



J. C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA, FARIDABAD

(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22)

Accredited 'A+' Grade by NAAC

DEPARTMENT OF CHEMISTRY

in association with VIBHA and NEED Mission, organized a one-day symposium on
"Climate Crisis to Net Zero: A Pathway for Action"

Name of Department conducting the activity	Department of Chemistry
Date of conduct	Sept 29, 2026
Activity Convener	Dr. Anurag Prakash Sunda and Dr. Sita Ram
Amount Spent	Rs. 8141
Funding/ grant from (University/ Industry/ UGC/ AICTE/ DST/ TEQIP/ Outside Society/ agency/others (mention)	University
Target audience	Faculty Members and Students of Chemistry (UG, PG)
No. of beneficiaries	80+
Outside guests	- Prof. Lakshmi Kumar, JNU NewDelhi - Prof. Sushil Kumar, JNU NewDelhi - Prof. Anand Sarkar, JNU NewDelhi
Any other information	LinkedIn Post Link
Activity Links	

Flyer

J.C. Bose University of Science and Technology, YMCA Faridabad, Haryana
(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22 to Confer Degrees)
(A Haryana State Government University, Accredited 'A+' Grade By NAAC)

DEPARTMENT OF CHEMISTRY

In association with
VIBHA and NEED Mission
welcomes participation in
One Day Symposium

**Climate Crisis to Net Zero :
A Pathway for Action**

Empowering the Future through Environmental Awareness and Renewable Energy

September 29, 2026 (Tuesday) 10.00 AM Onwards

Patron-in-Chief
Prof. Sanjay Kaushik
Hon'ble Vice Chancellor
J. C. Bose UST, YMCA Faridabad

Patron:
Prof. (Dr.) Ajay Ranga
Registrar
J. C. Bose UST, YMCA Faridabad

Program Chair:
Dr. Bindu Mangla

Convener:
Dr. A. P. Sunda
Dr. Sita Ram

Organizing Committee Members:
Faculty Members
Department of Chemistry

Program Objectives

- To spread awareness of energy conservation and adopting an alternative approach for energy sustainability.
- To sensitize students about sustainable solutions for ensuring energy security and tackling environmental challenges.

Program Schedule

10.00 AM - 11:00 AM	Inaugural Session
11.30 AM - 1.00 PM	Technical Session - Dr. Lakshmi Kumar, JNU - New Solutions of Climate Change - Dr. Susheel Kumar, JNU - New Energy Resources - Dr. Anand Sarkar, JNU - Biomass & Net zero
2.15 PM - 4.15 PM	Post-Lunch Session - Panel Discussion: Dr. Narender Sisodia (Chair) Invitees: Dr. Lakshmi Kumar & Dr. Susheel Kumar - Interaction with students Career and future in Net Zero world

Venue: SB 803: CV Raman Science Block



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Pics of the event



REPORT SUMMARY

The Department of Chemistry, J.C. Bose University of Science and Technology, YMCA, Faridabad, in association with VIBHA and NEED Mission, organized a One-Day Symposium on "Climate Crisis to Net Zero: A Pathway for Action" on 29 September 2026. The symposium focused on creating awareness among students and faculty regarding climate change, energy conservation, renewable energy, carbon reduction, waste management, and sustainable pathways towards a Net Zero future.

The programme commenced with an inaugural session, during which Prof. Sanjay Kaushik, Hon'ble Vice Chancellor, interacted with the participants and encouraged them to take a fruitful message from the symposium discussions to contribute towards empowering the future through sustainable energy solutions and addressing societal challenges.



Prof. (Dr.) Ajay Ranga, Registrar, congratulated the Department of Chemistry for organizing the initiative and appreciated the efforts towards creating awareness about energy economy, energy sustainability, and contemporary climate challenges.

Dr. Bindu Mangla, Chairperson, Department of Chemistry, welcomed the guests, faculty members, and students and highlighted the objectives of the symposium. She emphasized the importance of engaging young minds in discussions on energy sustainability and environmental challenges.

Dr. Anurag P. Sunda, Convenor of the programme, provided an overview of the symposium and highlighted the role of youth in innovation, research, entrepreneurship, and the development of renewable-energy solutions. He also conducted the sessions and facilitated interactions among the experts and participants.

Technical Session

The technical session featured insightful lectures by eminent experts on different dimensions of climate change and sustainable energy.

Prof. Lakshmi Kumar, Jawaharlal Nehru University (JNU), delivered a talk on climate change and the urgent requirement for achieving Net Zero carbon emissions. She highlighted the significance of coordinated efforts in reducing greenhouse-gas emissions and transitioning towards sustainable energy systems.

Prof. Sushil Kumar, JNU, discussed the role of alternatives to coal-based products and energy resources in reducing carbon emissions. His presentation emphasized the need to explore cleaner and sustainable alternatives to conventional carbon-intensive resources.

Prof. Anand Sarkar, JNU, discussed various approaches for addressing climate challenges, including carbon capture, enhanced plantation, agricultural reforms, organic farming, and gene-editing technologies. His presentation provided a broad perspective on technological and nature-based solutions for mitigating environmental challenges.

Post-Lunch Session and Industry Interaction

The post-lunch session included an engaging discussion on the role of industry in tackling climate challenges. Mr. Narendra Sisodia delivered the opening remarks and highlighted the importance of industry participation, innovation, and collaboration in addressing environmental and climate-related challenges.

The session was followed by an interactive discussion with students and faculty members. Participants actively engaged in discussions related to start-ups, waste management, circular approaches, and technologies for reducing carbon emissions. The interaction provided students with an understanding of emerging opportunities for entrepreneurship and innovation in the sustainability sector.

Dr. Somvir Bajar from EVS department raised important queries concerning waste dumping, waste-management practices, and opportunities for the productive utilization and value addition of waste. The discussion generated considerable interest among students and faculty and emphasized the need to view waste as a potential resource rather than merely an environmental burden.

Concluding Session

The symposium concluded with a vote of thanks delivered by Dr. Sita Ram, who expressed gratitude to the Hon'ble Vice Chancellor, Registrar, invited experts, faculty members, students, organizing team, and associated organizations for their valuable contributions and participation.



The symposium provided a meaningful platform for knowledge exchange, expert interaction, and awareness generation on climate change, renewable energy, Net Zero pathways, waste management, sustainable agriculture, carbon reduction, and green entrepreneurship. The active participation of students and faculty made the programme highly interactive and helped reinforce the message that collective action, innovation, youth participation, and collaboration among academia, industry, and society are essential for building a sustainable and climate-resilient future.

जे.सी. बोस यूनिवर्सिटी में 'जलवायु संकट से नेट जीरो' विषय पर एक दिवसीय संगोष्ठी संपन्न

► विशेषज्ञों ने जलवायु परिवर्तन, नवीकरणीय ऊर्जा, कार्बन उत्सर्जन और अपशिष्ट प्रबंधन पर किया मंथन

तहलका जज्बा/दीपा राणा

फरीदाबाद। जे.सी. बोस यूनिवर्सिटी के रसायन विज्ञान विभाग ने विभा एवं नीड मिशन के सहयोग से 'जलवायु संकट से नेट जीरो: निपटने के मुख्य कदम' विषय पर एक दिवसीय संगोष्ठी आयोजित की। इसका उद्देश्य विद्यार्थियों और शिक्षकों को जलवायु परिवर्तन, ऊर्जा संरक्षण, नवीकरणीय ऊर्जा, कार्बन उत्सर्जन में कमी, अपशिष्ट प्रबंधन और नेट जीरो की दिशा में व्यावहारिक उपायों के प्रति जागरूक करना था। उद्घाटन सत्र में कुलगुरु प्रो. संजय कौशिक ने कहा कि संगोष्ठी से प्राप्त ज्ञान को शैक्षणिक



एवं व्यावसायिक जीवन में अपनाकर सतत विकास में योगदान देना चाहिए। कुलसचिव प्रो. अजय रंगा ने रसायन विज्ञान विभाग की पहल की

सराहना करते हुए युवाओं को पर्यावरण संरक्षण और सतत विकास के लिए जिम्मेदार भूमिका निभाने का आह्वान किया। विभागाध्यक्ष डॉ.

बिंदु मंगला ने अतिथियों, विशेषज्ञों, शिक्षकों और विद्यार्थियों का स्वागत किया। कार्यक्रम संयोजक डॉ. अनुराग पी. सुंडा ने संगोष्ठी की रूपरेखा प्रस्तुत करते हुए नवाचार, अनुसंधान, उद्यमिता और नवीकरणीय ऊर्जा समाधानों में युवाओं की भूमिका पर प्रकाश डाला। तकनीकी सत्र में जवाहरलाल नेहरू विश्वविद्यालय के प्रो. लक्ष्मी कुमार, प्रो. सुशील कुमार और प्रो. आनंद सरकार ने जलवायु परिवर्तन, नेट जीरो कार्बन उत्सर्जन, स्वच्छ ऊर्जा, कार्बन कैप्चर, वनीकरण, जैविक खेती और जीन एडिटिंग जैसे विषयों पर विचार रखे। दोपहर बाद उद्योग जगत की भूमिका

पर चर्चा हुई। नरेंद्र सिसोदिया ने उद्योग, अकादमिक संस्थानों और अन्य हितधारकों के सहयोग की आवश्यकता बताई। संवादात्मक सत्र में स्टार्ट-अप, अपशिष्ट प्रबंधन, सर्कुलर अप्रोच और कार्बन उत्सर्जन घटाने वाली तकनीकों पर चर्चा हुई। पर्यावरण अध्ययन विभाग के डॉ. सोमवीर बजाड़ ने कचरा डंपिंग और अपशिष्ट के उत्पादक उपयोग से जुड़े प्रश्न उठाए। समापन सत्र में डॉ. सीता राम ने धन्यवाद ज्ञापित किया। संगोष्ठी ने जलवायु परिवर्तन, नेट जीरो, सतत कृषि, अपशिष्ट प्रबंधन और हरित उद्यमिता पर विशेषज्ञ संवाद के लिए सार्थक मंच प्रदान किया।