

## E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE



**DEPARTMENT : PHYSICS**

**ACTIVITY : SEMINAR**

**YEAR : 2022 to 2023**

### DEPARTMENT OF PHYSICS

DATE	TIME	VENUE
16.03.2023	10:00 a.m. to 12:00 a.m.	E.S.R. Alamelu Ammal Memorial Hall, E.M.G Yadava Women's College, Madurai
<b>Theme</b>	National Science Day Celebration	
<b>Nature of the Activity</b>	Seminar	
<b>Title</b>	Biophysics In Understanding Biological Processes	
<b>Convener</b>	<b>Mrs. R. Kayalvizhi</b> Head, Assistant Professor of Physics E.M.G. Yadava Women's College Madurai	
<b>Resource Person</b>	<b>Dr. M. Selvaraj</b> Post-doctoral Scientist The Sainsbury Laboratory Norwich, U.K.	
<b>No. of Participants</b>	Faculty - 11 Students - 86	

### SEMINAR ON "BIOPHYSICS IN UNDERSTANDING BIOLOGICAL PROCESSES"

National Science Day is celebrated in India on February 28th each year to commemorate the discovery of the Raman Effect by Sir C.V. Raman in 1928. In line with the spirit of scientific inquiry and advancement, we have organized a seminar on the theme "Biophysics in Understanding Biological Processes" as part of the National Science Day celebrations.

#### Objective:

The objective of the seminar was to delve into the interdisciplinary field of biophysics and explore its crucial role in unraveling the mysteries of biological processes. It aimed

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to facilitate discussions and knowledge exchange among scientists, researchers, and students in understanding the physical principles underlying biological phenomena.

### **Seminar Highlights:**

**Inaugural Address:** The seminar commenced with an inaugural address by Mrs. R. Kayalvizhi, Head, Assistant Professor of Physics, emphasizing the significance of biophysics in modern scientific research and its potential to revolutionize our understanding of life processes.

**Keynote Lecture:** Dr. M. Selvaraj, Post-doctoral Scientist, The Sainsbury Laboratory, Norwich, U.K., a renowned biophysicist, delivered a keynote lecture titled "Biophysical Approaches to Studying Protein Folding Dynamics." The lecture provided insights into the application of biophysical techniques such as spectroscopy and computational modeling in elucidating the complex process of protein folding.

### **Programme Outcome:**

Participants gained insights into how physical principles can elucidate the mechanisms governing life at various scales, from molecular interactions to cellular dynamics. The event provided networking opportunities for participants to lead to future research collaborations, interdisciplinary projects, and career advancement opportunities.

It served as a source of inspiration for attendees, motivating them to pursue further research in biophysics and related disciplines. By showcasing cutting-edge research and emerging trends, the event stimulated curiosity and encouraged participants to explore new avenues of inquiry. The seminar emphasized the importance of interdisciplinary collaboration in addressing complex scientific challenges, to explore the fascinating interface between physics and biology.

**Closing Remarks:** The seminar concluded with closing remarks by Mrs. R. Kayalvizhi, Head, Department of Physics, expressing gratitude to the speakers, participants, and organizing committee for their contributions towards making the event a success.

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Photographs:



In commemoration of National Science Day, the Department of Physics organized a Seminar on "Biophysics in Understanding Biological Processes"

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Student Participants of EMGYWC:

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E.M.G. YADAVA WOMEN'S COLLEGE, MADURAI – 625 014. (An Autonomous Institution – Affiliated to Madurai Kamaraj University) Re-accredited (3 <sup>rd</sup> Cycle) with Grade A <sup>+</sup> and CGPA 3.51 by NAAC			
Seminar on "Biophysics in Understanding Biological Processes" 16-03-2023			
S.No.	REGISTER NO.	NAME	DEPARTMENT
1	22PHY01	M.Abila	Physics
2	22PHY02	K. Abirami	Physics
3	22PHY03	P. Dharani Priya	Physics
4	22PHY04	S. Fathima Begam	Physics
5	22PHY05	M. Jayalakshmi	Physics
6	22PHY06	M. Karuniya	Physics
7	22PHY07	V. Pothiyalagi	Physics
8	22PHY08	C. Pradeesha	Physics
9	22PHY09	M. Sariga Banumathi	Physics
10	22PHY10	T. Saritha	Physics
11	21PHY01	Archana.A	Physics
12	21PHY04	Asiya Mariyam Banu.S	Physics
13	21PHY05	Deepthi.C	Physics
14	21PHY06	Deepthi.S	Physics
15	21PHY07	Dhivya.P	Physics
16	21PHY08	Guru Dharshini.S	Physics
17	21PHY09	Irfana.S	Physics
18	21PHY10	Jayasri.G	Physics

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19	21PHY11	Juvalriya Fathima.S	Physics
20	21PHY12	Kiruthiga.S	Physics
21	21PHY13	Krishna Vadhani.E.P	Physics
22	21PHY14	Pandiselvi.K	Physics
23	21PHY15	Pongayathri.B	Physics
24	21PHY17	Rahamath Nisha.S	Physics
25	21PHY18	Raji.M	Physics
26	21PHY19	Rakkayee Alias Varalakshmi.T	Physics
27	21PHY20	Rama.A.A	Physics
28	21PHY21	Samitha.P	Physics
29	21PHY22	Sri Devi.N	Physics
30	21PHY23	Subha.M	Physics
31	21PHY24	Thiraviya.S.M	Physics
32	21PHY25	Vilva Yogeswari.M	Physics
33	20PHY01	C.Abitha	Physics
34	20PHY02	M.Akshaya	Physics
35	20PHY03	M.Deepadharshini	Physics
36	20PHY04	M.Devibala	Physics
37	20PHY05	R.Elakkiya	Physics
38	20PHY06	R.Harini Devi	Physics
39	20PHY08	N.Kanishka	Physics
40	20PHY09	S.Mahajothi Kiruba	Physics
41	20PHY11	S.Nishanthini	Physics
42	20PHY12	V.Nivetha	Physics
43	20PHY13	M.Pavithra	Physics
44	20PHY15	J.Priyadharshini	Physics



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45	20PHY16	B.Radhika	Physics
46	20PHY17	C.Sandhiya	Physics
47	20PHY18	G.Santhiya	Physics
48	20PHY19	R.Sinha	Physics
49	20PHY20	B.Sneka	Physics
50	20PHY22	P.Sundara Ranjana	Physics
51	20PHY23	N.Swathi	Physics
52	20PHY24	K.Swetha	Physics
53	20PHY25	M.Usha Roobini	Physics
54	20PHY26	S.Yoga	Physics
55	22PPH01	N.Abirami	Physics
56	22PPH02	D.Anitha	Physics
57	22PPH03	L.Elakkiya	Physics
58	22PPH04	S.Ganga	Physics
59	22PPH05	S.Heeba Nasrin	Physics
60	22PPH06	M.Hema Shalini	Physics
61	22PPH07	A.Jabrin	Physics
62	22PPH08	M. Kaviya	Physics
63	22PPH09	M.Leena	Physics
64	22PPH10	G.Pratheeba	Physics
65	22PPH11	K.Priya	Physics
66	22PPH12	A.Rahini	Physics
67	21PPH01	Afrin Rihana.M	Physics
68	21PPH02	Akshaya.A	Physics
69	21PPH03	Anitha.M	Physics
70	21PPH04	Gayathri.S	Physics

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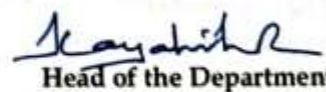
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71	21PPH05	Guru Jayam.S	Physics
72	21PPH06	Jercy.K	Physics
73	21PPH07	Kaviya.T	Physics
74	21PPH08	Nithya.G	Physics
75	21PPH09	Nithya Sri.K	Physics
76	21PPH10	Priyadharshini.N	Physics
77	21PPH11	Prakathi.K	Physics
78	21PPH12	Rajeshwari.B	Physics
79	21PPH13	Ramya.A	Physics
80	21PPH14	Ramya.S	Physics
81	21PPH17	Shailaja.P	Physics
82	21PPH18	Sneha.N	Physics
83	21PPH19	Sivasankari.K	Physics
84	21PPH20	Sneka.M	Physics
85	21PPH21	Uma Maheshwari.R	Physics
86	21PPH23	Yuvasri.A	Physics

Coordinator:



Head of the Department



  
Principal  
PRINCIPAL /  
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