

# ANNOUNCEMENT

## 5<sup>th</sup> YOUNG SCIENTIST CONGRESS

### YOUNG SCIENTISTS FOR HEALTH & ENVIRONMENT



**25-27 November 2022**

#### **Venue :**

National Science & Technology Complex  
Agargaon, Dhaka, Bangladesh

*Organized by*



**Bangladesh  
Academy of Sciences**

*Supported by*



## INVITATION

Bangladesh is now enjoying a 'demographic dividend' with relatively high proportion of young people serving as the primary engine for the development of the country. It is now important to equip this young generation with frontline science, technology and innovation (STI) tools so that they can serve the society better at present and also prepare themselves to face the challenges in future. Realizing the importance of attracting the best young minds to science, the Bangladesh Academy of Sciences has initiated this series of Young Scientist Congress where the senior scientists and experts from home and abroad share their knowledge and experience with the younger counterparts who are the main focus of the series. In addition to invited lectures there will be opportunities for oral and poster presentations on relevant topics and it is expected that a large number of active researchers will be able to interact through these free paper sessions. The 5th Congress of the series has been designed to highlight research areas addressing some of the major challenges faced by our country specially in health and environment sectors. The whole world is going through a crisis in these two areas and the burden is disproportionately high in countries like Bangladesh. We believe that the younger researchers will generate stimulating ideas for their future works through this Congress.

We look forward to your participation in the Congress.

**Emeritus Prof Dr AK Azad Chowdhury**  
President, BAS

**Maj General (Retd) Prof Dr ASM Matiur Rahman**  
Chair, Organizing Committee  
5th Young Scientist Congress 2022

**Prof Liaquat Ali**  
Organizing Secretary  
5th Young Scientist Congress 2022

## ADVISORY COMMITTEE

Chair	: Emeritus Prof Dr AK Azad Chowdhury
Members	: Prof Dr M Shamsheer Ali Prof Dr AS Islam Prof Dr Abdul Matin Patwari National Emeritus Scientist Dr Kazi M Badruddoza Prof Dr Amir Hussain Khan Prof Dr Mesbahuddin Ahmad Emeritus Prof Dr Arun Kumar Basak Dr MA Hamid Miah Prof Dr Hajera Mahtab Prof Dr Shariff Enamul Kabir Prof Dr AKM Azharul Islam Prof Dr Mohammad Kaykobad National Prof Dr AK Azad Khan Prof Dr KM Sultanul Aziz Prof Dr Zia Uddin Ahmed Prof Dr Choudhury Mahmood Hasan

## ORGANIZING COMMITTEE

Chair	: Maj Gen (Retd) Prof Dr ASM Matiur Rahman
Members	: Prof Dr Zahurul Karim Dr M Idris Ali Prof Dr ZN Tahmida Begum Prof Dr Haseena Khan Prof Dr Mesbahuddin Ahmed Prof Dr Md Saidur Rahman Prof Dr Yearul Kabir Prof Dr Saleh Hasan Naqib Prof Dr Md Tofazzal Islam
Organizing Secretary	: Prof Dr Liaquat Ali

## SCIENTIFIC AREAS TO BE COVERED

**Physical, Chemical, Natural Resources & Environmental Sciences**  
**Agricultural and Biological Sciences**  
**Mathematical, Engineering and Computer Sciences**  
**Health, Nutritional and Pharmaceutical Sciences**

# INVITED SPEAKERS

## KEYNOTE SPEAKER

### **Dr Qazi Kholiquzzaman Ahmad**

*Chairman, Palli Karma-Sahayak Foundation (PKSF), Sher-e-Bangla Nagar, Dhaka*  
Young Scientists for health and environment

## PLENARY SPEAKERS

### **Maj Gen (Retd) Prof Dr ASM Matiur Rahman**

*Bangladesh Academy of Sciences*  
Antimicrobial Resistance : the emerging global health crisis

### **Prof Dr MA Hamid**

*Former Professor, Dept of Agronomy, Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur, Bangladesh*  
Climate change impact on Bangladesh agriculture : Adaptation and mitigation options

## INVITED SPEAKERS

### **Prof Dr Muhammad Morshed**

*Pathology & Laboratory Medicine, University of British Columbia, Vancouver, Canada*  
Covid-19 Pandemic : opportunities and way forward

### **Prof Dr Md Tofazzal Islam**

*Dept of Institute of Biotechnology and Genetic Engineering*  
*Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur*  
Eco-friendly management of plant diseases using frontier science and technologies

### **Dr Khan Shahidul Huque**

*National Consultant, Livestock Project*  
*Development Adviser FAO of the United Nations*  
Key Performance Indicators of Livestock in green growth dynamics of Bangladesh

### **Prof Dr Abu Tweb Abu Ahmad**

*Retd from Dept. of Zoology, University of Dhaka*  
Water pollution and its impacts on human beings

### **Prof Dr Md Sirajul Islam**

*Dept of Civil and Environmental Engineering, North South University, Dhaka*  
Climate change and natural disaster: the inter-relationship and implications

### **Prof Dr Mohammad Shoeb**

*Dept of Chemistry, University of Dhaka*  
Natural products for drug discovery in Bangladesh

### **Prof Dr Badrul Imam**

*Dept of Geology, University of Dhaka*  
Potential of environmentally cleaner indigenous natural gas to resolve energy crisis of Bangladesh

### **Prof Dr AKM Akther Hossain**

*Dept of Physics, Bangladesh University of Engineering & Technology (BUET), Dhaka*  
Multifunctional smart materials for the future technology

### **Prof Dr Rezaul Karim**

*Dept of Civil and Environment Engineering, Islamic University of Technology (IUT), Gazipur*  
Microplastic pollution: a recent emerging pollutant in the globe

### **Prof Dr Lafifa Jamal**

*Dept of Robotics and Mechatronics Engineering, University of Dhaka*  
Intelligent robotics system for early childhood education

**Prof Dr M Sohel Rahman**

*Dept of Computer Science & Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka*

The power of Agent-Based Model (ABM): a very brief tale

**Prof Dr Yearul Kabir**

*Dept of Biochemistry and Molecular Biology, University of Dhaka*

SNP as Cancer Biomarkers in the context of Bangladeshi Population

**Dr Munirul Alam**

*Molecular Ecology & Metagenomics Laboratory, icddr,b, Mohakhli, Dhaka*

Gut and vaginal microbiota decide health and pregnancy outcomes

**Prof Dr Mamun Al Mahtab**

*Interventional Hepatology Division, Dept of Hepatology, Bangabandhu Sheikh Mujib Medical University, Dhaka*

The story of the discovery of NASVAC- a novel therapeutic vaccine for chronic Hepatitis B

**Prof Dr Md Abdur Rashid**

*Dept of Pharmaceutical Chemistry Faculty of Pharmacy, University of Dhaka*

Bioactive compounds from medicinal plants, microbes and marine organisms

**Dr Khairul Bashar**

*Harvest Plus, Dhaka Bangladesh*

Biofortified food in Bangladesh context : an update

**Prof Dr Mirza Hasanuzzaman**

*Dept of Agronomy, Sher-e-Bangla Agricultural University, Dhaka*

Biostimulants for Enhancing Plant Tolerance to Environmental Stress

**Prof Dr Mohammad Nazir Hossain**

*Dept of Genetic Engineering & Biotechnology, Bangabandhu Sheikh Mujibur Rahman Maritime University*

Marine bioresources: a treasure trove of biodiversity for natural products discovery

**Professor Dr M Rafiqul Islam**

*Department of Soil Science, Bangladesh Agricultural University, Mymensingh*

Heavy metal consumptions through foods and health risk in Bangladesh

**Dr FH Ansarey**

*ACI Motors Ltd. and ACI Agrolink Ltd., Dhaka*

Ensuring safe food in the marketplace by private sector

**Dr Md Sirajul Islam**

*Bangladesh Academy of Sciences*

Phytoplankton as a reservoir of *Vibrio cholerae* and prevention of cholera by Siraj Mixture

## GENERAL INFORMATION

**Climate :** The weather in Dhaka in November is usually pleasant. Average day temperature is 26°C

**Language :** English is the official language of the Congress

**Visa :** Citizens of most countries require visa for entry into Bangladesh. The local Bangladesh Embassy or Consulate may kindly be contacted.

**Currency :** Taka (Tk) Conversion rate US\$= Tk 104.00 (approx.)

**Accommodation :** Accommodation of hotels can be arranged on request. Please contact the Congress Secretariat for further information.

**Travels and Tours :** Customized Tours can be organized for foreign participants. Please contact the Congress Secretariat immediately after arrival.

## Registration Fees

General Participants (age below 45 yrs) : Tk. 1,000/-  
Students (Proof required) : Tk. 500/-

Payment can be made through Southeast Bank Ltd Account : BAS-Young Scientist Program, No- 002012100012934 or Mobile Banking (with extra 2% service charge) : Bkash- 01743233957; Nagad- 01552420037; or Rocket- 017432339579 (all personal).

## Closing Date for Registration : 10 November 2022

Please fill the enclosed Registration form (photocopies of the forms are acceptable). You can also register online by clicking the google registration form <https://forms.gle/Pq3eYy5akCmDomYS7>. You may visit BAS website at [www.bas.org.bd](http://www.bas.org.bd). The Participant's registration fee includes access to Scientific Programs, Congress Publications, Reception, Tea / Coffee, Lunch, Dinner and Cultural Program.

## Call for Abstracts

Participants interested to present their original works in the Free Paper Sessions (8 minutes followed by 2 minutes discussion for each participant) or Poster Sessions in the Congress are invited to submit abstracts by **30 October 2022**

## Instructions for abstract

- The abstract should be structured as a) Background and objectives, b) Methods, c) Results, and d) Conclusions
- Abstract must be within 300 words
- Preference for oral or poster presentation should be stated
- The presenting author's name should be underlined
- The presenting author's full contact address (including phone number and e-mail must be given)
- Abstract should be sent to the Congress Secretariat by **30 October 2022**

## Presentation

Multimedia projection facilities will be available

## Travel Grants/Allowances

A limited number of participants from outside Dhaka will be provided with free registration and local hospitality (accommodation and food) and/or travel grant depending on the availability of funds. Participants with accepted abstracts will get preference. Prospective participants are requested to send their application for grants by **10 November 2022**.



Correspondence

## Congress Secretariat

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