

SIXTH VIRTUAL WORKSHOP OF NITUB



TRAINING PROGRAMME ON THE USE, MAINTENANCE AND TROUBLE-SHOOTING OF SPECIFIC MEDICAL INSTRUMENTS: ELISA; RT- PCR; Microbial Tests

22 August 2021

Organized by

Network of Instrument Technical personnel and User scientists of Bangladesh (NITUB)

Venue

ONLINE (Zoom Platform)

Programme Committee

Professor Begum Rokeya
Department of Pharmacology
BUHS, Dhaka
and Joint Secretary, NITUB

Convener

Professor Mohammed Shoeb
Department of Chemistry
University of Dhaka (DU)
and EC member, NITUB

Member

Dr. Md. Zakir Sultan
Principal Scientist,
CARS, University of Dhaka (DU)
and EC member, NITUB

Member

All correspondence should be addressed by email to

Professor Altaf Hussain

General Secretary, NITUB

Cell phone: +880 1552-421909, Email: nitub@bangla.net

or

Professor BegumRokeya

Department of Chemistry

University of Dhaka

Cell phone: +8801711811350; E-mail: b_rokeya@yahoo.com

NITUB Office: 300, Elephant Road, Alishan Complex (2nd Floor, Room No. 309) Dhaka-1205, Bangladesh
Tel: +880-2-9673136, Cell: 01711984234
Email: nitub@bangla.net, md.akchowdhury@gmail.com
Web: www.nitub.org

Background

The Network of Instrument Technical personnel and User scientists of Bangladesh (NITUB), a voluntary non-profit, non-political learned society, is functioning since 1994 with the aim to improve the capability of scientists and technical personnel of Bangladesh to use, maintain and repair scientific equipment.

NITUB is regularly conducting training programmes on the use and maintenance of specific groups of instruments such as GC, HPLC, AAS, UV-VIS, IR and X-ray etc. So far, NITUB has conducted 76 training programmes. NITUB is also conducting Instrument Repair Programme through out the year through which non-functioning scientific instruments are being repaired.

However, the situation is different now due to the COVID-19 pandemic and therefore, real training programmes of NITUB could not be arranged since March 2020. The Executive Committee of NITUB in a meeting, decided to organize virtual workshops which will be mainly lectures on the use, application, maintenance and trouble-shooting on scientific equipment. The 1st virtual workshop was on HPLC held on 27th October 2020, 2nd was on GC held on 28th November 2020, 3rd was on UV-VIS and IR Spectrometers held on 26th December 2020, 4th was on AAS held on 26th February 2021 and the 5th was on LC-MS held on 26th 2021. The sixth virtual workshop will be on some specific “Medical Instruments” to be held on 22 August 2021.

Workshop

The 6th virtual workshop on specific “Medical Instruments” will include three theoretical lectures on the use, maintenance and trouble-shooting of ELISA, RT-PCR, and on Microbial Tests. A draft detailed programme is given in the circular.

Participants

A maximum of 30 (Thirty) participants will be selected from among the applications of young faculties, scientists, research students and technical personnel of public and private educational institutes, medical colleges / universities, research organizations and , diagnostic laboratories . Regional and International applicants are also welcome to apply.

Registration

Applications to participate in the 6th Virtual Workshop of NITUB on specific “Medical Instruments” should reach the General Secretary, NITUB, on or **before 17 August 2021** in the form given in the circular. Application must be sent through proper channel along with a training fee of **BDT. 500/- (Bangladesh Taka Five Hundred only)** in the form of a bank draft, pay order or on-line payment in the name of **NITUB** (Sonali Bank Limited, Dhaka University Campus Corporate Branch, Account No. 4405734255099) **or bKash No. +8801711-984234** (with bKash charge). Selected participants will be informed with **Zoom link** by **20 August 2021** and **E-Certificate** will be given to participants attending the virtual workshop.



6th VIRTUAL WORKSHOP OF NITUB
on the use, maintenance, trouble-shooting of
specific “ Medical Instruments”

22 August 2021

APPLICATION FORM

Name of the applicant (Block Letter)	
Date of birth	
Academic qualification	
Designation	
Institute/Organization with address	
Phone / cell phone number	
E-mail Address	
Any previous training, If yes, please specify.	
Date:	Signature of the applicant

Recommendation from the Head of Institution / Organization

Date:

Signature:

Programme

22 August 2021 (Saturday)

14:00-14:30 - Registration and Inauguration

14:30-15:30 - **Lecture 1: Introduction of Principles of Enzyme
Linked Immunosorbent Assay (ELISA)
and it's Troubleshooting**

by Professor Dr Rosy Sultana, Head,
Department of Immunology, BUHS

15:40-16:40 - **Lecture 2: Principles of Real-time PCR: a reliable
technique for detection of COVID-19**

(Video presentation for practical class)
by Professor Dr Rosy Sultana,

16:50-17:50 - **Lecture 3: Quality sample collection, handling &
preservation for an effective
microbial testing**

by Mousumi Karmaker Assistant. Professor
Department of Microbiology, BUHS

17:50-18:20 - **Open discussion and closing**