

About –Karpagam Academy of Higher Education

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 with the noble objective of creating unique men and women to serve and lead the society.

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 recognised Deemed University by the UGC. It is a member of the Association of Indian Universities. The University has been accredited by the NAAC in 2015. It has been Ranked 90th place by NIRF, MHRD, Government of India in 2017.

The University has 4 Faculties - Faculty of Arts, Science and Humanities, Faculty of Engineering, Faculty of Architecture and Faculty of Pharmacy. It has 25 Departments offering a wide range of 78 academic programmes from graduation to doctorate levels. The University has more than 6,000 students on campus, with a strong contingent of more than 750 teaching faculty & non teaching faculty. Well supported by an almost equal number of administrative and support staff. Faculty have got good number of research projects with financial support from various funding agencies like DBT / DST / ICMR and have filed more than 45 patents. As many as 2000 Research papers have been published by our faculty in SCOPUS and Peer Reviewed Journals. The University has entered collaboration with foreign Universities, Industries, and Research bodies for mutual benefit. The Institute ensures that education epitomizes excellence in every sphere and students are prepared to take on the challenges of the day and become the next generation leaders.

About the Department

The Department of Biochemistry was established in the year 1995 with UG and extended with PG in 1999. The research was seeded in the year 2003. The Department has major and minor projects funded by ICMR, UGC, DST and Ministry of Forest and Environment. The thrust areas of research include 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 separate labs for Animal and Plant Tissue culture Research.

About the Workshop

Animal experimental data in preclinical research is vital for conducting human trials. The initial efficacy and safety of the drug/lead candidate is determined in the preclinical phase of the drug development process. Animal ethics is an important objective of the Committee for the Purpose of Control and Supervision on Animals (CPCSEA), a statutory committee in India which approves animal house facilities and the conduct of animal experiments in educational and research institutions. Understanding and learning of animal handling and care is essential for any individual working on experimental animals.

Animal house facility at Karpagam Academy of Higher Education is recognized by CPCSEA for the conduct of animal experiments. We strictly adhere to the guidelines for animal handling and care. This workshop targets to train young students (graduate and post-graduate level) and researchers on handling of small experimental animals such as mice, rats in a humane manner. Participants will be exposed to procedures such as handling and restraint, sex differentiation, various routes of drug administration, collection of blood sample, and euthanasia. Apart from the above procedures, the workshop also prepares the participants on the selection of appropriate animal models to study diseases and writing a protocol, animal ethics, and structure of animal ethical committees. All individuals would get relevant expert demo and hands-on training prior to designing their own animal based work.

SCIENTIFIC SESSION

The following topics would be covered in the workshop:

- Introduction to experimental animals
- Handling and restraint
- Routes of drug administration in mice and rats
- Collection of blood sample
- Necropsy and removal of vital organs
- Anesthesia and Euthanasia
- Designing an animal study protocol
- Institutional animal ethics committee

LEVEL OF PARTICIPANTS

Research Scholars, Students from Indian Universities, Colleges, Research Institutes, Medical Colleges etc., could attend the Workshop by sending the registration form along with Demand draft in favor of "Karpagam Academy of Higher Education" payable at Coimbatore to the Convener on or before 30th September, 2019. Registration fee includes working lunch and refreshments.

REGISTRATION FEES

Students / Research Scholars	Rs. 500
Academicians, Scientists	Rs. 1000
(Lodging will be provided to participants in guest house and hotels of their own expense)	

RESOURCE PERSONS

Dr. L. Hariprasath
Assistant Professor

Dr. M. Sridhar Muthusami
Associate Professor

Ms. R. Annapoorani
Technician