

## ORGANIZING COMMITTEE

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**Dr.S.Ramachandran**

Principal, SAEC

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Head of the Department/ECE, SAEC

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**Dr.R.Radhika,** Professor./ECE

### Co-Convener

**Mr.M.Maria Rubiston,** Assistant Professor/ECE

### Mailing Address:

**Dr.R.Radhika,M.E.,Ph.D.,**

Coordinator,

National level seminar on

*“Clinical Advancements of Bio- Inspired Nanoparticles in Cancer Theranostics”*

Professor,

Department of ECE

S.A. Engineering College,

Poonamallee –Avadi Main Road

Thiruverkadu, Chennai – 600 077.

Tamilnadu, India.

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### VISION

To achieve overall excellence in education, by continuously upgrading the teaching learning process, and incorporating latest technological advancements happening worldwide with ethical responsibilities.

### MISSION

- To impart sound diversified technical competency and quality education for students to enhance the employability and ethical values.
- To provide conducive environment for faculty and students with excellent facilities to improve research activity.

## Topics of the Programme

### Day 1 – 16.11.2023 – FN Session

#### Inauguration

- Nano medicine in Cancer Theranostics
- Functional Nanostructures for cancer Detection and Treatment

### Day 1 – 16.11.2023 – AN Session

- Insights on Different Cancer path ways targeted by nanoparticles

### Day 2 – 17.11.2023 – FN Session

- InfraRed thermography, a non-invasive technique for cancer diagnosis
- Inorganic Nanoparticles in cancer

### Day 2 – 17.11.2023 – AN Session

- Bio Inspired Nanomaterials in Cancer Theranostics

#### Valedictory

*Speakers for the seminar are from Public , private sectors and renowned Institutions.*

## Registration Link

<https://forms.gle/UvqXGzIYDPcUJPfo9>



## Important Dates

Submission of filled in application : Oct 27<sup>th</sup> 2023  
Intimation of Selection : Oct 30<sup>th</sup> 2023  
Confirmation of participants via E-mail : Nov 5<sup>st</sup> 2023

## National level Seminar

on

*“Clinical Advancements of Bio- Inspired Nanoparticles in Cancer Theranostics”*

**16.11.2023 to 17.11.2023**

*Sponsored by*

**BOARD OF RESEARCH IN NUCLEAR SCIENCES  
(BRNS)**



*Convener*

**Dr.R.Radhika, Prof./ECE**

*Co Convener*

**Mr.M.Maria Rubiston, Asst. Prof./ECE**

*Organized by*

**Department of Electronics and Communication  
Engineering**



**S.A. ENGINEERING COLLEGE**

(Accredited by NAAC with “A” Grade and ISO 9001:2015 Certified Institution)

Poonamallee –Avadi Main Road  
Thiruverkadu, Chennai – 600 077.

Tamilnadu, India.

Phone : 044 -2680 1999, 2680 1499

Web : [www.saec.ac.in](http://www.saec.ac.in)

## About SAEC

S.A. Engineering College, an outcome of Dharma Naidu Educational & Charitable Trust was established in the year 1998. College has spacious, high infrastructure and peaceful surroundings with 4 lakhs sq.ft of constructed area. The campus comprises aesthetically designed buildings that are networked by fiber optic cables and Wi-Fi. SAEC has emerged as one of the premier professional institutions in this region within a short span of time. The college maintains a high standard of education by providing a wide array of world class academic facilities, employing highly qualified and experienced faculty members and creating an ambience conducive for quality education. The college offers 10 UG courses in Engineering and 6 PG courses, affiliated to Anna University and approved by AICTE. The Institution is accredited by NBA and NAAC with 'A' grade.

### FOUNDER

**(Late) Shri.D.Sudharssanam**

### BOARD OF TRUSTEES

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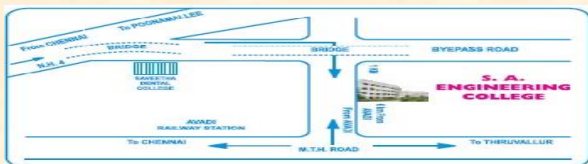
**Mrs. D.Saraswathi, Director, SV school**

**Dr.S.Aravind, Director, SACAS**

**Shri.D.Sabarinath, Director, SAEC**

**Shri. P.Venkateshraj, Correspondent, SACAS & SV School**

### LOCATION



## About the Organizing Department

The Department of Electronics and Communication Engineering was established in the year of 1998 with an aim of creating quality Engineers with sound technical knowledge and awareness of the latest advancements in existing and emerging technologies. Major highlights in the department include "Centre of Excellence in Automation and Robotics", and IoT research lab for green technology and telemedicine applications. Department of ECE is very keen in undertaking research projects and consultancy projects from organization like ISRO, CVRDE, etc. The department is recognized research centre of Anna University, Chennai.

## About the Seminar

In recent years, various nanomaterials have emerged as an exciting tool in cancer theranostic applications due to their multifunctional property and intrinsic molecular property aiding effective diagnosis, imaging, and successful therapy. However, chemically synthesized nanoparticles have several issues related to the cost, toxicity and effectiveness. In this context, bio-inspired nanoparticles (NPs) held edges over conventionally synthesized nanoparticles due to their low cost, easy synthesis and low toxicity. In this present review article, a detailed overview of the cancer theranostics applications of various bio-inspired has been provided. This includes the recent examples of liposomes, lipid nanoparticles, protein nanoparticles, inorganic nanoparticles, and viral nanoparticles. Finally, challenges and the future scopes of these NPs in cancer therapy and diagnostics applications are highlighted.

**Hence the proposed seminar focuses on the topics related to Clinical advances about Bio inspired nanoparticles in cancer theranostics.**

## BOARD OF RESEARCH IN NUCLEAR SCIENCES (BRNS)

**Sponsored  
National level seminar  
on**

***"Clinical Advancements of Bio- Inspired  
Nanoparticles in Cancer Theranostics"***

**16.11.2023 to 17.11.2023**

## Registration Form

1. Name :
2. Qualification :
3. Designation :
4. Experience :
5. Name of the Institution with Address:
6. E-mail :
7. Mobile :

Signature of the Applicant

## Certificate from Sponsoring Institute

Mr./Ms./Dr.----- is an employee/student of our institution and he / she is sponsored to attend the above Seminar.

Signature of Sponsoring  
Authority with office Seal

Date:



## S.A. ENGINEERING COLLEGE, CHENNAI-77

(Accredited by NBA, NAAC with "A" Grade and ISO 9001:2008 Certified Institution)

Poonamallee – Avadi Main Road, Thiruverkadu, Chennai – 600 077.

### National level seminar on

*“Clinical Advancements of Bio- Inspired Nanoparticles in Cancer Theranostics”*

Date: **16-11-2023 & 17-11-2023**

Thursday 16.11.2023			
S.No	Session	Topics	Speaker
1	8.30 am to 9.00 am	REGISTRATION	
2	9.00 am to 11.00 am	INAUGURATION	<b>Dr.R.Jayavel,</b> <b>Dean,</b> Alagappa College of Technology, Anna University, Chennai.
3	11.00 am to 11.15 am	Tea Break	
4	11.15 am to 12.45 pm	<b>Functional Nanostructures for cancer Detection and Treatment</b>	<b>Dr.R.Jayavel,</b> <b>Dean,</b> Alagappa College of Technology, Anna University, Chennai.
5	12.45 pm to 1.30 pm	Lunch Break	
6	1.30 pm to 3.30 pm	<b>Insights on Different Cancer path ways targeted by nanoparticles</b>	<b>Dr.S.Kathiresan</b> <b>Assistant Professor</b> Department of Mechanical Engineering College of Engineering Guindy, Anna University, Chennai.
7	3.30 pm to 4.00 pm		

Friday, 17.11.2023			
S.No	Session	Topics	Speaker
8	9 am to 11.00 am	InfraRed thermography, a non-invasive technique for cancer diagnosis	<b>Dr.N.M.Nandhitha</b> <b>Dean,</b> Sathyabama Institute of Science and Technology, Chennai.
9	11.00 am to 11.15 am	<b>Tea Break</b>	
10	11.15 am to 12.45 pm	InfraRed thermography, a non-invasive technique for cancer diagnosis	<b>Dr.N.M.Nandhitha</b> <b>Dean,</b> Sathyabama Institute of Science and Technology, Chennai.
11	12.45 pm to 1.30 pm	<b>Lunch Break</b>	
12	1.30 pm to 3.30 pm	Bio Inspired Nanomaterials in Cancer Theranostics	<b>Dr.J.Srikanth</b> <b>Associate Professor &amp;Assistant Dean</b> Department of Pharmacology Sri Ramachandra Institute of Higher Education and Research, Chennai.
13	3.30pm to 04.00pm	Valedictory	<b>Dr..S.Ramachandran,</b> <b>Principal</b> S.A. Engineering College, Chennai.