

Science Academies' Lecture Workshop on  
"Recent trends in Microbiology and  
Biotechnology"

27<sup>th</sup> & 28<sup>th</sup> June, 2018

REGISTRATION FORM

Name :

Programme & Branch :

Designation :

Institution :

Institutional Address  
(Telephone, E-mail) :

Residential Address  
(Telephone, E-mail) :

Contact Phone No. :

E-mail ID :

Mobile No. :

Date: Signature of the participant

Place:

Convener

Dr. D. J. Bagyaraj,

INSA Honorary Scientist and Chairman,  
Centre for Natural Biological Resources and Community  
Development,  
Bengaluru – 560 024.

Coordinator

Dr. A. SANGILIMUTHU

Assistant Professor  
Department of Biotechnology  
Karpagam Academy of Higher Education  
Coimbatore-641021, Tamil Nadu

Venue of the workshop

The two days Lecture Workshop will be held at Bharathi  
Hall, Karpagam Academy of Higher Education, Eachanari-Post,  
Pollachi Main Road, Coimbatore – 641 021.

Who should attend the workshop

Students undergoing B.Sc./M.Sc./M.Phil./Ph.D. in Botany / Zoology  
/ Microbiology / Biochemistry / Biotechnology / Bioinformatics  
degree from recognized institutions, Teachers and industry peoples.



Science Academies' Lecture  
Workshop on "Recent trends in  
Microbiology and Biotechnology"

27<sup>th</sup> & 28<sup>th</sup> June, 2018

Organized by

Department of Biotechnology



Enable | Enliven | Enrich  
**KARPAGAM**  
ACADEMY OF HIGHER EDUCATION  
(Deemed to be University)  
(Established Under Section 3 of UGC Act, 1956)

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Coimbatore – 641 021, Tamil Nadu, India

Sponsored by

IASc-INSA-NASI Joint Science Education Panel



## Karpagam Academy of Higher Education

Karpagam Academy of Higher Education 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 (Autonomous) was evolved into Karpagam University 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 University. The University is taking a number of steps to promote higher education and research in this region. There are 29 departments and 79 programs in the University. Extensive Ph.D program, KAHE- Industry Partnership and Entrepreneur Development Cell are the special features of the University.

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 Chancellor, Dr. R. Vasanthakumar – eminent industrialist and philanthropist and the extensive experience of Shri. K. Murugaiah, the Advisor, Dr. S. Sudalaimuthu, Vice- Chancellor and Dr.R.Sundararajan, Registrar, our University will continue to initiate the emergence of excellence.

### The Department

**The Department of Biotechnology** at KAHE is a center for excellence in research. Biotechnology is "the commercial application of living organisms or their products, which involves the deliberate manipulation of their DNA molecules." 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. The Department was started in 2001 and has consistently delivered 100% results. More than 100 students were placed in various companies during the last 3 years through our placement cell. The Department holds to its credit 6 students as entrepreneurs. Students of Biotechnology have received many awards from various Scientific Associations.

### Academics

The Department offers 3 year undergraduate and a 2 year post graduate courses in Biotechnology. Emphasis is laid on the latest advancements in the field.

### Workshop

This workshop gives in depth knowledge in the field of Microbiology and Biotechnology. In Microbiology will discuss the microorganism and their role in human being and environment as well various industrial application of biotechnological tools and its importance to the society. This workshop deals with microorganism and their useful and harmful aspects to the society. In addition this lecture workshop will be discussing the various biotechnological methods to produce transgenic crops and pharmaceutical applications. This platform will give basic idea of biological research on microbiology and biotechnology in human welfare.

### Science Academies

Indian Academy of Sciences (IAS), Bangalore founded in 1943 by Sir C.V.Raman, aims at promoting the progress and upholding the cause of science in pure and applied branches. Its major activities include publication and scientific journals and special volumes, recognition of scientific talent and its improvement of science education. As part of the science education programmes, the Indian Academy of Sciences in Bangalore in association with Indian National Science Academy (INSA), New Delhi and Indian National Academy of Sciences (INAS), Allahabad organizes various programmes for the improvement of science education in the Universities and colleges throughout the country.

### Registration Fees

**There is no registration fee to attend this lecture workshop.** Tea and lunch will be provided to the participants. The number of participants is limited to 150 on "First come first serve basis". Those who wish to participate in the lecture workshop should send their filled registration form on or before to 22<sup>nd</sup> June, 2018 to

### Dr. A. Sangilimuthu Coordinator

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Department of Biotechnology  
Karpagam Academy of Higher Education,  
Eachanari (Post), Pollachi Main Road,  
Coimbatore-641021, Tamil Nadu, India.  
E-mail: smuthu.al@gmail.com; Phone: +91-9047298492.

## Workshop Schedule

27 <sup>th</sup> June, 2018 (Wednesday)		
09.15 – 10.00 am : Registration 10.00 – 10.15 am : Inauguration		
DURATION	SPEAKER	TITLE
10.15-11.15 am	<b>Prof. D. Bagyaraj Joseph</b> NASI Sr. Scientist & Chairman, CNBRCD, Bengaluru.	AM Fungi and Interaction with Other Soil Organisms
TEA BREAK		
11.30-12.45 pm	<b>Dr. N.O. Gopal</b> Professor, Department of Agri Microbiology, TNAU, Coimbatore	Recent advances in plant microbe interaction
LUNCH BREAK		
1.45-3.00 pm	<b>Dr. N.O. Gopal</b> Professor, Department of Agri Microbiology, TNAU, Coimbatore	Recent trends in Biological Nitrogen Fixation
TEA BREAK		
3.15-4.30 pm	<b>Prof. K.R.Shivanna</b> Odekar Farms, Nandihalli, Tumkur, Karnataka	"Global pollination crisis": Implications for sustenance of crop productivity
28 <sup>th</sup> June, 2018 (Thursday)		
9.30-11.00 am	<b>Prof. K. R. Shivanna</b> Odekar Farms, Nandihalli, Tumkur, Karnataka	Wild relatives of cultivated species as important bioresources for genes needed for crop improvement
TEA BREAK		
11.15-12.30 pm	<b>Dr Harinikumar K.M</b> Dept. of Biotechnology University of Agricultural Sciences, Bengaluru 500065	Biofuels
LUNCH BREAK		
1.30- 2.45 pm	<b>Dr Harinikumar K.M</b> Dept. of Biotechnology University of Agricultural Sciences, Bengaluru 500065	Microbial Biotechnology
TEA BREAK		
3.00-4.00 pm	<b>Prof. D. Bagyaraj Joseph</b> NASI Sr. Scientist & Chairman, CNBRCD, Bengaluru.	Microbes - a promising source for human medicine
Valediction		