



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited

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PROGRAMME REPORT ON

Seminar-Advancements in Nanotechnology for Solar Cells and Environmental Applications

Resource Person

Dr M Baneto

Organized by

PHYSICS- PMIST



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PROGRAMME REPORT ON

First International Seminar-Advancements in Nanotechnology for Solar Cells and Environmental Applications

Resource Person

Dr. K. Ravichandran, Associate Professor and Head of Physics AVVMSPC, Thanjavur.

Dr. Mazabalo Baneto, Associate Professor of Physics University of Lome, Togo, West Africa.

Organized by
PHYSICS- PMIST

Department of Physics

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403, TamilNadu India Phone +91 – 4362 264600,
Fax +91– 4362 64660 E mail:
headphy@pmu.edu.Web: www.pmu.edu



1st International Seminar on Advancement in Nanotechnology for Biomedical Applications

Objective of the Programme:

The aim of the International Seminar is

- **To explore recent advancements** in nanotechnology applications for solar cell development and environmental sustainability.
- **To facilitate knowledge exchange** between international experts and researchers in nanotechnology and its interdisciplinary applications.
- **To discuss innovative nanomaterials** that contributes to efficient solar energy harvesting and environmental remediation techniques.
- **To understand the role of nanotechnology** in addressing global environmental challenges such as bio medical, water purification and pollution control.

Resource Persons and Session Details:

Dr. K. Ravichandran, Associate Professor and Head of Physics AVVMSPC, Thanjavur.

Dr. Mazabalo Baneto, Associate Professor of Physics University of Lome, Togo, West Africa.

No. of Beneficiaries: 95

Coordinators: Dr. N. Sivajyothi AP / Physics

Ms. R. Shalini AP / Physics

Department of Physics

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1st International Seminar on Advancement in Nanotechnology for Biomedical Applications

PROGRAMME SCHEDULE

PROGRAMME SCHEDULE	
09.00 am – 09.30 am	INAUGURATION Mozhi vazhthu Compeering - Dr. N. Sivajyothi , AP/ Physics Welcome Address - Dr. P. Gayathri , HoD/ Physics Introducing the Guest - Dr. D. Kumar , Prof./ Physics Felicitation Address - Dr. S. Kumaran , Director/ Innovation, IPR and Community Engagement Dr. P. Vijayalakshmi , Dean / FSH Inaugural Address - Dr. P. K. Srividhya , Registrar
09.30 am – 11.15 am	Session – I : Invited Lecture Dr. Mazabalo Baneto Associate Professor, Department of Physics, 01BP1515, University of Lome-Togo, West Africa.
11.15 am – 11.30 am	TEA BREAK
11.30 am – 12.30 pm	Session – II : Invited Lecture Dr. K. Ravichandran Associate Professor and Head, P.G and Research Department of Physics, A.V.V.M Sri Pushpam College, Poondi, Thanjavur.
12.30 pm – 01.00 pm	Session – III : Invited Lecture Dr. P. Kavitha Assistant Professor, Department of Zoology and Biotechnology, A.V.V.M Sri Pushpam College, Poondi, Thanjavur.
01.00 pm – 01.05 pm	Vote of Thanks Ms. R. Shalini , AP/ Physics National Anthem

Invitation for the Program



INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD, Government of India)

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No.19
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FIRST INTERNATIONAL SEMINAR

ON

ADVANCEMENTS IN NANOTECHNOLOGY FOR SOLAR CELLS AND ENVIRONMENTAL APPLICATIONS

Organized by

Department of Physics, PMIST

RESOURCE PERSONS



Dr. K. Ravichandran
Associate Professor & Head
PG and Research Dept. of Physics
A.V.V.M Sri Pushpam College (A)
Poondi – 613 503, Thanjavur
TamilNadu, India.



Dr. Mazabalo Baneto
Associate Professor
Department of Physics
University of Lome'
01BP1 515, Lome' - Togo
West Africa.



Dr. P. Kavitha
Assistant Professor
Department of Zoology and
Biotechnology
A.V.V.M Sri Pushpam College (A)
Poondi – 613 503, Thanjavur
TamilNadu, India.

Coordinators

Dr. N. Siva Jyothi AP/Physics
Ms. R. Shalini AP/Physics

Convenor

Dr. P. Gayathri
HoD/Physics

 27 September, 2024  09.00 AM **VENUE : EINSTEIN HALL**

Report of the Programme:

The Following Topics were covered during the Session.

- **Expert Lectures** from leading scientists, such as Dr. Mazabalo Baneto, Dr. K. Ravichandran, and Dr. P. Kavitha on groundbreaking research in the fields of nanomaterials for solar and environmental applications.
- **Focus on Solar Cells and Environmental Applications**, including key topics like nanomaterials for energy efficiency, clean energy technologies, biomedical application and their environmental impact.
- **Interactive Discussions** on how innovative nanotechnologies are driving sustainable practices in energy and the environment.

Event Photos



DEPARTMENT OF PHYSICS

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PERIYAR
 MANIAMMAI
 UNIVERSITY OF HEALTH & EDUCATION

First International Seminar

On

“Advancements in Nanotechnology for Solar Cells and Environmental Applications”

Date: 27.09.2024

Venue: Einstein Hall

S. No.	Name	Designation	Signature
1.	R. Prasanna Lakshmi	II - Msc Physics	R. Prasanna
2.	A. Harini	II - Msc Physics	A. Harini
3.	V. Sri Lakshmi	II - Msc Physics	V. Sri Lakshmi
4.	R. Abinaya	II - Msc physics	R. Abinaya
5.	S. Keerthi	I - Msc PHYSICS	S. Keerthi
6.	C. Sarojini	I - Msc Physics	C. Sarojini
7.	S. Deepika	I - Msc Biotech	S. Deepika
8.	S. Suraja	I - Msc Biotech.	S. Suraja
9.	M. Varsha	I - M.Sc Biotech	M. Varsha
10.	B. Ranjani	I - M.Sc Biotech	B. Ranjani
11.	P. Kasthika	II - M.Sc Biotech	P. Kasthika
12.	G. Meenakshi	I - M.Sc Biotech	G. Meenakshi
13.	A. Kowsalya	I - M.Sc Biotech	A. Kowsalya
14.	J. Shifa	I - M.Sc Biotech	J. Shifa
15.	B. Dhurka pari	I - M.Sc Biotech	B. Dhurka pari
16.	B. Priyadharsini	IV B.Sc - Chemistry	B. Priyadharsini
17.	Neha Biju	II Msc. Biotechnology	Neha Biju
18.	Adithya. V. Biju	"	Adithya. V. Biju
19.	Aarthi. C	"	Aarthi. C
20.	Syitha. V	B.Sc Chemistry III	Syitha. V

R. Shilpa
 R. Shilpa
 Coordinator

P. Jayaraj Edg
 P. Jayaraj Edg
 Convener
 HOD/Physics

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 PERIYAR NAGAR, VALLAM, THANJAVUR - 613 403, TAMIL NADU, INDIA

First International Seminar

On

“Advancements in Nanotechnology for Solar Cells and Environmental Applications”

Date: 27.09.2024

Venue: Einstein Hall

S. No.	Name	Designation	Signature
1.	G. Virothini	MSc. CHEMISTRY. I	G. Virothini
2.	ASHWIN KAN	M.TECH ROXWELL	ASHWIN KAN
3.	S. Ponni	MSc, chemistry - II	S. Ponni
4.	M. Sara Afim	MSc, chemistry II	M. Sara Afim
5.	S. R. Kamalika	M.sc., chemistry II	S. R. Kamalika
6.	Z. mahamed Arif	M. sc., chemistry	Z. mahamed Arif
7.	R. sumathi	" "	R. sumathi
8.	R. Jencya	" "	R. Jencya
9.	K.R. Sathya priya	" "	K.R. Sathya priya
10.	S. Sowmiya	" "	S. Sowmiya
11.	Balathra . B	" "	B. Balathra
12.	S. SUKUMAR	M.sc chemistry	S. S. Sukumar
13.	S. Jayasakshi	m.sc. chemistry	S. Jayasakshi
14.	Rajaratnam T.	Msc chemistry	Rajaratnam T.
15.	M. Chandrakanth	II MSc. chemist	M. Chandrakanth
16.	S. Sakthi Tharun	II MSc. Chemist	S. Sakthi Tharun
17.	K. Sudhason	II MSc chemistry	K. Sudhason
18.	M. MadhuVadhani	II MSc chemistry	M. MadhuVadhani
19.	K. Kamavivinya	II MSc chemistry	K. Kamavivinya
20.	K. Kalavani	II MSc chemistry	K. Kalavani

N. Anjan
 R. Shilpi
 Coordinator

P. Jayaraman
 Convener
 HOD/Physics

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S. No.	Name	Designation	Signature
1.	J. Lavanya	B.Sc. Phy	J. Lavanya
2.	K. USHA	M.Sc. Physics (II)	K. Usha
3.	M. SUBASI	B.Sc. Physics (III)	M. Subasi
4.	A. Pragasdeswarar	B.Sc. Phy (III)	A. Pragasdeswarar
5.	E. Shafikah Parveen	B.Tech Biotech (IV)	E. Shafikah Parveen
6.	Lokesh S	B. Tech. Biotech (IV)	Lokesh S
7.	GUNAL-K	B.TECH Biotech (IV)	Gunal-K
8.	J. Sanjayanthin	B.Tech Biotech IV	J. Sanjayanthin
9.	R. Srihar	M.Sc. Chemistry	R. Srihar
10.	S. ARON KUMAR	BSC. Computer Science	S. Aron Kumar
11.	S. Asraf ali	BSC. Computer Science	S. Asraf ali
12.	P. Mathan Kumar	BSC. Computer Science	P. Mathan Kumar
13.	M. Sasi Kumar	BSC. Computer Science	M. Sasi Kumar
14.	S. HARI PRITHISH	M.Sc. Chemistry	S. Hari Prithish
15.	B. SUDHAN	M.Sc. Chem	B. Sudhan
16.	M. MOVIN Joshua	M.Sc. Chemistry	M. MoVin Joshua
17.	I. Danyal	M.Tech Nanotechnology	I. Danyal
18.	V. Dhinesh Kumar	III BSC Chemistry	V. Dhinesh Kumar
19.	S. Sri Ram	II BSC. Physics	S. Sri Ram
20.	S. Baluakumar	III BSC. Physics	S. Baluakumar

N. Anjan
 R. S.K.L.
 Coordinator

P. Anand
 Convener
 HOD/Physics

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Date: 27.09.2024

Venue: Einstein Hall

S. No.	Name	Designation	Signature
1.	Dr. Baneto Mazabalo	Assoc. Professor	
2.	Dr. K. Ravichandran	Asso. Prof. & Head	
3.	Dr. P. KAVITHA	Asst. Professor	
4.	Dr. P. Gayathri	HOD / Physics	
5.	Dr. N. SIVA JYOTHI	Asst. Professor	
6.	Dr. R. ANANDHI	Asst. Professor	
7.	Dr. K. DHANALAKSHMI	Asst. Professor	
8.	Ms. R. SHALINI	Asst. Professor	
9.	Dr. G. ARUMUGHAM	Asst. Professor	
10.	Dr. T. Bhayyarsai	Asst. Professor	
11.	Dr. J. SRINIVAS	AP / Physics	
12.	Dr. J. JAYARAJI	AP / Physics	
13.	Dr. AR. Umayal Sundari	Asso. Prof / Physics	
14.	R. Kartick	AP / Physics	
15.			
16.			
17.			
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19.			
20.			

R. S. L. I
 Coordinator

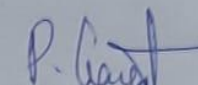
Convener
 HOD / Physics

Outcome of the seminar:

- **Increased Awareness** of the potential of nanotechnology in advancing solar energy solutions and addressing environmental issues.
- **Innovative Research Ideas** that can inspire future projects and contribute to the development of high-efficiency solar cells and eco-friendly materials.
- **Practical Insights** into the latest nanotechnology trends that can be applied in both academic research and industrial sectors.
- **Strengthened Academic Networks** enabling participants to exchange knowledge and explore joint research opportunities in sustainable nanotechnology solutions.


Coordinator

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