

Two day Seminar with Practical Demonstration

on

Application of GC and HPLC techniques in Biotechnology and Pharma Industry

Who should attend?

The event is targeted for students/faculty of Chemical/Pharmaceuticals and Life Sciences

What you get?

- 1) Highly interactive
- 2) Live Demo
- 3) Multi-technique research approach
- 4) Certificate on completion


Venue and date

Date: 25th & 26th, April 2013

Time: 9.30 am to 5.00 pm

Venue: Conference hall, VMSRF.

Registration fee Rs. 1500/- (Inclusive of conference kit, Lunch & Refreshment)

 Vittal Mallya
Scientific Research
Foundation

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Topics to be covered

1. Introduction:

- a) Importance of these chromatographic techniques.
- b) Nature and types of chromatography.
- c) Types of techniques and when to be used.
- d) Advantages of GC/HPLC techniques over other analytical techniques.

2. High Performance (pressure) Liquid Chromatography (HPLC):

- a) History & Introduction of HPLC.
- b) Instrumentation.
- c) Detectors.
- d) Columns.

3. Real time applications:

- a) Impurity profiling of drug molecules.
Eg: Nutraceuticals and Anti-tumor molecules
- b) Biotransformation of some drugs

4. Gas Chromatography (GC)

- a) Introduction to GC.
- b) Instrumentation.
- c) Detectors.
- d) Columns.
- e) Sample preparation.

5. GC-Application

- a) Estimation of fatty acid.
- b) Estimation of volatiles in plant.
- c) Identification of compounds using GCMS.
- d) Separation of Chiral molecules

6. Live demonstration on HPLC and GC instruments

- Admission on first-come-first-serve basis
- Seats limited to 30 only

RSVP: Dr. G.C.Reddy /

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