

**NATIONAL ONE DAY WORKSHOP  
ON**

**ENERGY SECURITY FOR TAMILNADU -  
ROLE OF RENEWABLES - (NWEST-2016)**



**6<sup>TH</sup> OCTOBER 2016**



*Organised by*

**PHYSICS RESEARCH ASSOCIATION**

**RESEARCH DEPARTMENT OF PHYSICS**

**KHADIR MOHIDEEN COLLEGE**

**ADIRAMPATTINAM – 614701**

**THANJAVUR DISTRICT - TAMIL NADU - INDIA**

## INVITATION

The Physics Research Association of Khadir Mohideen College, Adirampattinam, cordially invites you to the National workshop on **Energy Security for Tamil Nadu, Role of Renewables** on **6<sup>th</sup> October 2016**. We eagerly look forward with pleasure to your valuable participation in this workshop.

The theme of the workshop is attaining energy Security of Tamil Nadu through growth in renewable energy in the past 50 years. Tamil Nadu has achieved security in agriculture, dairy products etc. Now a sustained and focused effort is required to cushion the country from the shocks of the crude oil price hikes, the most recent one being the hike in September 2016. The time has arrived wherein Scientists and technologists have to consider costs and other economic criteria in their deliberations. Time is ripe for introspection on the development and use of renewable energy technologies in Tamil Nadu, during this season/year.

It is proposed to invite resource persons to summarize the significant contributions in major fields of renewable energy. This workshop will bring together researchers, manufacturers, policy makers, voluntary organizations, end-users etc., for discussion on all aspects of renewable energy.

### **WORKSHOP SCHEDULE**

The NWest-2016 is being organized during **5<sup>th</sup> October 2016** at the auditorium of Khadir Mohideen College, Adirampattinam.

### **WORKSHOP TOPICS**

The workshop will cover all aspects of renewable energy.

1. Solar energy technologies and application
  - (a) Photovoltaic cells, modules and systems
  - (b) Flat plate & other non concentrating collectors and systems
  - (c) Solar thermal & photovoltaic concentrating collectors
  - (d) Desalination Solar pond etc
2. Other renewable energy technologies and application
  - (a) Wind power
  - (b) Biomass energy conversion
  - (c) Ocean energy conversion
  - (d) Mini & Micro hydel power
3. Resource assessment and Solar buildings
  - (a) Solar radiation, wind, biomass etc.,
  - (b) Solar energy systems for buildings, solar architecture & lighting
4. Renewable energy policy, human resource development and commercialization
  - (a) Renewable energy policy
  - (b) Education & environmental aspects
  - (c) Commercialization and economic issues

## 5. Storage, fuels and chemical processes

- (a) Thermal, electrical, hydrogen and chemical energy storage
- (b) Detoxification

### **PRINTED BOOK**

A printed book will be published after the workshop. The copy of the content including photos will be sent to the registered participants after the workshop through their mail IDs. Registration Fees for this workshop is Rs. 200/- for all the faculties and research scholars and Rs. 100/- for the students. Please send your registration fees by a demand draft drawn in favour of **Physics Research Association, Khadir Mohideen College, Adirampattinam (A/c No.6467642401, IFS Code: IDIB 000 A110)** payable at **Adirampattinam**.

### **WORKSHOP RESOURCE PERSONS**

1. **Prof. Dr. M. Jayachandran**, Chief Scientist (Rtd), ECMS Division, Central Electro Chemical Research Institute, Karaikudi-630 004, Research Advisor, Research Department of Physics, Sree Sevugan Annamalai College, Devakottai, 630 303 (jifm.net)
2. **Dr. M. Paramasivam**, Senior Principal Scientist, Battery Division, Central Electro Chemical Research Institute, Karaikudi – 630 004

### **PATRON**

**Justice K. Sampath**, Administrator, Khadir Mohideen College, Adirampattinam-614701

### **NATIONAL WORKSHOP STEERING COMMITTEE**

1. **Dr. A. M. Uduman Mohideen**, Principal (i/c), Khadir Mohideen College, Adirampattinam - 614701
2. **Dr. P. Mohamed Sirajudeen**, Head, Research Advisor, Research Department of Chemistry, Khadir Mohideen College, Adirampattinam – 614701
3. **Dr. N. Jayaveeran**, Head, Research Advisor, Research Department of Computer Science, Khadir Mohideen College, Adirampattinam - 614701
4. **Dr. P. Kumarasamy**, Head, Research Advisor, Research Department of Zoology, Khadir Mohideen College, Adirampattinam - 614701
5. **Dr. S. Chandrasekaran**, Head, Research Advisor, Research Department of Mathematics, Khadir Mohideen College, Adirampattinam – 614701
6. **Dr. A. Ayeshamariam**, Head, Research Advisor, *Organizing Secretary*, Research Department of Physics, Khadir Mohideen College, Adirampattinam - 614701
7. **Mr. N. Sekar**, Asst. Professor, Research Department of Physics, Khadir Mohideen College, Adirampattinam - 614701

**REGISTRATION FORM**  
**ENERGY SECURITY FOR TAMILNADU**  
**ROLE OF RENEWABLES – (NWEST-2016)**

**6<sup>th</sup> October – 2016**

**Name** :

**Designation (Student/Faculty):**

**College Name** :

**Mailing Address** :

**Email Id** :

**Telephone** :

**Date** :

**Signature of the HOD**  
**(For student)**

**Signature**

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**ENQUIRIES**

**Dr. A. AYESHAMARIAM**  
**Head, Research Advisor,**  
**Research Department of Physics**  
**Khadir Mohideen College, Adirampattinam - 614701**  
**Email: [aamariam786@gmail.com](mailto:aamariam786@gmail.com) Phone: 9486738806.**

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**PROGRAMME SCHEDULE**

**Registration** : 8.30 AM – 9.30 AM

**Prayer** : 9.30 AM

**Welcome Address** : **Dr. A. AYESHAMARIAM**

**Inaugural Address:** **Dr. A. M. UDUMAN MOHIDEEN**

**Resource Person-1:** **Prof. Dr. M. JAYACHANDRAN**

**Resource Person-2:** **Dr. M. PARAMASIVAM**

**Certificate distribution**

**Vote of Thanks** : **Mr. N. SEKAR**