National Young Academy of Bangladesh: Activities and future plans

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https://nyabangladesh.org/

Formation
• Formally launched on 16th June, 2019.
• Fourth Young Academy established in South Asia and 41st Young Academy in the World

Purpose
• To connect early career researchers of Bangladesh at home and abroad.
• To promote science education and awareness.
• To empower young scientists to work together for the betterment of Bangladesh.
• To create forums where young scholars can meet and communicate beyond their specializations.
• To coordinate with other young academies as well as GYA for facilitating international ties amongst young scientists.
Members and committees

**Founder Members: 20**
Selection of second cohort of members has been successfully completed
Present Members: 40
Proposed members: 100
Age limit for membership: 45 yrs

**Executive committee:**
President, Vice-President, Secretary, Treasurer and 5 members

**Advisory committee:**
11 renowned academicians including president of BAS

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1st AGM

Launch and inaugural AGM on 16th June 2019. Approved constitution of NYAB

Inaugural AGM 2019

Inauguration ceremony
COVID-19_Initiatives by NYAB

- **Policy Communication:** A letter was written to the Ministry of Health, Govt. of Bangladesh offering help during CoViD-19 pandemic.

- **Scientific Role:** NYAB members, Prof. Atiar, Prof. Jakir, Dr. Khademul, and Dr. Sabrina participated actively in the COVID 19 response through their works e.g with RT-PCR lab setup, training, research, consultation, popular writing etc.

- **Participation at world health summit:** Dr. Khademul Islam and Dr. Monir Uddin Ahmed presented their proposal to the new voices in Global Health at the world health summit.

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Social Activities
Webinar series during CoViD-19 pandemic

- **Sharing of Knowledge through Webinars:**
  - **Webinar 1: Publishing in peer reviewed journal: Procedure and ethics**
    Speaker: Mohammed Abdul Basith, Professor, Dept. of Physics, BUET.
    Date: 13th May, 2020
  - **Webinar 2: Functional foods for immune boosting**
    Speaker: Md. Atiar Rahman, Professor, Dept. of Biochemistry and Molecular Biology, CU
    Date: 19th May, 2020
  - **Webinar 3: A closer look to SARS-CoV2, the virus behind CoViD-19**
    Speakers: Dr. Khademul Islam, Associate Professor and Dr. Mustak Ibn Ayub, Assistant Professor, Dept. of Genetic Engineering and Biotechnology, DU
    Date: 1st June, 2020
  - **Webinar 4: Statistical analysis: Authentic use of data for scientific research**
    Speaker: Dr. Sabrina M Elias, Assistant Professor, Dept. of Biochemistry and Biotechnology, IUB
    Date: 15th June, 2020
  - **Webinar 5: Pandemic of infectious authorship: To be or not to be treated**
    Speaker: Mohammad Tariqur Rahman, Professor, Faculty of Dentistry, University of Malaya, KL
    Date: 21st July, 2020
Activities: Sharing of Knowledge through Webinars

- In these webinars majority of the participants were students and early-career researchers
- Webinars were divided into two sessions, one invited talk followed by panel discussion
- Panels consisted of knowledgeable experts
- A small amount of registration fee was taken as donation
- There was option of registration fee waiver for the students

Humanitarian Activities

Scholarship for female students

- Under the banner “Women in science: Study from home”, some female undergraduate students from different universities are supported from the fund raised as part of registration fee for the webinars.
- Since Bangladesh government has recently started implementing the online classes, this small amount can help them continuing studies supporting internet costs.

Donation to affected communities

Donation collected from members as well as the fund raised from the registration fee of webinars are distributed among the CoViD-19 pandemic affected communities
Mid year general body meeting of INYAS: 2\textsuperscript{nd} August 2020
Group A: BSc, MSc, Group B: M.Phil., PhD; Total posters: 243

**Category**

- 28%: Group A
- 72%: Group B

**Country**

- 50%: Bangladesh
- 37%: India
- 9%: Sri Lanka
- 4%: Thailand

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**International Poster Presentation Competition**

**Award Ceremony**

October 17, 2020

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**Certificate of Merit**

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**IPPC 2020**

Friday, 27 November 2020

ANNUAL GENERAL MEETING, NYAB
Strength and weakness of Bangladeshi students

- **Group A (BSc, MSc or equivalent):** Success rate 78.5%
- **Group B (MPhil., PhD):** Success rate 0%

Such a outcome disappointed us !!!!!!

**NYAB initiative: Doctoral Research Award**

- Focus on Bangladeshi Resources
- From a Bangladeshi University
NYAB Outstanding Doctoral Research Award

- Need to complete the degree from a Bangladeshi University
- A panel of Jury will make the final selection of awardee
- One awardee will be chosen from each discipline stated below.
  1. Life Sciences and Medicine
  2. Applied Sciences and Engineering
  3. Physical Sciences
  4. Agriculture and Veterinary
  5. Social Sciences and Humanities

2nd Annual General Meeting
27-28 November, 5 December, 2020
Day 1: Policy Dialogue:
Young Scientists and the Advancement of Bangladesh

Day 2: Scientific Session
• Graph Algorithm and their applications
  Speaker: Prof Md. Saidur Rahman, BUET
• Advancement of Biological Research in Bangladesh and the role of our young generations
  Speaker: Dr. Firdausi Qadri, icddr,b
• Research presentation by NYAB members

Day 3: Discussion on NYAB activities and working group formation among members

Participation in the New Voices of Global Health session of World Health Summit 2020
1. Khademul Islam, PhD
2. Monir Uddin Ahmed, PhD
Working Group Activities 1

Webinar

Where NOT to publish your research

- To create awareness against predatory journals and conferences
- To enlighten the audience on journal metrics.

~290 Participants registered
https://www.youtube.com/watch?v=YL9MExcpPg

Working Group Activities 2

Science Leadership Workshop

- Understanding leadership
- Team building
- Motivating self and others
- Communication as the mother skill
- Understanding leadership
- Team building
- Motivating self and others
- Communication - The mother skill
- Problem solving and decision making
- Conflict management
- Stress management
- Research culture development
- Research grant management
- Supply chain management in research environment
- Innovation and continuous improvement
Leadership Workshop Inaugural Ceremony

Future activities

1. A regular event in every two years jointly organized by different NYA’s
2. Workshop on skills development for scientific writing

Scientific Writing
  - Research Article
  - Dissertation
  - Grant Application
    - Theoretical Investigation
    - Experimental Investigation
    - Arts and Literature