

**Report on The International Conference on
Green Energy & Sustainable Environmental Technology (GESET-2023)
16-17 September, 2023**

The International Conference on Green Energy & Sustainable Environmental Technology (GESET-2023) was organized by Save the Environment (STE), Kolkata/Gurugram, India in collaboration with Raj Kumar Goel Institute of Technology (RKGIT), Ghaziabad, at Raj Kumar Goel Institute of Technology Ghaziabad on 16th-17th September 2023.

The main aim of this conference was to bring together leading academicians, scientists, researchers, industry experts and policy makers 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 mediated 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 unprecedented pollution and climate change.

The Inaugural ceremony was held on 16th September 2023, from 10:30 AM to 12:30 PM at Seminar hall, RKGIT Ghaziabad in the presence of **Honorable Chief Guest Dr. S. K. Goyal**, Chief Scientist and Head, CSIR-NEERI, Delhi Zonal Centre; **Prof. Arunabha Majumder**, Patron, STE and Emeritus Prof., Jadavpur University, Kolkata and Former Director, AIIHPH, Kolkata; **Dr. Laxman Prasad**, Group Advisor RKG Group of Institutions; **Dr. D.K. Chauhan**, Executive Director RKG Group of Institutions; **Dr. B. C. Sharma**, Director RKGIT; **Dr. Kshipra Mishra**, Convener of GESET 2023, President, Save The Environment and Former Additional Director, DIPAS (DRDO), Delhi and **Prof. Poonam C Kumar**, Head, ASH department, RKGIT along with Deans, Principal Pharmacy, various heads of the departments, faculty members and delegates.

Dr. B. C. Sharma, Director RKGIT, welcomed the Chief Guest, guests, delegates and participants and spoke about the significance of World Ozone Day. **Dr. Laxman Prasad**, Honorable Adviser, RKG Group of Institutions, talked about the major causes of climate change and global warming and the major steps that should be taken in moderating these changes. Opening Remarks of GESET-2023 were given by **Prof. Arunabha Majumder**, Patron, STE. **Dr. Kshipra Mishra**,

President, STE and Convener, GESET 2023 enlightened the audience about the vision and mission of STE and how GESET-2023 conference is in alignment to aforesaid. **Dr. Jigni Mishra**, Organizing Secretary, GESET-2023 introduced the audience about STE and the various activities undertaken by STE in past couple of years, towards environment awareness and health improvement.

Thereafter, release of the conference proceedings was done by Honorable Chief Guest and other dignitaries in front of delegates, students, various heads of the department and faculty members. **Hon'bl Chief Guest Dr. S. K. Goyal** addressed the gathering and delivered words of knowledge on the importance of green energy and sustainability. He also explained the need of sustainability in industries and how the young generation with innovation and proactiveness, should come forward in contributing to SDG. The inaugural session ended with **Dr. Poonam C Kumar**, Convener of the conference, offering the Vote of thanks, followed by national anthem by all.

Soon after the Inaugural session, the Plenary session started, comprising plenary talks by **Dr. Nupur Bahadur**, Head, NTCOE, TERI, Delhi (in online mode) and **Dr. R. M Bharadwaj**, Former Additional Director, Central Pollution Control Board, Delhi. Chairperson of the plenary session was **Dr. Puneet Chandra Srivastava** (Dean EII, RKGIT Ghaziabad).

On Day 1, the post – lunch session witnessed two technical sessions, inclusive of invited talks by **Prof. Gautam Paul**, Indian Statistical Institute, Kolkata; **Prof. Tapas Chowdhury**, Department of Agricultural Microbiology, Indira Gandhi Krishi Vishwavidyalaya, Krishak Nagar, Raipur; **Dr. Yasheshwar**, Acharya Narendra Dev College, University of Delhi and **Dr. Sujoy Bose**, Indian Institute of Chemical Engineers, Kolkata. In parallel, the oral and poster presentations by student participants (hybrid participation) were also conducted.

Chairpersons of above sessions were **Dr. Vinish Kumar** (HoD CSE AI-ML, RKGIT Ghaziabad) and **Dr. Preeti Sharma** (HoD CSE-DS, RKGIT Ghaziabad).

Day 1 of GESET-2023 ended with high tea.

On Day 2, plenary talks were delivered by **Dr. Girija K Bharat**, Managing Director, Mu Gamma Consultants, Gurgaon; **Dr. K. Ranganathan**, Additional Director, Central Pollution Control Board, Delhi; **Dr. Arti Bhatt**, Scientist G, CFEES (DRDO), Delhi. Chairpersons of the plenary session were **Dr. Sanjeev Goyal** (Professor ASH, RKGIT Ghaziabad) and **Dr. S. P. Bihari** (HoD EEE, RKGIT Ghaziabad).

In technical sessions of second day, invited speakers were **Dr. Mhaveer Singh**, Pharmacy Academy, IFTM University, Moradabad; **Dr. Prachi Singh**, Assistant Professor, Department of Environmental Sciences, Hindu College, University of Delhi; **Dr. Rustam Ekbbal**, Department of Pharmacology, IIMT College of Medical Sciences, Meerut; **Dr. Somak Chatterjee**, Department of Chemical Engineering, BITS–Pilani, Rajasthan; **Prof. B.P. Singh**, Department of Physics, Aligarh Muslim University, Aligarh and **Dr. Gaurav**, Department of Pharmacognosy and Phytochemistry, IIMT College of Medical Sciences, Meerut. Chairperson was **Dr. Rekha Singh** (HoD CE, RKGIT Ghaziabad).

Parallel sessions of oral and poster presentations were moderated as well.

The Valedictory function started at 5:30 PM, on 17th September, 2023 in attendance by all respected delegates of GESET-2023. The Valedictory function was graced by **Honorable Chief Guest Dr. N. Khare**, Scientist ‘G’, Ministry of Earth Sciences, Government of India, Delhi and **Honorable Guest of Honor Shri S. K. Varshney**, Head, International Co-operation, Department of Science & Technology, Government of India Delhi, along with **Dr. Laxman Prasad**, Group Advisor RKG Group of Institutions; **Dr. B. C. Sharma**, Director RKGIT; **Dr. Kshipra Mishra**, Convener of GESET 2023, President, Save The Environment and Former Additional Director, DIPAS (DRDO), Delhi and **Prof. Poonam C Kumar**, Head, ASH department, RKGIT. **Honorable Chief Guest Dr. N. Khare** delivered words of wisdom on present modern strategies being devised to control the repercussions of climate change and how every citizen should make an effort towards achieving the goal of sustainable development.

Honorable Guest of Honor Shri S. K. Varshney spoke about the prevailing situation of effects of human activities on ozone layer and the scientific policies in operation to reduce the impact.

After the erudite addresses by Guests of Valedictory session, felicitation ceremony was observed where the Best Oral presentations and Best Poster presentations were declared. Also, the members

of the Organizing Committee of GESET-2023 were appreciated for their unwavering efforts in making GESET-2023 a success.

With kind support from the **HRDG, CSIR, New Delhi**, the International Conference on Green Energy & Sustainable Environmental Technology (GESET-2023), organized by Save the Environment (STE), Kolkata/Gurugram, India in collaboration with RKGIT, Ghaziabad, on 16th-17th September 2023 was successfully concluded.

Major recommendations from International Conference on Green Energy & Sustainable Environmental Technology (GESET-2023):

- Steps to mitigate climate changes from an Indian perspective have to be dynamized.
- Modern wastewater and waste treatment strategies have to be adopted, especially from a viewpoint on agricultural wastes.
- Awareness about technology-driven remediation methods have to be put into action, specifically at semi-urban and rural levels.
- Environmental awareness in an empirical manner, should be made part of curriculum to encourage youth participation.
- Waste segregation and cleanliness drives should be monitored on a daily basis.

P. S.: Some photos of the event are attached herewith.





