

63rd TRAINING PROGRAMME OF NITUB



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

26 – 31 December 2016

Organized by

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

Venue

Department of Chemistry, University of Dhaka, Dhaka-1000.

Programme Committee

Professor Nilufar Nahar
Department of Chemistry
University of Dhaka

Convener

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General Secretary, NITUB

Member

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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 60 training programmes. NITUB is also conducting Instrument Repair Programme through which non-functioning scientific instruments are being repaired.

Since its inception, NITUB has already organized eight 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 63rd 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 12 (Twelve) 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 63rd training programme on HPLC should reach the General Secretary of NITUB on or **before 19 December 2016** 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 **21 December 2016** and the training fee of the applicants who could not be accommodated will be refunded.

Tentative Programme

26 December 2016 (Monday)

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

27 December 2016 (Tuesday)

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

28 December 2016 (Wednesday)

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

29 December 2016 (Thursday)

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

30 December 2016 (Friday)

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

31 December 2016 (Saturday)

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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26 - 31 December 2016

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 :**