

NEC SA
2024

3rd International Conference on
Nanomaterials for Energy Conversion and
Storage Applications

21st - 23rd February, 2024



PDEU PANDIT
DEENDAYAL
ENERGY
UNIVERSITY

Formerly Pandit Deendayal Petroleum University (PDPU)

UGC RECOGNIZED



SRDC
SOLAR RESEARCH AND
DEVELOPMENT CENTER



DSE
DEPARTMENT OF SOLAR ENERGY

Conference Theme

- Design & Development of Nanomaterials
- Nanomaterials Characterization Techniques
- Computational Methods for Nanomaterials
- Nanomaterial Electrodes for High-Energy Storage in Mobility Devices
- Nanomaterials for Solar Fuel & Environmental Remediation
- Nanomaterials for Energy Storage Systems
- Innovative Semiconductors for Next-Gen Solar cells, Perovskites, Thin Films, & Organics
- Solar PV and Battery Recycling Initiatives

IMPORTANT DATES

Abstract Submission Deadline:
25th January, 2024
[Submit at: necsa@pdp.ac.in]

Abstract Notification:
2nd February, 2024

Early Bird Registration Close:
15th January, 2024

INTERNATIONAL ADVISORY COMMITTEE MEMBERS

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Prof. Kabeer Jasuja, IIT Gn
Dr. Suresh Vemuri, Reliance New Solar

Paper Submission

1. On the basis of peer review, the submitted papers to NECSA-2024 will be selected as oral/poster presentation.
2. The full length papers should be submitted according to the provided format.
3. The detailed instructions about the paper, registration details and the other information are available on the conference website.
4. The abstract would be published in the conference book and the selected papers from oral/posters will have an opportunity of publication in international **Journal of Nanoparticle Research & Journal of Hyperfine Interactions** and upcoming proceedings as per journal terms and conditions.



Best Poster Awards From ACS

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About the University

Situated in Gandhinagar, the capital of Gujarat, Pandit Deendayal Energy University boasts a sprawling 100-acre campus with top-notch infrastructure. Formerly known as the Petroleum University, PDEU has transformed into an Energy University, covering various energy-related disciplines. With an 'A++' grade NAAC accreditation from UGC, PDEU is dedicated to cultivating specialized talent for the global energy sector, offering diverse undergraduate and postgraduate programs, along with focused research initiatives.



About the Department of Solar Energy

The Department of Solar Energy was introduced in year 2008 is a school of university and became a part of School of Technology in 2014 and now DSE is a part of School of Energy Technology from 2023. It has been offering M. Tech in Energy Systems (focused on Solar Energy, Electric Vehicle and Green Hydrogen) and PhD programs in various fundamental and applied aspects of solar energy material and devices.



About the Solar Research & Development Center

Established in 2013 as a government-endorsed center of excellence, the Solar Research & Development Center (SRDC) at PDEU focuses on fundamental and applied research in solar photovoltaic, solar fuel, fuel cells, and energy storage. The center is actively engaged in projects related to Solar Photovoltaic Energy Storage, off-grid and distributed solar systems, and E-Mobility applications. Through rigorous R&D efforts in module-level research, field data validation, energy policy analysis, and more, SRDC aspires to be a leading center for advanced research and innovative solutions in harnessing cost-effective solar energy. Additionally, SRDC plays a pivotal role in monitoring the performance of the 1 MW PV power plant and the 45 MW Solar Module manufacturing unit at PDEU.



About the Conference

The escalating energy demand and the need to reduce fossil fuel dependency drive a global shift towards cleaner energy sources, including Solar PV, Green Hydrogen, Fuel cells and energy storage solutions like Batteries and supercapacitors. The Solar Research and Development Center, in collaboration with the Department of Solar Energy, is spearheading an International Conference on Nanomaterials for Energy Conversion and Storage Applications. Objective of this event is to foster information exchange, enhancing awareness of the potential opportunities, challenges, and risks linked to nanotechnology in Energy Conversion and Storage. The conference unites researchers and industries on a common platform to share knowledge, explore nanomaterials' contributions to sustainable energy devices, and discuss the equitable distribution of benefits, risks, and responsible stewardship in energy storage applications.

Glimpse of NECSA 2018 & NECSA 2022: Relive the energy and camaraderie of our past conference through these cherished snapshots, capturing the essence of shared knowledge and memorable connections.



Benefits to the Sponsors

Sponsoring NECSA 2024, presents a host of advantages for companies and organizations in the Solar Energy, Energy Storage, Green Hydrogen & nanomaterials sector. By aligning your brand with this event, you can bolster your industry reputation and visibility. Sponsors gain exclusive exposure to a diverse audience comprising researchers, scientists, faculty, and industry professionals. This exposure extends through various promotional opportunities, including logo placements & exhibition booths. Sponsors can also leverage this platform to showcase their products, technologies, and services, knock up valuable connections and potential collaborations. It's an excellent way to demonstrate corporate social responsibility and reinforce your company's dedication to advancing sustainable energy solutions.

Benefits to the Attendees

Participating in NECSA 2024, offers a multitude of advantages for attendees, Firstly, this conference serves as a platform for knowledge exchange and collaboration, allowing participants to stay updated on the latest advancements in nanomaterials for energy-related applications. It provides a unique opportunity to interact with experts and peers from around the world, fostering the exchange of ideas and potential collaborations. Additionally, attendees can gain insights from renowned keynote speakers and explore a diverse range of sessions and workshops, enriching their understanding of cutting-edge research and industry trends. Furthermore, networking events and social gatherings enhance personal and professional connections.

Registration Details

Fee Structure	National Delegates (INR)	International Delegates (USD)
For Students (Early Bird) Till 31 st December	2000	100
Students	3000	150
Faculty/ Scientific Staff	5000	200
For Industries	7000	300



[Scan to Register](#)

Getting to PDEU

Gandhinagar is very well connected by road, rail and air transport. PDEU is located about 14 km from Sardar Vallabhbhai Patel International Airport, Ahmedabad and 21 km from Kalupur railway station, Ahmedabad. The campus can also be reached by public transport such as taxi and auto rickshaws.





CHIEF PATRON:

Prof. (Dr.) S. S. Manoharan

Director General, PDEU

PATRON:

Prof. Anirbid Sircar

Director, School of Energy Technology, PDEU

Col. (Dr) Rakesh Kumar Shrivastawa

Registrar, PDEU

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