



SRI VENKATESWARA COLLEGE OF ENGINEERING
(An Autonomous Institution –Affiliated to Anna University, Chennai)
Pennalur, Sriperumbudur taluk-602117, Tamil Nadu
Department of Applied Physics

International Webinar on “LASER-activated drugs for cancer treatment: A potential alternative to conventional chemotherapy
(3rd of August 2020)

An International Webinar Series on “Laser-activated drugs for cancer treatment: A potential alternative to conventional chemotherapy” was organized by The Department of Applied Physics using Cisco Webex Platform on 3rd of August 2020. An astonishing response shown towards this webinar by the participants from different countries like USA, Ethiopia and Nigeria, A total of 257 participants attended the webinar.

The Programme started with Presidential address given by **Dr.A.Bhaskaran** Professor and Head department of Applied Physics, followed by introduction of chief guest was given by Dr.N.R.Sheela Organising secretary of this program. Then the programme host Dr.N.R.Sheela handed over the session to the Speaker, **Gnanasekar Munirathinam, PhD** Associate Professor Department of Biomedical Sciences University of Illinois College of Medicine 1601 Parkview Ave Rockford, IL 61107 USA

He gave brain storming explanation on how Current conventional treatments such as chemotherapy and radiotherapy are not effective in eliminating cancer as it is often associated with severe side effects. An alternative treatment is the use of specialized light emitted from a laser device, which involves the activation of a photosensitizer by a defined wavelength of light in the presence of oxygen, generating transient concentrations of reactive oxygen species (ROS) to kill the cancer cells specifically. This type of treatment also known as photodynamic therapy (PDT) which has been shown to have great promise for cancer treatment with minimal side effects in patients. Further, his talk addresses for the past 5 years, findings from his own lab and working on developing laser-based treatment approach for aggressive cancers such as prostate and melanoma, and the promising results of the work was presented and discussed.

After the chief guest talk the floor was opened for Question and Answer session (Q and A). The speaker answered to the participants queries and Further, he proudly shared that many of our SVCE students were doing their MS under his mentorship. The Vote of thanks was delivered by Dr.N.R.Sheela Assistant Professor, Department of Applied Physics, indeed Organiser of the event. Participants gave Excellent feedback about the event during their Q and A session and also through email. After the feedback form was successfully submitted by the participants, E-certificates were sent to them through their registered email.

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 PENNALARU, SRIPERUMBUDUR TK - 602117, TAMILNADU
 Visit us @ www.svce.ac.in

DEPARTMENT OF APPLIED PHYSICS
 Proudly Presents An International Webinar
 on
"LASER - Activated Drugs for Cancer Treatment : A Potential Alternative to Conventional Chemotherapy"

[SPEAKER]
Dr. Gnanasekar Munirathinam, Ph.D
 Associate Professor
 Department of Biomedical Sciences
 University of Illinois,
 1601, Parkview Ave
 Rockford, IL 61107
 USA.


Convener
Prof. A. Bhaskaran,
 HoD - Applied Physics.

Organizing Secretary
Dr. N. R. Sheela,
 Asst. Prof - Applied Physics.

Coordinators
Dr. S. Sampath Krishnan, Prof - APH.
Dr. A. Ananda Vadivel, Asst - APH.
Ms. G. Bharathy, AP - APH.

AUGUST 03 2020

@ 5:00 PM to 6:00 PM (IST)
6:30 AM to 7:30 AM (CST)

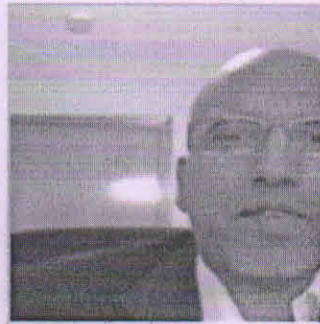
Scan to Explore

 Click Here To Register
<https://forms.gle/UJWHGepm057596bX7>

E - Certificate will be provided

During the International Webinar session on "LASER Activated Drugs for Cancer Treatment : A Potential Alternative to Conventional Chemotherapy" by Dr. Gnanasekar Munirathinam Associate Professor at University of Illinois(UIC) department of biomedical Engineering Rockford IL 61107, USA.



Dr.N.R Sheela (host)



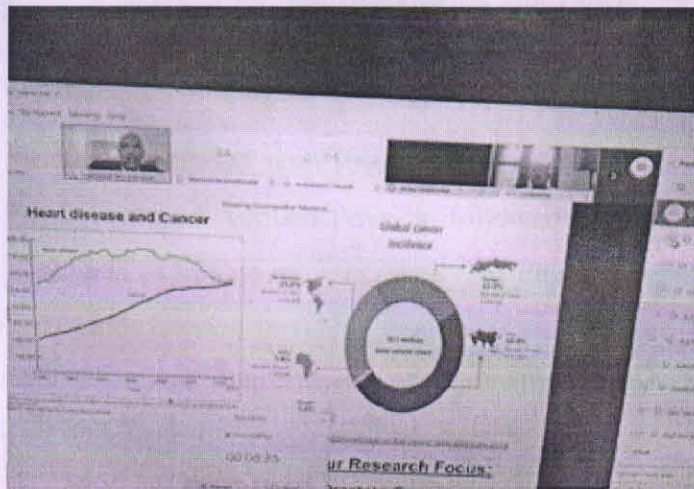
Gnanasekar Munirath...




Nakkeeran E (me)



BHASKARAN ARUMUGAM



Sincerely With Thanks and Regards
 Organising Secretary for the International Webinar Programme
Dr. N.R. Sheela
 Assistant Professor
 Department of Applied Physics
 Sri Venkateswara College of Engineering

Faculty Coordinator of the event

 (Dr. N.R. Sheela)


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 Professor And Head
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