

KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act 1956)

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International Conference on Advances in Therapeutic Molecules and Drug Design 9th – 11th January, 2019

Sponsored by



Department of Biotechnology (DBT), Government of India

**Organized by
SCHOOL OF LIFE SCIENCES**

The International conference on 'Advances on Therapeutic Molecules and Drug Design' was successfully conducted on January 09 - 11, 2019 by the School of Life Sciences in the premises of Karpagam Academy of Higher Education.

Lot of innovative inventions are springing forth every now and then in the research field of 'Drug design and Discovery'. In this background, the international conference was intended to set up a platform in order to disseminate the unprecedented and unique applications of computational and structural biology on designing efficient drug molecules for various diseases threatening/challenging the human life at global and as well at local levels.

The international conference was sponsored by **DBT-CTEP Management Cell, Government of India** and the letter content is herein given for a ready reference.

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To:eazhilarasen@yahoo.com

Cc:vc@kahedu.edu.in

31 Oct at 9:05 PM

Respected Sir,
Prof. T. SIVARAMAN
KARPAGAM ACADEMY OF HIGHER EDUCATION

Congratulations!

Your proposal with ID DBT/CTEP/01/20180947809 has been approved by DBT. You have been granted financial assistance of Rs. 75000. Financial assistance would be released as per DBT-CTEP norms.

Total number of participants for the conference was 427 and the participants were from KAHE and as well from many parts of the nation (376 participants from Microbiology / Biochemistry / Biotechnology, **FASH/ B.Tech. Biotechnology, FoE/ B.Pharm. FoP**, of KAHE and 51 participants from various institutions of Tamil Nadu, Kerala, Karnataka and Andhra Pradesh). The conference was inaugurated by **Honorable Vice-chancellor Dr. S. Sudalaimuthu**, KAHE and presidential address was delivered by **Senior Professor S. Karutha Pandian, Alagappa University, TN**. The organizing secretaries explicated the gist of the conference and acknowledged the KAHE, DBT, eminent speakers, conference participants and social media.

The conference consisted of 8 lectures including a virtual presentation by eminent scientists from various parts of the world. The invited lectures were delivered by **Dr. S. Karutha Pandian** (Senior Professor, Alagappa University), **Dr. Debasree Dutta** (Scientist E, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram), **Dr. Raj Bhaskaran** (Professor, College of Science and Technology, Savannah State University, USA), **Prof. N. Selvamurugan** (Professor, SRM University, Tamil Nadu), **Dr. E.M. Shankar** (Dean Life Sciences, Central University of Tamil Nadu), **Dr. P. Haribalan** (Research Professor, College of Life Science, Kyung Hee University, Republic of Korea) and **Dr. P. Gopinath** (Associate Professor, Department of Biotechnology, IIT, Roorkee). The virtual lecture was delivered by **Dr. Janarthanan Krishnamoorthy** (Application Scientist, A-STAR Research Institute, Singapore). A quite a number of participants raised questions, sought clarifications and actively involved in the discussions with the resource persons.

The lectures were useful to understand challenges and emerging paradigms in drug designing, molecular targets, lead optimization, drug delivery, drug resistance, translational medicine, stem cells and natural products. In addition, the conference was comprised of five oral sessions consisting of 37 presentations and a poster session consisting of 42 presentations. Three best presentations from each category (poster/oral) were selected by expert committees and the each winner was awarded a certificate of appreciation along with cash prize. All the conference participants including the invited speakers received certificates duly signed by convener and organizing secretaries of the conference. The DBT sponsorship was explicatively (with logo) mentioned in all the certificates. We trust that the conference was a platform for all the participants to share their views and knowledge on emerging trends in therapeutics with one another. The three days scientific deliberations were successfully completed with a valedictory address by Dr. Gopinath, IIT, Roorkee.

Photos taken during the course of the scientific events



Inauguration of the conference on Jan 9, 2019



Inauguration of the conference on Jan 9, 2019



Lighting the Lamp



Presidential address by Honorable Vice-Chancellor, KAHE



Inaugural address by Senior Prof. Karutha Pandian, Alagappa University, TN.



Vote of Thanks by Prof. T. Sivaraman, KAHE.



Releasing the ‘Conference Proceedings’



The gathering of spectators at the inauguration of the conference.



Prof. P. Gopinath, IIT, Roorkee meets our Honorable VC.



The gathering of spectators at the valedictory of the conference on Jan 11, 2019



A group photo of scientists from KAHE with invited speakers of the conference

ORGANISING COMMITTEE

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Dr. R. Vasanthakumar

Chairman, Karpagam Educational Institutions

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Dr. S. Sundararajan, Registrar

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Dr. M. Palaniswamy, Dean, Faculty of Arts, Science & Humanities

Organizing Secretaries

Dr. T. Sivaraman, Professor, Department of Biotechnology

Dr. M. Sridhar Muthusami, Assistant Professor, Department of Biochemistry

Dr. B.V. Pradeep, Associate Professor & Head, Department of Microbiology

Executive Committee Members

All faculty members of 'School of Life Sciences', FASH

PROGRAMME SCHEDULE OF THE CONFERENCE

Day 1, January 09, 2019	
08.30am to 09.30am	Registration of Delegates
09.30am to 11.05 am	Inaugural Session - Thirumandhiram Hall
Inaugural Agenda	
09.30 am	Prayer Song
09.35 am to 09.50 am	Welcome Address Dr. M. Palaniswamy Convener, ATMDD & Dean, FASH
09.50 am to 10.05 am	Presidential Address Dr. S. Sudalaimuthu Vice-Chancellor
10.05 am to 10.20 am	Inaugural Address Dr. S. Karutha Pandian Professor, Department of Biotechnology, Alagappa University, TN
10.20 am to 10.50 am	Felicitation Dr. G.K.D. Prasanna Venkatesan Dean, FoE Dr. R. Sundaraganapathy Dean, FoP
10.50 am to 11.05 am	Vote of Thanks Dr. T. Sivaraman Professor, Dept. of Biotechnology & Organizing Secretary, ATMDD
11.05 am to 11.20 am	Hi-Tea
SCIENTIFIC SESSION I MBA Hall	
12.10 pm	Speaker: Prof. S. Karutha Pandian Department of Biotechnology, Alagappa University, Karaikudi, TN Topic: Proteomics-driven explication of molecular mechanisms underlying anti-quorum sensing agents against bacterial and fungal pathogens
12.10 pm to 01.00 pm	Speaker: Dr. Debasree Dutta Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Kerala Topic: Induced pluripotent stem cells- a classic example of union of basic and translational research
01.00 pm to 01.45 pm	Lunch
SCIENTIFIC SESSION II MBA Hall	
01.45 pm to 02.35pm	Speaker: Dr. Wong Kah-Hui Department of Anatomy, University of Malaya, Malaysia Topic: Preclinical studies of culinary and medicinal mushroom, <i>Hericium</i>

	<i>erinaceus</i> (Bull.: Fr.) Pers. in the management of neurological deficits
02.35 pm to 03.55 pm	Oral Presentation Session I Chair Person: Prof. Raj Bhaskaran Co-chair Person: Dr. R. Usha OP-01 to OP-08
03.55 pm to 04.10pm	Tea
04.10 pm to 05.30 pm	Oral Presentation Session II Chair Person: Dr. Wong Kah-Hui Co-chair Person: Dr. T. Sivaraman OP-09 to OP-16
5.30 pm to 6.20 pm	Speaker: Prof. T. Sivaraman Department of Biotechnology, TN, India Topic: A novel BH3-mimetic compound as screened by 'peptidodnmimetic' method and its effect in a mammary carcinogenesis-induced rat model.

Day 2, January 10, 2019

SCIENTIFIC SESSION III

MBA Hall

09.10am to 10.00 am	Speaker: Prof. Raj Bhaskaran College of Science and Technology, Savannah State University, USA. Topic: Matrix Metalloelastase, the Therapeutic Target: From Substrate Specific Binding Sites to Drug Design Strategies.
10.00 am to 10.50 am	Speaker: Prof. N. Selvamurugan Department of Biotechnology, SRM University, TN, India Topic: Phytocompounds as Therapeutic Molecules for Bone Regeneration
10.50 am to 11.10 am	Tea Break
11.10 am to 12.00 am	Speaker: Dr. E.M. Shankar Department of Life Sciences, CUTN, Thiruvavur, TN, India Topic: Immune check-point molecules (ICMs): Newer targets in modern medicine to 'loosen the break' against chronic immune disorders and cancers
12.00 pm to 1.00 pm	Lunch
1.00 pm to 2.30 pm	Oral Presentation Session III Chair Person: Dr. N. Selvamurugan Co-chair Person: Dr. M. Sridhar Muthusami OP-17 to OP-24
2.30 pm to 4.00 pm	Oral Presentation Session IV Chair Person: Dr. E.M. Shankar Co-chair Person: Dr. L. Hariprasath OP-25 to OP-32
4.00 pm to 4.15 pm	Tea Break
4.15 pm to 5.45 pm	Oral Presentation Session V

	Chair Person: Dr. P. Haribalan Co-chair Person: Dr. K. Devaki OP-33 to OP-37
5.45 pm to 6.45 pm	Cultural Programme

Day 3, January 11, 2019

SCIENTIFIC SESSION IV

MBA Hall

09.10am to 10.00 am	Speaker: Dr. P. Gopinath Department of Biotechnology, IIT, Roorkee, India Topic: Cancer Nanotechnology: Nanoscale Approaches for Cancer Diagnosis and Therapy
10.00 am to 10.50 am	Speaker: Dr. Amutha Santhanam National Centre for Nanoscience and Nanotechnology UnoM, TN, India Topic: Applications of Nanoparticle technology in Drug delivery
10.50 am to 11.10 am	Tea Break
11.10 am to 12.00 am	Speaker: Dr. P. Haribalan College of Life Science, Kyung Hee University, Republic of Korea Topic: Nano-Based Biomaterials and Plant Derived Natural Products as Emerging Anti-cancer Therapeutics
12.00 pm to 1.00 pm	Lunch
1.00 pm to 3.00 pm	Poster Presentation
3.00 pm to 3.50 pm	Speaker: Dr. M. Sridhar Muthusami Department of Biochemistry, KAHE,TN, India Topic: Emerging strategies to circumvent cervical cancer
3.50 pm to 5.00 pm	Valedictory Function