



Skill Development Course On

“High Performance Liquid Chromatography (HPLC), Gas Chromatography (GC) and FPLC”

As a part of

Diamond Jubilee Celebrations of NIT (REC), Warangal

15th – 20th July, 2019

Organized by

Coordinators:

Dr. P. Sreenivasa Rao & Dr. Rama Raju.B

Department of Biotechnology

National Institute of Technology, Warangal – 506 004,

Telangana State, India

In Association with



Sponsors



Overview of the workshop:

Chromatography has become a key tool for separation, identification, purification and quantification of several compounds. Chromatography plays an important role in Biotech/Pharma/Chemical/Food and beverage industry. It also play a major role in environmental testing laboratories for the analysis and identification of contaminants and pollutants. Chromatography is under constant development and there is an enormous demand for skilled/trained persons in chromatography research, Quality Control (QC) and management in above mentioned industries. Chromatography is a field, in which there is an inherent lag in teaching and learning of the concepts due to lack of exposure and opportunity to learn by hands-on experience. Researchers need to update and reorient themselves to meet the rapidly changing professional and scientific needs of the stakeholders. This workshop focuses on principles of chromatography, HPLC, GC and FPLC, software, data acquisition, qualitative and quantitative sample analysis, method development, report generation, calibration, validation troubleshooting and maintenance. Both theoretical knowledge and hands-on training of skills by experts in the field will provide an in-depth understanding of basic methods in chromatography.

Topics covered in the Workshop:

Lectures / Hands-on training on

- ✓ Principles of chromatography
- ✓ Introduction to GC, HPLC, FPLC and applications
- ✓ Sample analysis
- ✓ Method development
- ✓ Basics about Calibration & Validation
- ✓ Data acquisition
- ✓ Report generation
- ✓ Troubleshooting and maintenance of HPLC, GC and FPLC

Resource Persons:

Faculty members from NIT Warangal, IIT's and centrally funded Institutes/ Universities /Industry will deliver lectures and train the participants.

Registration is open to:

Any individual with Bachelors /Masters or higher degree (completed/pursuing) in Science/Engineering/Pharmacy or equivalent.

How to Apply:

Interested candidates can download registration form and scanned copy of filled-in registration form should be sent to sdconcg@gmail.com on or before **06-07-2019**. As the program is conducted in a hands-on sessions, the number of participants in the workshop is limited to 14. **Candidates are advised to apply early to avoid disappointment. Selected applicants will be intimated through E-mail** on or before **07-07-2019**.

Payment of Registration Fee: (Registration fee includes breakfast and working lunch)

After receiving the intimation about the selection, the applicant has to send the required registration fee in the form of online transfer in favor of **“Biotechnology Skill Development Course”** payable at Warangal (NIT Warangal Branch) on or before **10-07-2019**. Only after receiving the proof of payment of registration fee from the participants through E-mail, they will be sent confirmation of their participation through E-mail immediately.

Account Name	Biotechnology Skill Development Course
Account Number	38532903245
Bank	State Bank of India
Branch	REC Warangal (NIT Campus)
IFSC code	SBIN0020149

Registration Fee: Includes breakfast and working lunch

Students (UG/PG/Scholars)	Rs. 5,000/-
Faculty/Scientists	Rs. 7,500/-
Industry persons	Rs. 10,000/-

Accommodation:

Accommodation for outstation participants will be provided upon request and on payment basis in the Institute visitors block and/or international student's hostel. No travel assistance will be provided.

Brief profile of the Department of Biotechnology

The Department of Biotechnology was established in the year 2006 with B.Tech program in Biotechnology. It also offers doctoral program in Biotechnology. The Department has highly motivated, experienced and young faculty members carrying out research in key areas of biotechnology. At present 20 Ph.D scholars are carrying out their research work under the guidance of faculty in the department. The department has sophisticated instruments such as RT-PCR, HPLC, GC etc.. The department has already executed research projects and at present it has 10 research projects funded by DBT/DST/ICMR/CSIR, Govt. of India.

About NIT Warangal:

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight undergraduate and 32 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state of the art library, seminar halls, guest houses and research laboratories.

About Warangal:

Warangal is the second largest city of the new state of Telangana. It is situated at a distance of 140 km from the state capital Hyderabad (Nearest Airport). It is well connected by Rail (Kazipet Junction is two km away and Warangal Station is 12 km away) and by Road (NH 202). Warangal is renowned for its rich historical and cultural heritage. It was the seat of erstwhile Kakatiya dynasty. It is a seat of tourist attractions with a number of historical monuments like Thousand Pillars Temple, Warangal Fort, Bhadrakali Temple, Ramappa Temple and Laknavaram Lake located in a radius of 30 kms.



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REGISTRATION FORM

1. **Name:**
2. **Designation: Faculty/Scholar/Student/Industry person**
3. **Department:**
4. **Institution/Organization:**
5. **Address for Correspondence:**

E-Mail:

Phone / Mobile:

6. **Educational Qualifications:**
7. **Accommodation required: YES / NO**

(*On payment basis)

DASA International hostel (Male participants) Rs. 200/day

Visitors Block (Female participants) Rs.200/day

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration.

Place:

Date:

Signature of the Applicant

For any queries regarding this workshop, please contact:

Dr.P.Sreenivasa Rao Dr. Rama Raju.B

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E-mail: sdconcg@gmail.com