

ORGANIZING COMMITTEE

Chief Patron

Dr. R. Vasanthakumari, Managing Trustee,
Karpagam Educational Institutions (KEI)

Patrons

Shri. K. Murugesiah, Chief Executive Officer, KEI
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Dr. R. Sundararajan, Registrar, KAHF
Dr. M. Palanisamy, Dean, JAMH, KAHF

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Dr. L. Harigovindhan, Assistant Professor, Department of Biochemistry, KAHF
Dr. S. Priyanka, Assistant Professor, Department of Biochemistry, KAHF
Dr. A. Manikumar, Assistant Professor, Department of Biochemistry, KAHF
Mr. S. Rajasankaran, Assistant Professor, Department of Biochemistry, KAHF

Advisory Committee

Dr. J. Jayakumaran, Professor and Head, Department of Bioinformatics, Alagappa University, Karaikal
Dr. Rina Trivedi, Senior Scientist, CDRI, Lucknow
Dr. Divya Singh, Senior Scientist, CDRI, Lucknow
Dr. Stanley Nithyanandam, Scientist, University of California, USA
Dr. R. Palam, Instructor, University of Nebraska Medical Centre, Omaha, NE, USA
Dr. A. Jane Stanley, Assistant Research Scientist, Texas A & M University, USA
Dr. J. Christel, Scientist, University of California, USA
Dr. V.K. Gopikrishnan, Professor, Department of Chemistry, Aksum University, Ethiopia

Registration fees include lunch and refreshments on all three days of conference along with conference kit.
Spot registration is allowed only for participation after obtaining prior approval from the Organizing Committee.

Address For Correspondence

Dr. K. Poornima
Organizing Secretary, Department of Biochemistry
Karpagam Academy of Higher Education
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About Coimbatore

Coimbatore (also known as Kovvur) is situated at the foot hills of Nilgiris. It is popularly known for its pleasant climate, powerful atmosphere, scenic beauty and private enterprises. Marudamalai Temple, Koodal Ganga Waterfalls and Suryanagar Dam, Isha Yoga Centre, Annamalai Wildlife Sanctuary are the most famous tourist places in and around Coimbatore. The famous well known institutions such as Tamil Nadu Agricultural University, Annamalai University, PGJ Institute, The Pioneer Institute, Imperial Bazaar Research Institute (IBRI) are also situated in and around Coimbatore. Uthamandurai also called as Ooty, Quana of Hills is just 10 km from Coimbatore. Botanical garden, Rose garden, Ooty lake, Mudumalai Wildlife Sanctuary, Malaiyilam, Vellar catchment area, Kaveri Hills, Pykara water falls and lake are few attractions in Ooty.



Transport And Access

The university can be reached through road, flight and train.

By Road

The University is situated 10 km from Coimbatore, on the junction of Coimbatore - Pollachi National Highway (NH - 209) & Coimbatore Bypass road (NH 47), Tamil Nadu, India. Participants can also take bus from Gandhinagar/Akashwari Junction (Bus route Number 10) to reach Karpagam Academy of Higher Education - from Gandhinagar B4, 12, from Coimbatore junction 33, and all these buses would stop at UKAHE.

By Flight

The nearest airport is Coimbatore International Airport. The University is situated 15 km from the Coimbatore Airport.

By Train

The nearest railway station is Coimbatore Junction. The University is situated 10 km from the Coimbatore Railway Station.

Committee

Dr. K. Devaki, Associate Professor and Head,
Department of Biochemistry, KAHF

Organizing Secretaries

Dr. K. Poornima, Associate Professor, Department of Biochemistry, KAHF
Dr. M. Aridhar Mathiasand, Assistant Professor, Department of Biochemistry, KAHF



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

KARPGAM ACADEMY OF HIGHER EDUCATION
(Deemed to be University Established Under Section 3 of UGC Act, 1956)

INTERNATIONAL CONFERENCE ON BIOCHEMICAL UNDERSTANDING OF CANCER CELL SURVIVAL AND PROGRESSION [ICBUCCSP'18]

5th - 7th February, 2018

**Sponsored By
ICMR**



**Organized by
DEPARTMENT OF BIOCHEMISTRY**

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Coimbatore - 641021

Karagam Academy of Higher Education cordially welcome you to the International Conference on **Biochemical Understanding of Cancer Cell Survival and Progression (ICBUCCSP'18)** organized by the Department of Biochemistry, during 3rd to 7th February, 2018.

This conference is an excellent platform for students, research scholars, academicians and industrialists to exchange their views and also to interact with eminent delegates from various countries.

About – Karagam Academy of Higher Education

The Karagam Academy of Higher Education is located in a sprawling, green, lush campus extending 26 Hectares. It has emerged from Karagam Arts & Science College (Autonomous) a unit under the Karagam Charitable Trust established in 1989 founded by the great philanthropist, industrialist and educationist Dr. R. Viswanathakumar 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.

Karagam 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 80th place by NIRF, MHRD and Government of India in 2017.

The University has four streams – 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 5000 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 members are handling good number of research projects with financial support from various funding agencies like DST, DST-ICMR and have filed more than 47 patents. As many as 1400 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 opportunities are available to every eligible student and 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 Programme and started offering PG in 1999. The research was seeded in the year 2003. The Department has both major and minor projects funded by ICMR, UGC, DST and Ministry of Forest and Environment. The latest 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 filed for patent and a confidential disclosure agreement with Noury Chemicals, Pvt. Ltd. Chennai was signed for the discovery of anti diabetic drug.

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

The Department of Biochemistry has MoU with the Free State University, South Africa for Natural Product Research.

About the Conference

- The incidence of cancer is increasing globally at a rapid pace
- One woman dies of cervical cancer every 8 minutes in India
- For every 2 women newly diagnosed with breast cancer, one woman dies of it in India
- As many as 2,500 persons die every day due to tobacco-related diseases in India
- Smoking accounts for 1 in 5 deaths among men and 1 in 20 deaths among women, accounting for an estimated 9,30,000 deaths in 2010

Taking these statistics into account, it is necessary to understand the biochemical aspects of cancer progression, which is the core theme of the proposed event. The scientific deliberation would evolve new ideas, compare the prognostic and diagnostic markers of different cancers, and identify possible cures taking among biological factors for cancer cell survival and progression. Hence, a blend of clinical experts and renowned research scientists have given their consent to deliver lectures, this conference will provide a platform for researchers and clinicians to interact and explore the possibility of extending the bench research to bed side (Clinical study). This seminar is intended to consolidate the various findings on cancer cell survival and enrich the young participants to get clarity in their research area and to explore further. The evolved new ideas could be pursued by the researcher and would help in effective formulation for cancer treatment.

The conference will proceed with the following themes:

- Biology of cancer progression
- Prognostic and diagnostic markers of cancer
- Conventional and Alternative treatment modalities
- Drugs targeting cancer cell survival
- Drugs targeting cancer cell proliferation
- Drugs targeting DNA damage

WHO CAN PARTICIPATE?

Research scholars, Post-graduate students from Indian Universities, Colleges, Research Institutes, Medical Colleges, Cancer Research Foundations, Clinicians, Pharmacists, Ayurveda, Siddha, Homoeopathy and Unani practitioners are the intended beneficiary participants.

CALL FOR ABSTRACTS

Abstracts of original research papers adhering to the broad theme of conference with clear objective, methodology, results and conclusion has to be submitted for oral and poster presentation along with the registration form and fee. Abstracts will be reviewed by the scientific committee and assigned to appropriate theme. All abstracts should be submitted by email to conferenceregistration@gmail.com.

GUIDELINES

Abstracts for oral and poster presentation should be typed in Times New Roman with font size 12 and double spaced containing clear title, list of authors (Presenting author name to be in bold), affiliation and contact address to whom the acceptance has to be sent should be mentioned. Abstract should limit 250 words and 4-5 keywords.

Letter of acceptance will be sent by email.

TIMELINE FOR PRESENTATION

Each oral presentation is strictly limited to 10 minutes (including 3 minutes of discussion). The size of the poster should be 60 cm width and 120 cm length.

ORAL / POSTER PRESENTATION AWARDS

Attractive presentation will be considered for best presentation awards (both oral and poster)

REGISTRATION

Category	Early bird (INR)	After 5 th Jan 2018 (INR)	Spot Registration (INR)
PG Students	1500	1750	2000
Research Scholars	2000	2250	2500
Academicians	2500	2750	3000
Industry Persons	3000	3250	3500
Overseas Participants	155200	155250	NA

MODE OF PAYMENT

Demand draft drawn in favour of The Registrar, Karagam University payable at Coimbatore, TN, India, to be notified by sending scanned copy of the DD to the organizing secretary. The DD should be submitted in person or addressed to the organizing secretary.

IMPORTANT DATES TO BE NOTED

Abstract Submission deadline	3 rd January 2018
Early registration deadline	5 th January 2018
Last date for accommodation request	5 th January 2018
Abstract selection notification	Before 10 th January 2018
(Only by email)	

ACCOMMODATION

Accommodation will be arranged on payment basis for the delegates in hotel/private homestay near to the University on prior request.

KEY RESOURCE PERSONS

- Prof. Rakesh Kumar, Outingiswath Professor, Rajiv Gandhi Centre for Biotechnology, Trivandrum
Visiting Professor, Baylor College of Medicine, Houston, Texas, USA.
Dr. S. Sumana Thakur, Senior Scientist, Centre for Cellular and Molecular Biology, Hyderabad - 500 007
Prof. Woo-Yoon Park, Changbuk National University, South Korea
Dr. T. P. Kalanithi, Dean, KJ Somaiya, Coimbatore
Dr. PB. Padma, Professor, Department of BC, BT and BI, Avinashilingam University, Coimbatore
Dr. N. Selvamangalam, Professor, Department of Biochemistry, School of Biotechnology, SRM University, Chennai
Dr. A. Jose Stanley, Assistant Research Scientist, Texas A&M University, USA
Dr. B. Veeraganesan, Head, Department of Animal Health, Alagappa University, Karaikal
Dr. B. Ravindran, Head, Department of Endocrinology, University of Madras, Chennai
Dr. R. Rangaraj, Assistant Professor, Department of Endocrinology, University of Madras, Chennai
Dr. R. Satish, Associate Professor, Department of Biotechnology, School of Biotechnology, SRM University, Chennai
Dr. EM Shalika, Head, Department of Life Sciences, Central University of Tamilnadu, Tiruvannamalai
Dr. Indrajith Chaturvedi, Assistant Professor, Department of Life Sciences, Central University of Tamilnadu, Tiruvannamalai
Dr. A. Santhakumar, Scientist, Central Leather Research Institute, Chennai

We are ranked



90 Indian Rankings 2017
Among
All India Universities / Private
University Category in India



Event Writeup – International conference on “Biochemical understanding of Cancer Cell survival and progression”

The event started with the inauguration session, the head of the Department of Biochemistry, Dr. K. Devaki, welcomed the eminent speakers and scholars gathered for the conference which is followed by presidential address by the Vice Chancellor Dr. S. Sudalaimuthu, Dean FASH, Dr. M. Palaniswamy and Registrar, Dr. R. Sundararajan offered felicitation address. Organizing Secretary Dr. K. Poornima anchored the event and highlighted the significance of the conference. The inaugural lecture was delivered by Woo-Yoon Park on “Fused Tose Homolog, A Novel oncoprotein involve in the progression of cervical cancer”. Organizing Secretary Dr. M. Sridhar Muthusami delivered the Vote of Thanks.

Invited lecture 1 is delivered by Prof. N. Selvamurugan on the regulation of transforming growth factor - β 1 - stimulation activating transcription factor 3 in human breast cancer cells. He has highlighted the significance of TGF-B on the variety of signaling molecule activation in breast cancer and answered several questions raised by delegates and researchers after that oral presentation by research scholars were done. A total of 4 presentations were included in the session which was chaired by Prof. Woo-Yoon Park and Prof. N. Selvamurugan. They raised several clarifications and offered new strategies to further their research. The evaluations of the oral presentations were sealed and sent to the scrutiny committee.

After lunch Dr. B. Ravi Sankar, University of Madras talked about the utility of Glycogen synthase kinase-3 β (GSK-3 β): a tumor suppressor in hormone-dependent breast cancer cell line (MCF-7). He also touched upon the role of GSKB on breast cancer dependency on hormone such as estradiols and progesterone. Very importantly he offered few suggestions to circumvent triple negative breast cancers. After answering the questions, he offered to take few scholars for training at his department.

This was followed by a lecture from Dr. R. Ilangovan entitled “From Benign to Malignancy: decoding the mechanism of tumor progression” where he talked about Wnt signaling and Wnt inhibiting factors as therapeutic targets for oral and cervical cancer progression and highlighted the significance of senescence as novel strategy to circumvent cancer. After that oral presentation by research scholars were done. A total of 4 presentations were included in this session which was chaired by Prof. Ravi Sankar and R. Ilangovan. They raised several clarifications and offered new strategies to further their research. The evaluations of the oral presentations were sealed and sent to the scrutiny committee.

The second day started with the lecture of Prof. Rakesh Kumar on biology and therapeutic targeting of p21 associated kinases. He has enlightened the audience with his vast knowledge in his field and shared his experience Nobel laureates during his academics and research journey. In addition and interacted with the interested researches and gave solutions to their practical problems after the lecture. This was followed by a lecture by Prof. Michael Aruldas on sex steroids and thyroid cancer where he has highlighted several reasons for the gender preponderance of thyroid cancer incidence in women. Specifically he talked about the AR and ER expressions pattern difference as a prognostic marker for the onset of the disease. His expertise in this area using in-vivo, in-vitro and clinical studies was lucidly conveyed to the participants and answered several thought provoking questions. This is followed by oral presentation a total of 4 presentations were included in this session which was chaired by Prof.

Rakesh Kumar and Prof. M. Michael Aruldas. They raised several clarifications and offered new strategies to further their research. The evaluations of the oral presentations were sealed and sent to the scrutiny committee.

The delegates took a break for lunch and several discussions regarding the significance of focused learning and the importance of clinicians and researchers gathering to address specific initiatives were discussed during lunch.

After lunch Dr. E.M. Shanker, Dr. S. Yuvaraj and Dr. Indrani. C delivered lectures on Hyperinicin - Photodynamic therapy leads to apoptosis HepG2 cells via induction of IL-6 and cytotoxic ROS: newer mechanism of anti-tumor immunity in Hepatocellular carcinoma and Squamous cell carcinoma and bone destruction and gene signature. That drives Castration recurrent prostate cancer respectively. They also served as judges for the poster presentation, which was parallelly conducted during the afternoon session and suggested 3 researchers for the best presentation on several assessment criteria and conveyed the decision to the organizing committee members.

After all the scientific deliberations, cultural programs was conducted which included several means highlighting the societal responsibilities of researchers and humanity in general, dance programs and few songs from different cultural background of Indian states.

The delegates gathered on the third day to the venue and visited Isha Yoga and went back at 12 noon. After lunch Professor Vaseeharan gave a lecture on control effects of nanoparticles towards cancer cell lines. The sealed cover containing the evaluations of oral presentations and opened and the judges of various sessions discussed on various aspects and recommended 3 winners on oral presentations to organizing committee members. The valedictory function was conducted where the prizes for oral and poster presentations were announced and Dr. K. Poornima, Organizing Secretary thank all the delegates and requested to give feedback on various aspects and promised to address any shortcomings in the future events.

Prof. Woo-Yoon Park is presenting the lecture at the conference



Honouring the speakers



Inauguration session



Group photo with experts and participants

