

Webinar On Novel Material And Characterization For Technological Applications

Event Date : 27/12/2020

International webinar on "**Novel material and characterization for technological applications**" on 27.12.2020

The Chairman of this webinar Dr. C. Krishna said that the emergence of new materials catalyzes transformative advances in civilizations. Most of the researches especially in Physics focused on the innovation of Novel materials which have various applications in daily life.

During Conveners message, Dr.K.Jyothi said that the development of sustainable, durable, smart, and functional materials is the new challenge that researchers all over the world are facing in order to tackle the aforementioned needs.

One of the Resource person Dr. G. Bhagavannarayana gave his presentation over various advancements in Photo voltaic cells. He quoted different methods to harvest Solar energy through c-Si to quantum dot solar cells.

Another resource person Dr. A. Naresh Kumar Reddy explains how dynamic and robust laser beam shaping for advanced material processing applications.

Dr.Prasanth kumar Vaidya explains all the process for the Synthesis and Characterization of Solid oxide fuel Cells.

During interaction session, nice deliberations have been made.

Org.Secy.Dr.MVK Meher thanked all the resource persons and members who attended the webinar.

The program was ended with a National anthem.

RITHAPUR RAJAH'S GOVERNMENT COLLEGE (A), KAKINADA
 DEPARTMENT OF PHYSICS & ELECTRONICS
 in Collaboration with IQAC
ONE DAY INTERNATIONAL WEBINAR
Novel Materials and Characterization for Technological Applications
27th December 2020

TOPIC	TIME	RESOURCE PERSON
An overview on Advancements in photovoltaics: Harvesting Solar energy through c-Si to Quantum Dot solar cells	12 - 1 PM	 Dr. C. Krishna, Assistant Professor, IQAC, Rithapur Rajah's Government College (A), Kakinada
Dynamic and robust laser beam shaping for advanced material processing applications	4 - 5 PM	 Dr. A. Srinivas, Assistant Professor, IQAC, Rithapur Rajah's Government College (A), Kakinada
Synthesis and Characterization of Solid Oxide Fuel Cells	5 - 6 PM	 Dr. Srinivas, Assistant Professor, IQAC, Rithapur Rajah's Government College (A), Kakinada

Objectives: To know the concepts of solar cells, types and generation of solar cells, chemical vapor deposition method for thin layer solar cells, Molecular beam epitaxy (MBE) solar cells, third generation systems of photovoltaic energy conversion solar cells, I-V characteristics and their recent developments, processing solar cells and their applications, study of dynamic laser shaping for advanced material processing applications. To know the different fuel cell material, especially solid oxide fuel cells with their synthesis and characterization. To analyse various characterization techniques such as FTIR, SEM, IJV studies etc.

Registration Fee: Nil

Registration for Participants:

- Academician
- Researchers
- Faculty
- Students

Registration and proceedings:

- Laboratory/department certificate with stamp and signature
- Check confirm, registration and attendance and completion
- Designation slip
- Battery with full charge
- E-certificate will provide for full time participants

For any correspondence and enquiries please contact:

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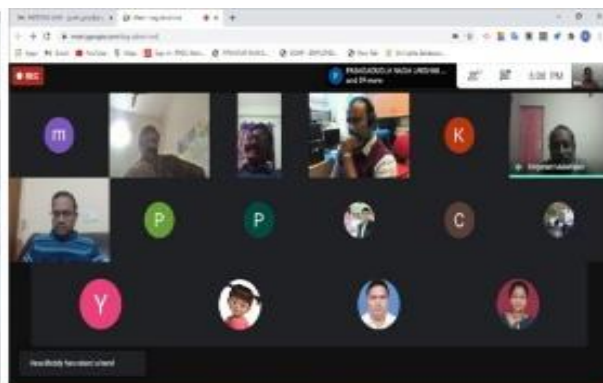
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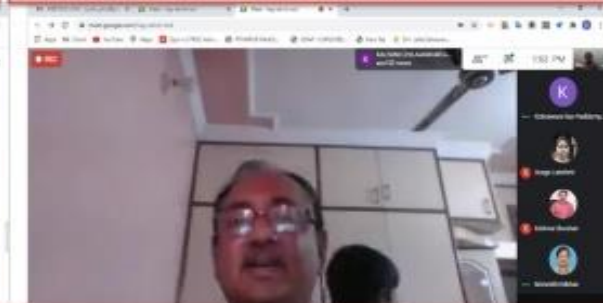
Dr.C.Krishna initiating the webinar



Faculty assembled for Webinar



DR. PRASHANTH KUMAR VAIDYA giving lecture



Dr.G. BHAGAVANNARAYANA delivering lecture