





# Advanced Materials and Future Technologies for Solar Energy Conversion

## **Overview**

**Indian Institute of Technology Jodhpur** organizes an interdisciplinary, short-course that provides a treatment of the conversion and conservation of solar energy using advanced materials. The course is designed for one credit and it will be divided into three themes:

- ✓ Introduction to solar materials and characterization techniques.
- ✓ Different assemblies of solar cells.
- ✓ Fabrication of new generation solar cells.



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# You should attend if...

you are a researcher/ a research scientist / a young faculty interested in gaining practical, hands-on training on solar cell preparation and characterization.

#### **International Faculty**



**Prof. Mukundan Thelakkat** is an eminent Professor for Applied Functional Polymers at Bayreuth, Germany. He has been working continuously in the field of organic semiconductors and devices for the last 25 years. Prof. Thelakkat has profound knowledge and experience on OLEDs, solar cells, and batteries, with focus on energy conversion and storage devices. He is a member of director board of Indian-Bavarian Centre in Germany and is a Coordinator for the Multimillion Euro project of Bavarian Research Network, "Solar technologies Go Hybrid". At present, his research group, Applied Functional Polymers, is intensively involved in tailored multifunctional self-assembling copolymers, block copolymers, bridged donor-acceptor systems, light harvesting dyes, photoswitchable chromophore systems, conjugated polyelectrolytes, battery materials and bioelectronics.

#### **Other Speakers**

Prof. G.U. Kulkarni (Director,Centre for Nano and Soft Matter, Bangalore) Dr. Ritu Gupta (Assistant Professor, IIT Jodhpur)

### **REGISTRATION DETAILS**

# 8 to 12 January 2018

Seminar Hall, Chemistry Department, IIT Jodhpur, NH-65, Karwar-342037, Rajasthan

- Number of participants for the course will be limited to 40.
- Course fees will be charged after registration is confirmed. It includes course material and tutorials only.
- Accommodation and food will be arranged at IITJ Guest House/Hostel on first come first serve basis upon payment.
- Register before : 20, Dec 2017.

Participants from	US \$200
abroad	
Industry/ Private	Rs. 2000
Organizations	
Academic Institutes	Rs. 1000
and Government	
Organizations*	

\* The course fee will be made half for SC/ST students.

**Course Coordinator** 

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For registration, log on: <a href="http://www.gian.iitkgp.ac.in/GREGN/">http://www.gian.iitkgp.ac.in/GREGN/</a>