

HPLC Hands-On Workshop and Analysis

Let's Join Us!

ABI



NIBM

MERAKYATKAN SAINS
MENGINSANKAN TEKNOLOGI

Date: 25th-26th October 2022
Location: Chromatography Lab
Fee: RM 1100

Who should attend

Ideal for students, post graduates student, scientists, lecturers or anyone who uses HPLC and wishes to have a solid theoretical and practical background in this technique.

About the Workshop

High Performance Liquid Chromatography (HPLC) is an analytical technique for separating organic compounds in order to analyze their properties. HPLC is utilized in many industries such as biological, pharmaceutical, food, and environmental, to analyze samples.

This HPLC course is designed to help new users to understand the concept of liquid chromatography. It will covers from identify suitable samples for liquid chromatography analysis, selection of HPLC column, identification parts of HPLC system and their functions, troubleshoot instruments, and learn general maintenance of the HPLC system.

Contact Us



Agro-Biotechnology Institute Malaysia (ABI)
Complex, Jalan Eksotika off Persiaran MARDI-
UPM, 43400 Serdang, Selangor, Malaysia.



+603-8949 5707/5746



stu.abi@nibm.my or bdc@nibm.my

Scan here to register
SEATS ARE LIMITED!





Tentative

DAY 1

9.00 a.m.
-11.00 a.m.

Lecture 1

- Introduction to HPLC and Instrumentation.
- Software control

11.00 a.m.
-1.00 p.m.

Practical 1: Familiarization to HPLC

- Preparation of mobile phase
- Conditioning on column

1.00 p.m.
-2.00 p.m.

Lunch

2.00 p.m.
-5.00 p.m.

Practical 2: Instrument conditioning

- Setting up HPLC parameter

DAY 2

9.00 a.m.
-12.30 p.m.

Practical 3: Sample preparation

- Preparation of sample (standard)
- Injection of sample

12.30 p.m.
-3.00 p.m.

Lunch

3.00 p.m.
-5.00 p.m.

Practical 4: Injection of sample

- Integration of result. RSD%
- Validation on HPLC method
- Maintenance of HPLC and column

Trainers



NUR SYAHIDAH SHAHARUDDIN

Nur Syahidah Shaharuddin graduated with MSc. in Metabolomics and Bsc. in Biotechnology from Universiti Putra Malaysia (UPM). She has expertise in research work involving analytical analysis for 10 years combined with chemometrics tools. Her field of interest is identification of marker or compound using liquid chromatography system and mass spectroscopic.



SITI NAHDATUL ISNAINI SAID HUSSIN

Siti Nahdatul Isnaini Said Hussin holds a B. Eng (Hons) in Biochemical Engineering (Biotechnology) and MSc in Microbial Biotechnology from UPM. She has experience in handling, maintaining and troubleshooting mass spectrometry system. Her research mainly focused on plant-pathogen interaction and macroalgae culture and cultivation.