



**National Seminar on  
"FOOD SAFETY AND SECURITY"**

**19<sup>th</sup> & 20<sup>th</sup> December, 2018**

**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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*President, Karpagam Academy of Higher  
Education*

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**CONVENER**

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**Organizing Secretary**

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*Assistant Professor*

*Department of Biotechnology, FASH*

**Co-ordinators**

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**Dr. S.Barathkumar**

**Dr. C.Rajkuberan**

**Dr. U.Ushani**

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**Dr. A.Arunkumar**

**Dr. J.Anburaj**

**Dr. A.R Sumayya.**

**Dr. R.S.Saranya**

Department of Biotechnology, FASH, KAHE

**NATIONAL SEMINAR ON  
"FOOD SAFETY AND SECURITY"**

**19<sup>th</sup> - 20<sup>th</sup>, December 2018**

**Organized by**

**DEPARTMENT OF BIOTECHNOLOGY**  
*(Faculty of Arts Science and Humanities)*



Enable | Enlighten | Enrich

**KARPAGAM**  
**ACADEMY OF HIGHER EDUCATION**

**(Deemed to be University)**

**(Established Under Section 3 of UGC Act, 1956 )**

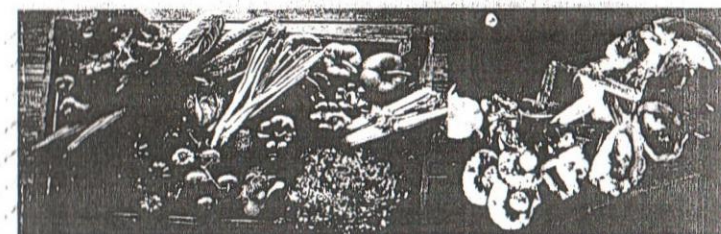
**KARPAGAM ACADEMY OF HIGHER EDUCATION**

**(Deemed to be University, 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.kaheedu.edu.in>**





## 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 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 recognized 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 Faculty - 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 5,000 students on campus, with a strong contingent of more than 350 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 1600 Research papers have been published by our faculty in SCOPUS and Peer Reviewed Journals. The University has entered collaboration with foreign Universities, industries, 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.

## THE DEPARTMENT

The Department of Biotechnology at KAHE is a center for excellence in research. Our department mission is the development of new technologies and product based on the sole applications of the life sciences. 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, 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.

## Seminar

This 2-days seminar program will provide new ideas to the individuals/students regarding the basic techniques in food safety and security using simple techniques. The workshop covers the topics regarding synthesis and characterization of bioactive compounds agro waste using food safety techniques and assessing their food security properties at invitro level to ensure food quality.

## The objectives of the seminar are:

- This seminar would emphasis the importance of product safety and security which is an emerging area with in the domain risk management in food biotechnology
- The seminar would focus on the need of food safety standards and finding the middle ground between providing food safety without sacrificing food security.
- The experts resource people would deliver the lecture on current innovative technologies and trainings in food biotechnology

## VENUE

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

## PARTICIPANTS

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

## REGISTRATION FEE

The seminar programme is restricted to 30 participants (first cum first basis).

Student participant ----- Rs. 500/-

Research Scholar -----Rs. 750/-

Faculty member -----Rs. 1000/-

( covers seminar kit, working lunch and refreshments)

The interested 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 10 & 11 December, 2018 to the correspondence mentioned below

## ADDRESS FOR CORRESPONDENCE

**Dr. ARCHANA.G**

Organizing Secretary,

Department of Biotechnology, FASH

Karpagam Academy of Higher Education

Eachanari (Post), Pollachi Main Road, Coimbatore - 641021.

E-mail: [archana.g@kahedu.edu.in](mailto:archana.g@kahedu.edu.in) Mobile: +91-9791082675

## SEMINAR SCHEDULE

S.No	Name and Address of Resource person	Proposed Title of the Talk
<b>Day 1 (19.12.2018)</b>		
<b>Registration</b>		
<b>Phase I</b>		
1.	Dr.M.Anand Associate Professor, Department of Marine and Coastal Studies School of Energy Sciences, Madurai Kamaraj University, Madurai.	Lecture talk on "Food Safety in a perspective of common man"
2.	Dr.M.Anand Associate Professor, Department of Marine and Coastal Studies School of Energy Sciences, Madurai Kamaraj University, Madurai.	Lecture talk on "Entrepreneurs hip in Marine Aquaculture Industry"
<b>Phase II</b>		
3.	Dr.M.Anand Associate Professor, Department of Marine and Coastal Studies School of Energy Sciences, Madurai Kamaraj University, Madurai.	Lecture talk & Demo on fish processing
<b>Day 2 (20.12.2018)</b>		
<b>Phase III</b>		
4.	Dr. S. Sumathi Assistant Professor Department of Biochemistry and Biotechnology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641043	Lecture talk on Listen to your gut-are bioengineered foods safe?
5.	Dr. S. Sumathi Assistant Professor Department of Biochemistry and Biotechnology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641043	Lecture talk on Diet and Cancer.
<b>Phase IV</b>		
6.	Poster Presentation	



## **Report on National Seminar on "FOOD SAFETY AND SECURITY"**

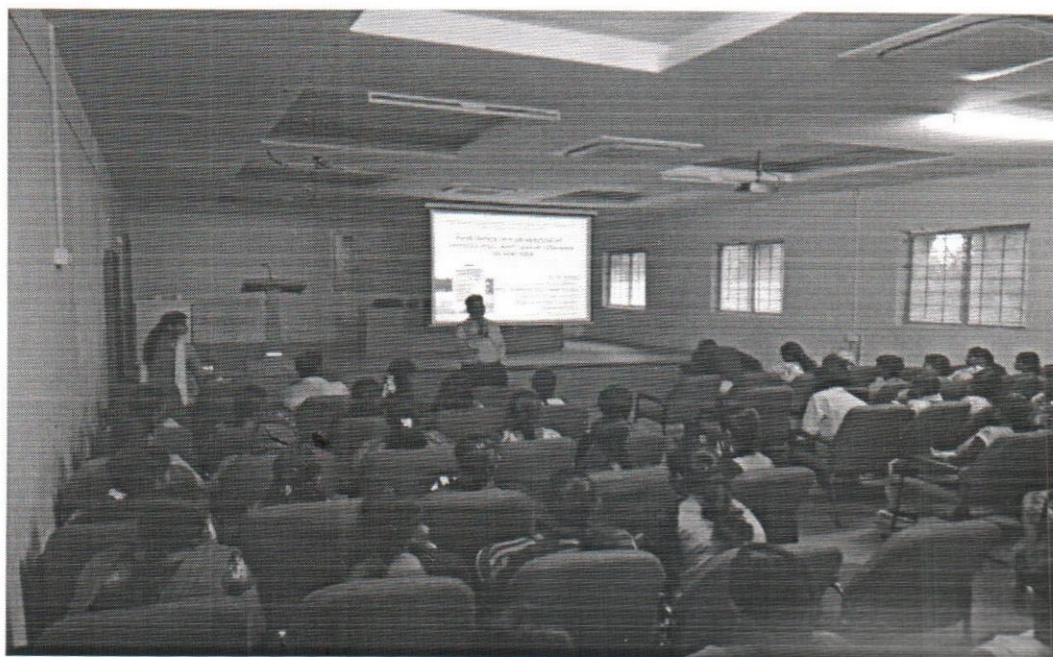
**19th & 20th December, 2018**

As the Department of Biotechnology, conducted a National Seminar on "FOOD SAFETY AND SECURITY" conducted by Dr. G.Archana {Assit.profeser-Dept of Biotechnology, KAHE} on 19<sup>th</sup> and 20<sup>th</sup> of December 2018 [Venue: Karpagam Academy of Higher Education]. There were nearly thirty students who attended the National seminar. There was the presence of two well qualified speakers Dr.M.Anand, Associate Professor & Co-ordinator [sea club], Department of Marine and Coastal Studies, Madurai Kamaraj University, Madurai and Dr.S.Sumathi, MSc, MPhil, PhD, Assistant Professor, Department of Biotechnology, Avinashilingam Institute of Home Science & Higher Education for Women Coimbatore. The first day of Conference was Carried out by Dr.M. Anand and his Lecture was about Marine Animals and Food. His lecture gave a splendid information about Marine Food. He gave elaborate information about consuming particular marine food at particular month as each breed will have a different time interval for their reproduction period. After completion of the seminar the afternoon session was carried out as a training workshop on marine food, which was very useful for the students to identify the good quality of marine food. The hands on training on identification of edible and fresh fish species from landing was very precisely demonstrated by Dr.M. Anand. The after session questionnaire was provided to students on how they could themselves access the quality of edible fish by their own simple parameters learned from the training session.

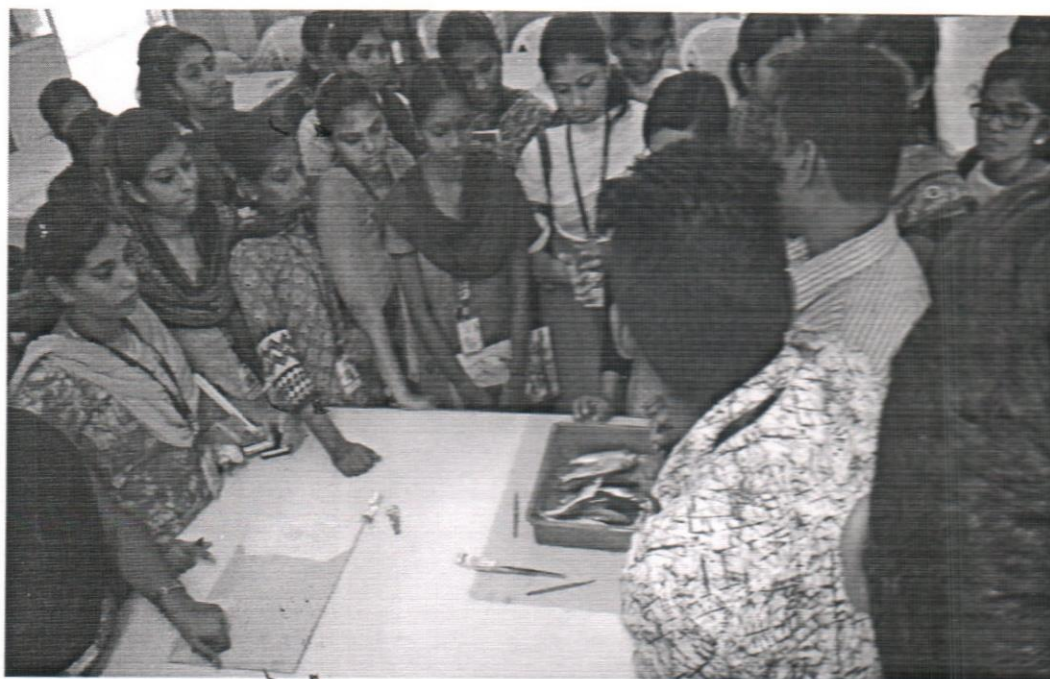
The Second day of the seminar was carried out by Dr.S.Sumathi and her Lecture was about Genetically Modified Food. She delivered a wonderful lecture with real time information about genetically modified foods and their impact on Human life. She also gave a brief distinguish between organic foods and genetically modified foods. She continued with Junk Food hazards and Genetical problems faced by the next generation. After completion of the forenoon seminar, the afternoon session was carried out as a poster presentation on biosensors food, which was performed by the students from Rathinam College of Arts and Science. They presented well which exposed their high throughput on the relevant field.

Thus this seminar was very much useful to target academic and scientific communities especially to the students and had a good exposure about food and the safety and its implications on day today life.





Resource person delivering lecture notes to the audience



Resource person demonstrating the training on selection and identification of seafood samples