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INFORMATION BROCHURE

Workshop on Analytical Instruments

12-16 September, 2011



KARPAGAM
UNIVERSITY
(Under Section 3 of UGC Act 1956)

Karpagam University Instrument Facility (KUIF)
Karpagam University, Pollachi Main Road, Eachanari Post
Coimbatore -641 021

www.karpagamuniv.com



5 DAYS WORKSHOP ON ANALYTICAL INSTRUMENTS

KARPAGAM UNIVERSITY is established under section 3 of UGC Act 1956, of University Grants Commission, New Delhi by the Ministry of Human Resources development of India, New Delhi. Karpagam Arts and Science College is evolved into University in a span of 15 years. The university is located in a serene atmosphere in two sprawling campuses of 30 acres and 100 acres.

Blending of quality education, industry and heritage is the main focus of the University. The newly formed the University is taking a number of steps to promote higher education and research in this region. There are 18 schools with 48 departments and 79 programs in the University.

Karpagam University has set up an Instruments Facility (KUIF) funded by DST to provide sophisticated analytical instruments to help research workers pursue important developments / R&D activities requiring such facilities and for optimal utilization of available resources.

KUIF will also offer solution to analytical problems, including sample preparation, development of analytical methods for specific needs and interpretation of results, etc. It will also organize courses / workshops regularly on the use and application of various instruments and analytical techniques; train technicians for maintenance and operation of sophisticated instruments and provide consultancy/R&D facilities to the industries in the region and help them in measurement, calibration and testing of quality of raw materials and end products. The services provided at KUIF are available to any user from anywhere in the country. The services are offered on payment of nominal charges. It is free for all internal users for research purposes.

The workshop would include

1. Qualitative and Quantitative analysis of the

- A. Essential oil samples with Gas chromatography
- B. Organic and inorganic samples with UV-Visible Spectrophotometer (Photometry and kinetic studies).
- C. Organic and inorganic samples using Fourier Transform Infra Red Spectrophotometer (FT-IR)

Qualitative and Quantitative analysis of Phytoconstituents and Pharmaceuticals

- A. By High Pressure Liquid Chromatography (HPLC)
- B. By High Pressure Thin Layer Chromatography (HPTLC)

Q Who needs it?

A University faculty fellows and young scientists interested in demonstrating / doing analytical techniques in their classes / studies will greatly benefit from this Training. The training is specifically planned and geared for the participants to have 'hands on' workshop in these techniques in the lab in front of the instruments. Class size is limited to ensure an ideal learning environment and for personalized attention.

Registration

Filled in registration forms should reach the Co-ordinator by post / email / fax on or before August 25, 2011. Only limited seats are available. Deserving candidates will be selected on 'first come first served' basis. Selected candidates should pay a registration fee of Rs.5000/- (including accommodation) through DD drawn in favour of Karpagam University payable at Coimbatore, after the confirmation of admission the organizers send by over phone, email or fax. Registration fee covers workshop kit, working lunch and refreshments. The workshop kit includes a lab manual and writing accessories.

Accommodation

Accommodation for participants can be arranged within the college premises for all the participants. Travelling and daily expenses have to be borne by the participants.