

Biotechnology for Sustainable Development in Agriculture Environment and Health

1-3 SEPTEMBER 2023



5th 1 - 3 September, 2023
ICBHA
2023

Venue:
Nabab Nawab Ali Chowdhury Senate Bhaban,
University of Dhaka

Abstraction Submission
June 15 - July 31, 2023

Early Bird Registration June 15 - July 31, 2023	Late Registration Aug 1 - Aug 15, 2023
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Jointly organized by



Nabab Nawab Ali Chowdhury Senate Bhaban

University of Dhaka

Jointly Organized by



GNOBB



Pre-conference Workshops

Biotechnology

31st August 2023, 09:00 – 13:00

WS1: Workshop on Rice Ratooning: A New Strategy to Ensure Food Security, Department of Biochemistry and Molecular Biology, University of Dhaka

3-4 September 2023, 09:00 – 16:00

WS2: Workshop on CRISPR-Cas9 Genome Editing Targeting Rice, Department of Biochemistry and Molecular Biology, University of Dhaka

Biosafety and Biosecurity

Saturday 12 August 2023, 10:00 – 13:00

WS3: Biosafety and Biosecurity in Microbiological and Biomedical Research and Diagnostics, in Teaching Laboratories and in Pharmaceutical Industries. This training workshop will be organized VIRTUALLY using ZOOM.

Saturday 19 August 2023, 10:00 – 13:00

WS4: Biological Waste Management. This training workshop will be organized VIRTUALLY using ZOOM.

Saturday 26 August 2023 10:00 – 13:00

WS5: Selection, Installation, Calibration, Certification and use of Biosafety Cabinets. This training workshop will be organized VIRTUALLY using ZOOM.

Wednesday 30 August 2023, 09:30 – 12:00

WS6: Biorisk Management and Managing BSL3 Biosafety Program. This training workshop will be organized FACE-TO-FACE at the Centre for Advanced Research in Sciences, University of Dhaka.

Wednesday 30 August 2023, 12:00 – 16:00

WS7: Writing Standard Operating Procedure. This training workshop will be organized FACE-TO-FACE at the Centre for Advanced Research in Sciences, University of Dhaka.

Thursday 31 August 2023, 10:00 – 16:00

WS8: Laboratory System Strengthening and Establishing Laboratory Response Network. This training workshop will be organized FACE-TO-FACE at the Centre for Advanced Research, University of Dhaka.

Biotechnology

Biotechnology for sustainable development in Agriculture, Environment, and Health

Day-1 - Friday 01-09-2023

09:00 - 09:30 Registration

Opening ceremony

09:31 - 11:00

Welcome Addresses - Presidents of GNOBB, BBBS, and FABA

Opening Ceremony – Address by Vice Chancellors of Jagannath

09:46 - 10:00

University, Vice Chancellor of Jessore University of Science and Technology, Vice Chancellor of Bangabandhu Sheikh Mujib Medical University, and Vice Chancellor of Bangladesh Agricultural University, Lifetime Achievement of Professor Ahmed Shamsul Islam, and Address by the Chair of the Opening Ceremony Vice Chancellors of Dhaka University

11:01 - 12:15

Plenary Lectures

Biotechnology for Sustainable Development in Agriculture and Environment

Advances in Personalized Medicine

Biotechnology in the Containment of Antimicrobial Resistance

Plenary Speakers



Dr. Rod A. WING, Bud Antle Endowed Chair Professor- School of Plant Sciences, The University of Arizona Professor, Plant Science Director, Center for Desert Agriculture, King Abdullah University of Science and Technology. He is best known for leading the USA effort to sequence the rice genome and is now focused on a deep understanding of the wild relatives of rice.



Dr. Ajith V. Kamath, Ph.D. has nearly 30 years of preclinical drug discovery experience, primarily at Pfizer Worldwide R&D, USA. Ajith joined Pfizer's R&D center in Groton, CT, and Cambridge, MA, and worked there for 13+ years as an Associate Director. After 20 years in the US, he returned to India and served as Sr. V.P. at Jubilant Biosys for four years. His team contributed to two drugs – one in the market and one in the clinical trial.



Dr. Asadulghani, Head of Biosafety, icddr,b; Chairman, BBBS; President, FABA; General Secretary, GNOBB; He is currently leading the Biosafety and Biosecurity and Nationwide Antimicrobial Microbial Resistance (AMR) testing laboratories' capacity building and AMR containment program from icddr,b.

Biotechnology for sustainable development in Agriculture, Environment, and Health

Day-1 - Friday 01-09-2023

- 12:16 – 13:00** Flash Talk
(Parallel Sessions Main Hall and Seminar room)
- 13:00 – 14:30** Prayer and lunch break
- 14:30 – 15:30** Day 1 Poster Presentation
- 15:31 – 16:30** Session 1 : Microbial Biotechnology (Main Hall)
- 15:31 – 16:30** Session 2: Medical Biotechnology (Seminar Room)
- 16:30 – 17:00** Tea/Coffee
- 18:30 – 20:30** Networking dinner (subscription is required, Venue - Dhaka Club)

Day-2 - Saturday 02-09-2023

- 09:31 – 10:30** Session 3: Plant Biotechnology (Main Hall)
- 09:31 – 10:30** Session 4: Fisheries and Marine Biotechnology (Seminar Room)
- 11:01 – 11:55** Session 5 and 6: Young Emerging Scientists Session on Agriculture and Environment (Main Hall) and on Human Health (Seminar Room)
- 12:01 – 13:00** Session 7: Animal Biotechnology (Main Hall)
- 12:01 – 13:00** Session 8: Industrial Biotechnology (Seminar Room)
- 13:01 - 14:30** Prayer and Lunch break
- 14:31 – 15:30** Day 2 Poster Session
- 15:31 – 16:50** GNOBB award lectures
- 16:51 – 17:00** Closing Remarks
- 17:00 – 17:30** Afternoon tea

Outstanding Senior Scientist Award Working in Bangladesh



PROFESSOR DR. MD. TOFAZZAL ISLAM

Professor Dr. Md. Tofazzal Islam is the Founder Director at the Institute of Biotechnology and Genetic Engineering, Bangabandhu Sheikh Mujibur Rahman Agricultural University. His current research foci include genomics, genome editing, and the application of plant probiotics for sustainable agriculture and food security in Bangladesh.

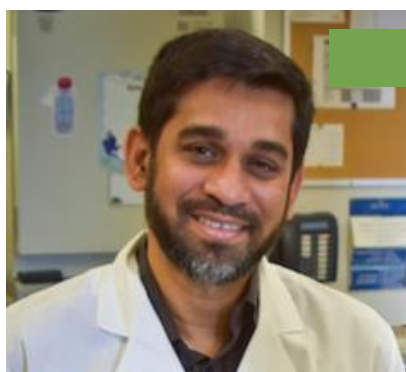
Remaining Mid-career Scientist Award Working in Bangladesh



DR. MIRZA HASANUZZAMAN

Dr. Mirza Hasanuzzaman is the Professor of Agronomy Sher-e-Bangla Agricultural University, Dhaka. His research interest is in crop physiology, plant stress responses and tolerance, Metals/Metalloids toxicity, and phytoremediation.

Outstanding Senior NRB Scientist Award



DR. HASAN ZAKI

Dr. Hasan Zaki, Associate Professor at University of Texas, Southwestern Medical Center. His research is focused on exploring the complex interplay between the host immune system, diet, and gut microbiota in regulating inflammatory disorders including cancer.

Outstanding Mid-career NRB Scientist Award



DR. MOHAMMAD ARIFUL ISLAM

Dr. Mohammad Ariful Islam, Principal Scientist/mRNA Drug Product Leader Sanofi, USA, is focused on drug development, mRNA/nucleic acid therapy, biomedical engineering, and nanomedicine

Containment of Antimicrobial Resistance (AMR)

Day-3 - Sunday 03-09-2023

09:00 – 09:30 Registration

09:31 – 10:30 Session 9 : AMR in Human Health (Main Hall)

10:30 – 11:00 Morning tea

11:01 – 12:00 Session 10: AMR in Animal Health (Main Hall)

12:01 – 13:00 Session 11: AMR in Food and Feed Produces (Main Hall)

13:00 - 14:30 Prayer and Lunch break

14:31 – 15:30 Session 12: AMR Data Management and Use (Main Hall)

14:31 – 15:30 Session 13 on AMR in Environment (Seminar Room)

15:36 – 16:30 Panel Discussion on the Systems Strengthening for Containment of Antimicrobial Resistance

Session Chair : Director Disease Control and Line Director Communicable Disease Control, (DGHS).

Panel Members:



Prof. Dr Ranga Reddy Burri
Founder of the Infection Control Academy of India



Prof. Dr Zahidul Hasan
Senior Consultant, Microbiology, Pathology & Laboratory Medicine; Square Hospital



Prof. Dr Paritosh Biswas
Chattogram Veterinary and Animal Sciences University



Dr Md Giasuddin
Vice-Chair, BBBS and Director (Rtd) NRL, BLRI



Prof. Dr Saniya Tahmina
President, Medical Microbiology Society, Bangladesh ADG Planning (Rtd), DGHS

Other Panel Members: Keynote speakers and Media Representative

Guest of Honors: Executive Director, icddr,b and Additional Director General, Admin, DGHS

16:31 – 17:00 Closing Remarks

17:00 – 17:30 Afternoon Tea