



FATIMA COLLEGE

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Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

DEPARTMENT OF PHYSICS

Title : International Webinar on Materials Science (IWOMS)
Date : 01-10-2021

Resource Person/s :

1. Dr. Selvasekarapandian, Director, Materials Research Centre, Coimbatore.
2. Dr. M. Arivanandhan, Associate Professor, Centre for Nanoscience and Technology, Anna University, Chennai.
3. Dr. Vijayshankar Asokan, Senior Researcher, Chalmers University of Technology, Sweden.
4. Dr. Logu Thirumalaisamy, Newton International Fellow, Swansea University, Swansea, Wales, United Kingdom

No. of Participants : 116

Focus on : **Entrepreneurship, Skill Development & Research Methodology**

Outcome :

The international webinar on “Materials Science” imparts deeper knowledge on energy storage devices and its exploitation in various branches of sciences. A comprehensive research on energy storage devices which leads to the production of new devices that achieve ultimate functionality and performance has been discussed. Development of biopolymer electrolytes, thermoelectric materials, and smart materials for energy applications and its characterization techniques through electron microscopy was dealt in this seminar. Also the dynamic features and the exclusiveness of energy storage devices have been unveiled giving exposure of research opportunities in the frontier areas of material science.



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Report:

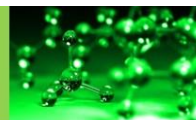
Invitation/Brochure



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College with Potential for Excellence

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Research Centre of Physics

organizes

International Webinar On Materials Science (IWOMS)

on 1st October 2021

Patrons:

Rev. Dr. Sr. Francisca Flora,
Secretary, Fatima College.
Rev. Dr. Sr. Celine Sahaya Mary,
Principal, Fatima College.

"Development of Bio
polymer Electrolytes for
Battery Applications"



Dr. Selvasekarapandian,
Director,
Materials Research
Centre,
Coimbatore.

"Thermoelectric
Materials for Energy
Harvesting"



Dr. M. Arivanandhan,
Associate Professor,
Centre for
Nanoscience and
Technology,
Anna University,
Chennai.

"Electron Microscopy
for Interdisciplinary
Research"



Dr. Vijayshankar
Asokan,
Senior Researcher,
Chalmers University
of Technology,
Sweden.

"Smart Materials for
Energy Applications"



Dr. Logu
Thirumalaisamy
Newton International
Fellow,
Swansea University,
Swansea, Wales,
United Kingdom

Organizing Committee

Dr. G. Dheva Shantha Kumari
Dr. L. Caroline Sugirtham
Mrs. R. Alphonsa Fernando
Dr. M.V. Leena Chandra
Mrs. I. Jeya Sheela
Dr. Sr. G. Jenita Rani
Dr. R. Jothimani
Ms. I. Janet Sherly
Ms. J.R. Sofia

Convener:

Dr. A. Sheela Vimala Rani,
Head,
Research Centre of Physics.

Co Conveners:

Dr. Ancemman Joseph
Dr. M. Ragam

No Registration Fee

Certificates will be provided

Text

The energy device sectors growth trajectory proliferates as the demand for the consumer increases. On this note the "International Webinar on Materials Science (IWOMS)" has been organized on 1st October 2021. This event was convened by Dr. A. Sheela Vimala Rani, Head, Research Center of Physics. The first session was started by Dr. Selvasekarapandian, Director, Materials Research Centre, Coimbatore. He delivered a talk on Development of Bio polymer Electrolytes for Battery Applications. His great depth of experience in the field of battery applications reflects much in his fruitful deliberations. Dr. Ancemman Joseph, Research Center of Physics, proposed vote of thanks. Dr. Ragam introduced the speaker of the second session Dr. M. Arivanandhan, Associate Professor, Centre for Nanoscience and Technology, Anna University, Chennai.



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He has given some valuable insights on Thermoelectric Materials for Energy Harvesting. Some of the interesting ideas and the fascinating techniques suggested by the speaker paved way for many applications. Dr. Jothi Mani thanked the speaker for his valuable suggestions

Ms. Sofia, Assistant Professor, Research Centre of Physics, introduced the speaker of the third session Dr. Vijayashanakar Asokan, Senior Researcher, Chalmers University of Technology, Sweden. His deeper knowledge on electron microscopy for interdisciplinary research sheds light on the budding physicist and the research scholars to explore the ever evolving characterization techniques.

Dr. Logu Thirumalaisamy, Newton International Fellow, Swansea University, Swansea, Wales, United Kingdom, delivers a lecture on smart materials for energy applications. The entire event was convened by Dr. A. Sheela Vimala Rani, Head, and the co conveners were Dr. Ancemma Joseph & Dr. Dr. M. Ragam, Assistant Professor, Department of Physics, Fatima College. The webinar was a huge success with around 300 participants. E- Certificates were provided to all the active participants.

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Photos/Screen Shots (if online) with Captions





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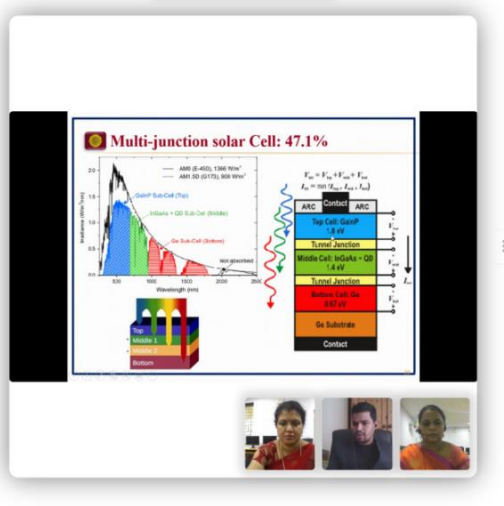
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**Dr. M. Arivanandhan, Associate Professor, Centre for Nanoscience and Technology,
Anna University, Chennai.**



**Dr. Vijayashanakar Asokan, Senior Researcher, Chalmers University of Technology,
Sweden**



**Dr. Logu Thirumalaisamy, Newton International Fellow, Swansea University, Swansea,
Wales, United Kingdom**

A. Sheela Vimala Rani

Signature of HOD

Dr. A. SHEELA VIMALA RANI
HEAD & ASSOCIATE PROFESSOR
DEPARTMENT OF PHYSICS
FATIMA COLLEGE
MADURAI - 625 018



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Title : “International Webinar on Materials Science (IWOMS)”

Date : 01-10-2021

Name list of Participants

S.No.	Name	Institution
1.	M. Ragam	Fatima College
2.	Janet Sherly I	Fatima College, Madurai
3.	J R Sofia	Fatima College, Madurai
4.	Bhuvaneshwari V	Fatima College Madurai
5.	A. Darathy Celciya	Fatima College, Maryland
6.	Suvarna K	Psgr Krishnammal College for Women, Coimbatore
7.	Karolin Mary F S	Women's Christian College, Nagercoil
8.	Keerthana.C	Fatima College, Madurai
9.	S.Deepithakumari	Fatima College Madurai-18
10.	G. Selvalakshmi	CSI Jayaraj Annapackiam College ,Nallur
11.	Dr G Sathya Priyadarshini	Psgr Krishnammal College for Women Coimbatore
12.	Rajkumar G	Anna University, Mit Campus, Chennai
13.	Ananthi V	Fatima College, Madurai
14.	Sabarnikka . C	Fatima College, Mary Land, Madurai
15.	Anu C	Fatima College (Autonomous) Mary Land Madurai
16.	T. Kodispathi	Aditanar College of Arts and Science, Tiruchendur
17.	T.Prabhuraj	Periyar University, Salem
18.	T. Kodispathi	Aditanar College of Arts and Science, Tiruchendur
19.	Dr. Bagavathi Muniyandi	College of Energy, Xiamen University, China
20.	Vanitha N	Sri Paramakalyani College, Alwarkurichi
21.	Sarathkumar R	Thiagarajar College of Engineering, Madurai
22.	Srinivasan R	Ramco Institute of Technology, Rajapalayam
23.	Dr. M. Sathishkumar	Nehru Arts and Science College
24.	S.M.Sonalee	Fatima College
25.	Athira Vijayan	Madurai Kamaraj University, Madurai
26.	Dr. N. Rathna	A. P. C. Mahalaxmi College for Women, Thoothukudi
27.	L. Vinitha	Madonna Arts & Science College for Women



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28.	R. Thiyathra Risen	Fatima College Mary Land Madurai - 625018
29.	Jasmin Fatima.G	Fatima College, Maryland, Madurai - 625018
30.	Srinivasan R	Ramaco Institute of Technology
31.	Kani Ajay Babu M	Mannar Thirumalai Naicker College
32.	C. S. Juliet Brintha	N. M. C. College, Marthandam
33.	Anu C	Fatima College (Autonomous) Mary Land Madurai
34.	Dr. S. Mohana Roopan	Vellore Institute of Technology, Vellore - 632014
35.	Dr. T. Prasankumar	Madurai Kamaraj University, Madurai
36.	Dr. G. Madhumitha	Vellore Institute of Technology, Vellore
37.	Kavitha.P	Fatima College Madurai
38.	R.Roshal	Fatima College Madurai
39.	Kiruthika R	Fatima College (Autonomous) - Madurai
40.	Ancy Kirubha.T.A	Women's Christian College, Nagercoil
41.	Jeffrina.J	Fatima College Autonomous Madurai
42.	S.Gunasekaran	Psg College of Arts and Science Coimbatore 14
43.	Dr. K. Jeyapappa	Ramco Institute of Technology, Rajapalayam
44.	Indu Priyadarshini S	Fatima College Madurai
45.	A. Amali Roselin	Dr. Umayal Ramanathan College for Women, Karaikudi
46.	S.Musthafa Kani	Syed Hameedha Arts and Science College, Kilakarai
47.	Mrs.M.Aruna	Government Arts College, C.Mutlur
48.	T. Thenrajan	Alagappa University, Karaikudi
49.	Dr. G. Sivakumar	Annamalai University
50.	P.R.Babila	Muslim Arts College, Thiruvithancode
51.	Helen S	Auxilium College, Katpadi, Vellore.
52.	Vijaya B	VIT University
53.	Mr.P. Vijayakumar	H.H.The Rajah's College (Auto.),Pudukkottai, Tamilnadu
54.	E.S.Ashlin	Muslim Arts College, Thiruvithancode.
55.	Muniraj Vignesh N	Mannar Thirumalai Naicker College
56.	Dr. R. Niranjana Devi	Fatima College
57.	Sivapriyadarshini. R	Fatima College, Mary Land, Madurai
58.	G K Meenatchi	Ceg Campus, Anna University, Chennai- 25.
59.	Praveena D	Srm Valliammai Engineering College, Kattankulathur, Chengalpattu District, Tamilnadu.
60.	S.Glory Sobha	Annai Velankanni College, Tholayavattam



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61.	Paulraj S	Vel Tech Rangarajan Dr Sagunthala R &D Institute of Science And Technology
62.	Dr.M.Rajasekar	K.S R. College of Engineering, Tiruchengode
63.	Dr.K.Parimala	Nehru Memorial College at Trichy
64.	S.Aslin	Women's Christian College, Nagercoil.
65.	M Vinitha	Ceg, Anna University, Chennai
66.	Anbukaruppuchamy S	Government Arts College for Men Nandanam Chennai 35
67.	Dr. Shaweta Mohan	Bbk Dav College for Women
68.	Roshini.J	Fatima College, Madurai
69.	Gurunathan K	Madurai Kamaraj University, Madurai - 21
70.	M.Madhumitha	Fatima College
71.	Dr.G.Kanthimathi	Ramco Institute of Technology, Rajapalayam
72.	Dr. N. Sarala	Dr. Umayal Ramanathan College for Women
73.	Dr.T.Vigneswari	Ramco Institute of Technology, Rajapalayam
74.	Mrs.D.Sudha	Mangayarkarasi College of Arts and Science For Women, Paravai, Madurai.
75.	Sushmitha. A	Dr. Umayal Ramanathan College for Women, Karaikudi
76.	A. Amali Roselin	Dr. Umayal Ramanathan College for Women, Karaikudi
77.	Barath V R	Bharathiar University, Coimbatore
78.	Gowri M	Mangayarkarasi College of Arts and Science for Women Madurai
79.	Sivaranjani B	Mangayarkarai College of Arts and Science for Women,Paravai
80.	Shamimabanu N	Mangayarkarasi College of Arts & Science for Women, Paravai, Madurai
81.	N Thirumurugan	Bharathiar University, Coimbatore
82.	Joana Preethi A	Fatima College, Madurai
83.	D Thilaga Sundari	The M.D.T.Hindu College, Pettai, Tirunelveli
84.	Ravikumar T	Vellore Institute of Technology, Vellore - 632014
85.	Jeba Reeda V.S	Women's Christian College, Nagercoil
86.	I. Agnes Pristy	Fatima College Madurai
87.	S Sumithadevi	Women's Christian College, Nagercoil.
88.	A Herlin Shamina	Women's Christian College Nagercoil
89.	Stefy Silvia Rani S	Women's Christian College, Nagercoil
90.	R.Carolin	Women's Christian College, Nagercoil
91.	Sharmili T	Fatima College, Madurai
92.	Syed Shabeer Ahmed .S	Ramakrishna Mission Vivekananda College (Autonomous), Mylapore, Chennai



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93.	Surya Annamalai T	Anna University, College Of Engineering Guindy , Chennai-600025
94.	Nisha R	Women's Christian College, Nagercoil.
95.	G.Kavitha	Dr.Umayal Ramanathan College For Women, Alagappapuram, Karaikudi.
96.	S.Diana Rebbakkal Hebziba	Dr.Umayal Ramanathan College For Women, Karaikudi
97.	Dr.N.S.Minimala	Saraswathi Narayanan College, Perungudi, Madurai -22
98.	G.Santhana Krishnan	Vistas
99.	G.Santhana Krishnan	Maharishi Vidya Mandir
100.	Nandhini.K	Fatima College (Autonomous) Maryland, Madurai_18
101.	Mrs.S.Nagadeepa	Mannar Thirumalai Naicker College
102.	Anju Thomas	Vit University, Vellore
103.	Leka Sree	Meenakshi College For Women, Kodambakkam
104.	L.Pooja	Fatima College, Madurai.
105.	P.Buvaneshwari	N.M.S.Svn College, Nagamalai, Madurai
106.	A. Vincy	Madonna Arts and Science College for Women
107.	G.Santhana Krishnan	Vistas
108.	M.Harish	Thiagarajar College of Engineering and Technology
109.	Abarna.J	Fatima College, Madurai.
110.	Harish.M	Thiagarajar College of Engineering and Technology Thiruparangundram Madurai
111.	Ms. S. Lebana Zen	Madonna Arts and Science College for Women
112.	L. Vinitha	Madonna Arts & Science College for Women
113.	Dr.Ancemma Joseph	Fatima College, Maryland, Madurai
114.	Mr.P.Vijayakumar	H.H.The Rajah's College, Pudukkottai, Tamilnadu
115.	G.Kavitha	Dr.Umayal Ramanathan College for Women, Alagappapuram, Karaikudi.
116.	Dr G Sathya Priyadarshini	Psgr Krishnammal College for Women

A. Sheela Vimala Rani

Signature of HOD

