

Decennium year 2017-2018

**WORKSHOP
ON
SCREENING OF MICROBIAL
METABOLITES-II**

19th and 20th December, 2017

*Organized by
Department of Microbiology*



Enable | Enlighten | Enrich
(Deemed to be University)
(Under Section 3 of UGC Act 1956)

**KARPAGAM ACADEMY OF
HIGHER EDUCATION**

KARPAGAM UNIVERSITY

(Deemed to be University Established Under Section 3 of UGC Act, 1956)

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ABOUT THE INSTITUTION

The Karpagam Academy of Higher Education is located in a sprawling, green, lush campus extending 26 acres. It has emerged from Karpagam Arts & Science College (Autonomous) a unit under the Karpagam Charity Trust established in 1989 founded by the great philanthropist, industrialist and educationist Dr.R.Vasanthakumar with the vision of instilling originality in the learning minds, impart quality and value-based education and engage in Research and Development.

Karpagam Academy of Higher Education was conferred Deemed to be University status by the Ministry of Human Resource Development in August 2008 under section 3 of the UGC Act 1956. It is a recognized Deemed University by the UGC. It is a member of the Association of Indian Universities. The University has been accredited with „B“ Grade by the NAAC in 2015. It has been Ranked 90th place by NIRF, MHRD, Government of India in 2017.

Steered by the dynamic spirit of Shri. K. Murugaiah, CEO, Dr. S. Sudalaimuthu, Vice-Chancellor and Dr. R. Sundararajan, Registrar, our University will continue to emerge and excel.

DEPARTMENT OF MICROBIOLOGY

The Department of Microbiology established in the year 2002. The department B.Sc., M.Sc., M. Phil. and Ph.D. research program. The department is equipped with well-qualified and experienced faculty members. The department has projects in the disciplines supported by various funding agencies like DBT, DST and UGC. The mission of our department is to promote quality and value-based education by motivating the practical skills of students and creating awareness on the advances in Microbiology and research worldwide, which will make each student a global citizen and a responsible citizen. The department is a renovator to seek remedy for the future vision and mission.

ABOUT THE PROGRAMME

The objective of this workshop is to provide basics of microbial metabolites, techniques involved in screening, isolation of secondary metabolites producing endophytes from plant sources. The endophytic microbes produce pharmaceutically important compounds such as taxol; also they are involved in industrial production of enzymes. Thus the participants will have a clear idea on sources of secondary metabolites, enzymes and its production.

TECHNICAL DETAILS

- ✓ Isolation of endophytic fungi and bacteria from medicinal plants.
- ✓ Antagonistic potential of fluorescent *Pseudomonas* against plant pathogens.
- ✓ Screening for enzymes such as cellulase, amylase and protease.
- ✓ Screening for siderophore producers, and phosphate solubilizers.

SELECTION

The interested participants are requested to send the filled in registration form for the work shop on or before 15th December, 2017. Only 30 candidates will be selected based on their relevance to the workshop and intimated by e- mail.

REGISTRATION

The selected participants can send their registration form and registration fee by DD drawn in favor of "Karpagam University" payable at Coimbatore to the program Organizing Secretary on or before 15th December, 2017. Registration fee includes Working lunch and Refreshments.

Category	Registration
Students (UG and PG)	Rs.300/-

ADDRESS FOR COMMUNICATION

Dr. M. Palaniswamy
Convener

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Head, Department of Microbiology,
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ORGANIZING COMMITTEE

Chief Patron

Dr. R. Vasanthakumar

(Chairman, Managing Trustee, Karpagam Educational Institutions)

Patrons

Shri. K. Murugaiah

CEO, Karpagam Educational Institutions.

Dr. S. Sudalaimuthu

Vice-Chancellor, Karpagam University.

Dr. R. Sudararajan

Registrar, Karpagam University.

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Assistant Professor, Department of Microbiology,

Dr. V. Usha Rani

Assistant Professor, Department of Microbiology,

Ms. P. Akilandeswari

Assistant Professor, Department of Microbiology,

Dr. K. S. NathigaNambi

Assistant Professor, Department of Microbiology,

Karpagam University.

REGISTRATION FORM WORKSHOP ON SCREENING OF MICROBIAL METABOLITES 19th and 20th DECEMBER 2017

Title :

Name :

Designation :

Institutional Address :

Contact Number :

E-mail Id :

Registration fee enclosed: Yes / No

DD No. and Date :

Amount : Rs.

Name of the Bank &
Branch :

Signature

Date :

Place:

(Xerox copies of the Registration form are also accepted)

Workshop on “Screening of microbial metabolites- II” December 2017.

The second workshop on screening of microbial metabolites was conducted by Department of microbiology at PG laboratory at 10:00 A.M. The event was inaugurated by **Dr. R. Usha**, Associate Professor and the students were welcomed. The Technical sessions were handled by **Dr. S. Ramalakshmi** on “Industrial microbiology-An overview” and **Dr. P. Srinivasan** on “Endophytic fungi and active metabolites” respectively. About 40 participants from various colleges, UG, PG students of microbiology and biochemistry also participated for the two day event. The techniques involved in screening, isolation of secondary metabolites producing entophytes from plant sources. They were given hands-on-training on all the techniques. The participants had a clear idea on sources of secondary metabolites and enzymes and its production. The valedictory function was at 4:00 P.M and students feedback on the program was recorded.

