

Tanvir Rahman

Subjects: Microbiology

Contributor: Md. Tanvir Rahman

Keywords: keywords ; AMR ; Food Safety ; One Health ; Public Health ; Molecular microbiology ; Genomics

Basic Information



Name: Tanvir Rahman
(Nov 1972–)

Birth Location:	Bangladesh
Title:	Professor Dr.
Affiliation:	Bangladesh Agricultural University, Mymensingh-2202, Bangladesh.
Honor:	DVM, MSc, PhD, Postdoc

1. Introduction

Dr. Md. Tanvir Rahman is a Professor in the Department of Microbiology and Hygiene, Faculty of Veterinary Science at Bangladesh Agricultural University. He is also an Adjunct Visiting Professor of Xinxiang University, Henan, China. Dr. Rahman completed DVM from Bangladesh Agricultural University (BAU) in 1993. Later he completed MSc and PhD from University of Guelph, Canada and University of Warwick, UK respectively and Postdoc from the Max-Planck-Institute for Terrestrial Microbiology, Marburg, Germany.

Earlier Dr. Rahman worked as the Senior Regional Vaccine Consultant for the Government of Bangladesh, PI for LPVRPC(Livestock and Poultry Vaccine Research and Production Centre), Bangladesh Agricultural University and Department of Microbiology and Hygiene, BAU, Technical expert committee for the development of AMR surveillance protocol, Department of Livestock Services, Government of the People's Republic of Bangladesh. And also the member, Technical Committee on Biological Risk and Biosecurity, Bangladesh Food Safety Authority, Government of the People's Republic of Bangladesh.

His major expertise includes antibiotic resistance, molecular ecology, virulence and public health. So far he has published more than 134 papers in peer-reviewed National and International journals (Total IF around 500, H index=26) including Veterinary Microbiology, The ISME Journal, Microbial Drug Resistance, Journal of Bacteriology, Applied and Environmental Microbiology etc. As a research team leader Dr. Rahman has worked as supervisor and co-supervisor for 100 MS and PhD students. Dr. Rahman is also working as the member of the editorial board of several peer-reviewed journals including Bangladesh Veterinary Journal, Veterinary Infectious Diseases (Frontiers in Veterinary Science), Frontiers in Terrestrial Microbiology. Microbiological Research (Elsevier). Veterinary World etc and Academic Editor, PLOS ONE.

2. Research Experiences

- Working on Antibiotic resistance with an International Consortium having members from Technical University of Munich, Germany, Oslo University, Norway and Boston University, USA, focusing antimicrobial resistance (AMR) in livestock and poultry, migratory birds, and environment. In addition have experience to work on Resistome analysis, and

isolation and characterization MRSA and quinolone resistant bacteria from cattle and poultry in Bangladesh funded by ADB, MoST, MoE, FAO, BAS-USDA, UGC, BAURES etc.

- Working on antibiotic resistance (AMR) in animal, man and environment with support from Bangladesh Agricultural University. Ministry of Education, University Grant Commission. Ministry of Science and Technology etc.
- Worked as the PI of (Livestock and Poultry Vaccine Research and Production Centre), Bangladesh Agricultural University on livestock and poultry vaccine development.
- Worked as the Senior Regional Vaccine Consultant for Government of the People's Republic of Bangladesh at Mohakhali, Dhaka, Bangladesh on livestock and poultry vaccine development.
- In addition, during work as NSF (National Science and Technology Research) fellow, at BAU, worked on isolation, identification and characterization of food borne pathogens from bakery food and its environments.
- Worked as Postdoctoral research fellow of the Max Planck Society at the Max Planck Institute for terrestrial Microbiology at Marburg, Germany worked on molecular ecology of methanogens using 454 pyrosequencing based approach. In addition, focused on the development of a mcrA gene based database for robust and rapid taxonomic classification of mcrA pyroamplicons.
- Worked as Head, Department of Microbiology and Hygiene, Faculty of Veterinary Science, Bangladesh Agricultural University, Mymensingh-2202 from 19th June, 2014 to 18th June, 2016.
- During PhD at the University of Warwick, at UK I worked on the development, validation and application of conventional and real-time (quantitative) PCR assays for the detection of *Methylocella* Its genomics and transcriptomics etc.
- At the University of Guelph, Canada during MSc I worked on the genome of *Rhodococcus equi* a pathogen of foals, detection of potential genes involved in virulence and pathogenesis using a DNA microarray, in vivo and in vitro gene expression.
- Worked as ASPM (PI and Co-PI) for HEQEP (Higher Education and Quality Enhancement Project) project on effective and inexpensive animal and poultry vaccine development. Supervised works on vaccine development for the control of animal and poultry disease. Antibiotic resistance, public health etc.

He is also the National Committee Member for:

Technical expert committee for the development of AMR surveillance protocol, Department of Livestock Service, Government of the People's Republic of Bangladesh.

Technical Committee on Biological Risk and Biosecurity, Bangladesh Food Safety Authority (BFSA), Government of the People's Republic of Bangladesh.

Member, Food Hygiene and Safety Management Sectional Committee (AFSC-25). Bangladesh Standards and Testing Institutions (BSTI) Bangladesh.

Member, Committee on Microbiology-1 (Dairy), Bangladesh Food Safety Authority (BFSA), Government of the People's Republic of Bangladesh.

For details: <https://www.sites.google.com/site/tanvirahman/>

Email: tanvirahman@bau.edu.bd

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