

Workshop on 'Phyto-Pharmaceuticals –
Traditional to Recent Advancements'

17th – 18th December, 2015

REGISTRATION FORM

Name :

Course /Designation :

Institution :
Institutional Address :
(Telephone, E-mail)

Residential Address :
(Telephone, E-mail)

Contact Phone No. :

E-mail ID :

Registration fee enclosed : Yes / No
If Yes,

DD No. / Receipt No. :
Name of the Bank & Branch :
Date :
Amount :

Place: _____
Date: _____
Signature of the participant

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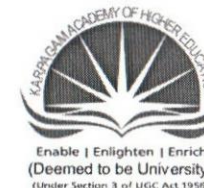
Organizing Secretary
Dr. A. Sangilimuthu
Assistant Professor
Department of Biotechnology,
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Workshop Organizing Team
Dr. A. Sangilimuthu
Dr. G.R. Prabu
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Karpagam Academy of Higher Education

This workshop exercise will enable students to efficiently extract and isolate the phytoconstituents from plant sources.

Workshop on 'Phyto-pharmaceuticals –
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Organized by

Department of Biotechnology

KARPAGAM ACADEMY OF HIGHER EDUCATION
(Established Under Section 3 of UGC Act 1956)

Pollachi Main Road, Eachanari Post, Coimbatore - 641021.

Phone: 0422-6453777, 6471113-5; Fax: 0422-2611043

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

Karpagam Academy of Higher Education (KAHE)

KAHE was 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. The Karpagam Arts and Science College (Autonomous) was 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 its order No. F.9.24/2004. U.3 (A) dated 25.08.08.

Blending of quality education, industry and heritage is the main focus of the KAHE. The KAHE is taking a number of steps to promote higher education and research in this region. There are 29 departments and 79 programs in the KAHE. Extensive Ph.D program, KAHE- Industry Partnership, Entrepreneur Development Cell, Ashreya, a counseling cell and Innovation Incubator are special features of the KAHE.

Be it Arts or Science, Commerce or Management, Humanities or Engineering, ensure we that our education epitomizes excellence in every sphere. Steered by our dynamic Chairman Dr. R. Vasanthakumar, – an eminent industrialist and philanthropist and the extensive experience of Shri K. Murugaiah, CEO, Dr. R. M. Vasagam, Chancellor, Dr. S. Subramaniam, Vice- Chancellor and Dr. G. Sekar, Registrar, our institution is committed to inculcate research excellence.

The Department

The Department of Biotechnology at KAHE is a center for excellence in research. Biotechnology is the commercial application of living organisms and their metabolites can lead to the formation of pharmaceutical drugs. This implies a set of laboratory techniques developed within the last 20 years that have been responsible for the tremendous scientific and commercial interest in biotechnology, the rise of many new companies, and the redirection of research efforts and financial resources among established companies and universities. More than 75% of the students were placed in various companies during the last 5 years through our placement cell. Our students have received many awards from various Scientific Associations.

Academics

The Department offers 3-year UG degree and a 2-year PG degree, M.Phil and Ph.D research programme in Biotechnology. Emphasis is laid on the latest advancements in the field.

Facilities

The Department has a well-furnished Microbiology lab, Plant Tissue culture lab, Animal cell culture lab and Instrumentation lab. Walk-in cold room, computer lab and Central Instrumentation Facility with well sophisticated instruments including HPLC, HPTLC, RT-PCR, AAS, FT-IR, Gel Documentation system, PCR, ELISA, Fermentor, Lyophilizer, Fluorescence microscope, UV-Visible Spectrophotometer, animal house facility etc., are available for teaching and research activities.

The Training

This 2-days workshop program will provide hands-on training to the individuals/students regarding extraction and isolation of phyto-constituents using modern techniques and identifying the nature of phyto-constituents with spectral studies using respective standards. Additionally we will discuss the advantages of the phyto-molecules against various disease and disorders.

The objectives of the workshop are:

- To provide a platform on different types of phytoconstituents extraction methods
- To provide hands-on practice to column chromatography, TLC techniques for the separation of phyto-constituents and
- To provide knowledge and training to analyze the isolated molecules by spectral studies (UV-Vis, GC).

Venue

The workshop will be held at the Department of Biotechnology, KAHE, Eachanari-Post, Pollachi Main Road, Coimbatore – 641 021.

PARTICIPANTS

B.Sc./ M.Sc., students and research scholars of Botany / Microbiology / Biochemistry / Biotechnology disciplines.

REGISTRATION FEE

Student participant ----- Rs. 500/-
Research Scholar ----- Rs. 600/-
Faculty member ----- Rs. 750/-
(covers Training manual, working lunch and refreshments)

The participants can pay the registration fee through a crossed bank draft drawn in favour of 'Karpagam Academy of Higher Education', payable at Coimbatore and shall send the same along with the duly filled registration form on or before **11th December, 2015** to:

CORRESPONDENCE

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Training Schedule

Day 1			17 th December, 2015
From	To	Topic	
9:00 AM	9:30 AM	Registration	
10:00 AM	10:30 AM	Inaugural Session	
10:30 AM	11:15 AM	Lecture	
11:15 AM	11:30 AM	Refreshment	
11:30 AM	01:00 PM	Hands-on session: Extraction methods	
01:00 PM	02:00 PM	Lunch Break	
02:00 PM	02:45 PM	Lecture: chromatography techniques	
02:45 PM	03:30 PM	Hands-on session : Column chromatography	
03:30 PM	03:45 PM	Tea Break	
03:45 PM	04.30 PM	Hands-on session : TLC	
Day 2			18 th December, 2015
From	To	Topic	
09:30 AM	10:45 AM	Theory Session – Spectral studies	
10:45 AM	11:30 AM	UV-Visible spectroscopy analysis	
11:30 AM	11:45 AM	Tea Break	
11:45 AM	01:00 PM	Gas chromatograph Analysis	
01:00 AM	02:00 PM	Lunch break	
02:00 PM	03:00 PM	Theory session	
03:00 PM	03:30 PM	Feed back & Tea	
03:30 PM	04:00 PM	Valedictory function and certificate distribution	

3.3.2

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Workshop Completion report

The workshop on '**Phyto-Pharmaceuticals – Traditional to Recent Advancements**' on 17th -18th December, 2015 (**Batch I**) and 21st -22nd December, 2015 (**Batch II**) in the Biotechnology Department have successfully completed. Totally 82 participants including faculties, research scholars and UG, PG biotechnology, Biochemistry students from various institutions throughout Tamilnadu including **Sharmila Institute of Medicinal Products Academy (SIMPRA), Thanjavur; Jamal Mohamed College, Trichy; The Gandhigram Rural Institute, Dindigul; Sri Krishna Arts and Science College, Coimbatore; Dr.NGP arts and Science College, Coimbatore; Nehru Arts and Science College; Coimbatore; Kongunadu Arts and Science College, Coimbatore; Hindusthan College of Arts and Science, Coimbatore; Sree Narayana Guru College, Coimbatore and Government Arts College, Coimbatore**, attended. Based on the participants feed back, the programme was useful to the participants especially techniques on extraction and separation of phyto molecules. They also suggested giving individual experiments and operation of Gas chromatography, UV-Visible spectrophotometer. Finally our Department HOD Dr..A.Manickam distributed the participation certificates to the participants.

