

# CECRI *news*

CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE, KARAIKUDI - 630006

*November - December 2007*



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## CSIR Programme on Youth for Leadership (CPYLS)

CSIR Programme on Youth for Leadership in Science [CPYLS] was organized at CECRI, Karaikudi during 26-28 December 2007. Dr. P. Ramasamy, Vice-Chancellor, Alagappa University has inaugurated the programme with a nice key note address. In his address he offered his advice and stressed the need of choosing science as a career and presented educational kit consisting of Science books viz., Learning Science (4 volumes), Understanding Chemistry, by Dr. C.N.R. Rao and Chemistry of Candle by Michael Faraday to all the students as a token



of appreciation for securing top positions in SSLC Public examinations. Professor A.K. Shukla, Director, CECRI presided over the function. Shri S. John, Deputy Director welcomed the participants. Shri C. Sri Vidya Rajagopalan, Deputy Director spoke about CPYLS Programme. The inaugural function was followed by a Video Presentation by our Director Professor A.K. Shukla on "Renewable Energy and the Power of the Sun".

On 26th evening, a Workshop on "Quality Leadership for Academic excellence" was conducted by Prof.N.Janaki Raman. A Science Quiz was also conducted by Prof.M.A.Durai on the same day evening.

On both days i.e. 27th and 28th December 2007 the forenoon sessions of the programme have been devoted to the series of popular scientific lectures and on the first day evening video films on "Fuel Cells" highlighting Fuel Cell research in India and CECRI. The remaining hours of the afternoon have been devoted to have demonstration as well as practical on the various



sophisticated analytical instruments.

On the 27th evening a Magic show on "Science Truth behind Magics" was displayed by Shri Mohana Sundaram, the Tamilnadu Government best teacher awardee.

On 28th afternoon session, "Students Meet Scientists" programme was conducted. All the students have actively participated in Group discussions and got cleared their doubts on science from the CECRI Scientists.

In the feedback session, the students and teachers pointed out that the Programme would be very much useful for the students and all the

lectures were thought provoking. Parents, Teachers and Students also expressed their whole-hearted thanks and appreciated this CPYLS Programme.

In the Valedictory Function, Professor A.K.Shukla distributed the certificate to the students and delivered the valedictory address.

### Foreign Deputation...

Dr. S. Gopukumar, Scientist visited Japan during 13-16 Nov 2007 to deliver invited talk at the 48<sup>th</sup> Battery Symposium and also participated the special International Symposium on High-Tech Batteries.



### Technical Services Undertaken...

1. Title: Evaluation of 'Amararaja' VRLA Batteries of 2V, 500 Ah Capacity.

Organisation:  
Amara Raja Batteries Ltd., Tirupati  
Value: Rs. 2,47,192/-

2. Title: Identification of a viable testing method for electroplating gold on various substrates.

Organisation:  
Smart creations, Chennai.  
Value: Rs. 56,180/-

3. Title: Type testing of Jumbo make LM lead acid 2V/80Ah secondary cell as per IRS S:88/2004.

Organisation: United Lead oxide Products P Ltd., Goa.  
Value: Rs. 2,47,192/-

### Grant-in-aid/ Sponsored Projects taken up...

CECRI has taken the following projects.

1. Title: Development of pulse Electroplated Target for high current irradiation in cyclotron.

Organisation:  
BRNS, DAE Mumbai  
Value: Rs. 6,88,000



2. Title: Novel nanocomposite polymer electrolytes for Lithium batteries.

Organisation:  
Department of Science and Technology, New Delhi  
Value: Rs. 20,00,000/-

3. Title: Degradation of Dyes and Refractory Organic contaminate from textile and other organic Industrial effluents.

Organisation:  
Ministry of Environment & Forests, New Delhi.  
Value: Rs. 12,02,670/-

4. Title: Enhanced processes for the removal of Nitrate from water.  
Organisation:

Indo French Centre for Promotion of Advanced Research, New Delhi.  
Value: Total Rs. 20,92,800/-

## Retirements On VRS/Superannuation



Mrs. K. Shyamala,  
Group D,  
Superannuation  
on 31.12.2007



Shri. S.  
Sivasuriyanarayan  
an, Private  
secretary,  
VRS on  
05.11.2007

## Consutancy Project...

1. Title: Soil resistivity biological and chemical analyzing soil samples at Chennimalai, and suggesting suitable

remedial measures.  
Organisation: TWAD Kangeyam

2. Title: Corrosion control for pumps in cell house.

Organisation: Hindustan Zinc Ltd., Putholid

3. Title: Setting up of the Eco-Electroplater's Industrial park at Madurai

Organisation: Electro Platers & Metal Finishers Assn. of Tamilnadu, Madurai

4. Title: Setting up of commercial plant for Regeneration of Acidic Cupric Chloride Etchant with simultaneous recovery of copper with a capacity of 250 kg/day

Organisation: AT & S India Pvt. Ltd., Nanjangud

5. Title: Recommendation for anticorrosive coating to PSC

## Vigilance Awareness Week

As per Government of India directions, we have observed the

Vigilance Awareness Week at CECRI during 12-16 Nov 2007. The pledge was administered in english and hindi at 11a.m. on 12.11.2007.

Mr. P. Ananthkrishnan, former Chief Vigilance Officer, CSIR, New Delhi delivered a lecture on 16.11.2007. Focus of his speech was probity in



public service.

A large number of posters, banners on the theme of fighting 'Corruption' were displayed in the Scientific and Administrative blocks as well as other focal points in our campus both in English and Hindi for general awareness.



45th Management Council meeting was held on 28.12.2007



Professor Z.Ogumi, Kyoto University, Japan visited CECRI on 17th December 2007. He delivered a lecture on "Direct alcohol fuel cells using anion exchange membrane"



Dr.Anil Kumar, Scientist, NCL, Pune delivered a lecture on "Ionic liquids and their applications in Electrochemistry" on 29.11.2007.



DST Cluster meeting was held on 13.12.2007

## Patents...

[sent for filing]

Title: Novel Primer paint for corrosion protection of magnesium alloy.

Inventors: Sathiyarayanan S., Syed Azim S., Venkatachari G

## New Year's Eve (December 31)

