



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
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PROGRAMME REPORT ON

Seminar series - III-Advances in Biomaterials: Revolutionizing Modern Medicine

Resource Person

**Dr. K. Gobi Saravanan Associate Professor (Research) Centre for
Nanoscience and Nanotechnology, Sathyabama Institute of Science
and Technology, Chennai- 600119**

Organized by

PHYSICS- PMIST



**PERIYAR MANIAMMAI INSTITUTE OF
SCIENCE & TECHNOLOGY**

Periyar Nagar, Vallam, Thanjavur - 613403
Tamil Nadu, INDIA

SCIENCE AND HUMANITIES / PHYSICS ENDEAVORS CLUB / SIMILAR

Department of Physics

Special Lecture Series - III	Experts / Guest Speaker	Beneficiaries
<p>Advances in Biomaterials: Revolutionizing Modern Medicine</p> <p>Date / Period: 08-11-2025 Time: 09.00 a.m. to 11.00 a.m.</p>	<p>Dr. K. Gobi Saravanan Associate Professor (Research) Centre for Nanoscience and Nanotechnology, Sathyabama Institute of Science and Technology, Chennai- 600119 Mobile: +91 8300839868</p>	<p>Supervisors, Research Scholars, Faculty and PG Students (Physics, Chemistry, Biotechnology)</p>
<p>Report / Summary / Key points discussed: The aim of the Special Lecture Series - III</p> <p>To provide advanced knowledge on biomaterials used in medical implants, including their structure, properties, and clinical relevance.</p> <p>To explore modern surface modification techniques that enhance implant performance by improving wear resistance, corrosion resistance, and tissue integration.</p> <p>To discuss antimicrobial coating technologies that prevent infection, biofilm formation, and enhance the long-term safety of implantable devices.</p> <p>To analyze corrosion mechanisms in implant materials and present protective strategies to improve durability and biocompatibility in physiological environments.</p> <p>To familiarize students with research capabilities and available laboratory facilities at Sathyabama University, enabling hands-on</p>		<p>52</p>

Special Lecture Series - III	Experts / Guest Speaker	Beneficiaries
learning in biomaterials synthesis, characterization, and testing.		



SPECIAL LECTURE SERIES-II

**DEPARTMENT OF PHYSICS
&
ENDEAVORS CLUB**

**ADVANCES IN BIOMATERIALS :
REVOLUTIONIZING MODERN MEDICINE**



DR. K. GOBI SARAVANAN

Scientist

*Centre for Nanoscience and Nanotechnology,
Sathyabama Institute of Science and Technology, Chennai*

08 NOVEMBER, 2025 | 9:00 - 11:00 AM

Michokaku Hall, PMIST

Coordinator

Dr.K.Dhanalakshmi AP/Physics

Convenor

Dr.P.Gayathri HoD/Physics

DEPARTMENT OF PHYSICS

Periyar Nagar, Valluvar Thangavar - 611 403, Tamil Nadu, India
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**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE AND TECHNOLOGY

Special Lecture Series - III

Date: 08.11.2025

Venue: Michokaku Hall

Sl. No.	Name	Designation	Signature
1.	Densing Baburajiv	II B.Sc. Physics (Physics)	
2.	M. Janani	"	
3.	Vijayarajan (Arjun)	"	
4.	S. KEERTHI	II M.Sc Physics	
5.	G. KAVITHA	Research Scholar	
6.	R. GOPIKA	II M.Sc PHYSICS.	
7.	C. SARJINI	II M.Sc PHYSICS.	
8.	KAVINILA M	PHD Research Scholar	
9.	K. R. SHARINI	PHD Research Scholar	
10.	B. Rajabalaaji	II B.Tech Bio.Tech	
11.	P. Sumudra	I MSc Chemistry	
12.	M. Kalaimani	III - Biotech	
13.	A. Nilakhasani	III - Biotech	
14.	M. Pansathi	"	
15.	S. Sandhya	"	
16.	S. Prayodhasarani	"	
17.	V. Prabhavara Chelva	"	
18.	P. Manoj Kumar	"	
19.	B. C. Vignesh Kumar	"	
20.	K. Dharmavelan	"	

Coordinators



Convener

DEPARTMENT OF PHYSICS

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Sl. No.	Name	Designation	Signature
41.	S. Gurusankar	III - Biotech	S. Gurusankar
42.	S. Prakash	III - Biotech	S. Prakash
43.	M. Sureshan	III - Biotech	M. Sureshan
44.	S. Vishali	III - B.Sc (Chemistry)	S. Vishali
45.	Korbagabhashini	III - B.Sc Chemistry	Korbagabhashini
46.	Tamilkumaran	III - B.Sc Chemistry	Tamilkumaran
47.	Shanmugha	III - B.Sc Chemistry	Shanmugha
48.	Kabilan	" "	Kabilan
49.	S. Sathishkumar	" "	S. Sathishkumar
50.	Vicky	" "	Vicky
51.	Pramisa	" "	Pramisa
52.	Lingesh	" "	Lingesh
53.			
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60.			

S. Prakash
Coordinators



P. Sathishkumar
Convener