

## 55<sup>th</sup> EARTH DAY 2025:

**Our Power Our Planet: Unite for a Greener and Sustainable Planet**

**Science meets Sanskriti for Sustainability:  
*Save Environment, Save Earth***

### Report on Science meets Sanskriti for Sustainability

22<sup>nd</sup> April 2025

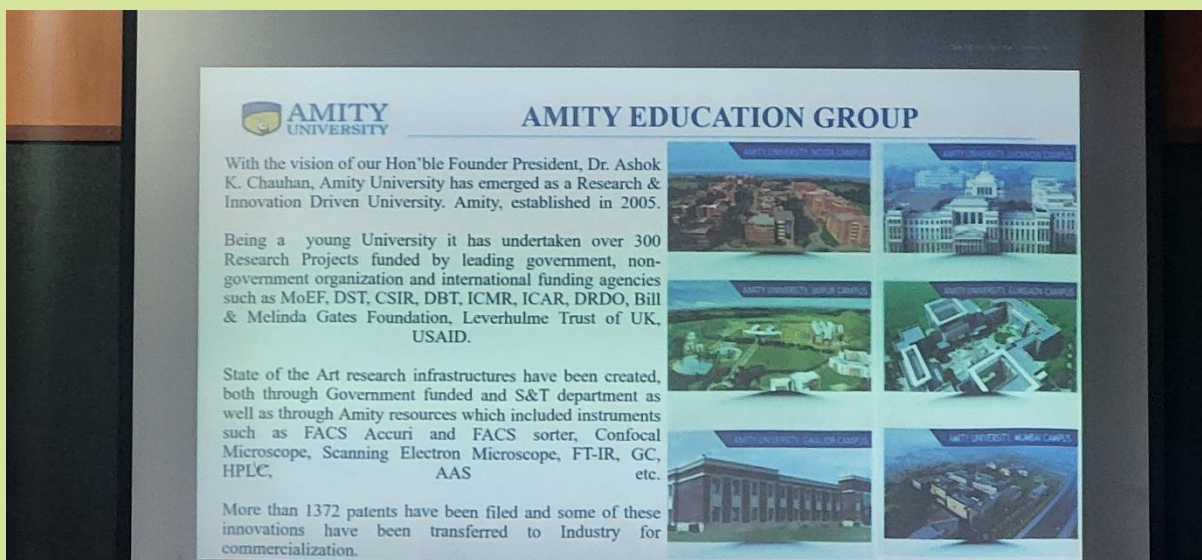
The conference on Science meets Sanskriti for Sustainability started with the introduction of all dignitaries and lighting of lamp along with recitation of Saraswati Vandana.



#### 1. Prof Tanu Jindal

Prof. Tanu Jindal welcomed all the esteemed speakers. Prof Tanu talked about sustainability and how we can achieve it. The integration of culture meets Sanskrit, which has scientific evidence. Prof. talked about her sustainable projects and patents.

Amity was established as a foundation in 2008 with the vision to promote Science and Technology. Amity is in the process of exponential growth in the field of Education and Research. She complimented the Honourable Founder President and discussed the important Cluster on Global Warming and Climate Change. Bioreactors can be used to help clean Delhi's drains and can be employed for wastewater treatment. Prof. Jindal presented many MOUs and talked about how creating environmental awareness among youth is important.



## 2. Dr. Jitendra Kumar

Ex-Director General of Forests & Special Secretary, MoEF&CC, New Delhi



Science meets culture. Dr. Kumar talked about the plantation and how science meets culture to create a better environment. Balancing economic, social, and environmental objectives, often referred to as sustainable development, involves finding a harmony between these three pillars. He talked about "Vasudhaiva Kutumbakam" concept, emotional value, aesthetic value, and sacred value. Dr. Kumar shared insights on water management, rain harvesting systems that have been achieved in an advanced stage in South India because of a well-managed system and maintenance of the Groundwater table. There should be responsible consumption practices so that there is no wastage. Save Energy and save the environment practices are to be followed.



### 3. Mr. KJ Alphons

**Former Member of Parliament, Rajya Sabha and Minister of State (Independent Charge) Tourism, Govt. of India**

Sustainable lifestyle on planet Earth. He talked about Yamuna, which is the most polluted river, and the government is planning to run a cruise on the polluted river. Citizens and the Government should first clean the river before running a cruise. We are polluting the river. In the world, the 10 most polluting cities are in India, and we are not cleaning any of them. We need to practice sustainable methods, rain harvesting system. Only 10% of domain knowledge, but 90% attitude of students will make them successful.



#### 4. Dr. Laxmi Kumar

##### VIJANANA BHARATI (VIBHA)

Dr. Laxmi Kumar presented Ancient Wisdom and Sustainable Climate Change Management. WMO confirms 2024 as the warmest year on record at about 1.55 degrees Celsius above the pre-industrial level. Dr. Kumar talked about the radiative equilibrium of the planet. The sun is the external source of radiation. The visible radiation is depicted in the form of seven horses (seven colours- VIBGYOR). The word bhur refers to bhur madala that is quoted in the Rig Veda (billion years ago).



## 5. Mr. Punit Sood

Co-Convener, Delhi and Member all India team, Paryavaran Sanrakshan Gatividhi.  
Founder member “Panchamritam Eco Solutions”

My Environment, my responsibility. Mr Sood told about "पवन गुरु, पानी पिता, माता धरती महत" concept and other sustainable approaches. We are not the owners, we are the custodians, emphasizes a different approach to ownership and responsibility. We should practice reuse and recycling methods. Water footprint is a measure of the total volume of freshwater used, directly and indirectly, to produce a specific product or service. There should be a holistic approach to save water.



## 6. Mr. Himanshu Shekhar

Senior Editor, NDTV India



A Green and Sustainable Mahakumbh-2025. Mr. Shekhar talked about Prayagraj, which has a population of 18 lac. The Mahakumbh has a message on sustainability, climate change, and contribution to a clean city. The presentation on the emerging role of Media in DRR and Disaster communication has been given. The temperature has been increased to 50 degrees Celsius, recorded in Delhi. COP29 declaration on water for climate action. Glaciers have suffered the largest mass loss in 50 years. A collective risk assessment plan to manage the risk should be prepared for a proactive towards disaster management.



## **7. Mr Vishnu Lamba**

### **Treeman of India**

Sustainable Environmental Conservation through Forestation Mission 2047. The Treeman of India, Mr Vishnu Lamba, has resolved to dedicate 5 crore trees to humanity by planting them in India by the year 2047, when 100 years of independence are completed! Through this campaign, by going to various states of India and connecting with one crore youth from various educational institutions, etc., bringing them closer to social concerns such as nature and culture conservation, and preparing them to play their important role by the year 2047.



## 8. Mr Mohit Relan

**Founder & Director, Sakshambhoomi Foundation**

**Advisor, NMCG-Ministry of Jal Shakti**

Sustainable water conservation practices. Mr Relan shared a small video of a Glimpse of initiatives for water conservation. Environmental pollution is the most serious issue that we face at present. Jal chaupal and awareness are conducted, waterbodies rejuvenation and clean-up practices, healthcare support, educational support, afforestation, and environment awareness are some of the practices followed. We should adopt tree plantation and the Yamuna cleanup. Create a cluster forest in every district that will absorb more pollution and provide good AQI. He elucidated the process flow for waterbody rejuvenation, which included steps like pond identification, proposal to sponsor, clean up, etc. Next, Mohit talked about various initiatives taken by the NGO, while also sharing some examples of the work done, such as windmill development in Mohikalan Pond, a constructed wetland, cleaning of Chauganpur Pond. One of the major initiatives was in Nainikheri village. Mohit discussed how their team has worked to make it an Eco-village.



## **9. Dr. Anil Mehta**

**Convener, Citizen Science Lab**

**Vidya Bhawan, Udaipur**

Dr. Mehta talked about water for peace: peace for water. As Citizen Water Engineer, he was instrumental in the Bio Control of Water Hyacinth; Establishment of Lake Development Authority; Preparation of PFR and eventually release of 125 crore National Lake Conservation Project for the conservation of Udaipur lakes. The water has life, and the world of today must move beyond the confines of hydrology, hydraulics, and hydro-materiality. Dr Mehta discovered impactful environmental initiatives in water conservation.



## **10. Dr Shikha Anand**

**Senior Program Associate – Energy WRI India**



Dr. Anand presented the integration of data and analytics for sustainable development. There are 17 SDGs and 169 SDG targets. Globally, 685 million people lacked access to electricity in 2022. EAE (Energy Access Explorer) is an online platform for GIS and Remote sensing. Capabilities of EAE include a data repository, figure out track changes, and perform meta-analyses. She supports the development of the Energy Access Explorer by strengthening data-driven integrated energy planning across Indian geographies. She focused on mapping the hotspots of provisioning ecosystem services in a Himalayan watershed using various geospatial approaches.



#### 11. Dr. Antony Gnanamuthu

**Expert Appraisal Committee, Ministry of Environment, Forest, and Climate Change, Government of INDIA, New Delhi, INDIA.**

Traditional practices in sustainable disaster risk reduction and management. Dr Antony shared a video of the world is watching, COP 29. In today's global struggle against climate change. A balance between all elements was essential for the survival of life on Earth.

#### 12. Dr. Tanmoy Mukherjee

**Clean Air Asia**

Dr. Mukherjee shared insights on Sustainable air quality management, including cultural practices. Urban air quality refers to the condition or state of the air in cities and metropolitan area, particularly in relation to the levels of pollutants present in the atmosphere. Vehicular emission, air pollution, industrial emissions, and other activities that disturb environment are some of the challenges. He talked about an air quality forecasting system named CALIOPE (air quality model). Asia and the Pacific is the

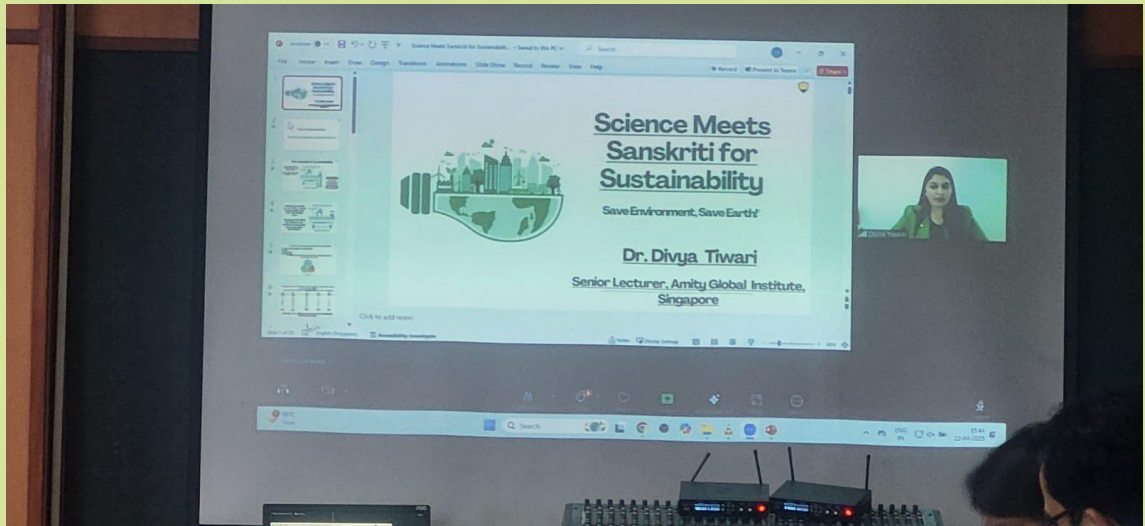
planet's hotspot for plastic pollution. Of the 10 rivers that transport 88%–95% of the world's plastic into the sea, eight are in Asia.



### 13. Dr. Divya Tiwari

**Senior Lecturer, Amity Global Institute, Singapore**

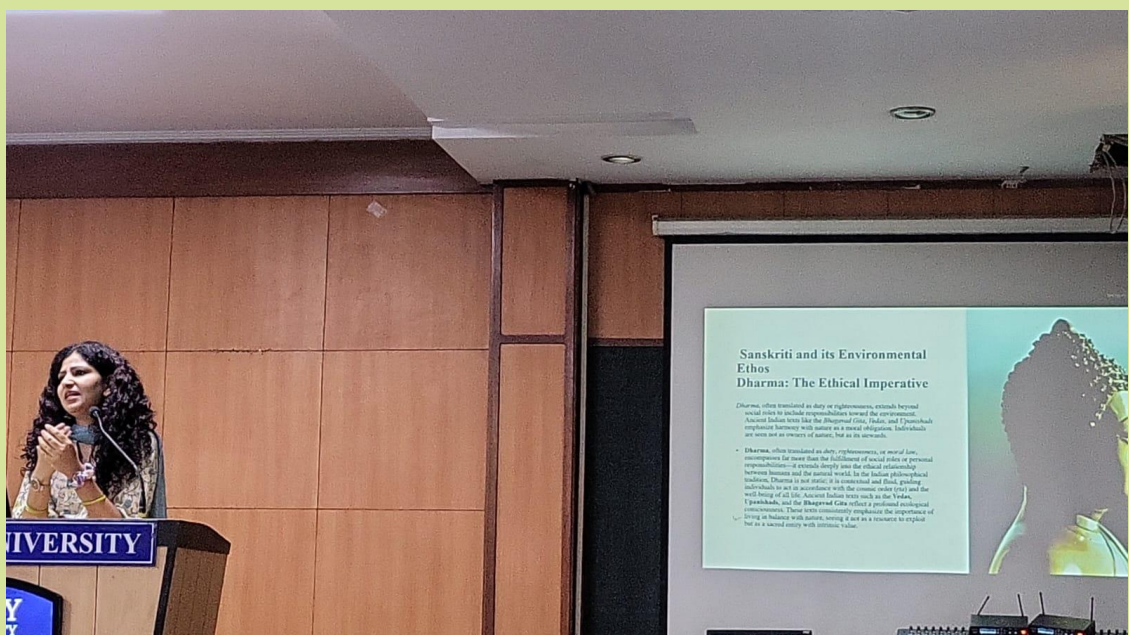
Dr. Tiwari discussed how science meets Sanskriti for sustainability. The concept of sustainability is explained with the example of the concept of the bathtub, which meets human needs and restricts resources. If water in the tub is a “limited resource” we have on Earth. The resources should be secured for future generations. There are 3 pillars of sustainability: Social, Economic, and Environment. She shared insights on Singapore city, where plants are planted in the building to cool the environment. For instance, many buildings in Singapore incorporate plants as part of their design and construction, aiming to enhance the city's environment and improve air quality. This is done through green walls, vertical gardens, and rooftop gardens, which help cool the city, absorb pollutants, and create a more pleasant urban environment.



#### 14. Dr. Ekta Bhati

**Assistant Professor, Shyama Prasad Mukherji college for women, Delhi University**

Dr. Bhati shared Integrating Sanskriti with Science for a Sustainable Future. The pursuit of sustainability in the modern era often relies heavily on technological and policy-driven solutions. Dharma is the ethical imperative and is usually translated as right, which justifies itself. Dr. Bhati talked about the concept of Panchamahabhuta, which are the five interconnected elements and the Points of convergence. These elements are Akasha (Space/Ether), Vayu (Air), Agni (Fire), Jala (Water), and Prithvi (Earth). They are believed to be the building blocks of all things, both living and non-living.





### 15. Prof Shakeel A. Khan

**Principal Scientist**

**ICAR- Indian Agricultural Research Institute, New Delhi, India**

Dr. Khan shared waste valorization for CBG and ancient wisdom for sustainable environment. The Ozone Treaty is the first truly global treaty that offers protection to every single human being and is the most successful one. GOBAR Dhan, SATAT scheme, and FCO 2023 are some of the schemes for the rejuvenation of the environment.



### 16. Dr. Anil Kumar

**Deputy Pro Vice Chancellor, Amity University Lucknow Campus**

Science Meets Sanskriti for sustainability: Save Environment Save Earth. He talked about the Key Principles of the Vedic Perspective. Vedas provide a comprehensive elucidation on the correlation between mankind and the natural realm. Modern Scientific thought supporting Earth as a living being has been addressed. Water Management, climate change mitigation, and environmental conservation have been addressed.



All students and faculty were gifted with plant and sustainable kit. Prizes for the best poster were given to the students. The event ended with thanks to Hon'ble Founder President Dr. Ashok K. Chauhan, Chancellor Dr. Atul Chauhan, Vice Chancellor, Dignitaries, Students, AIETSM Faculty and Staff, Sponsors, Media and Administration for constant support.















































