

FATIMA COLLEGE (AUTONOMOUS), MADURAI-18

DEPARTMENT OF PHYSICS

Title : Advanced Materials for Energy Storage Applications

Date : 13-07-2020 to 15-07-2020

Resource Persons : 1. Dr. Gnanakumar, Asst. Professor and Head incharge, Dept. Of Physical Chemistry, Madurai Kamaraj University, Madurai

2. Dr.C. K. Jayasankar, UGC-BSR Faculty Fellow, Department of Physics, Sri Venkateswara University, Tirupati

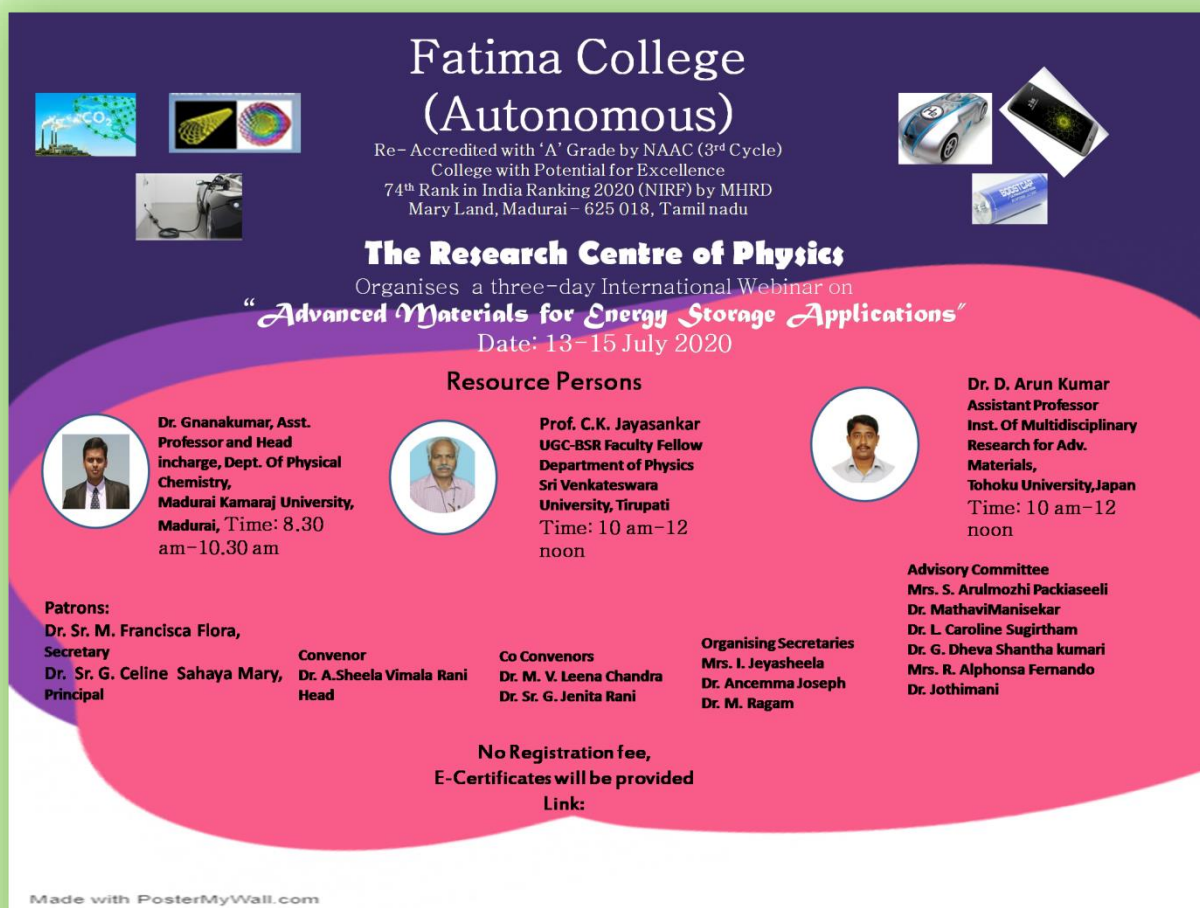
3. Dr. D. Arun Kumar, Asst. Professor, Inst. Of Multidisciplinary Research for Adv. Materials, Tohoku University, Japan

No. of Participants : 295

Focus on : **Entrepreneurship/ Skill Development**

OUTCOME : The knowledge gained by the participants on areas like energy storage systems, including thermal, mechanical, electromagnetic, hydrogen, and electrochemical energy storage high-performance hydrogen storage materials for on-board applications and electrochemical energy storage materials for lithium-ion batteries and supercapacitors would help skill development and entrepreneurship in a great way in all the above mentioned areas.


Invitation/Brochure





**Fatima College
(Autonomous)**
Re-Accredited with 'A' Grade by NAAC (3rd Cycle)
College with Potential for Excellence
74th Rank in India Ranking 2020 (NIRF) by MHRD
Mary Land, Madurai – 625 018, Tamil nadu

The Research Centre of Physics
Organises a three-day International Webinar on
“Advanced Materials for Energy Storage Applications”
Date: 13–15 July 2020

Resource Persons

**Dr. Gnanakumar, Asst. Professor and Head incharge, Dept. Of Physical Chemistry, Madurai Kamaraj University, Madurai, Time: 8.30 am–10.30 am**

**Prof. C.K. Jayasankar
UGC-BSR Faculty Fellow
Department of Physics
Sri Venkateswara University, Tirupati
Time: 10 am–12 noon**

**Dr. D. Arun Kumar
Assistant Professor
Inst. Of Multidisciplinary Research for Adv. Materials,
Tohoku University, Japan
Time: 10 am–12 noon**

Patrons:
Dr. Sr. M. Francisca Flora,
Secretary
Dr. Sr. G. Celine Sahaya Mary,
Principal

Convenor
Dr. A. Sheela Vimala Rani
Head

Co Convenors
Dr. M. V. Leena Chandra
Dr. Sr. G. Jenita Rani

Organising Secretaries
Mrs. I. Jeyasheela
Dr. Ancemma Joseph
Dr. M. Ragam

Advisory Committee
Mrs. S. Arulmozhi Packiasseeli
Dr. Mathavi Manisekar
Dr. L. Caroline Sugirtham
Dr. G. Dheva Shantha kumari
Mrs. R. Alphonsa Fernando
Dr. Jothimani

**No Registration fee,
E-Certificates will be provided
Link:**

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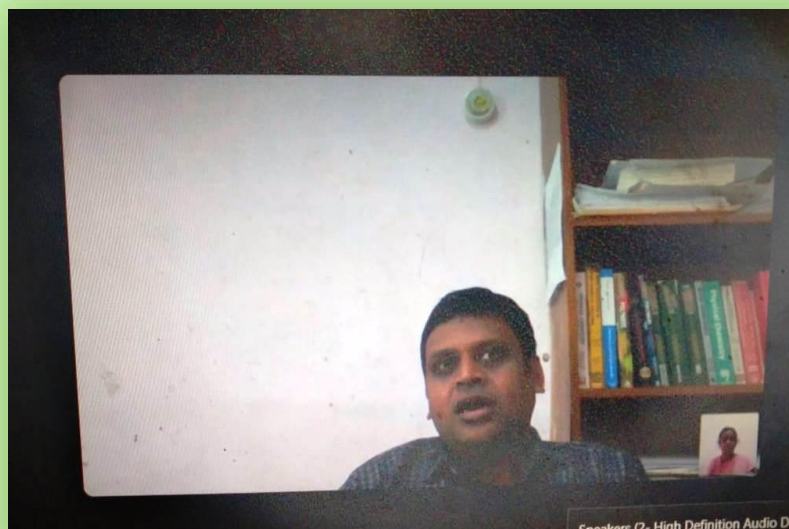
REPORT:

Report of the Three-day Webinar on

“Advanced Materials for Energy Storage Applications”

The ultimate vision behind any Scientific approach and research must be its feasibility for societal applications. Surviving in a world with an ever demanding need of production and storage of energy and identifying the need of the hour, the Research Center of Physics organised a three day international webinar on “Advanced Materials for Energy Storage Applications” during 13-15th July 2020. The event started with the felicitation by the patrons of the event, Dr. Sr. M. Francisca Flora, Secretary and Dr. Sr. G. Celine Sahaya Mary, Principal, Fatima College. Dr. A. Sheela Vimala Rani, Head of the Dept, Research Center of Physics introduced the resource persons of the event.

On the first day Dr. Gnanakumar, Asst. Professor and Head incharge, Dept. Of Physical Chemistry, Madurai Kamaraj University, Madurai, spoke on “Intricacies of high performance 3D electrode architectures for electrochemical energy conversion and storage devices”.



Dr. Gnanakumar delivering a talk on “Intricacies of high performance 3D electrode architectures for electrochemical energy conversion and storage devices”.

On the second day i.e, 14th July, *Dr.C. K. Jayasankar*, UGC-BSR Faculty Fellow, Department of Physics, Sri Venkateswara University, Tirupati was the resource person and he spoke on the title “Spectroscopic tools for advanced material characterisation and societal applications.” He shared a lot of relevant information on applications of atomic absorption x ray fluorescence, photoelectron, raman spectroscopy and glass material characterisation.



***Dr.C. K. Jayasankar* delivering a talk on “Spectroscopic tools for advanced material characterisation and societal applications.”**

On the third day, i.e, on 15th July Dr. D. Arun Kumar, Asst. Professor, Inst. of Multidisciplinary Research for Adv. Materials, Tohoku University, Japan Spoke on “Beyond Lithium Ion Batteries –Present status and Future prospects.”



Dr. D. Arun Kumar delivering a talk on “Beyond Lithium-Ion Batteries –Present status and Future prospects.”

The Three-day event was a huge success with around 300 participants. On successful completion of attending the three days webinar, the participants were given e-certificates. This event was convened by Dr. A.Sheela Vimala Rani, Head, and the co conveners were Dr. M. V. Leena Chandra & Dr. Sr. G. Jenita Rani, Asst. Prof, Dept. of Physics, Fatima College. The organising secretaries of the event were Mrs. I. Jeyasheela, Dr.Ancemma Joseph & Dr. M. Ragam. Asst. Prof, Dept. of Physics, Fatima College.

LIST OF PARTICIPANTS

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128.	SUBHODEEP SAHA	STUDENT	K. V. NO. 1 SALT LAKE
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130.	MUTHUKUMARAN . S	RESEARCH SCHOLAR	BHARATHIDASAN UNIVERSITY
131.	MOHD FAIZAN	ASSISTANT PROFESSOR	ALIGARH MUSLIM UNIVERSITY
132.	D NAGARAJU	ASSISTANT PROFESSOR	PG CENTRE, LAL BAHADUR COLLEGE
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140.	PORIA KISHORKUMAR C	PROFESSOR	VEER NARMAD SOUTH GUJARAT UNIVERSITY,SURAT
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