

73RD TRAINING PROGRAMME OF NITUB



TRAINING PROGRAMME ON THE USE, MAINTENANCE AND TROUBLE-SHOOTING OF HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

27 April – 02 May 2019

Organized by

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

Venue

**Centre for Advanced Research in Sciences (CARS)
University of Dhaka, Dhaka-1000.**

Programme Committee

Dr. Md. Zakir Sultan Principal Scientist Centre for Advanced Research in Sciences University of Dhaka	Convener
Dr. Gazi Nurun Nahar Sultana Chief Scientist Centre for Advanced Research in Sciences University of Dhaka	Member
Dr. Latiful Bari Principal Scientist Centre for Advanced Research in Sciences University of Dhaka	Member
Md. Abul Kalam Chowdhury Instrument Engineer, NITUB	Member Secretary

All correspondence should be addressed to

Professor Dr. Altaf Hussain

General Secretary, NITUB

&

Academic Advisor

Bangabandhu Sheikh Mujibur Rahman Maritime University, Bangladesh

Mirpur-12, Dhaka-1216

Cell: +880 1552-421909, Email: altaf@du.ac.bd

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 of improving the capability of scientists and technical personnel to use, maintain and repair of scientific equipment properly.

NITUB is regularly conducting training programme on the use and maintenance of specific groups of instruments such as HPLC, GC, AAS, UV-VIS, IR and X-ray etc. So far, NITUB has conducted 72 training programmes. NITUB is also conducting Instrument Repair Programme through which non-functioning scientific instruments are being repaired.

Since its inception, NITUB already has organized 10(ten) training programmes on the use and maintenance of High Performance Liquid Chromatography (HPLC). NITUB was requested by user scientists and technical personnel to organize another training programme on HPLC. The EC of NITUB, therefore, decided to organize the 73rd training programme on HPLC.

Training Programme

The HPLC training programme will include theoretical lectures and practical training sessions on the use, maintenance and trouble-shooting of HPLC. A tentative time-table for the training programme is given, however the final programme will be sent later to the selected

participants. The training programme will be conducted by university professors, senior scientists and NITUB technical experts.

Participants

A maximum of 15 (Fifteen) participants will be selected from among the applications of scientists and technical personnel of public and private educational institutes, pharmaceuticals and research organizations. Applicants having HPLC facilities at his/her working place will get preference to participate in the training programme.

Registration

Applications to participate in the 73rd training programme on HPLC should reach the General Secretary of NITUB on or **before 22 April 2019** in the proforma given in the circular. Application must be sent through proper channel **along with a training fee of Tk. 10,000/- (taka ten thousand) in the form of a bank draft, pay order or on-line pay in the name of “NITUB”. (Sonali Bank Limited, Dhaka University Branch, Account No. 4405734255099)**. Training fee will include registration, teaching materials, lunch and tea.

Selected participants will be informed by **24 April 2019** and the training fee of the applicants who could not be accommodated will be refunded.

Tentative Programme

27 April 2019 (Saturday)

0900-1000 - Registration of the Participants
1000-1100 - Inauguration of the HPLC Training Programme
1100-1130 - Tea
1130-1230 - **Lecture 1: Principles of Chromatography**
1230-1300 - **Practical Session 1:** Demonstration of HPLC
1300-1400 - Lunch
1400-1630 - **Practical Session 1:** Continuation
1630-1700 - Tea

28 April 2019 (Sunday)

0900-1000 - **Lecture 2: Basic instrumentation of HPLC and its application**
1000-1030 - Tea
1030-1300 - **Practical Session 2**
Group A: Analysis of anti diabetic drugs
Group B: Analysis of vitamin C in vegetables
Group C: Analysis of caffeine from soft drink
1300-1400 - Lunch
1400-1630 - **Practical Session 2:** Continuation
1630-1700 - Tea

29 April 2019 (Monday)

0900-1000 - **Lecture 3: Trouble-shooting and maintenance of HPLC**
1000-1030 - Tea
1030-1300 - **Practical Session 3**
Group C: Analysis of anti diabetic drugs
Group A: Analysis of vitamin C in vegetables
Group B: Analysis of caffeine from soft drink
1300-1400 - Lunch
1400-1630 - **Practical Session 3:** Continuation
1630-1700 - Tea

30 April 2019 (Tuesday)

0900-1000 - **Lecture 4: Method development and validation of Pharmaceutical drugs by HPLC**
1000-1030 - Tea
1030-1300 - **Practical Session 4**
Group B: Analysis of anti diabetic drugs
Group C: Analysis of vitamin C in vegetables
Group A: Analysis of caffeine from soft drink
1300-1400 - Lunch
1400-1630 - **Practical Session 4:** Continuation
1630-1700 - Tea

01 May 2019 (Wednesday)

0900-1000 - **Lecture 5: Use of HPLC in Food Analysis**
1000-1030 - Tea
1030-1300 - **Practical Session 5**
Group I: Analysis of some herbal drug and determination of adulteration in the drug.
Group II: Analysis of paraben.
1300-1400 - Lunch
1400-1630 - **Practical Session 5:** Continuation
1630-1700 - Tea

02 May 2019 (Thursday)

0900-1000 - **Lecture 6: Analysis of Natural Products by HPLC**
1000-1030 - Tea
1030-1300 - **Practical Session 6**
Group II: Analysis of some herbal drug and determination of adulteration in the drug.
Group I: Analysis of paraben
1300-1400 - Lunch
1400-1530 - Closing ceremony and distribution of certificates



73rd Training Programme of NITUB
Training Programme on the use, maintenance, trouble-shooting of
High Performance Liquid Chromatography (HPLC)

27 April – 02 May 2019

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:

Name & Seal: