

67th TRAINING PROGRAMME OF NITUB



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

23 – 29 December 2017

Organized by

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

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Bangladesh Council of Scientific and Industrial Research (BCSIR)

Venue

Bangladesh Council of Scientific and Industrial Research (BCSIR),
Dr. Qudrat-I-Khuda Road, Dhanmondi, Dhaka-1205

Programme Committee

Dr. Md. Zahurul Haque Director IFST, BCSIR, Dhaka	Convener
Md. Matiur Rahim CSO IFST, BCSIR, Dhaka	Member
Dr. Barun Kanti Saha PSO IFST, BCSIR, Dhaka	Member
Dr. Md. Zakir Sultan Principal Scientist Centre for Advanced Research in Sciences University of Dhaka	Member
Md. Abul Kalam Chowdhury Instrument Engineer, NITUB	Secretary

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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 66 training programmes. NITUB is also conducting Instrument Repair Programme through which non-functioning scientific instruments are being repaired. Instrument repair programme is run throughout the year.

Since its inception, NITUB has already organized nine training programmes on the use and maintenance of High Performance Liquid Chromatography (HPLC). NITUB has been requested by user scientists and technical personnel to organize another training programme on HPLC. The EC of NITUB, therefore, decided to organize the 67th 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 in the brochure however, the final programme will be sent later to the

selected participants only. 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 67th training programme on HPLC should reach the General Secretary of NITUB on or **before 19 December 2017** in the form 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 or pay order in the name of "NITUB"**. Training fee will include registration, teaching materials, lunch and tea.

Selected participants will be informed by **20 December 2017** and the training fee of the applicants who could not be accommodated will be refunded.

Tentative Programme

23 December 2017 (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

24 December 2017 (Sunday)

0900-1000- **Lecture 2: Basic instrumentation of HPLC and its application**
1000-1030 - Tea
1030-1300 - **Practical Session 2**
Group A: Analysis of Nitrofurantoin antibiotic in animal feed
Group B: Analysis of Metformin
Group C: Analysis of caffeine from soft drink
1300-1400 - Lunch
1400-1630 - **Practical Session 2 :** Continuation
1630-1700 - Tea

25 December 2017 (Monday)

Free day (**Public Holiday**)

26 December 2017 (Tuesday)

0900-1000 - **Lecture 3: Trouble-shooting and maintenance of HPLC**
1000-1030 - Tea
1030-1300 - **Practical Session 3**
Group B: Analysis of Nitrofurantoin antibiotic in animal feed
Group C: Analysis of Metformin
Group A: Analysis of caffeine from soft drink
1300-1400 - Lunch

1400-1630 - **Practical Session 3** Continuation

1630-1700 - Tea

27 December 2017 (Wednesday)

0900-1000 - **Lecture 4: Analysis of Pharmaceutical drugs by HPLC**
1000-1030 - Tea
1030-1300 - **Practical Session 4**
Group C: Analysis of Nitrofurantoin antibiotic in animal feed
Group A: Analysis of Metformin
Group B: Analysis of caffeine from soft drink
1300-1400 - Lunch
1400-1630 - **Practical Session 4:** Continuation
1630-1700 - Tea

28 December 2017 (Thursday)

0900-1000 - **Lecture 5: Use of HPLC in Food Science**
1000-1030 - Tea
1030-1300 - **Practical Session 5**
Group A, B & C: Analysis of some herbal drug and determination of adulteration in the drug.
1300-1430 - Lunch
1430-1630 - **Practical Session 5:** Continuation
1630-1700 - Tea

29 December 2017 (Friday)

0900-1000 - **Lecture 6: Analysis of natural products by HPLC**
1000-1030 - Tea
1030-1300 - **Practical Session 6**
individual problem solving session
1300-1400 - Lunch
1400-1530 - **Practical Session 6:** Continuation
1530-1630 - Closing ceremony & distribution of certificates

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CHROMATOGRAPHY (HPLC)**

23-29 December 2017

APPLICATION FORM

Name of the applicant :

Date of birth :

Academic qualification :

Designation :

**Institution/Organization
with address** :

Phone and Cell 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 :

Designation :