



AMITY UNIVERSITY

Amity Institute of Environmental Sciences

On The Occasion of

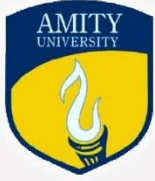
National Pollution Control Day

Organized

WEBINAR

on

***“Scientific and Technological Research for Pollution Prevention
& Control” on 03rd December 2021***



AMITY INSTITUTE OF ENVIRONMENTAL SCIENCES

National Pollution Control Day- 2021

Webinar on
**"Scientific and Technological Research
for Pollution Prevention & Control"**

December 3rd, 2021, Time: 03:00pm – 05:30pm



Dr. Ram Nivas Jindal
Executive Director, Nimbua
Greenfield LTD



Dr. Brijesh Yadav
Professor & Head,
Department of Hydrology,
IIT Roorkee



Prof. Chirashree Ghosh
Professor, Dept. of
Environmental Studies
University of Delhi



Dr. Subhadarsini Das
Environment Engineer,
SPCB, Odisha, India

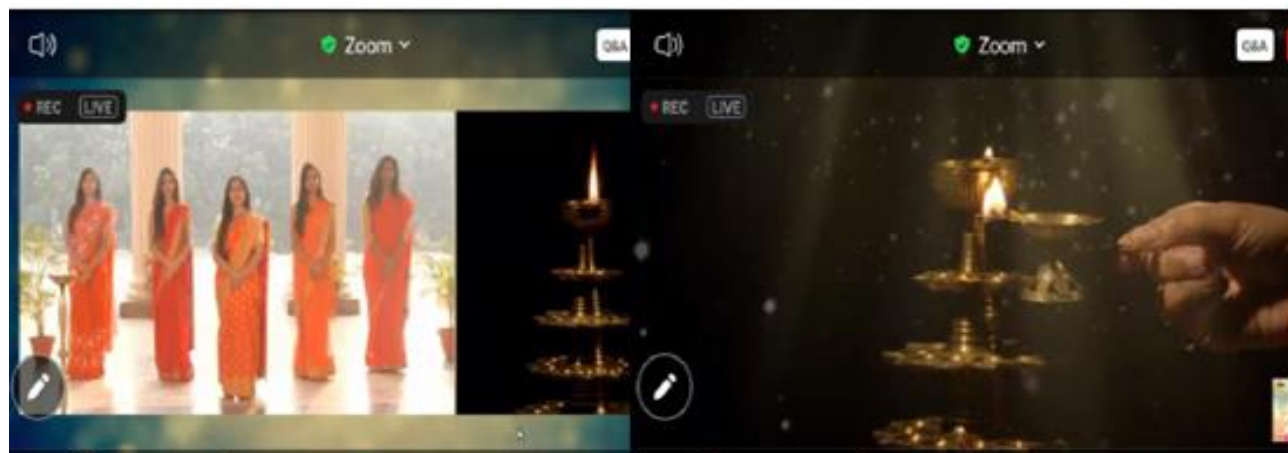
WEBINAR:

“Scientific and Technological Research for Pollution Prevention & Control” on 03rd December 2021

INAUGURAL SESSION:

The Inaugural Ceremony of the webinar on “Scientific and Technological Research for Pollution Prevention & Control” was commenced with warm welcome to all the dignitaries and participants given by Dr. Ambrina Sardar Khan, Assistant Professor, AIES.

Following this, the inaugural session started with the invocation of Goddess Saraswati by rendition of Saraswati Vandana and the lighting of the lamp of knowledge in virtual mode.

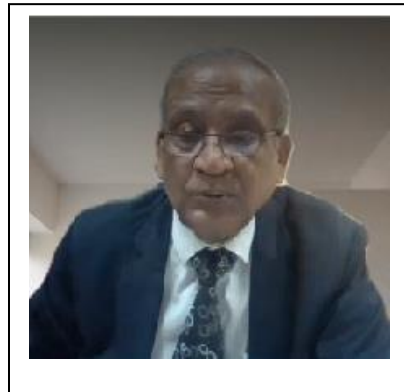


The opening remarks and warm welcome was given by Dr. Manju Rawat Ranjan, Associate Professor, Joint Coordinator, AIES, to all the dignitaries and participants for sparing their valuable time

Introduction of the theme was given by Dr. Renu Dhupper, Joint Coordinator, Associate Professor, AIES. She extended formal welcome address to all the dignitaries and participants of the webinar. With the blessings of Hon'ble Founder President Sir, motivation from Hon'ble Chancellor Sir, and guidance and support from Hon'ble Vice-Chancellor Ma'am and Mentor of Natural resources domain, AIES has organized the webinar on “Scientific and Technological Research for Pollution Prevention & Control” on 3rd December, 2021 in virtual mode.

Dr. D.K. Bandyopadhyay, Chief Advisor, FPO & Chairman, Amity Law School and Amity School of Engineering & Technology, Bijwasan :

Dr Bandyopadhyay also greeted and welcome all resource persons and participants. He said today



is the day we are going to deliver it. A type of action we need to take in reminding us in the form of National Pollution day. This is not a day that we will be celebrating but this is a day we are reminding ourself what is the damage we have done to our mother earth. Because all the time we utilize the Natural resources that the mother earth has given to us for benefit of our society and our benefit of our own consumptions. Many researchers are already engaged in finding how this pollution is interrelated / interconnected in terms of making the climate change and global

warming. The root cause of climate change is essentially the pollution whether it is water, soil or air pollution. We must be very very clear how we can reduce it.

It is efforts on the part of the Amity School of Environmental Sciences that how do we really calibrate the different dimensions and aspects of the air pollution and how to really mitigate that it is very important thing. It is our efforts that we shall make our students aware and knowledge about it and they must know what the causes of pollutions is.

A research by System of Air Quality and Weather Forecasting And Research has stated that most dominating source of PM 2.5 POLLUTION IN DELHI.

Dr. Subhadarsini Das, Environment Engineer, SPCB, Odisha

She shared her experience. She said the day is observed in the memory of those who have lost their lives in the Bhopal Gas tragedy. It should not happened but it was happened. For stopping it in future so that it should not again happen in future what we can do, what precautions we can take for stopping it.



She discussed about air pollution. What is Air pollution? Causes of Air pollution. Due to pollution many health hazard can happen. She also discussed about The Air (Prevention and Control of Pollution) Act, 1981 which regulate the air pollution matters in the country. Government is doing extra work for stop this pollution. They are searching why this pollution is

so much and what can be done.

She also said whenever we come together we can do something better whether it is Govt. or people.

Prof. Chirashree Ghosh, Professor, Dept. of Environmental Studies, University of Delhi

She appreciated for choosing the very important and relevant topic of webinar. She shared the research work she has done in pollution area. She said air pollution can be a challenge like Covid



now a days. The way how we address the Covid. Because unless and until we cannot manage air pollution it is a more disastrous for our life. She gave a presentation and discussed about Indoor air quality and urban health. She said lockdowns may raise exposure to indoor air pollution. There are missing National Indoor air quality guidelines and CPCB guidelines are only for ambient air pollution. She also talked about Impact of Indoor Air Pollution (IAP), Why Indoor Air Quality is

important (IAQ), what is Urban heat Island, how does outdoor air enter indoors, sources involved in IAQ problems.

Mr. Ram Nivas Jindal, Executive Director, Nimbua Greenfield LTD



He gave a presentation about Environmental compliance : Industrial Perspective. He discussed about environment protection; from Indian Constitution Perspective. He said that as far as modern constitution concerned the state's responsibility laid down under Article 48-A of our constitution. He talked about various related Acts/Laws like the Indian Penal Code, 1860, the Indian Forest Act, 1927 etc. There are different kind of pollution as Air pollution, water, soil and noise pollution. He

discussed about what are the assessment tools for the quality of ambient air monitoring network. These assessment tools are used by Govt. and NGOs. Implementation tool.

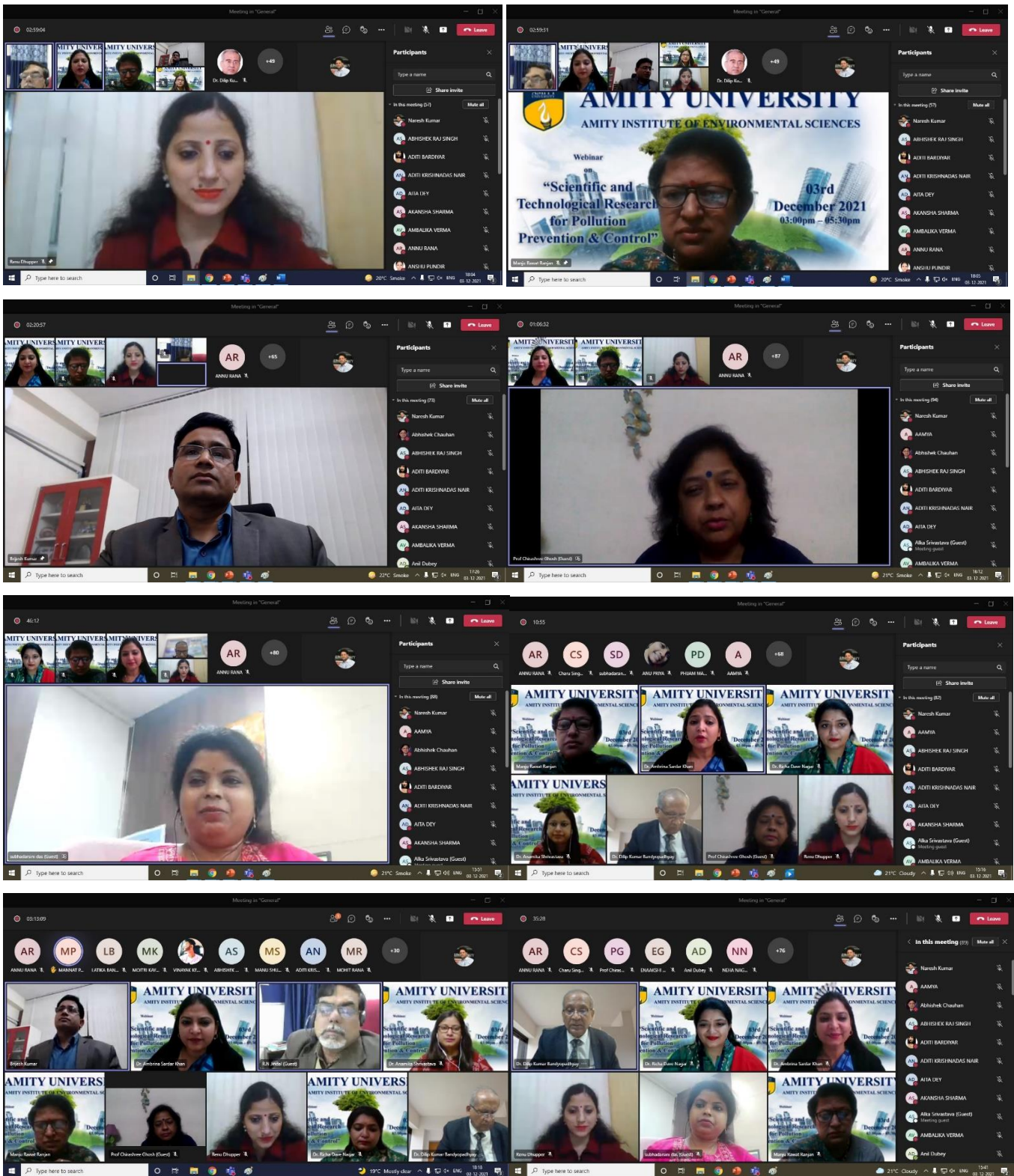
Prof. Brijesh Yadav, Professor, Department of Hydrology, IIT Roorkee

He gave a presentation on Engineered Bioremediation of Polluted /Waste water. National pollution control day, its importance and challenges. We need our environment for survival, we need our



livelihood for economy. Strong linkages with our culture and religions. How we can control this pollution? The first option is prevention and second is remediation. He discussed about soil -water pollutants, engineered bioremediation, impact of temperature fluctuation, Assessment of Engineered bioremediation for a field site, site characterization: Mirzapur case study, enhanced bioremediation in column setup integrated with wetlands, Arsenic affected areas (Natural and Human interventions) and

existing techniques.



The webinar ended with vote of thanks to all by Dr. Renu Dhupper, Joint Coordinator, AIES