

Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous),

Matunga, Mumbai-19.

Department of Chemistry

Report of E-3 Lecture series (2024-25)

Date: February 1, 2025

The E-3 (Enrich, Enhance and Excel) lecture series for the academic year 2024-25 was organised by Chemistry Department under IQAC, Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous).

The offline Lecture on "Green House Gases, Climate Change and Carbon Credit" was delivered by Mr. Sanjay Agarwal, Technical Director, Carbon Check India Pvt. Ltd., Mumbai on Saturday, February 1, 2025 from 10:30 to 12:00pm in Room no.11, ground floor. The lecture was attended by TYBSc and MSc Chemistry students.

Dr. Harmeet Kaur Kohli and Dr. Deepa Parab were the event organisers. Head of Chemistry Department, Dr. Ajitha Rani R. elaborated on the theme of E3 lecture series as well as the significance of the arranged talk.

The guest speaker was introduced by Dr. Harmeet Kaur Kohli. Mr. Sanjay is a Chemical Engineer with more than 27 years of experience in various functions. Initially for around 10 years worked in different roles in Chemical Industries in production/operations and had a detailed insight into the various chemical operations. Sanjay is a climate change and sustainability expert working on diversified projects and roles for last 17 years. He has undergone extensive training in the validation and verification of GHG offset projects. He has actively been involved in the validation and verification and internal technical review of more than 300 GHG offset projects under different GHG Programs and worldwide, covering a range of sectoral scopes, such as Energy industries (renewable / non-renewable sources), Energy efficiency, Manufacturing industries, Chemical industries, Fugitive emissions from fuels (solid, oil and gas), waste management, etc. Presently Mr. Sanjay is Technical Director at Carbon Check India Pvt. Ltd.

In this talk, Mr. Sanjay Agarwal discussed the basics of green house gases, their sources and effects on climate change. There was continuous interaction and the students themselves listed out all the points. Sir introduced the term "Carbon Credits" and discussed about Kyoto Protocol

*Kohli*

and Paris Agreement, thus creating global awareness about the topic. The importance of other renewable energy methods was also discussed and importance of all tools for mitigation of climate change were covered. The role of developed and developing countries for mitigation of climate change and greenhouse gases emission was included in the talk.

99 participants (71 female and 20 male participants) attended the lecture. The lecture was well received by the students. The interaction of the students with the speaker was marvellous and the lecture was well appreciated. Online feedback form was collected from all the students.

### **LEARNING OBJECTIVES AND LEARNING OUTCOMES**

The lecture was planned with an aim to achieve the following learning objectives.

#### **Learning objectives-**

- 1) To learn about the effects of green house gases on Climate change.
- 2) To learn the concept of Carbon Credits
- 3) To understand the role of Carbon Credits in mitigating Climate change.
- 4) To ignite the young minds to think about sustainability.

#### **Learning outcomes-**

- 1) The students understood the role of green house gases on Climate change and analysed their different sources.
- 2) The students understood the concept of Carbon Credits and its role in mitigating Climate change.
- 3) The participants will be able to apply the knowledge and try to find sustainable solutions.

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**FEEDBACK ANALYSIS**  
**DEPARTMENT OF CHEMISTRY**  
**E3 lecture series under IQAC**

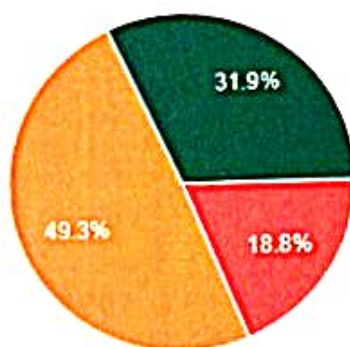
Title : "Green House Gases, Climate Change and Carbon Credit"  
Resource Persons : Mr. Sanjay Agarwal, Technical Director, Carbon Check India Pvt. Ltd.  
Date : 1st February 2025  
Time : 10.30.a.m. to 12.30 p.m.  
Mode of Delivery : Offline: Room No. 11, Ground floor.

Total feedback forms received: 69

Q. What is your overall assessment of the event?

What is your overall assessment of the session?

69 responses

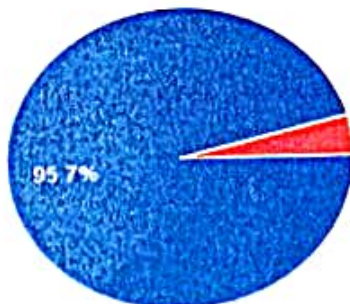


● Poor  
● Average  
● Good  
● Excellent

Q. Did the speaker do justice to the topic?

Did the speaker do justice to the topic?

69 responses



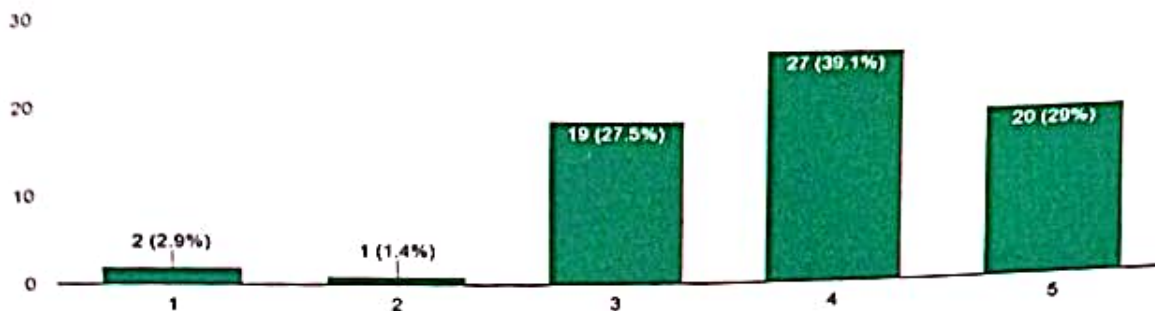
● Yes  
● No

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Q. Was the speaker able to communicate effectively?

Was the speaker able to communicate effectively?

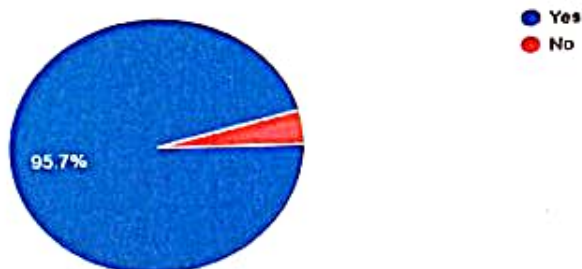
69 responses



Q. Was the speaker able to positively influence my views towards the topic?

Was the speaker able to positively influence your views towards the topic?

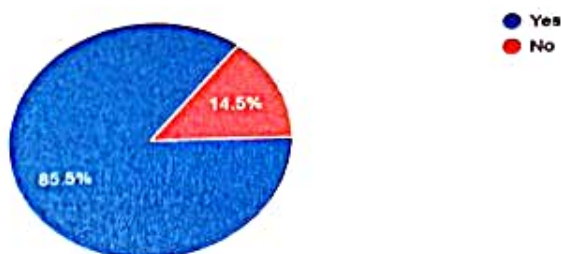
69 responses



Q. In future, I would like to attend more lectures by the same speaker on similar topic.

In future, I would like to attend more lectures by the same speaker

69 responses



*Kohli*  
Dr. Harmeet Kaur Kohli  
Event Coordinators

*Parab*  
Dr. Deepa Parab

*Altha Rani R.*  
Dr. Altha Rani R.  
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