

International Conference  
on

# Green Energy & Sustainable Environmental Technology GESET-2022

A special initiative on "OZONE DAY"

15-16 September, 2022

(Hybrid mode)

Jointly Organized by



School of Chemical Technology

(KIIT Deemed to be University)

and



Save the Environment (STE), Kolkata

Sponsored by



SERB, DST, Govt. of India

## About the Conference

“Life wouldn't be so good on earth if the ozone layer wouldn't be there”. Justifying these words, the Montreal Protocol on Substances that Deplete the Ozone Layer was signed in 1987 by United Nations General Assembly and thus September 16 was observed as International Day for the Preservation of the Ozone Layer. One of the critical compounds that is creating a concern globally is chlorofluorocarbons (CFCs) for ozone layer depletion. CFCs contribute to the weakening of the ozone layer and slowly creating an alarming situation all over the world. As the ozone is a greenhouse gas thus, depletion in the stratosphere lowers the greenhouse effect.

At this International Conference on Green Energy and Sustainable Environmental Technology (GESET 2022), academics, scientists, researchers, industry experts and policy makers will gather to discuss the latest developments in sustainable technologies and materials for harvesting "Green Energy" while also protecting the OZONE LAYER's delicate ecosystem. This conference will also provides a premier interdisciplinary platform for researchers, practitioners, and educators to present and discuss the most recent developments in the fields of sustainable technology development in order to protect the Earth by mitigating various environmental problems, such as air pollution, water pollution, or other types of pollution. Speakers from academia and industry will share their expertise in a variety of fields during the conference.

1. To raise awareness of OZONE DAY and the need of protecting the ozone layer.
2. To encourage a new generation of scientists to work for environmental conservation as a goal in their careers.

Students, researchers, and academicians working in fields related to applied sciences and transdisciplinary topics are the target audience for this conference call. The conference is open to delegates from industries, professions, and other connected entities participating in the field of research.

The following themes are included in the conference:

1. **Ozone layer and its Impact on Global warming**
2. **Green energy harvesting technologies**
3. **“Green Technologies” to create a sustainable earth.**
4. **“Green Material” to create a sustainable earth**
  - ❖ Solid waste management
  - ❖ Environmental Pollution and Public Health
  - ❖ Plastic & Polymer type waste
  - ❖ Reuse of Industrial waste towards the minimizing the solid
  - ❖ Waste problems
  - ❖ Soil Pollution and Treatment
  - ❖ Wastewater treatment and Reuse

In 1992, Kalinga Institute of Industrial Technology (KIIT) was founded as a vocational training facility with just two employees and 12 students. However, it wasn't until 1997 that it began offering degree engineering programmes that it truly came into being as a university. With little land, little money (only Rs. 5000), and no experience in higher education, KIIT's founder Prof. Achyuta Samanta had the vision to establish a facility for the benefit of society. From these humble origins, KIIT has grown to become a renowned institution with a strong interdisciplinary culture and dedication to teaching quality. One of the earliest educational facilities in the State of Odisha to enroll overseas students in its various academic programmes is KIIT. Over 60 nations, including the majority of South Asian nations, send students to KIIT, demonstrating the institution's reputation as a top-notch professional education centre that cuts beyond national boundaries. Its protégé, the KISS Foundation, is an NGO with its main office in Bhubaneswar, Odisha, in India. This initiative's educational arm, known as School, College, and University, is situated where food, education, and empowerment converge. Our motivation comes from the conviction that a world free from hunger, poverty, and illiteracy is attainable. School of Chemical Technology at the KIIT (KSCT) is conceived with the specific objective of creating an

interdisciplinary academic and research center integrating the fields of applied chemistry, chemical engineering, materials science and nanotechnology to produce human resources for industries. With Prof. Jean Marie Lehn (Nobel Laureate in Chemistry, 1987) as its advisor and mentor, the school is poised to herald a new era of innovative education and research in India. Within a very short time, KSCT has established vibrant research collaborations with many foreign universities (Murdoch University, Australia; Karolinska Institute, Sweden; Institute of Chemical Technology, Prague; Korea Institute of Geosciences and Mineral Resources, South Korea).

SAVE THE ENVIRONMENT (STE) is registered NGO whose mission is to spread awareness about the environment, health, and water issues facing the world today. On November 19, 1990, it was established, and that same day it was registered. During the past 32 years, STE has worked in conjunction with a wide variety of organisations, including the All India Institute of Hygiene & Public Health, the AIIH&PH and India Canada Environment Facility, the DRDO Ministry of Defence, the Department of Science and Technology (DST), and the Indian Institute of Management (IIM), Ahmedabad, in order to reduce the adverse effects of arsenic and provide drinking water that is free of the substance. The long-term goal of the society is to protect present and future generations from the myriad threats posed by the environment. The non governmental organisation (NGO) has been very active in organising a variety of interactive sessions such as conferences (both national and international), workshops, seminars, and awareness programmes among the younger generations. Some of these programmes include poster competitions, quiz competitions, science exhibitions, and webinars.

## Expected Eminent Speakers

**Prof. Cecilia Stålsby**, Professor, Lundborg, Karolinska Institute, Sweden

**Prof. Achintya N. Bezbaruah**, Gehrts Presidential Professor, NDSU, USA

**Prof. Marco Frasconi**, Univeristy of Padova, Italy

**Prof. Satinder K. Brar**, Professor and James and Joanne Love Chair, in Environmental Engineering, Lassonde School of Engineering, York University, Toronto, Canada

**Prof. Weiwei Zheng**, Associate Professor, Syracuse University, USA

**Prof. Narendra Singh**, Scientist 'F' Adtl. Director, Defence Institute of High Altitude Research, DRDO, Leh-Ladakh

**Prof. Sabu Thomas**, Vice-Chancellor, Mahatma Gandhi University, Kerela, India

**Prof. K.K Pant**, Professor, Department of Chemical Engineering, IIT Delhi, India

**Dr. Biswajit Ruj**, Chief Scientist, CSIR-CMERI, Durgapur

**Dr. Kali Sanjay**, Chief Scientist, CSIR-IMMT, Bhubaneswar

**Prof. Ramakrushna Padhy**, Associate Professor, IIM Sambalpur

**Prof. A.K. Sahoo**, Dean, School of Mechanical Engineering, KIIT Bhubaneswar

## Organizing Committee

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**Prof. Achyuta Samanta**, Founder, KIIT & KISS

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**Dr. Sasmita Samanta**, VC, KIIT Deemed to be University

**Prof. Arunabha Majumder**, Emeritus Prof., Jadavpur University, Kolkata and Former Dir., AIIHPH, Kolkata

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**Dr. Kshipra Misra**, President, Save The Environment & Former Adtl. Director, DIPAS (DRDO), Delhi

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**Dr. Jigni Mishra**, Research Associate, IARI, New Delhi & E.C. Member, STE

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**Dr. Manoranjan Patri**, Ex. Director and Scientist H, NMRL (DRDO), Ambarnath  
**Dr. A.K. Datta**, Former CCR&D, DRDO, New Delhi  
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**Dr. Parimal Pal**, HAG Professor, National Institute of Technology Durgapur, India  
**Prof. Papita Das**, Professor, Department of Chemical Engineering, Jadavpur University  
**Dr. Kishor Amin**, Scientific Officer-F, Co-investigator, ICGC-ACTREC, Mumbai  
**Dr. Sushil Kumar Singh**, Scientist-F, Solid State Physics Lab., Lucknow Road, Timarpur, Delhi  
**Dr. Kalpana Bhargava**, Additional Director/Scientist "F", GPS Division, High Energy Material Research Lab (HEMRL), Defence Research and Development Organization (DRDO), Ministry of Defence, Government of India, Sutarwadi, Pashan, Pune, Maharashtra  
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**Mr. Chaturmukh Pattanaik**, Former Executive Director, Delta Steel, Nigeria  
**Mr. Bibek Dash**, Scientist, CSIR-IMMT, Bhubaneswar

## Calendar and Deadline

Abstract submission:	31st August, 2022
Acceptance of abstract:	20th August, 2022
Pre-registration:	5th September, 2022
Full Paper Submission:	10th September, 2022

## Registration Fee

Faculty:	Rs. 2000/-	Rs. 2200/-
PG/Research Scholar:	Rs. 1000/-	Rs. 1200/-
Undergraduate:	Rs. 800/-	Rs. 1000/-
Industry:	Rs. 5000/-	Rs. 5500/-
Foreign Delegates:	USD 100/-	USD 110/-

## Bank details for Electronic Transfer

Account Name: **Save The Environment**

Account Number: **38041963371**

Bank and Branch: **State Bank of India, Lake Town, Kolkata**

IFSC Code: **SBIN0001506**

**Google Pay** to: Mrs. Chhanda Basu ; Mobile No. **9830779260**

## Conference Venue

Conference Hall, KIIT Deemed to be University, Patia, Bhubaneswar, Odisha, 751024



## Call for Papers

Abstract should be limited to 300 words (excluding title, name, designation, affiliations, and keywords). Page set up: A4 paper, margin: left (3cm), right (2cm), top (3cm) and bottom (3cm). The title must be less than 200 characters, bold 14 point Times New Roman and in center. For the text of abstract, 10 point Times New Roman in sentence case should be in justified alignment with “single line” spacing followed by maximum of 5 keywords. Abstract/ full length paper should be uploaded only through designated link (to be updated in the website).

## Poster Presentation

Papers are invited for poster presentation. The poster should be related with the topic and sub themes of the Conference. The poster size should be **3 feet Width x 4 feet Length**.

## Best Oral and Best Poster Awards

In addition, the Best Oral Presentation and Best Poster Awards are given away during the Conference.

## Plagiarism Policy

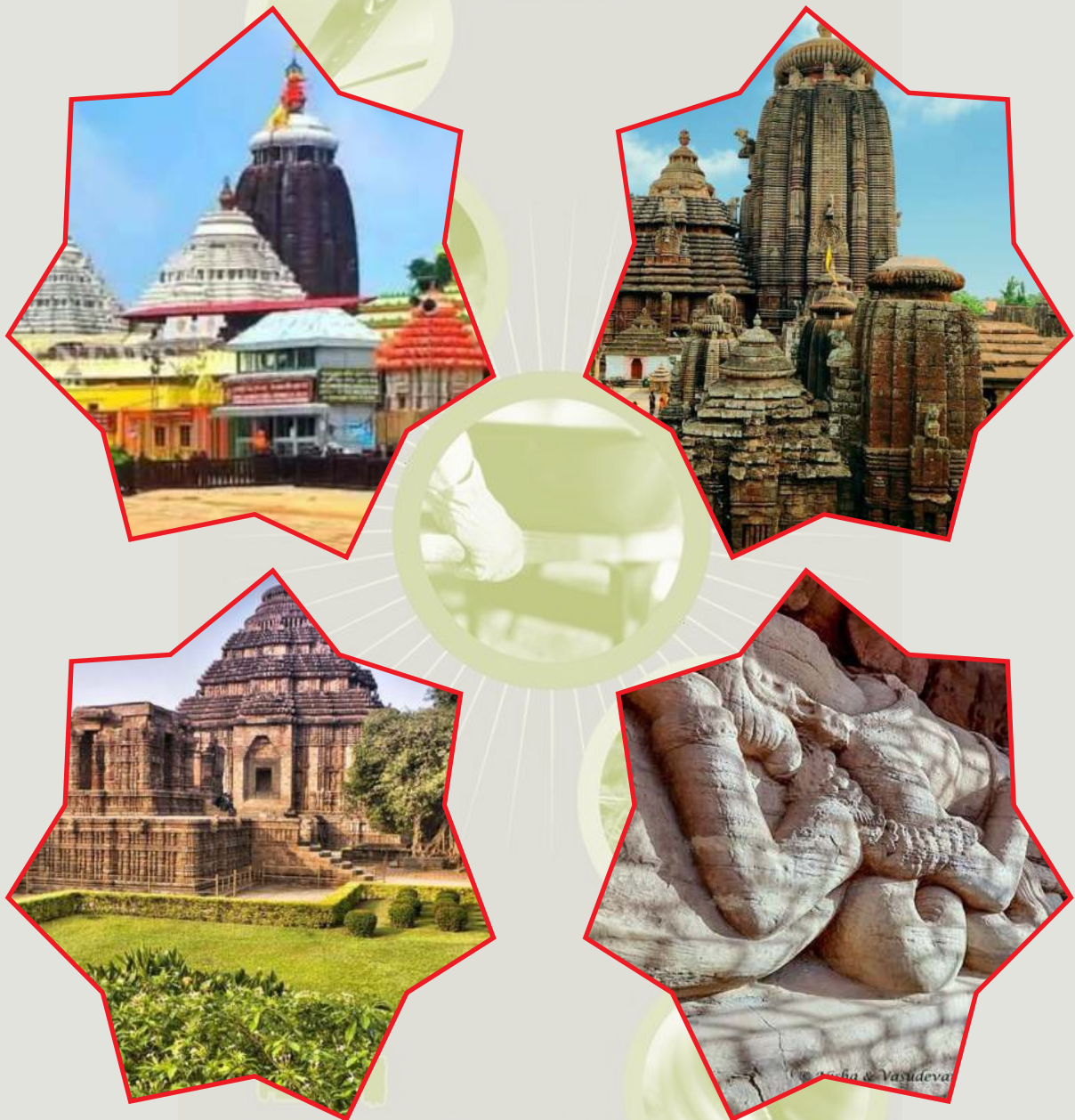
Authors should submit their original and unpublished research work, which is not under consideration for publication elsewhere. Authors are also requested to kindly refrain the full length paper from plagiarism. Manuscripts found to be plagiarized during any stage of review will be rejected.

## Conference Registration Link

<https://www.stenvironment.org> | <https://kiit.ac.in/>

## About Bhubaneswar

Bhubaneswar, an ancient capital of Kalinga Empire, has a greatest architectural legacy of temples like Jagannath, Lingaraj, Mukteswar, Brahmeswar, etc. from 7th to 11th century A.D., which is one of the greatest attractions of tourism. Apart from the temples, the caves of Khandagiri and Udayagiri, Nandankanan zoological park, Kanjia Lake, etc. are also the attractions of visitors.



## CONTACT DETAILS

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