



**S.T. Nishanthi**  
**Scientist**

### Contact

**Address** : Electrochemical Power Sources Division  
CSIR- CECRI  
Karaikudi – 630003  
Tamil Nadu, INDIA

**Employee ID Number** : 40292

**Date of Birth** : 7<sup>th</sup> April 1988

**Contact Phone** : 04565241411

**Mobile** : 7598847597

**Email** : nishanthi@cecri.res.in

### Academic Qualifications

**M.Sc., M.Phil., Ph.D in Physics**

### Experience

**3 years**

### Research Experience

**5 years**

### Areas of Research

1. Electroactive materials for intercalation (Li, Na) ion batteries
2. Bifunctional oxygen catalysts for metal air batteries
3. Nanostructured materials for supercapacitors
4. One dimensional nanostructured materials for photoelectrochemical water splitting

### Research Supervision / Guidance

Program of Study	Completed	Ongoing
M.Phil.	2	-
Projects PG	6	-

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/chapters/ monographs/manuals
24	3	-	2	4

## Funded Research Projects

### Ongoing Major Research Projects

S.No.	Title	Funding Agency	Amount (Rs. In lakhs)	Duration
1	DST-IISc Energy storage platform on supercapacitors (Centre for Research on Energy Storage Technologies)	DST Multi-Institutional Centres on Materials for Energy Conservation and Storage Platform	Rs. 82,08,330/-	5 years
2	Degradation mechanisms in lithium-ion batteries with emphasis on corrosion	DST-SERB	Rs. 38,40,000/-	3 years

## Events Participated

### Conferences / Seminars / Workshops:

International Seminars: 25

National Seminars: 10

## Membership in Professional Bodies

- Life Fellow Member in “**Materials Research Society of India**” (ID: LMB 2955)
- Life active member in “**SAEST**”, Karaikudi

## Publications

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