

## NATIONAL SEMINAR

On

### INDIGENOUS HERBS AND BONE HEALTH

21<sup>st</sup> & 22<sup>nd</sup> June 2017

Organized by

#### DEPARTMENT OF BIOCHEMISTRY AND BIOINFORMATICS

*Funded Partially By  
Indian Council of Medical Research  
(ICMR), New Delhi*



**KARPAGAM UNIVERSITY**  
KARPAGAM ACADEMY OF HIGHER EDUCATION  
(Deemed University Established Under Section 3 of UGC Act, 1956)  
Pollachi Main Road, Eachanari Post,  
Coimbatore - 641021.

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

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## ABOUT THE UNIVERSITY

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.

Karpagam Academy of Higher Education was evolved 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.

The University Education, in today's scenario, is witnessing a huge paradigm shift and at Karpagam, we are geared to be a part of that transformation. We ensure that our education epitomizes excellence in every sphere.

Steered by the dynamic spirit of our Chancellor, Dr.R.Vasanthakumar, an eminent industrialist and philanthropist, Shri.K.Murugaiah, CEO, Dr.S.Sudalaimuthu, Vice Chancellor and Dr.R.Sundararajan, Registrar (i/c), work together to initiate the emergence of excellence.

We are ranked 90 in the top universities (NIRF) by MHRD,

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

## DEPARTMENT OF BIOCHEMISTRY

Established in the year 1995 with UG and extended with PG in 1999. The research was seeded in the year 2003. We have major and minor projects funded by ICMR, UGC, DST and Ministry of Forest and Environment. The thrust area of research includes Cancer biology, Diabetes, Bone Health, Natural Products and Nanobiotechnology. The department has more than 200 publications in high impact journals. Some of the research findings were also patented and a **confidential disclosure agreement with Nuray Chemicals, Pvt Ltd, Chennai was signed for the discovery of drug for diabetes.**

- The Department of Biochemistry has well equipped laboratories with sophisticated equipments, well established Animal house and a separate lab for Animal and Plant Tissue culture Research.

## ABOUT THE SEMINAR

A number of bone disorders including Osteoporosis, Paget's Disease, Osteogenesis Imperfecta, Bone Cancers, Rickets, Osteomalacia and acromegaly, resulting from either a malformation of the bones or a loss of their mineral density, are widespread in India. Indians mostly wear clothes that cover the entire body, leaving little or no skin exposed to the sun. A large number of youngsters in urban India who step out apply sunscreens liberally, again avoiding sun exposure. All these factors make Indians more susceptible to osteomalacia due to vitamin D deficiency. Many therapeutic agents like estrogen, selective estrogen receptor modulators raloxifen, bisphosphonates and calcitonin have been developed to treat bone disorders, but each one of them are associated with side effects such as hypercalcemia, hypercalciuria, increased risk of endometrial cancer and hot flushes. A number of indigenous herbs are widely used conventionally which are known to exert less or no side effects. The seminar is intended to discuss the impact of indigenous herbs on the treatment of a variety of bone disorders.

## SCIENTIFIC SESSION

The scope of the proposed seminar will include the following areas:

- **Etiology of Bone diseases**
- **Prevalence of bone diseases**
- **Understanding complications of various bone disease**
- **Diagnosis-Traditional to modern**
- **Treatment modalities-Conventional and alternative**
- **Management of bone related diseases**

## LEVEL OF PARTICIPANTS

Professors, Scientists, Research Scholars, Students from Indian Universities, Colleges, Research Institutes, Medical Colleges, Cancer Research Foundations, Hospitals etc., could also attend the conference by sending the registration form along with Demand draft in favor of “**Karpagam University**” payable at Coimbatore to the Convener on or before 10<sup>th</sup> June, 2017. Spot registration may also be permitted on prior request. Registration fee includes working lunch and Refreshments.

## REGISTRATION FEES

Students Rs 500

Research Scholars Rs 750

Academicians, Scientists Rs 1000

For On- spot registration Rs 1200

(Lodging will be provided to participants in guest house and hotels of their own expense)

## ABSTRACT SUBMISSION (FOR ORAL/POSTER)

Abstracts should be submitted in MS-word format with the following specifications. Times New Roman, font size 12 and double spacing, as soft and hard copy. Abstract should not exceed 250 words. The soft copy of the abstracts must be sent to

**E-mail address: nsihbh.bc.ku@gmail.com.**

**Last date for abstract submission on or before  
10<sup>th</sup> June, 2017.**

## ORAL/ POSTER PRESENTATION (90x120 cm) AWARDS

- 2 Best Oral Presentation Award
- 2 Best Poster Award

## INVITED SPEAKERS

**1.Dr. N. Selvamurugan**, Professor, SRM University.

**2.Dr. Ritu Trivedi, Scientist**, CDRI, Lucknow.

**3.Dr. Divya Singh, Scientist**, CDRI, Lucknow.

**4.Dr. A. Sureshkumar**, CLRI, Chennai.

**5.Dr. R. Ilangovan**, Assistant Professor, Univ of Madras, Chennai.

**6.Dr. M. Sridhar Muthusami**, Assistant Professor, KU, Cbe

## ORGANIZING COMMITTEE

### Chief Patron

**Dr. R. Vasanthakumar**

Chancellor, KU, Coimbatore

### Patrons

**Shri. K. Murugaiah**, Chief Executive Officer, KEI

**Dr. S. Sudalaimuthu**, Vice-Chancellor, KU

**Dr. R. Sundararajan**, Registrar (ic), KU

**Dr. M. Palanisamy**, Dean, FASH, KU

### Convenor:

**Dr. K. Devaki**, Associate Professor and Head

Department of Biochemistry, KU

### Organizing Secretaries

**Dr. M. Sridhar Muthusami**, Assistant Professor

**Dr. L. Hariprasath**, Assistant Professor

### Executive Committee Members

**Dr. K. Poornima**, Associate Professor

**Dr. J. Anitha**, Assistant Professor

### CONTACT

**Dr. M. Sridhar Muthusami**

Organizing Secretary, NSIHBH'2017,  
Karpagam University

Email: nsihbh.bc.ku@gmail.com

Mobile: 9789747602, 9677671195

## REGISTRATION FORM

### NATIONAL SEMINAR On

### INDIGENOUS HERBS AND BONE HEALTH

**21<sup>st</sup> & 22<sup>nd</sup> June, 2017**

Full Name :

Designation :

Institution Name :

Address :

Contact No :

E Mail :

Title of the abstract (s) :

Preference: ( ) Oral ( ) Poster :

Category (Student / Research Scholar /  
Teacher / Scientist) :

Mode of Payment:

a) Cash

b) DD :

DD No and Date :

Amount : Rs

Name of the bank :

Accommodation Required: Yes/ No:  
(On Participants expense)

Date :

Place :

Signature

(Photostat copies of the registration form are also accepted)

## **Event Write-up**

### **National Seminar on Indigenous herbs and bone health**

Bone is a very dynamic organ in the body that is constantly remodeling and changing shape to adapt to the daily forces placed upon it. There are various medical conditions that causes bone disease like Osteoporosis, Osteogenesis imperfecta, Paget disease of bone, Osteomalacia, Rickets, Bone tumors etc. Worldwide, osteoporosis causes more than 8.9 million fractures annually, resulting in an osteoporotic fracture every 3 seconds. Osteoporosis is estimated to affect 200 million women worldwide. It is more common in women than men. Worldwide, 1 in 3 women over age 50 will experience osteoporotic fractures, as will 1 in 5 men aged over 50. By 2050, the worldwide incidence of hip fracture in men is projected to increase by 310% and 240% in women, compared to rates in 1990. The combined lifetime risk for hip, forearm and vertebral fractures coming to clinical attention is around 40%, equivalent to the risk for cardiovascular disease. According to 2015 census 20%, ie, ~46 million, are women in India have osteoporosis. The conventional treatment regimen for bone diseases are associated with side effects. Hence, this seminar is intended to discuss on the recent advances in bone health and indigenous herbs.

The event started with the inauguration session which included welcome address from the convenor Dr. K. Devaki, Head, Department of Biochemistry. This is followed by presidential address from Dr. S. Sudalaimuthu, Vice Chancellor and felicitation by Dr. M. Palaniswamy, Dean, FASH. The Seminar included invited lectures from Dr. N. Selvamurugan, Dr. Ritu Trivedi, Dr. Divya Singh, Dr. R. Ilangoan and Dr. A. Sureshkumar on different aspects of bone health and indigenous herbs. Dr. K. Poornima, Dr. L. Hariprasath, Dr. J. Anitha and Dr. S. Priyanga presented a memento as a token of gratitude to the resource persons. A special lecture is delivered by the organizing secretary Dr. M. Sridhar Muthusami. 12 oral presentations and 9 poster presentation from research scholars were selected for the seminar. 50 participants benefited from the seminar. The participants raised questions and sought clarifications during invited lectures and oral presentations. They also actively interacted with the persons involved in the poster presentation. Two best oral and poster presentations received a cash award and certificate. The seminar ended with vote of thanks from the organizing secretary Dr. M. Sridhar Muthusami, who thanked the University authorities, Resource persons, participants and ICMR



## Release of Souvenir



## Oral Presentation being judged by Panel Members



## Honouring the Speakers

