

## **REGISTRATION FORM**

### **HAND'S ON TRAINING On SPECTRAL AND CHROMATOGRAPHY TECHNIQUES**

*Organized by*

**DEPARTMENT OF CHEMISTRY**

**30<sup>th</sup> September, 2019**

Name :

Department :

Subject :

Institutional Address :

Telephone :

E-mail :

Date :

Place :

Signature

All future correspondence will be sent only by E Mail  
(Xerox copies of the Registration form are also accepted)

#### **Dates to remember**

Last date to receive registration: 26<sup>th</sup> September, 2019

#### **Registration**

The registration form duly filled should be sent to the following mail id

[chemistry.hod@kahedu.edu.in](mailto:chemistry.hod@kahedu.edu.in)

phone: 9047174142

This is for the orientation of researchers and students in the disciplines of basic sciences. The objective of the hand's on training is to provide an interactive platform to enhance the understanding of greener synthesis, analytical instruments like UV and IR spectrometer as well as providing knowledge in chromatography.

#### **Workshop module**

The workshop involves theory and practical sessions. Each participant is provided with hands on training during practical session in the following techniques.

- ♦ Microwave Assisted Synthesis
- ♦ Thin Layer Chromatography(TLC)
- ♦ Column Chromatography
- ♦ Gas Chromatography
- ♦ UV –Visible Spectrometer

A batch of 50 students will be selected for the Hand's on training based on first come first serve basis.

#### **Participants**

Final year under graduate and post graduate students of the following disciplines

- ❖ Chemistry
- ❖ Biotechnology
- ❖ Biochemistry

#### **Convenor**

Dr. S. Ravi

Professor and head

Department of chemistry

Karpagam Academy of Higher Education

Coimbatore-21

#### **Organizing Secretary**

Dr. M. Makeswari, Assistant Professor

#### **Organizing committee**

Dr. A. Thangamani, Associate Professor

Dr. M.R. Ezhilarasi, Associate Professor

Dr.K.Sundaram, Assistant Professor

## **HAND'S ON TRAINING**

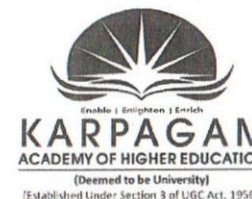
*On*

### **SPECTRAL AND CHROMATOGRAPHY TECHNIQUES**

***30<sup>th</sup> September, 2019***

*Organized by*

**DEPARTMENT OF CHEMISTRY**



**KARPAGAM ACADEMY OF HIGHER EDUCATION**

*(Deemed to be University)*

*(Established Under Section 3 of UGC Act 1956)*

Pollachi Main Road, Eachanari Post,

Coimbatore-641021. INDIA

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Fax No.: +91-422-2980022, 2980023

E-mail: [info@karpagam.com](mailto:info@karpagam.com)

Web : <http://www.kahedu.edu.in>



## ABOUT THE INSTITUTION

**Karpagam Charity Trust** was founded in the year 1989 with the aim of providing excellent educational facilities by imparting practical knowledge and skills to the youth and also catering the needs of the society in general through charitable deeds. The Karpagam Arts and Science College (Autonomous) evolved into Karpagam Academy of Higher Education in the year 2008 for the purpose of conferment of Deemed to be University status by Ministry of Human Resource Development, Vide No. F.9.24/2004.U.3 (A) dated 25.08.08.

consistent endeavor to achieve excellence in education and we work towards ensuring that our students too strive relentlessly to excel in their efforts. Be it Arts or Science, Commerce or Management, Humanities or Engineering we ensure that our education epitomizes excellence in every sphere.

Steered by the dynamic spirit of our President, Dr. R. Vasanthakumar, an eminent industrialist and philanthropist and the extensive experiences of Shri. K. Murugaiah, CEO, Dr. S. Sudalaimuthu Vice-Chancellor and Dr.R. Sundararajan, Registrar of our Institution will continue to initiate the emergence of excellence.

Our Institution has been ranked under ELITE category for the quality of research (Current Science, 107:3-389-396, 2014) in India.

## Department of Chemistry

The Department is running Undergraduate (UG), Postgraduate (PG), M.Phil. and Ph.D. programs. The Department is equipped with sophisticated instruments like UV-Visible spectrometer, IR Spectrometer, Gas Chromatographic analyser, Micro wave oven, etc. The main objective of the department is to impart knowledge among the students in basic areas of Chemistry. Apart

from the core papers knowledge about the latest trends in Chemistry including Green Chemistry, Medicinal Chemistry and Nano Chemistry are also included in the regular curriculum. Further the Department provides training to the students in the sophisticated instruments like IR Spectrometer, Gas Chromatography, Microwave synthesizer, etc. to the Undergraduate and Post graduate students to fit them to Industries and to research organizations like CSIR, DAE, etc.

## Research

At Karpagam, we always believe that education is endless; the more you delve deeper, the more you realize there is still a lot to discover. Hence, our endeavours are aimed at continuing to foster research activities in every stream. Each of our schools has a dedicated agenda and a clear vision to establish path breaking theories with the ultimate objective of unearthing new and showcasing fascinating discoveries to the world.

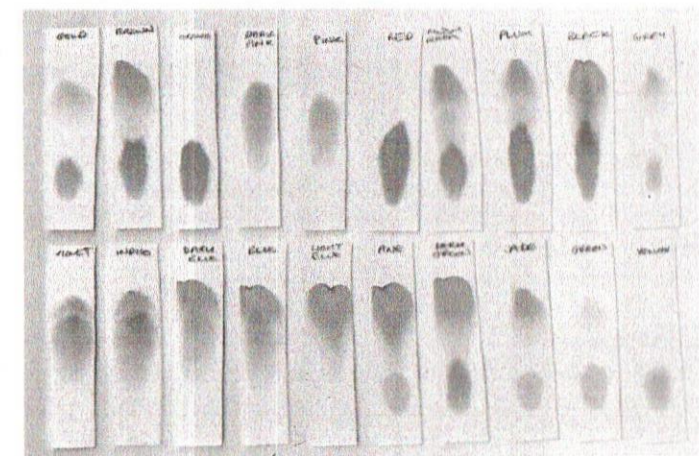
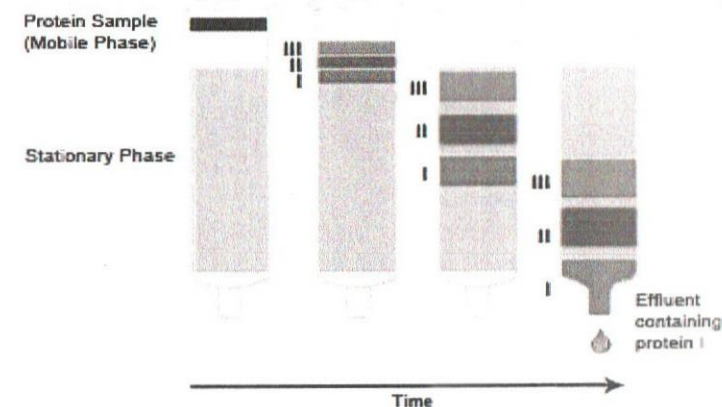
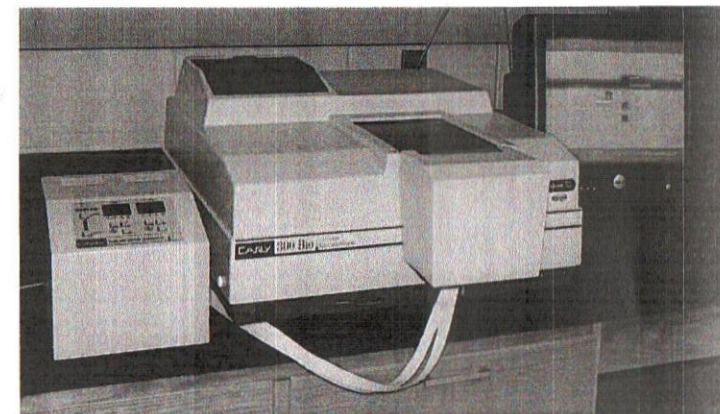
## About the Hand's on Training

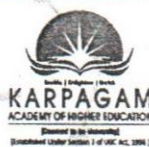
The Management of Karpagam Academy of Higher Education is kind enough to share its facilities with other institutions for imparting quality education. With this in view, a **Hand's on Training is arranged for the research thirst**

**Registration fee: Rs. 250/-**

## Theme

Hands on training on "Spectral and Chromatography Techniques"





## KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)  
(Established Under Section 3 of UGC Act, 1956)  
Eachanari Post, Coimbatore - 641 021

### Department of Chemistry

*Cordially invite you all for the*  
*Hand's on Training*  
*on*  
**SPECTRAL AND CHROMATOGRAPHY TECHNIQUES**

On Monday, 30<sup>th</sup> September 2019

**Dr. S. Sudalaimuthu**  
Vice Chancellor  
*Inaugurates*

**Dr. S. Ravi**  
Convenor

**Dr. M. Makeswari**  
Organizing Secretary



*Time : 10.00 am*

*Venue: Bharathi Hall*





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Eachanari Post, Coimbatore-641021, Tamilnadu, India.

### FACULTY OF ARTS SCIENCE AND HUMMANITIES

#### DEPARTMENT OF CHEMISTRY

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A brief Report on the Hands on Training programme on **“Spectral and Chromatographic Techniques”** on 30<sup>th</sup> September 2019 in Karpagam Academy of Higher Education.

We have organized a hands on training programme on “Spectral and chromatographic techniques” on 30<sup>th</sup> September 2019 for the B.Sc and M.Sc students from karpagam Academy of Higher Education. The programme covered training in UV-Visible spectrophotometer, Gas chromatography, TLC, column chromatography and Microwave synthesis. About 45 students were participated in the programme. The programme started by 9.30am and concluded at 4.30 pm.

Students were divided into four batches and the training was given in rotation in three different places

1. Microbiology lab: Microwave synthesis
2. DST Laboratory : UV-Visible and Gas chromatography technique
3. Chemistry Laboratory: TLC and Column chromatographic techniques.

The following staff members and research scholars gave the training

1. Dr.S.Ravi
2. Dr.M.R.Ezhilarasi
3. Dr.K.Sundaram
4. Dr.M.Makeswari (Organising Secretary)
5. Ms.B.Prabha
6. Ms.Dharani (Research Scholar)

The Lab assistants Mrs. S.Sangeetha, Ms.Priya and MS.Kanimozhi also supported the programme. Students from II.M.Sc and I M.Sc Chemistry were used as volunteers for registration and necessary arrangements.

The training went on well and all the students participated enthusiastically. There was a good interaction between the trainers and the trainees. All the students opined that it was very useful when they will opt for jobs in the industries and for their future studies.

