	United Kingdom Elsevier Science London	11.821

42	Horizontal gene transfer from plant to whitefly, T Islam*, RB Azad, SH Kasfy, AA Rahman, TZ Khan. (2023). Trends in Biotechnology , 41: 853-856. *Corresponding author	United Kingdom Elsevier Ltd	21.942
43	Wild plant genetic resources: a hope for tomorrow, M Khan, T Islam*, S Gezgin, F Di Gioia. (2023). Frontiers in Plant Science , 14: 1217547. *Corresponding author	Switzerland Frontiers Media	6.63
44	Biocontrol potential of native isolates of <i>Beauveria bassiana</i> against cotton leafworm <i>Spodoptera litura</i> (Fabricius), SMN Islam, MZH Chowdhury, MF Mim, MB Momtaz, T Islam* (2023). Scientific Reports , 13: 8331. *Corresponding author	United Kingdom, Nature Portfolio	3.8
45	Whole-Genome Sequence of Multidrug-Resistant <i>Klebsiella pneumoniae</i> MNH_G2C5, Isolated from Bovine Clinical Mastitis Milk. MN Hoque, Z Moyna, GM Faisal, ZC Das, T Islam*. (2023). Microbiology Resource Announcements , 12: e00079-23. *Corresponding author	United States, American Society for Microbiology (ASM)	0.78
46	Biological and green remediation of heavy metal contaminated water and soils: A state-of-the-art review, A Sarker, MA Al Masud, DM Deepo, K Das, R Nandi, MWR Ansary, ARMT Islam, T Islam*. (2023). Chemosphere , 332: 138861. *Corresponding author	United Kingdom Elsevier Ltd	8.1
47	Morpho-molecular, cultural and pathological characterization of <i>Athelia rolfsii</i> causing southern blight disease on common bean, SK Paul, DR Gupta, CK Mahapatra, K Rani, T Islam*. (2023). Heliyon , 9: e16136. *Corresponding author	United Kingdom Elsevier	4.0
48	Suppressive Effects of Volatile Compounds from <i>Bacillus</i> spp. on <i>Magnaporthe oryzae</i> <i>Triticum</i> (MoT) Pathotype, Causal Agent of Wheat Blast, MZ Surovy, S Rahman, M Rostás, T Islam, A Von Tiedemann. (2023). Microorganisms , 11: 1291.	Switzerland MDPI (Multidisciplinary Digital Publishing Institute)	4.10
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120	Assessment of heavy metals in the sediments of Chalan beel wetland area in Bangladesh. Mohammad Abdus Salam, Mohammad Ashraful Alam, Sulav Indra Paul, Fatama Islam, Dinesh Chandra Shaha, Mohammad Mizanur Rahman, Mohammad Arifur Rahman Khan, Mohammad Mahbubur Rahman, Abul Kalam Mohammad Aminul Islam, Tofayel Ahamed, Golum Kibria Muhammad Mustafizur Rahman, Mohammad Giashuddin Miah, Abdul Mannan Akanda, Tofazzal Islam (2021) <i>Processes</i> 9 (3): 410.	Switzerland MDPI (Multidisciplinary Digital Publishing Institute)	2.847
121	Consequences and mitigation strategies of abiotic stresses in wheat (<i>Triticum aestivum</i> L.) under the changing climate. Akbar Hossain, Milan Skalicky, Marian Brestic, Sagar Maitra, M. Ashraful Alam, M. A. Syed, Jamil Hossain, Sukamal Sarkar, Saikat Saha, Preetha Bhadra, Tanmoy Shankar, Rajan Bhatt, Apurbo Kumar Chaki, Ayman EL Sabagh, Tofazzal Islam. (2021) <i>Agronomy</i> 11 (2): 241.	Switzerland MDPI (Multidisciplinary Digital Publishing Institute)	3.417
122	Involvement of <i>Enterococcus</i> species in streptococcosis of Nile tilapia in Bangladesh. Tasmina Akter, Md Javed Foysal, Mahbubul Alam, Rakib Ehsan, Sulav Indra Paul, Farhana Momtaz, Muhammad A.B. Siddik, Alfred Chin Yen Tay, Ravi Fotedar, Sanjay Kumar Gupta, Tofazzal Islam, Md Mahbubur Rahman. (2021) <i>Aquaculture</i> 531 : 30 January 2021, 735790.	Netherlands Elsevier	4.242
123	Gene editing in filamentous fungi and oomycetes using CRISPR-Cas technology. Sanjoy Kumar Paul, Tasmina Akter, Tofazzal Islam* (2021) In <i>CRISPR and RNAi Systems</i> , Kamel A. Abd-Elsalam and Ki-Taek Lim eds., Elsevier Inc., https://doi.org/10.1016/B978-0-12-821910-2.00014-X . pp. 723-753. *Corresponding author	Netherlands Elsevier	-
124	Zerovalent Iron Modulates the Influence of Arsenic-Contaminated Soil on Growth, Yield and Grain Quality of Rice. Akter, Sanjida; Rahman, Golum K.M.M.; Hasanuzzaman, Mirza; Alam, Zakaria; Watanabe, Toshihiro; Islam, Tofazzal* (2021) <i>Stresses</i> 1 , no. 2: 90-104. *Corresponding author	Switzerland MDPI (Multidisciplinary Digital Publishing Institute)	-
125	First Report of collar and root rot of faba bean caused by <i>Rhizoctonia solani</i> AG-2-2 IIIB in Bangladesh. S. K. Paul, N.	United States	4.8

	U. Mahmud, A. N. M. Muzahid, and Tofazzal Islam* (2021) Plant Disease 106(3), 1072 *Corresponding author	American Phytopathological Society	
126	First Report of <i>Fusarium sacchari</i> causing sugarcane wilt in Bangladesh. S. K. Paul, N. U. Mahmud, D. R. Gupta, M. N. Alam, M. Chakraborty, and Tofazzal Islam* (2021) Plant Disease 106(1), 319. *Corresponding author	United States. American Phytopathological Society (APS)	4.8
127	First Report of Basal Rot of Dragon Fruit Caused by <i>Fusarium oxysporum</i> in Bangladesh. N. U. Mahmud, M. Chakraborty, S. K. Paul, D. R. Gupta, M. Z. Surovy, Mahfuzur Rahman, and Md. Tofazzal Islam* (2021) Plant Disease 105(1), 218. *Corresponding author	United States. American Phytopathological Society (APS)	4.8
128	Wheat (<i>Triticum aestivum</i> L.) in the rice-wheat systems of South Asia is influenced by terminal heat stress at late sown condition: A case in Bangladesh. Akbar Hossain, Mst. Tanjina Islam and M. Tofazzal Islam (2021). In Plant Stress Physiology , Akbar Hossain ed. IntechOpen, DOI: 10.5772/intechopen.91828	United Kingdom IntechOpen	-
129	Isolation, morphological and biochemical characterization of rhizobacteria from arsenic contaminated paddy soils in Bangladesh: An in vitro study. Hossain, M. M., Rahman, G. K. M. M., Akanda, M. A. M., Solaiman, A. R. M., Islam, M. T. , Rahman, M. M. (2021). Asian Journal of Soil Science and Plant Nutrition 7(2): 41-55.	Germany Springer	-
130	Challenges in medical waste management amid COVID-19 pandemic in a megacity Dhaka. Golam Mahbub Faisal, M. Nazmul Hoque, M. Shaminur Rahman, Tofazzal Islam* (2021) J Adv Biotechnol Exp Ther. 4(1): 106-113. *Corresponding author.	India Scientific Scholar	-
131	Involvement of <i>Enterococcus</i> species in streptococcosis of Nile tilapia in Bangladesh. Tasmina Akter, Md Javed Foysal, Mahbubul Alam, Rakib Ehsan, Sulav Indra Paul, Farhana Momtaz, Muhammad A.B. Siddik, Alfred Chin Yen Tay, Ravi Fotedar, Sanjay Kumar Gupta, Tofazzal Islam , Md Mahbubur Rahman (2021) Aquaculture 531: 2021, 735790,	Netherlands Elsevier	4.242
132	Inhibitory effects of linear lipopeptides from a marine <i>Bacillus subtilis</i> on the wheat blast fungus <i>Magnaporthe oryzae</i> <i>Triticum</i> . Moutoshi Chakraborty, Nur Uddin Mahmud, Dipali Rani Gupta, Fakir Shahidullah Tareq, Hee Jae Shin, Tofazzal Islam* . (2020) Frontiers in Microbiology 11:665. *Corresponding author	Switzerland, Frontiers Media S.A	5.640
134	Mechanism of plant growth promotion and disease suppression by chitosan biopolymer. Moutoshi Chakraborty, Mirza Hasanuzzaman, Mahfuzur Rahman, Md. Arifur Rahman Khan, Pankaj Bhowmik, Nur Uddin Mahmud, Mohsin Tanveer, Tofazzal Islam* (2020). Agriculture 2020, 10(12), 624; *Corresponding author	Netherlands Elsevier	2.925
135	Wheat blast: a new threat to food security. M. Tofazzal Islam* , Dipali Rani Gupta, Akbar Hossain, Krishna K. Roy,	Germany Springer	3.95

	Xinyao He, Muhammad R. Kabir, Pawan K. Singh, Md. Arifur Rahman Khan, Mahfuzur Rahman & Guo-Liang Wang (2020). <i>Phytopathology Research</i> 2: 28. *Corresponding author		
136	Mobilizing Crop Biodiversity. Susan McCouch, Zahra Katy Navabi, Michael Abberton, Noelle L. Anglin, Rosa Lia Barbieri, Michael Baum, Kirstin Bett, Helen Booker, Gerald L. Brown, Glenn J. Bryan, Luigi Cattivelli, David Charest, Kellye Eversole, Marcelo Freitas, Kioumars Ghamkhar, Dario Grattapaglia, Robert Henry, Maria Cleria Valadares Inglis, Tofazzal Islam , Zakaria Kehel, Paul J. Kersey, Graham J. King, Stephen Kresovich, Emily Marden, Sean Mayes, Marie Noelle Ndjondjop, Henry T. Nguyen, Samuel Rezende Paiva, Roberto Papa, Peter W.B. Phillips, Awais Rasheed, Christopher Richards, Mathieu Rouard, Maria Jose Amstalden Sampaio, Uwe Scholz, Paul D. Shaw, Brad Sherman, S. Evan Staton, Nils Stein, Jan Svensson, Mark Tester, Jose Francisco Montenegro Valls, Rajeev Varshney, Stephen Visscher, Eric von Wettberg, Robbie Waugh, Peter Wenzl, Loren H. Rieseberg (2020) <i>Molecular Plant</i> 13(10): 1341-1344.	Netherlands Elsevier	13.164
137	<u>Oligomycins Inhibit <i>Magnaporthe oryzae</i> <i>Triticum</i> and suppress wheat blast disease.</u> Moutoshi Chakraborty, Nur Uddin Mahmud, Abu Naim Md Muzahid, SM Fajle Rabby, Tofazzal Islam* . <i>BioRxiv</i> doi: https://doi.org/10.1101/2020.05.13.094151 *Corresponding author	Cold Spring Harbor Laboratory USA	-
138	Whole-genome sequence of a plant growth-promoting strain, <i>Serratia marcescens</i> BTL07, isolated from the rhizoplane of <i>Capsicum annuum</i> L. Sudipta Dutta, Amena Khatun, Dipali Rani Gupta, Musrat Zahan Surovy, M Mahbubur Rahman, Nur Uddin Mahmud, Richard D Emes, Andrew Warry, Helen M West, Michèle L Clarke, M Nazmul Hoque, Muhammad Maqsood Hossain, Mohammad Abdus Salam, M Tofazzal Islam* . <i>Microbiol Resour Announc</i> 9: e01484-19. *Corresponding author	United States American Society for Microbiology (ASM)	0.78
139	Modulation of nutritional and biochemical properties of wheat grains infected by the blast fungus <i>Magnaporthe oryzae</i> <i>Triticum</i> pathotype. Musrat Zahan Surovy, Dipali Rani Gupta, Nur Uddin Mahmud, Pallab Bhattacharjee, Md Shaid Hossain, Md Mehebub, Mosaddiq Rahaman Rahi, Bhaskar Chandra Majumdar, Tofazzal Islam* . <i>Frontiers in Microbiology</i> 11:1174. *Corresponding author	Switzerland, Frontiers Media S.A	5.640
140	Whole-genome sequence of fish-pathogenic <i>Enterococcus faecalis</i> strain BFFF11. Tasmina Akter, M. Mahbubur Rahman, Alfred Chin Yen Tay, Rakib Ehsan, M. Tofazzal Islam. <i>Microbiology Resource Announcement</i> 9: e01447-19.	United States American Society for Microbiology (ASM)	0.78
141	Suitable methods for isolation, culture, storage and identification of wheat blast fungus <i>Magnaporthe oryzae</i> <i>Triticum</i> pathotype. Dipali Rani Gupta, Musrat Zahan Surovy,	Germany Springer Nature	3.95

	Nur Uddin Mahmud, Moutoshi Chakraborty, Sanjoy Kumar Paul, Md. Shaid Hossain, Pallab Bhattacharjee, Md. Shabab Mehebab, Kanistha Rani, Rumana Yeasmin, Mahfuzur Rahman and Md Tofazzal Islam* (2020) <i>Phytopathology Research</i> 2: 30. *Corresponding author		
142	Nitrogen Use Efficiency in Rice under Abiotic Stress: Plant Breeding Approach. Satyen Mondal, Jamil Hasan, Priya Lal Biswas, Emam Ahmed, Tuhin Halder, Md. Panna Ali, Amina Khatun, Muhammad Nasim, Tofazzal Islam, Evangelina S. Ella and Endang M. Septiningsih (October 15th 2020). IntechOpen, DOI: 10.5772/intechopen.94038.	United Kingdom IntechOpen	-
143	Tackling the COVID-19 pandemic: The Bangladesh perspective. Md Taimur Islam, Anup Kumar Talukder, Md Nurealam Siddiqui, Tofazzal Islam (2020) <i>J Public Health Res.</i> 9(4):1794. doi: 10.4081/jphr.2020.1794.	Italy PagePress	-
145	Application of <i>Gliricidia sepium</i> tree leaves and nitrogen fertilizer to improve tomato production and soil properties. S. S. Keya, M. G. Miah, M. A. Rahman and M. Tofazzal Islam (2020) <i>Annals of Bangladesh Agriculture</i> 24 (1): 77-87.	Bangladesh Bangladesh Agricultural Research Council	-
146	Whole-genome sequence of <i>Bacillus subtilis</i> WS1A, a promising fish probiotic strain isolated from marine sponge of the Bay of Bengal. M. Mahbubur Rahman, Sulav Indra Paul, Tasmina Akter, Alfred Chin Yen Tay, M. Javed Foysal, M. Tofazzal Islam (2020) <i>Microbiology Resource Announcement</i> 9: e00641-20.	United States American Society for Microbiology (ASM)	0.78
147	Genomic diversity and evolution, diagnosis, prevention, and therapeutics of the pandemic COVID-19 disease. M. Nazmul Hoque, Abed Chaudhury, Md Abdul Mannan Akanda, M. Anwar Hossain, Md Tofazzal Islam* (2020) <i>PeerJ</i> 8: e9689 *Corresponding author	United States PeerJ, Inc	2.984
148	Oligomycins inhibit <i>Magnaporthe oryzae</i> <i>Triticum</i> and suppress wheat blast disease. Chakraborty M, Mahmud NU, Muzahid ANM, Rabby SMF, Islam T* (2020) <i>PLoS ONE</i> 15(8): e0233665. *Corresponding author	United States, PLOS (Public Library of Science)	3.240
149	First Report of Basal Rot of Dragon Fruit Caused by <i>Fusarium oxysporum</i> in Bangladesh. N. U. Mahmud, M. Chakraborty, S. K. Paul, D. R. Gupta, M. Z. Surovy, Mahfuzur Rahman, and Md. Tofazzal Islam* (2020). <i>Plant Disease</i> , 105(1), 218. *Corresponding author	United States American Phytopathological Society (APS)	4.438
150	Revisiting the plant growth-promoting rhizobacteria: lessons from the past and objectives for the future. Abhinav Aeron, Ekta Khare, Chaitanya Kumar Jha, Vijay Singh Meena, Shadia Mohammed Abdel Aziz, Mohammed Tofazzal Islam , Kangmin Kim, Sunita Kumari Meena, Arunava Pattanayak, Hosahatti Rajashekara, Ramesh Chandra Dubey, Bihari Ram Maurya, Dinesh Kumar Maheshwari, Meenu Saraf, Mahipal Choudhary, Rajhans Verma, H. N. Meena, A. R. N. S. Subbanna, Manoj Parihar, Shruti Shukla, Govarthanan Muthusamy, Ram Swaroop Bana, Vivek K. Bajpai, Young-	Germany Springer	2.552

	Kyu Han, Mahfuzur Rahman, Dileep Kumar, Norang Pal Singh & Rajesh Kumar Meena (2020) <i>Archives of Microbiology</i> 202 : 665–676.		
151	Wheat (<i>Triticum aestivum</i> L.) in the Rice-Wheat Systems of South Asia Is Influenced by Terminal Heat Stress at Late Sown Condition: A Case in Bangladesh (2020) Akbar Hossain, Mst. Tanjina Islam and M. Tofazzal Islam (2020). In: <i>Plant Stress Physiology</i> , IntechOpen, DOI: 10.5772/intechopen.91828	United Kingdom IntechOpen	-
152	Application of Nanotechnology for Sustainable Crop Production Systems. Hossain A., Kerry R.G., Farooq M., Abdullah N., Tofazzal Islam M. (2020) In: Thangadurai D., Sangeetha J., Prasad R. (eds) <i>Nanotechnology for Food, Agriculture, and Environment. Nanotechnology in the Life Sciences</i> . Springer, Cham. pp. 135-159.	Germany Springer	-
153	Nutrient Management for Improving Abiotic Stress Tolerance in Legumes of the Family Fabaceae. Akbar Hossain, Ayman EL Sabagh, Murat Erman, Shah Fahad, Tofazzal Islam , Rajan Bhatt, Mirza Hasanuzzaman (2020) In: <i>The Plant Family Fabaceae</i> , Hasanuzzaman M., Araújo S., Gill S. (eds). Springer, Singapore, pp. 393-415.	Singapore Springer	-
156	CRISPR-Cas9-Mediated Gene Editing in Wheat: A Step-by-Step Protocol. Pankaj K Bhowmik, M Tofazzal Islam (2020) In: <i>CRISPR-Cas Methods</i> , M. Tofazzal Islam et al. eds. Springer Protocols Handbooks . Humana, New York, NY. pp. 203-222.	Germany Springer	-
157	Wide Horizons of CRISPR-Cas-Derived Technologies for Basic Biology, Agriculture, and Medicine. Kutubuddin A Molla, Subhasis Karmakar, M Tofazzal Islam (2020) In: <i>CRISPR-Cas Methods</i> , M. Tofazzal Islam et al. eds. Springer Protocols Handbooks . Humana, New York, NY. pp. 1-23.	Germany Springer	-
158	Morphological, Physiobiochemical and Molecular Adaptability of Legumes of Fabaceae to Drought Stress, with Special Reference to <i>Medicago Sativa</i> L. Akbar Hossain, Muhammad Farooq, Ayman EL Sabagh, Mirza Hasanuzzaman, Murat Erman, Tofazzal Islam (2020) In: <i>The Plant Family Fabaceae</i> , Hasanuzzaman M., Araújo S., Gill S. (eds). Springer, Singapore, pp. 289-317.	Singapore Springer	-
159	Plant health emergencies demand open science: Tackling a cereal killer on the run. Kamoun S, Talbot NJ, Islam MT. (2019) <i>PLoS Biology</i> 17 (6): e3000302.	United States Public Library of Science (PLOS)	8.029
160	Molecular identification of <i>Vibrio alginolyticus</i> causing vibriosis in shrimp and its herbal remedy. Md Abdul Hannan, Md Mahbubur Rahman, Md Nurunnabi Mondal, DEB SUZAN CHANDRA, Gazlima Chowdhury, Md Tofazzal Islam. (2019) <i>Polish Journal of Microbiology</i> 68 (4): 429-438.	Poland Polish Society of Microbiologists	1.280
161	Cytotoxic and anti-inflammatory resorcinol and alkylbenzoquinone derivatives from the leaves of <i>Ardisia</i>	Germany	1.649

	<i>sieboldii</i> . Md Shahinozzaman, Takahiro Ishii, Mohammad A Halim, Md Amzad Hossain, Md Tofazzal Islam , Shinkichi Tawata. <i>Zeitschrift für Naturforschung C</i> 74 (11-12): 303-311.	Verlag der Zeitschrift für Naturforschung	
162	<i>Rmg8</i> confers resistance to the Bangladeshi lineage of the wheat blast fungus. Jensen, C., Tosa, Y., Islam, M.T., Talbot, N.J., Kamoun, S., and Saunders, D.G.O. 2019. Zenodo , http://doi.org/10.5281/zenodo.2574196 .	Switzerland CERN (European Organization for Nuclear Research)	-
163	First report of dragon fruit stem canker caused by <i>Lasiodiplodia theobromae</i> in Bangladesh. Preangka Saha Briste, MAB Bhuiyan, Abdul Mannan Akanda, Oliul Hassan, Nur Uddin Mahmud, Md Abdul Kader, Taehyun Chang, Md. Tofazzal Islam* (2018) Plant Disease , Published Online: 23 May 2019 103(10) *Corresponding author	USA American Phytopathological Society	4.438
164	Wheat blast in Bangladesh: the current situation and future impacts. M. Tofazzal Islam*, Kwang-Hyung Kim, and Jaehyuk Choi (2019) Plant Pathology Journal 35(1): 1–10. *Corresponding author	Korea Korean Phytopathological Society	1.795
165	<i>Pyricularia graminis-tritici</i> is not the correct species name for the wheat blast fungus: Response to Ceresini et al. (this issue). Barbara Valent, Mark Farman, Yukio Tosa, Dominik Begerow, Elisabeth Fournier, Pierre Gladieux, M. Tofazzal Islam, Sophien Kamoun, Martin Kemler, Linda M. Kohn, Marc-Henri Lebrun, Jason Stajich, Nicholas J. Talbot, Ryohei Terauchi, Didier Tharreau, Ning Zhang (2019). <i>Molecular Plant Pathology</i> 20(2): 173–179.	Germany Springer Nature	5.663
167	Cautionary notes on use of the MoT3 diagnostic assay for Magnaporthe oryzae wheat and rice blast isolates. Dipali Rani Gupta, Claudia Sarai Reyes Avila, Joe Win, Darren M. Soanes, Lauren S. Ryder, Daniel Croll, Pallab Bhattacharjee, Md. Shaid Hossain, Nur Uddin Mahmud, Md. Shabab Mehbub, Musrat Zahan Surovy, Md Mahbubur Rahman, Nicholas J. Talbot, Sophien Kamoun, M. Tofazzal Islam* (2019). Phytopathology 109(4): 504-508. *Corresponding author	USA American Phytopathological Society	4.025

Patent

Biomass Processing Technology (2017) Md. Tofazzal Islam, Yusuke Yamauchi, Kevin Chia-Wen Wu, and Md Shahriar Al Hossain, Bangladesh Patent Application No. P/BD/2017/000120.

Membership and Activities in Professional Organization

1. *Member*, American Society for Microbiology, USA
2. *Member*, American Association for the Advancement of Sciences, USA
3. *Member*, American Phytopathological Society (APS), USA.
4. *Member*, National Core Committee for Agricultural Biotechnology, Bangladesh
5. *Life Member*, Bangladesh Chemical Society, Bangladesh
6. *Vice-President*, Bangladesh Nano Society
7. *Member*, DAAD MS and Ph D Scholarship Selection Committee, Dhaka, Bangladesh
8. *General Secretary (2011-2013) & Life Member*, The Association of Humboldt Fellows Bangladesh.
9. *General Secretary (2011-2013) & Life Member*, The JSPS Alumni Association, Bangladesh.
10. *Life Member*, Japanese University Alumni Association, Bangladesh.
11. *Member*, Japan Society for Bioscience, Biotechnology and Agrochemistry (JSBBA), Tokyo, Japan
12. *Member*, International Allelopathy Society (IAS), India
13. *Member*, International Organization for Biological and Integrated Control of Noxious Animals and Plants (IOBC), France
14. *Member*, Bangladesh Association for the Advancement of Sciences (BAAS), Dhaka, Bangladesh
15. *Life Member*, Bangladesh Krishibid Institution, Dhaka, Bangladesh
16. *Member*, Asiatic Society Bangladesh
17. *Head*, Media Department, Global Network for Bangladeshi Biotechnologists (GNOBB)
18. *Member*, Board of Governors (BOG, highest authority of BOU), Bangladesh Open University (BOU), 1997-1998.
19. *Member*, Bangladesh Federation of University Teachers Association in 1995-1996.

Some Selected Recent Invited Talks in Workshop, Seminar, Symposia and Conference

1. Delivered a keynote lecture on **Emerging and Re-emerging Diseases in Plants and their Detection and Mitigation**. Annual Biorisk Conference 2025, May 16-17, Rangamati Science and Technology University, Rangamati, Bangladesh.
2. Delivered a Keynote Lecture on **Commercialization of Agricultural Biotechnology Innovations for Food and Nutritional Security of Bangladesh** in the Annual Workshop

of the Association of Humboldt Fellows Bangladesh, May 10, 2025 at Bangladesh Open University, Gazipur, Bangladesh.

3. Delivered an invited webinar talk on **Breadbasket in Peril: Strategies to combat wheat blast for food security** on August 30, 2024 organized by Commonwealth Scholarship Commission, UK
4. Delivered a keynote lecture titled **Genomics and Genome Editing** on August 20, 2024 in the training workshop on basic microbiological study by scientists of Soil Resource Development Institute, Dhaka, Bangladesh
5. Delivered an invited talk on **Strategies to Combat Wheat Blast for Food Security** at South China Agricultural University in Guangzhou, China on August 8, 2024.
6. Invited to deliver a talk on '**Point-of-care diagnosis and molecular breeding for tackling wheat blast disease**' in the Asian Plant Pathology Conference (ACPP) 2024 from 3-7 August 2024, Chanchun, China.
7. Delivered training on **Molecular Breeding and Diagnosis of Wheat Blast** to the wheat scientists in the International Training on **Disease Screening and Surveillance of Wheat Blast in Zambia** on 3-13 March 2024.
8. Delivered a seminar lecture on **Cracking the Wheat Killer Code: Genomics and Genome Editing Strategies to Tackle Wheat Blast Fungus** in the Inter Genomics Seminar at Kobe University in Japan on January 26, 2024.
9. Delivered the opening plenary talk on **Wheat blast: an emerging threat to global food security** in the International Society for Molecular Plant-Microbe Interaction Congress 2023 at Providence in Rhode Island on July 16-20, USA.
10. Delivered a keynote lecture on **A CRISPR-based later flow assay is a point-of-care diagnostic method for wheat blast fungus** in the International Congress of Plant Pathology in 20-25 August 2023, Lyon, France.
11. Delivered an invited keynote lecture (online) on **Wheat blast: a potentially catastrophic disease threatening global food security** organized by Wheat Initiative, Germany, on February 16, 2023.
12. Invited to deliver a seminar lecture on "**Wheat blast: a new threat to global food a nutritional security**" at TEMASEK, National University of Singapore on September 1, 2022.
13. International Conference Lecture: Tofazzal Islam (2022) Development of durable blast-resistant wheat through molecular and mutation breeding: progress and challenges. In: Plant Breeding Innovation Showcase, May 30, 2022. Lecture video link at <https://www.youtube.com/watch?v=7Q3F32sGJwU>



14. International Conference Lecture: Impacts of Climate Change on Epidemic of Wheat Blast Disease in Asia and Its Threat to Global Food and Nutritional Security in South Asia. In the International Conference on Climate Change and Food Security in South Asia, 19-20 May, 2022.
15. Invited to deliver a talk on "Wheat blast: an emerging threat to global food and nutritional security" in Interchange21 organized by Commonwealth Scholarship Commission, UK on 8 March 2021.
16. Invited to deliver a plenary talk on "Novel approaches to mitigate the fearsome wheat blast in Bangladesh and beyond" in the 8th International Rice Blast Conference in Chengdu, China on May 27-31, 2019.
17. Invited to deliver a talk on "International Collaboration, Open Science and Open Data Sharing to Manage Worrisome Wheat Blast in South Asia by Genomics and Genome Editing Approaches" in 6th South Asia Biosafety Conference, 15-17 September 2018, Westin Hotel, Dhaka, Bangladesh
18. Invited to deliver a lecture on "CRISPR/Cas9 genome editing technology and it's potential for improvement of crop plants" in a training workshop on CRISPR/Cas9 Genome Editing for Crop Improvement, July 15, 2018 at Bangabandhu Sheikh Mujibur Rahman Agricultural University, Bangladesh.
19. Invited to deliver a keynote lecture on "Open Science and International Collaboration to Tackle the Fearsome Wheat Blast in Asia and Beyond" in the International Congress of Plant Pathology (ICPP2018) on August 3, 2018, Boston, USA
20. Invited to deliver a seminar lecture on "Bioactive Natural Products for Managing Plant Diseases" at Crop Bioprotection Research, United States Department of Agriculture, Agricultural Research Service, Peoria on April 30, 2018, Illinois, USA.
21. Invited to deliver a Fulbright Outreach Lecture on "Novel genomic and genome editing approaches for detection and mitigation of fearsome wheat blast in Bangladesh and beyond" at Department of Plant Sciences of North Dakota State University on April 20, 2018, Fargo, North Dakota, USA.
22. Invited to deliver a Fulbright Outreach Lecture on "Understanding molecular cross-talks between plants and probiotic bacteria for sustainable protection and nutrition of crop plants" at Biosciences Department of University of Minnesota on April 20, 2018, Moorhead, Minnesota, USA.
23. Invited to deliver a Fulbright Outreach Lecture "My journey of unknowns in an emerging tiger (Bangladesh) in South Asia" at North High School on April 20, 2018, Fargo, North Dakota, USA.
24. Invited to deliver a seminar lecture on "Plant Probiotic Bacteria as Living Tools for Protection and Nutrition of Crop Plants" at AgBiome on April 12, 2018 in Research Triangle Park, Raleigh, North Carolina, USA



25. Invited to deliver a Fulbright Outreach Lecture "Plant Probiotics as Sustainable Tools for Nutrition and Protection of Plants" at Department of Horticulture, University of Georgia, Athens on April 11, 2018, Athens, Georgia, USA.
26. Invited to deliver a Fulbright Outreach "Novel bioactive natural products for sustainable management of plant diseases and bioprospecting" at Speciality Plant Biotechnology Research, Fort Valley State University on April 10, 2018, Fort Valley, Georgia, USA
27. Invited to deliver a Special Seminar Lecture "Novel Genomic Approaches for Detection and Mitigation of Worrisome Wheat Blast in South Asia" at Institute of Plant Breeding, Genetics and Genomics, University of Georgia, Athens on April 9, 2018, Athens, Georgia, USA.
28. Participated and delivered a symposium talk on "A new pathotype of *Magnaporthe oryzae* causing devastating wheat blast disease in multiple continents" in American Phytopathological Society (APS) Potomac Division Annual Meeting 2018, 20-23 March, Ocean City, Maryland, USA.
29. Delivered an invited Fulbright Outreach Lecture on "Plant Probiotic Bacteria as Tools for Biorational Management of Phytopathogens" at Department of Plant and Environmental Protection Sciences, College of Tropical Agriculture and Human Resources, University of Hawaii Manoa on March 12, 2018, Hawaii, USA.
30. Invited to deliver a Fulbright Outreach Lecture on "Genomic analysis and open data sharing for understanding biology and mitigation of worrisome wheat blast in Bangladesh and Asia" at Department of Plant and Environmental Protection Sciences, College of Tropical Agriculture and Human Resources, University of Hawaii Manoa on March 9, 2018, Hawaii, USA.
31. Participated in the National Plant Diagnostic Network Bioinformatic Workshop held on 5-7 March 2018 at USDA Laboratory in Beltsville, MD, USA.
32. Invited to deliver a talk on "Integrated Management of Black Root Rot Complex and Crown Rots of Strawberry" in 2018 Mid-Atlantic Fruit and Vegetable Convention, on January 30 to February 1, 2018 at Harshey Lodge, Harrisburg, Pennsylvania, USA.
33. Invited by the Federal Foreign Ministry of Germany to participate in a Study and Research visit to Germany from November 12-18, 2017.
34. Invited to present a country report titled "Emerging fungal diseases in crop plant and their management for food and nutritional security of Bangladesh" in the Asian Plant Pathology Conference in Jeju Island in South Korea on September 12-16, 2017.
35. Invited to deliver a keynote lecture titled "International collaboration for understanding biology and sustainable management of fearsome wheat blast fungus *Magnaporthe oryzae*" in the South Asian Biotechnology Conference, Kathmandu, Nepal on March 16-18, 2017.
36. Invited to participate in the 'UK Research Councils Global Challenges Research Fund Animal and Plant Health Workshop' held in London on July 6-7, 2017.



37. Invited to deliver a lecture on "Discovery of plant probiotic bacteria from native environment and their biotechnological applications for sustainable crop production and bioprospecting" in the International Conference on Sustainable Development 2017 at United International University on February 16-18, 2017, Dhanmondi, Dhaka.
38. Invited to deliver a seminar lecture on 'Novel bioactive secondary metabolites for biorational management of peronosporomycete phytopathogens' at Nagoya University, Japan on July 6, 2015.
39. Invited to deliver a public lecture on 'Discovery of bioactive secondary metabolites from marine and terrestrial organisms' at Institute of Biological Sciences (IBS) of University Putra Malaysia, 17 May, 2015.
40. Invited to deliver a seminar lecture on "Novel bioactive natural products from marine *Streptomyces* species" on May 29, 2013 at School of Biological and Chemical Sciences, Queen Mary University of London, UK.
41. Delivered a talk in the 12th Int. Conference on Oomycete Genomics and Genetics Network, May 25-28, 2012, Nanjing, China
42. Invited to deliver a plenary lecture on "Biotechnology for food security, sound health and clean environment" on February 24 & 25, 2012 in Int. Symp. on "Sci. for Soc." organized by Bangladesh JSPS Alumni Association, BARC auditorium, Dhaka, Bangladesh.
43. Invited to deliver a talk on „Ecological chemistry of peronosporomycete zoospores“ on March 29, 2011 at Department of Plant Pathology, Nanjing Agricultural University, Nanjing, China.
44. Invited to deliver a talk on „Signaling and interactions between plant and rhizosphere microorganisms' on March 23, 2011 at Research Center of Eco-environmental Sciences (RCEES), Chinese Academy of Science, Beijing, China.
45. Invited to deliver a talk on „Biocontrol of oomycete phytopathogens by rhizobacteria: principle and mechanism of action' on March 22, 2011 at Institute of Tropical Agriculture, University Putra Malaysia, Kuala Lumpur, Malaysia.
46. Invited to deliver a talk on „Rhizosphere microorganisms and their interactions with plants' on March 21, 2011 at University of Nottingham Malaysia Campus, Kuala Lumpur, Malaysia.
47. Invited to deliver a talk on „Ecochemical interactions between plants and rhizosphere microorganisms' on March 15, 2011 at University of Nottingham, UK sponsored by INSPIRE program under the British Council, UK.
48. Delivered a symposium talk entitled "Ecochemical interactions between plants and zoospores of the phytopathogenic Oomycete *Aphanomyces cochlioides*" after receiving the Best Young Scientist Award 2003 from Japan Society for Bioscience, Biotechnology, and Agrochemistry (JSBBA), November 7, 2003, Hokkaido, Japan.

Details on Third Party Funding/Grants Received by Prof. M. Tofazzal Islam



Current major projects

1. Wheat disease early warning system (DEWAS)-Wheat blast diagnostic (PI). Year 2023-2026. Funded by Bill & Melinda Gates Foundation and FCDO (UK).

Total grants: US\$ 150,000.00 (approx.)

2. Development of a formulation for biological control of wheat blast using plant probiotic bacilli" (PI). Year 2023-2026 funded by the BAS-USDA.

Total grants: BDT 70 lac (approx.)

3. Marker-based selection for the development of durable blast resistant wheat variety using *Rmg8* and *RmgGR119* introgressed advanced wheat lines (PI). Year 2023-2026. Funded by Research Management Wing of BSMRAU.

Total grants: US\$ 15000.00 (approx.)

4. A sub-project of OFANS project titled "Characterization of a core wheat biodiversity collection for wheat blast resistance" (PI). Year 2021-2025. Funded by Krishi Gobeshona Foundation.

Total grants: BDT 60 lac (approx.)

Successfully completed projects

1. Development of blast resistant wheat variety through introgression of *Rmg8* and *RmgGR119* genes into the local wheat varieties of Bangladesh (**PI**). Year: 2020-2023. Funded by Research Management Committee, BSMRAU, Gazipur, Bangladesh

Total grants: US\$ 10408.28 (approx.)

2. A five-year (2018-2023) project titled "Development of Novel Blast Resistant Wheat Varieties for Bangladesh by Mutation Breeding (**PI**)" funded by International Atomic Energy Agency, Vienna, Austria & FAO, Rome, Italy.

Total grants: Euro 44,000.00.

3. A three-year (2018-2021) Project on "Molecular diagnosis, genome epidemiology, biocontrol, and development of durable blast resistant wheat by genome editing (**PI**)" funded by Krishi Gobeshona Foundation (KGF), Dhaka, Bangladesh.

Total grants: US\$ 177,500.00 (BDT 1,42,00,000/-).

4. Strengthening capacity and establishment of Institute of Biotechnology and Genetic Engineering (IBGE) at BSMRAU. Funds allocated from the Ministry of Planning and



Development of the government of Bangladesh for IBGE for the session (2017-2021).

Total grants for IBGE: US\$ 1250,000/- (BDT 10,000,000/-).

5. Development of novel blast resistant wheat varieties for Bangladesh by genome editing (2019-2020). The GCRF Foundation Award for Global Agricultural and Food Systems Research, BBSRC, UK. This is a collaborative project of Prof. Nicolas Talbot (Exeter University, UK), Prof. Sophien Kamoun (The Sainsbury University, UK), Dr. Emaa Wellington (National Institute of Agricultural Biotechnology, UK) and Prof. Md Tofazzal Islam (BSMRAU, Bangladesh). Total grants: US\$ 864,000/-

6. Reduction of fertilizer use in rice by probiotic bacteria and elucidation of molecular mechanism of rice and bacterial interactions (**PI**). A Bangladesh Academy of Science – USDA funded project (2018-2020). Total grants: US\$ 35,000/-

7. Supplementary Project on Enrichment of facilities for high quality research and education in biotechnology, Department of Biotechnology of Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh (**PI**). A 3-year sub-project (2017-2018) under the Higher Education Quality Enhancement Project of University Grants Commission of Bangladesh funded by the World Bank. Total grants: US\$ 119,000.00 (BDT 9500,000/-).

8. Biological control of wheat blast pathogen by plant probiotic bacteria (**PI**). A one-year project (January 2017 to December 2017) from the University Grants Commission of Bangladesh, Dhaka. Total grants: US\$ 3,750/-

9. Morphological and molecular characterization of the isolates of wheat blast fungus *Magnaporthe oryzae* *Triticum* pathotype in Bangladesh (**PI**). A one-year project (2017) funded by the Ministry of Science and Technology of the government of Bangladesh. Total grants: US\$ 4,050/-

10. Development of a convenient molecular diagnostic tool for detection of anthracnose pathogen in asymptomatic strawberry plants and foliage (**PI**). A nine-month (September 2017 to June 2018) project from the Fulbright Foundation, West Virginia University, WV, USA. Total grants: US\$ 31,050/-

11. Enrichment of facilities for high quality research and education in biotechnology, Department of Biotechnology of Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh (**PI**). A 3-year sub-project (2012-2015) under the Higher Education Quality Enhancement Project of University Grants Commission of Bangladesh funded by the World Bank. Total grants: US\$ 330,000.00 (BDT 2,6400,000/-).

12. Renewable energy from animal wastes: Benefits to agriculture and society. A 3-year project (January 2014-December 2016) (**PI**) in collaboration with University of Nottingham, UK funded by INSPIRE program Round-4 of the British Council, UK. Total grants: US\$ 58,000.00 (approx.)

13. Improving sustainability of strawberry production in Bangladesh through adopting low cost management methods and value added products by small-holder producers (**PI**). A 2-year project (2013-2015) in collaboration with West Virginia University, USA funded by USDA. Total grants: US\$ 44,000.00



- 14.** Evaluation of plant probiotics in phosphorus nutrition in rice (**PI**). A 12-month project (July 2013 to June 2014) funded by Research Management Committee of Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh. Total grants: US\$ 1,250.00 (approx.)
- 15.** Discovery of biofunctional bacteria and their usage in sustainable agriculture. A 12-month project (**PI**) (June 2013 to July 2014) funded by the Ministry of Science & ICT, Government of the People's Republic of Bangladesh. Total grants: US\$ 3,750.00 (approx.)
- 16.** Adaptation to climate change: food security, water resources and rural resilience in western Bangladesh (**PI**). A 3-year project (2010-2013) in collaboration with University of Nottingham, UK funded by INSPIRE program of the British Council, UK. Total grants: US\$ 70,000.00 (approx.)
- 17.** Discovery of biofunctional environmental bacteria and their usage in agriculture (**PI**). A 12-month project (July 2012 to June 2013) funded by Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh. Total grants: US\$ 1,562 (approx.)
- 18.** Herbal medicinal plant extracts as biopesticides against lateblight pathogen *Phytophthora capsici* (**PI**). A 12-month project (July 2011 to June 2012) funded by Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh. Total grants: US\$ 1,700 (approx.)
- 19.** Impacts of climate change on microbial diversity in the mangrove forest, Sundarbans in Bangladesh (**PI**). A 3-month (March 2013 to May 2013) project, which was funded by the Commonwealth Scholarship Commission and University of Nottingham, United Kingdom. Total grants: £ 15,544.00 (approx.) (including monthly fellowship)
- 20.** Biological control of soilborne oomycete phytopathogens (**PI**). A 12-month project (January to December 2011) funded by Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh. Total grants: US\$ 1,500 (approx.)
- 21.** Plant growth promoting microorganisms and their usage in low input sustainable agriculture (**PI**). A 12-month project (June 2010 to July 2011) funded by Ministry of Science & ICT, Government of the People's Republic of Bangladesh. Total grants: US\$ 9,500 (approx.)
- 22.** Signal transduction mechanisms of motility and differentiation of peronosporomycete zoospores (**PI**). A 24-month (April 2007 to March 2009) project was funded by the Alexander von Humboldt Foundation, Germany. Total grants: US\$ 128,744.00 (approx.) (including monthly fellowship of Georg Forster Research Fellowship)
- 23.** Signalling systems between root and rhizoplane microorganisms and their agricultural usage (**PI**). A 24-month (April 2003 to March 2005) project was funded by Japan Society for the Promotion of Science (JSPS), Tokyo, Japan. Total grants: US\$ 91,663.00 (approx.) (including monthly fellowship/salary)
- 24.** Regulation of motility, taxis, viability and differentiation of zoospores of oomycete phytopathogens by host and nonhost plant secondary metabolites. Five-year project (5 years) (October 1997 to September 2002) co-funded by Ministry of Science, Technology, Sports and Culture (Monbukagakusho) and the Core Research for Evolutionary Science and Technology (CREST) of Japan from 1997-2002. Total grants: US\$ 152,000 (approx.) (including monthly scholarship).



Courses Offered

Undergraduate

BTL410: Introductory Biotechnology and Genetic Engineering, GEB 105: Cell Biology II
GEB 310: Plant Physiology, GEB 306: Environmental Biotechnology, GEB 403: Plant and Animal
Tissue Culture, GEB 425: Plant Developmental Biotechnology

Graduate (MS & Ph D level)

BTL 610: Molecular Biology of Cell, BTL 605: Genetic Engineering, BTL 527: Introduction to
Ecological Chemistry, BTL 530: Bioactive Natural Products, BTL 532: Environmental
Biotechnology and Biosafety, BTL/ PLP 540: General Microbiology, BTL 603: Nanobiotechnology,
BTL 604: Bioinformatics

Number of MS and Ph D Student Supervised

Masters: 52 (completed) and 8 (running)

Ph D (Doctoral): 6 (completed), and 8 (running).

Post-doc Researcher: 2 (running) and 6 completed.

Important Administrative, academic and other position (leadership)

- Director, Institute of Biotechnology and Genetic Engineering, BSMRAU (April 2019 to date).
- Director (International Affairs) (June to November 2017 & May to August 2024), BSMRAU, Gazipur, Bangladesh
- Director (Outreach activity), (July 2014 to June 2015), BSMRAU, Gazipur, Bangladesh
- *Member*, Syndicate of Sylhet Agricultural University (2014-2016)
- *Member*, National Technical Committee for Crop Biotechnology, Bangladesh
- *Member*, Academic Council (2012-2017), Hajee Danesh Science & Technology University, Dinajpur
- *Member*, Academic Council, BSMRAU
- *Member*, Planning and Development Committee, BSMRAU
- *Member*, Board of Governors (BOG, highest authority of BOU), Bangladesh Open University (BOU), 1997-1998.
- *Member*, Academic Council, BOU (2004-2010).
- *Dean* (in charge), School of Agriculture and Rural Development, BOU.
- *General Secretary*, Executive Committee of Bangladesh Open University Teachers Association (BOUTA), 1995-1996.



- *Member*, Bangladesh Federation of University Teachers Association in 1995-1996.
- *Member*, Executive Committee of BOUTA in 1996-1997, 2002-2003, 2010-2011.
- *Head* (July 2010 to date), Department of Biotechnology, BSMRAU, Gazipur, Bangladesh.
- *Member* (July 2010 to date), Academic Council, BSMRAU, Gazipur, Bangladesh.
- *Treasurer*, Bangladesh Federation of University Teachers Association in 2011-2012.

Involvement of members of organizing/program committees of international conferences

1. Organized Online International Biotech Symposium on 9-13 March 2021 as Secretary of the Organizing Committee, Dhaka, Bangladesh
2. Organized a concurrent session on "Wheat Blast – Developing Strategies for Assessing and Managing a Global Threat on the Move" in the ICPP2018 to be held on July 29 to August 3, 2018, Boston, USA.
3. Chaired a session in the South Asian Biotechnology Conference 2017 in Kathmanadu, Nepal.
4. Symposium Organizing Secretary, 4th International Symposium of BJSPSAA on "Global Climate Change – Impacts, Vulnerability, and Adaptation", December 1, 2012, Dhaka, Bangladesh.
5. Symposium Organizing Secretary, Symposium of Association of Alexander von Humboldt Fellows Bangladesh on "Biotechnology and Food Security", September 20, 2012, BSMRAU, Gazipur, Bangladesh.
6. Convener, Publication and Publicity Committee, International Workshop on Nanotechnology, 21-23 September 2012, Dhaka, Bangladesh.
7. Chaired the first technical session of the TWAS-ROSEAP Symposium on Industrial Biotechnology, 26-30 August, 2011, Beijing, China
8. Chaired a session in the Centennial Meeting of the American Phytopathological Society, USA held on July 26-30, 2008 Minneapolis, USA

International Major Collaborators (Total 750 co-authors from 5 continents)

Prof. Sophien Kamoun, FRS, and Prof. Nick Talbot, FRS, FRSB, The Sainsbury Laboratory, Norwich (UK); Prof. Guo-Liang Wang, FAPS, FAAAS, Ohio State University, USA; Dr. Mahfuzur Rahman, West Virginia University (USA); Prof. Andreas von Tiedemann and Prof. Hartmut Laatsch, University of Goettingen (Germany); Prof. Yukio Tosa, Kobe University (Japan); Prof. Shinya Oba, Gifu University (Japan), Prof. Robert Wick, Massachusetts University (USA); Prof. Helen M. West, University of Nottingham (U.K.); Prof. Yusuyuke Yamauchi, University of Queensland (Australia), Dr. Jae Hee Shin, Korea Institute of Ocean Science (Korea); Prof. Z. Kaijun, Chinese Academy of

Science (China); Prof. Piyush Pandey, Assam University (India); Prof. Daniel Croll, Université de Neuchâtel, Switzerland; Dr. Pierre Gladieux, French National Institute for Agricultural Research (France); Prof. Michael Boehme, Humboldt University Berlin (Germany); Prof. H. Geert, Ghent University (Belgium); Dr. Huijun Guo, Chinese Academy of Agricultural Sciences, China; Dr. Muhammad J. A. Shiddiki, Griffith University, Australia; Dr. Kutubuddin Molla, ICAR, India; Dr. Andrew Sharpe, Global Institute for Food Security, Canada; Dr. Pankaj Bhowmik, National Research Council, Canada; Dr. Aliya Momtaz, USDA, USA.

Community Services

- **Elected President**, Bangabandhu Shiekh Mujibur Rahman Agricultural University Teachers Association (2020 & 2021)., Bangladesh
- **Chief Patron** (2015 to date), Bijoy Nagar Students Welfare Organization, Brahmanbaria, Bangladesh
- **Advisor** (2015 to date), Dream for Disability Foundation (a non-profit making organization for People's with disabilities in Bangladesh).
- **Member** (2014 to date), Governing Committee, Unnayan Dhara (an NGO involved in sustainable crop production and livelihood of farmers), Jhenaidah, Bangladesh
- **Elected Vice-President (VP) (1992-93)**, Shaheed Nazmul Ahsan Hall Chatra Sangsad, BAU, Bangladesh

Some Selected Media Appearances

1. My lecture on our research on wheat blast in South Asia Biotechnology Conference 2017 in Dhaka at https://www.youtube.com/watch?v=uN5_DBz4nj0&t=205s
2. My interview titled Blast from the Past published in Common Knowledge by Commonwealth Scholarship Commission, UK. Please see at <http://cscuk.dfid.gov.uk/common-knowledge/common-knowledge-issue-7/>
3. A TV program on our research on mitigation of wheat blast. https://www.youtube.com/watch?v=kqbgCAu3u1U&fbclid=IwAR12yd2CYXwf-wS3F8qflvyNDmqRq83dwUQiW4gTM0nwAna6A_jQRwN0VxU
4. A TV program on our research on mitigation of wheat blast. <https://www.youtube.com/watch?v=6431GNMROho&t=416s&fbclid=IwAR2QxoMvIsjSPw5BksZ4ZFrhWhsA-E5sSfUK1vyAp7BRjcSiuxmGLgGKyv4>





Professor Md Tofazzal Islam

Dhaka, November 28, 2024

