



REIMAGINE
RECREATE
RESTORE
#GenerationRestoration



WORLD
ENVIRONMENT
DAY

UN
environment
programme

50
1972-2022

WORLD

ENVIRONMENT DAY

ENVIS INDIA REPORT 2021



ECONOMIC DIVISION,
Ministry of Environment, Forest and Climate Change,
(Government of India)

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Preface

The World Environment Day celebrated every year in 5th of June and it is the biggest annual event in the world coined through United Nations Environment Programme (UNEP) at the Stockholm Conference. It is a day that reminds everyone on the planet to get involved in environment friendly activities for a better environment with clean air, water, food, and for our healthy life. Environment is just like our neighbourhood, its surrounding conditions influence us and modify growth and development. This year World Environment Day- 2021 theme is '**Ecosystem Restoration**' keeping in focus on '**Reimagine. Recreate. Restore**'. It is celebrated across the globe to respect and acknowledge everything that the environment has given us and to take the pledge that we will protect it. The United Nations decade 2021-2030 for ecosystem restoration was launched from this day.

Ecosystem restoration is defined as “a process of reversing the degradation of ecosystems, such as landscapes, lakes and oceans to regain their ecological functionality; in other words, to improve the productivity and capacity of ecosystems to meet the needs of society. This can be done by allowing the natural regeneration of overexploited ecosystems or by planting trees and other plants” (UNEP, 2019). Restoration ecology is the scientific study supporting the practice of ecological restoration, which is the practice of renewing and restoring degraded, damaged, or destroyed ecosystems and habitats in the environment by active human intervention and action. Ecosystem restoration can take many forms: Plantation, develop greeneries in cities, rewilding gardens, cleaning up rivers and coasts etc. Healthier ecosystems, with richer biodiversity, yield greater benefits such as more fertile soils, increase yields of timber and fish, and larger stores of greenhouse gases leads to peace inhabiting with nature.

Natural ecosystems provide ecosystem services in the form of resources such as food, fuel, and timber; the purification of air and water; the detoxification and decomposition of wastes; the regulation of climate; the regeneration of soil fertility; and the pollination of crops. These ecosystem processes have been estimated to be worth trillions of dollars annually. Habitat loss is the leading cause of both species extinctions and ecosystem service decline. The conservation of currently viable habitat and the restoration of degraded habitat are the two important methods have been identified to slow the rate of species extinction and ecosystem service decline.

It is the process of repairing sites in nature whose biological communities and ecosystems have been degraded or destroyed. In many ecosystems, humans have altered local native populations of plants and animals, introduced invasive species, converted natural communities to extractive use (such as agriculture or mining), fouled waters, and degraded soil resources. Ecological restoration focuses on repairing the damage human activities have caused to natural ecosystems and seeks to return them to an earlier state or to another state that is closely related to one unaltered by human activities. It is distinguished from the practice of conservation, which is primarily concerned with preventing further losses to ecosystems.

Ecosystems and their biodiversity underpin economic growth, sustainable development and human wellbeing. Yet the loss of biodiversity continues, resulting in serious reductions in ecosystem goods and services, negatively impacting economic prosperity and environmental sustainability. Overexploitation of natural resources throughout centuries has widely disrupted the equilibrium within ecological systems, driving changes of ecosystems worldwide. Earth's ecosystems are degrading as a result of damage, unsustainable development and a failure to invest and reinvest in their productivity, health and sustainability. Ecosystem loss is depriving the world of carbon sinks, like forests and peat lands, at a time humanity can least afford it. The well-being of the world population in the coming decades will in large part depend on conservation and restoration of ecosystems to maintain and enhance biodiversity and ecosystem services, thereby contributing to sustainable development while reducing environment-related risks. Effective restoration requires an explicit goal or policy, preferably an unambiguous one that is articulated, accepted, and codified.

The global outbreak of the deadly coronavirus has affected human lives and daily activities, but it has improved the air quality and reduced water pollution. With most of the cities under lockdown, there has been a significant reduction in carbon emissions which has restored the ecological system. The emergence of COVID-19 has also shown just how disastrous the consequences of ecosystem loss. By shrinking the area of natural habitat for animals, we have created ideal conditions for pathogens - including coronaviruses - to spread. Today, it is estimated that, globally, millions of illness and deaths occur due to corona viruses. COVID-19 provides us an opportunity to both revisit our relationship with nature and rebuild a more environmentally responsible world.

Under the aegis Pan-India Environmental Information System (ENVIS), MoEF& CC, Govt. of India the ENVIS Resource Partners (RPs) and Hubs celebrated this World Environmental Day 2021 day by organizing several activities which recognized the importance of this year's theme- **'Ecosystem Restoration'** in focus with **Reimagine. Recreate. Restore.** The various activities like, Webinar, Competition, Social media,

print Publications etc. performed by the Pan-India ENVIS network on the World Environmental Day presented below with the following objectives.

- To encourage the environmental protection and Eco-restoration among different stakeholders
- To encourage people to make their nearby surroundings safe and clean to enjoy safer, cleaner and more prosperous future.
- To bring about attitudinal changes in people with respect to environmental conservation and Ecosystem Restoration.
- To reduce environmental pollution, degradation and lead to cleaner technology.

To provide environmental information and value added information products for researchers, students, scientists and common peoples.

Summary

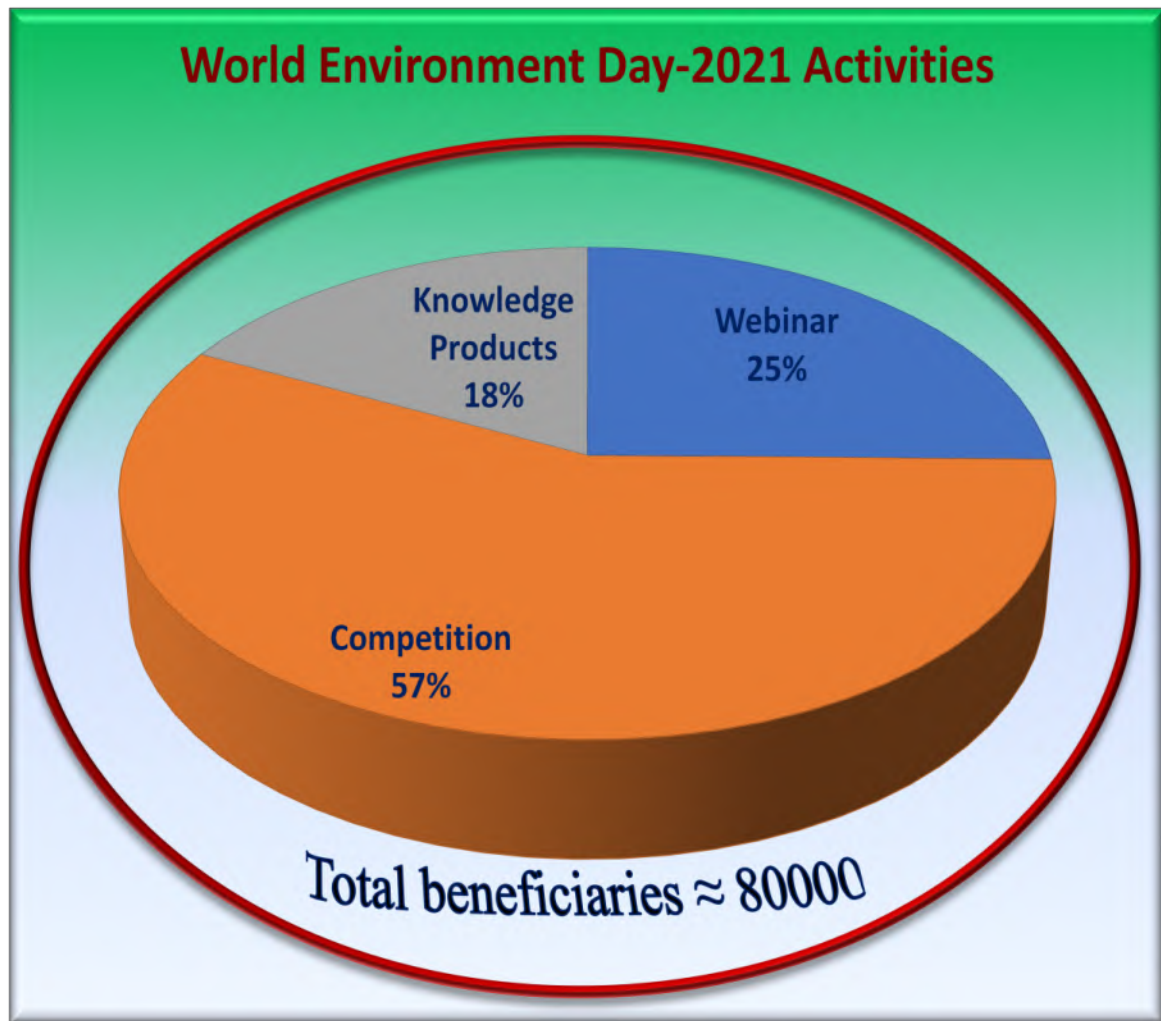
Environment is the key to sustenance of life and development, covering our entire planet. Information pertaining to these environmental parameters is vital for the formulation of any environmental management policies and decision making process, which in turn is vital to maintain healthy and sustainable life in the earth. At the same time, proper guidance to the citizens and organizations responsible for influencing the future situations is a paramount importance as well. Since environment is a broad-ranging, multi-disciplinary subject, a comprehensive information system on environment would necessarily involve effective participation of concerned institutions/ organizations in the country that are actively engaged in work relating to different subject areas of environment.

The United Nation Environment Programme (UNEP) every year in 5th of June organizes events for World Environment Day, which encourages worldwide awareness and action for the protection of the environment. This year World Environment Day- 2021 celebrated worldwide on the theme '**Ecosystem Restoration**' focused on '**Reimagine. Recreate. Restore**' to fulfill the United Nations decade 2021-2030 for ecosystem restoration. All ENVIS Hubs and Resource Partners under the umbrella of ENVIS India network, MoEF& CC, Govt. of India performed various activities at their level to observe the World Environmental Day-2021 on the theme 'Ecosystem Restoration' in the Covid pandemic situation.

It celebrates in many ways like web seminars, online competitions, painting contests, drawing contests, poster contests, essay contests, poetry contests, slogan contests, debates, different outreach activities, knowledge products/ e-publication, posters, pamphlets, booklets, newsletters, social media activities (videos/ posters/ e-surveys) and tree plantation programmes. These programmes were well circulated through print media, social media platforms of Facebook, Twitter, Youtube, WhatsApp, Instagram and were also through ENVIS websites. Apart from these the ENVIS HUBs and RPs registered their World Environmental Day-2021 virtual events on the global World Environment day portal <https://www.worldenvironmentday.global> to mark Global celebration of World Environment Day.

The ENVIS India family through the ENVIS Hubs and RPs on the occasion of World Environmental Day-2021 had organized more than **104** online competitions, **46** numbers webinars related to the theme Ecorestoration and published **32** numbers of knowledge products. All total about **80,000** beneficiaries got directly benefited

with record from the World Environment Day-2021 with many more indirect beneficiaries. The various stakeholders like, students, researchers, academicians, business and industry personals were benefited from this year World Environment Day programmes. The school and college students are mostly involved in different activities engaging their creative minds in those programmes and benefited for further development during the pandemic restriction period.



ENVIS

Institutional Resource Partners

(Subject Specific)

1. National Institute of Occupational Health (NIOH)

A) The NIOH-ENVIS RP released Infographic Poster on Occupational Health & Safety Alert Series, focuses on the theme: Ecosystem Restoration. Digital dissemination of the same was done across the country and was circulated in social media (Fig. 1).

B) A Poster was released on this occasion (Fig. 2).

C) To engage students from schools and colleges and general public



Figure 2

together) (Fig. 5), Photography Competition (Theme: Forest/Desert/Mountains/Wetland/Marine/Rebirth of Spring) (Fig. 6), Video Story Competition, and Essay Writing Competition (Theme: Ecosystem Restoration)(Fig. 7) for the Indian citizens. Participation is open from June 01-15, 2021, wherein more than 200 entries were registered till June 07, 2021.



NIOHENVIS
RP,

Figure 1

conducted various Online events(Fig. 3), such as Poster Design Competition(Theme: Ecosystem

Restoration) (Fig. 4), Plant and Adopt

Tree competition (#EnvironmentDay

5),Photography Competition

(Theme:Forest/Desert/Mountains/Wetland/Marine/Rebirth of Spring) (Fig. 6),

Video Story Competition, and Essay Writing Competition (Theme: Ecosystem

Restoration)(Fig. 7) for the Indian citizens. Participation is open from June 01-

15, 2021, wherein more than 200 entries were registered till June 07, 2021.



Figure 3

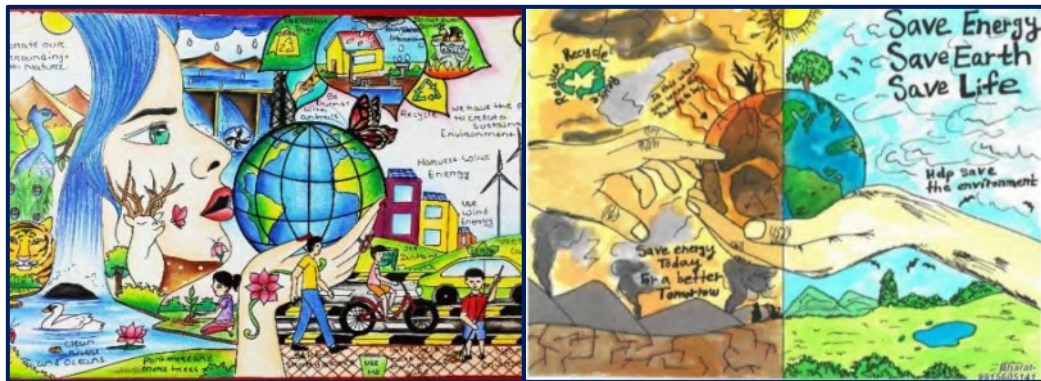


Fig. 4



Fig. 5



Fig. 6

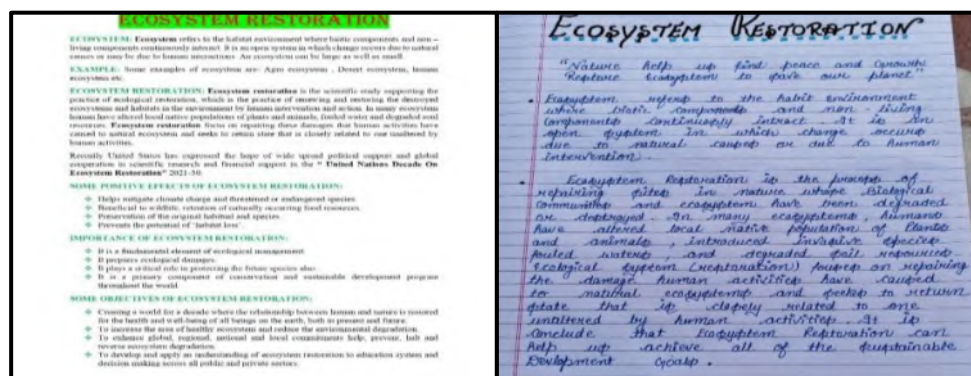


Fig. 7

2. Centre for Ecological Sciences - Indian Institute of Science (IISc)

- A) The ENVIS RP at IISc conducted poster and essay writing competitions across various schools in Bangalore for classes VIII, IX, and X. The themes for the poster presentation was: **‘Innovative ideas for Ecosystem Restoration’** or **‘Ecosystem Condition and Observations’** and for essay writing: **‘Ecosystem Restoration’**. Around 60 students participated in the essay writing and 60 students in the poster presentation, from 14 different schools in Bangalore.
- B) A series of Webinars on the following topics were conducted on this occasion:
- Topic: Ecosystem Restoration for a healthy Planet with sustainable Development**
Speaker: T V Ramachandra, Coordinator, ENVIS [RP], IISc
Number of participants: 85
 - Topic: Understanding Ecology and Environment of Bangalore**
Number of participants: 90
This webinar was also streamed parallelly on Face Book where around 850 students from Seshadripuram College of Science and Management had attended.
 - Topic: Western Ghats-Ecosystem Restoration**
Number of participants: 345 (faculty and students of Reva Institute of Technology)
 - Topic: Ecology and Environment of Bangalore**
Conducted jointly with the IEEE-IISc Student Branch and IEEE Women in Engineering (WiE) AG Bangalore Section.
- C) A Technical Report titled: **Carbon Accounting in Karnataka**, authored by T V Ramachandra and Bharath Settur, was released on this occasion.



Glimpses of the Poster Competition

3. Centre of Advanced Study in Marine Biology (CASMB)

The ENVIS RP, CAS in Marine Biology (CASMB) organized a Webinar on June 05, 2021. Prof Dr. M Srinivasan, Dean and Director of the Centre, ENVIS Co-ordinator inaugurated the programme by delivering a special address describing the importance of the 'World Environment Day'.

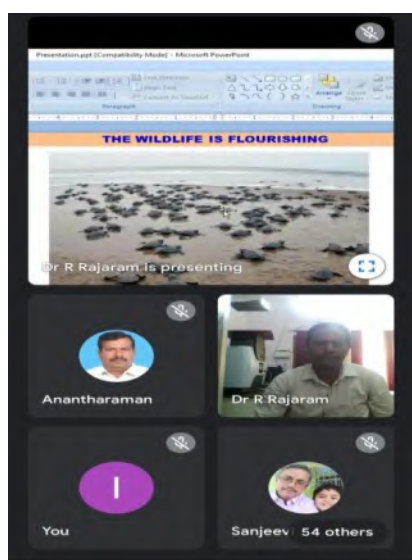
Prof Dr. P. Anantharaman, CAS in Marine Biology welcomed the Chief Guest. Dr. R. Rajarman, Associate professor, Department of Marine Science, Bharathidasan University, Tiruchirappalli made special address. He highlighted the role of COVID-19 pandemic in the environment and provided with measures to overcome the situation.



Chief Guest, Dr R Rajarman, Associate Professor, Bharathidasan University

T. Ramanathanand, Dr. S. Bragadeeswaran, Dr. K. Sivakumar, Dr. A. Gopalakrishnan, Dr. M. Arumugam, Dr. S. Saravanan (Associate Professor), and Dr. P. Sureshkumar (Assistant Professor) participated along with research scholars and students of CASMB.

Dr. T. Lenin, Programme Officer, ENVIS RP proposed the vote of thanks. Total 67 participants were benefitted from this event.



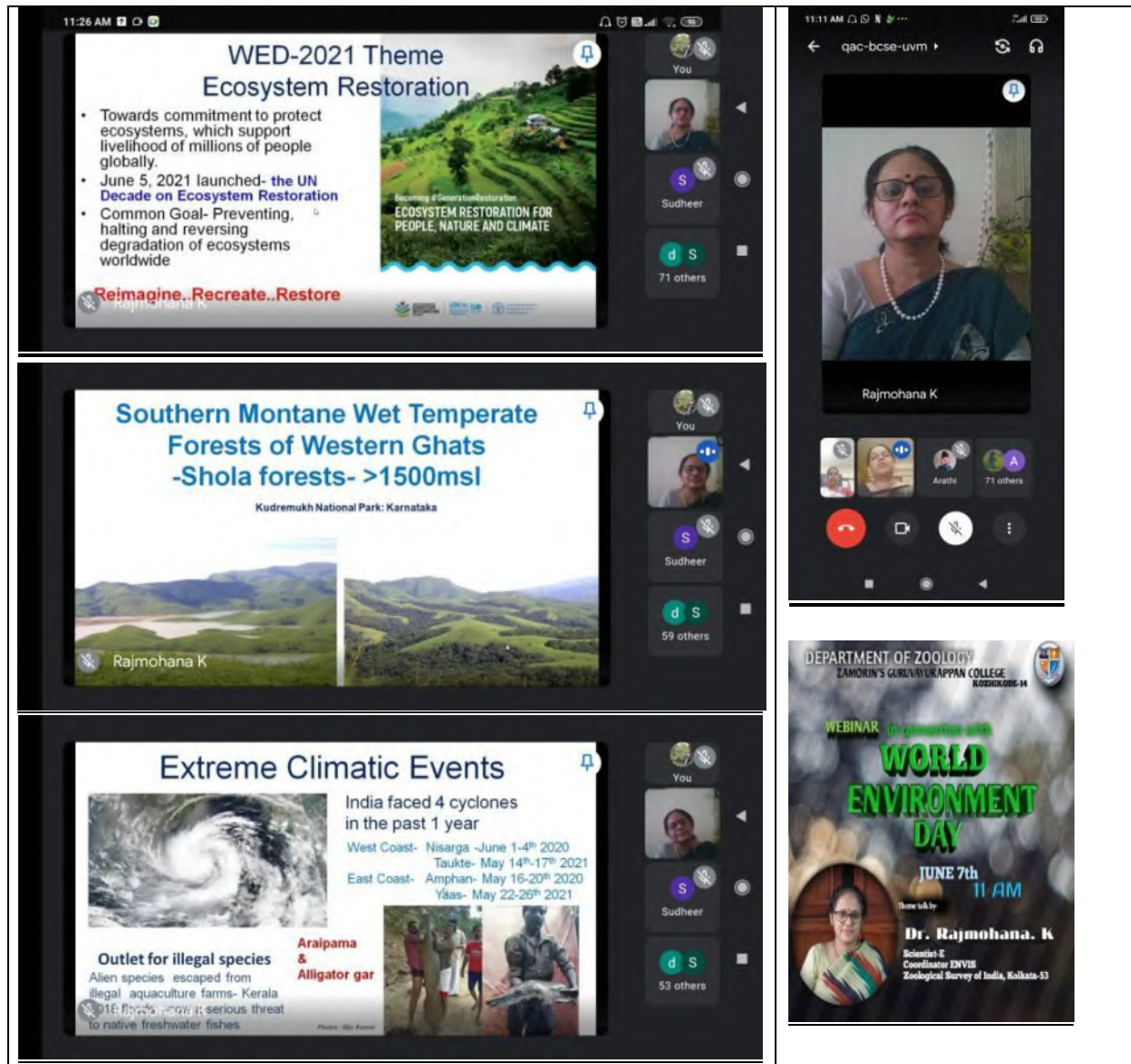
4. Zoological Survey of India (ZSI)

Dr. Rajmohana K, Scientist E, and Coordinator ENVIS, ZSI, inaugurated the World Environment Day 2021 celebrations of the Dept of Zoology, Zamorin's Guruvayurappan College, Calicut Kerala. On the forenoon of June 07, 2021 during the webinar, she delivered a **talk** on Ecorestoration, titled **Our Living Earth: Some Facts and Figures**. It highlighted the impact of man on earth, and explained the basics and also the concept of restoration ecology and conservation science, quoting examples of ecorestoration efforts in India with regard to Shola forest, Mangrove and Coral ecosystems. After explaining about the extreme climatic events and their effects on flora and fauna, she concluded the lecture by elaborating the extinction threats faced by the endemic species due to ecosystem degradation and habitat fragmentation. Total 75 participants, including students, researchers and faculties attended.

Some feedback from participants:

1. Our living world - some facts and figures" was entirely an interesting webinar related to environmental day. As a scientist, entomologist and zoologist, Dr. Rajmohana Mam is ideal to talk about the past, present and future conditions of environment. An informative presentation including pictures and graphical representation showed how deeply you were concentrating on each part of the given content. I liked how you were trying to convey and make us aware of the environment around us. A lot of new information was shared in this webinar. Even in this unstable ecological condition of earth, you showed an optimistic approach that earth will be more greener and safer soon. Thank you Rajmohana Mam and department teachers for arranging this wonderful webinar for us.
2. The webinar conducted as a part of world environment Day by the department of zoology was really interesting. The most significant facts about our environment helped us to recognise our role in this present society. The presentation by the most well known scientist, zoologist more over an entomologist Dr. Rajmohanamaam was helpful for each of us. The diagrammatic representation, statistical reports of endemic species and endangered species revealed the actual facts of our environment. The role of young generation to preserve the flora and fauna was clearly depicted in the presentation. Dr. Rajmohanamaam clearly explained about the flood occurred in Nedumbasherry Airport and the correct reasons behind it. As a part of this webinar we all became more aware about the changes occurred in our mother earth. As a representative of department of zoology I sincerely thank Dr. Rajmohanamaam for an informative session and the entire teachers behind this successful webinar "Our living world-some facts and figures"

3. The webinar 'Our Living Earth - some facts and Figures ' was a new world with lots of information for me. Our chief speaker Dr Rajmohana, scientist at Zoological Survey of India created a wonderful presentation to commemorate and make us aware of environmental day. I loved her method of speaking through pictures, small writings and graphical representation. Thanking Rajmohana mam and our department for providing this great session.



Glimpses from the webinar

5. Centre for Mining Environment (CME) IIT-Indian School of Mines

The IIT (ISM) ENVISCenter at the Department of Environmental Science & Engineering, IIT (ISM), Dhanbad organized an online competition on this occasion. Students from classes Nursery to Std. XII, graduates, post-graduates, research scholars and even working professionals from various school/colleges/institutions/organizations participated in these events which included: **Drawing Competition, Essay Writing Competition, Poster / Infographics Design Competition, Photography with Caption Competition, Poem/Song Competition and Short Informative Video Making Competition** and were related to the theme: **Ecosystem Restoration**(Fig. 1). The online events were well received by the participants, which helped in skilful and creative learning and aided towards the protection of the environment. The Centre received 376 entries under all the categories from all over India and a single entry from Bangladesh. The event and category wise details of the participants are mentioned below:

A) Drawing Competition (Fig. 2)

Category	Participants	Theme	No. of Participants Participated
Category - I	Nursery to Standard-II	Your surrounding	43
Category - II	Standard-III to Standard-V	Save Plants	41
Category - III	Standard-VI to Standard-VIII	Animals Our Best Friend	30
Category - IV	Standard-IX to Standard-XII	Our Ecosystem	56

B) Essay Writing (Fig. 3)

Category	Participants	Theme	No. of Participants Participated
Category - I	Standard-V to Standard-VIII	Impact of Covid-19 pandemic on Ecosystem	20
Category - II	Standard-IX to Standard-XII		5

C) Poster / Infographics(Fig. 4)

Category	Participants	Theme	No. of Participants Participated
Category - I	B. Sc, M. Sc, B. Tech, M. Tech and Ph. D Research Scholars	Ecosystem Restoration	42

D) Photography(Fig. 5)

Category	Participants	Theme	No. of Participants Participated
Category - I	All	Part of Ecosystem	69

E) Poem/ Song (Fig. 6)

Category	Participants	Theme	No. of Participants Participated
Category - I	All	Nature	46

F) Short Informative Videos

Category	Participants	Theme	No. of Participants Participated
Category - I	All	Approach toward Ecosystem Restoration	24

G) A Webinar on the theme: Ecosystem Restoration was conducted on June 05, 2021 (Fig. 7). The webinar focused on Reimagine-Recreate-Restore our ecosystems and aid the undamaged resources. Prof Anshumali, Head of Department of Environmental Science & Engineering, IIT(ISM) Dhanbad and Coordinator, IIT (ISM) ENVISCenter welcomed all the dignitaries and participants. On behalf of the Chief Guest (Professor Rajiv Shekhar, Director, IIT(ISM) Dhanbad), the Guest of Honour, Prof Salivahan, Dean (R&D), IIT (ISM) Dhanbad delivered a wonderful remark regarding the celebration of World Environment Day all the year round. The key Resource Person for the webinar was Dr A K Malhotra, Former PCCF& Head, Forest Force, Government of Jharkhand; Former Joint Secretary, Ministry of Water Resources; Former Additional Secretary, Ministry of Agriculture, Govt. of India, and at present Member, EACs: Non-Coal Mining and River Valley & Hydroelectric Projects. The expertise and experiences of Dr A K Malhotra were recited by Prof Sheeja Jagadevan, ESE/IIT (ISM) Dhanbad. Dr Malhotra delivered a talk on **Ecosystem Restoration** where he emphasized the restoration of linkage between solar radiation and producers (vegetation) to maintain the stability of ecosystem structure and function. Dr Malhotra highlighted the impacts of anthropogenic activities, especially land use and land cover change, effluent discharge and air pollution on the terrestrial and aquatic ecosystems, agriculture, livelihood practices, and posing threat to food and water security for ever increasing human population. He also asked the participants to promise not to misuse the natural resource availability so that the concept to restore-recreate and reimagine our ecosystem can be preserved for the future generation. At the end a Q & A session was organized where participants put forward their queries followed by a vote of thanks by Prof Vipin Kumar, Co-coordinator, IIT (ISM) ENVIS Centre. Around 200 participants took part in the webinar which included students, research scholars, teachers, faculty members, scientist and working professionals from various institutes and organizations. At the end of the webinar, e-certificates were distributed among the participants.

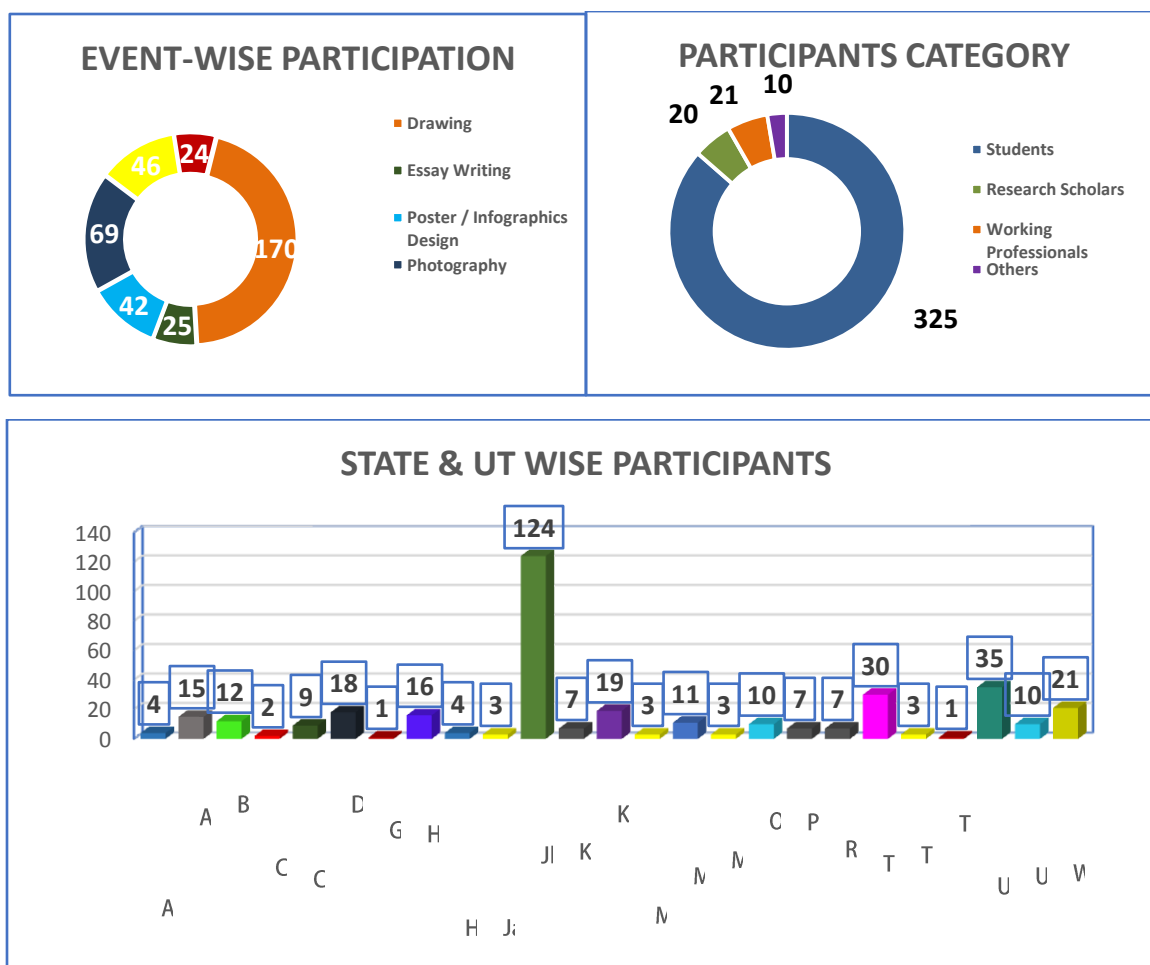


Fig. 1



Fig. 2

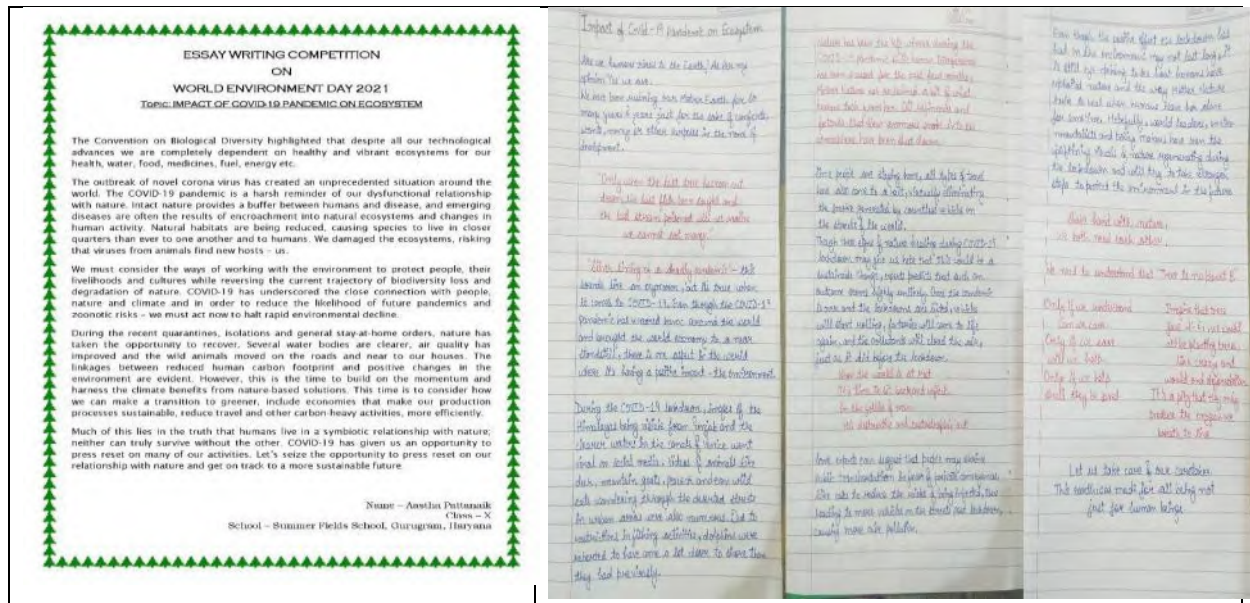


Fig. 3

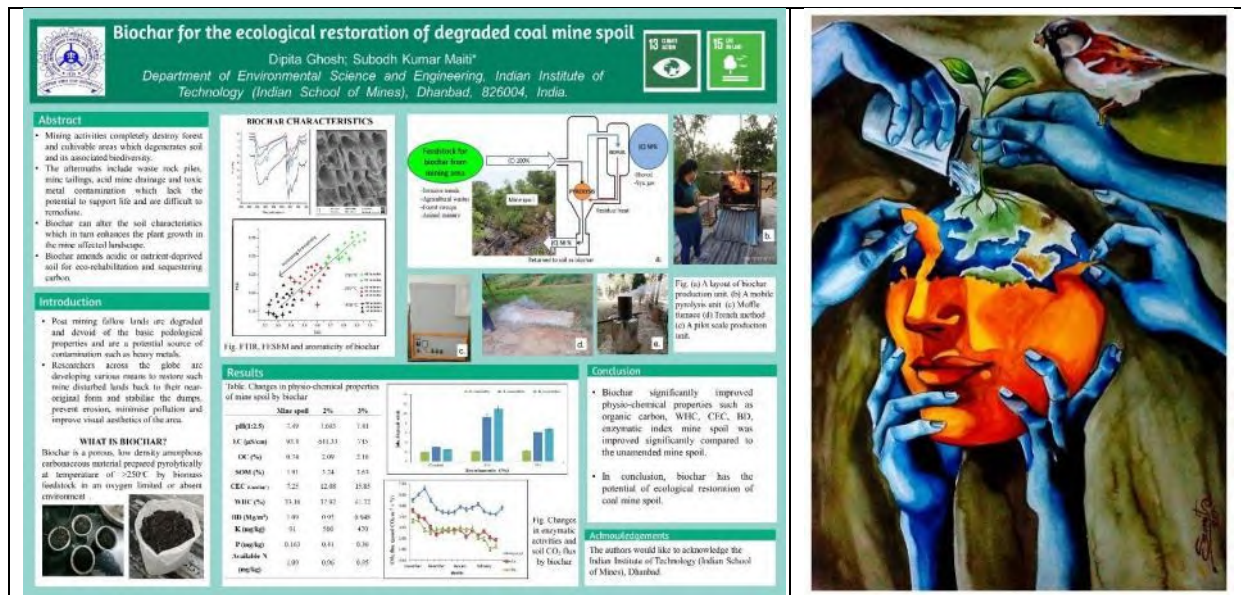


Fig. 4

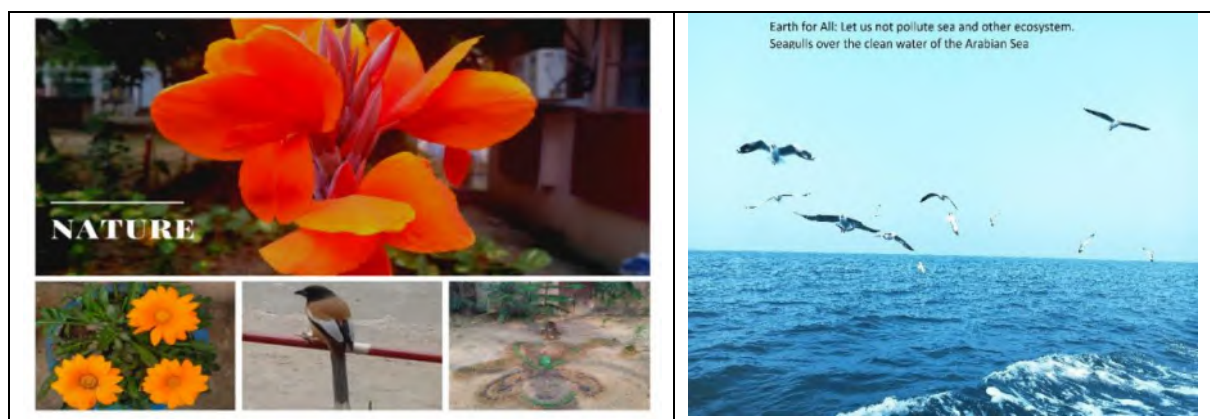


Fig. 5

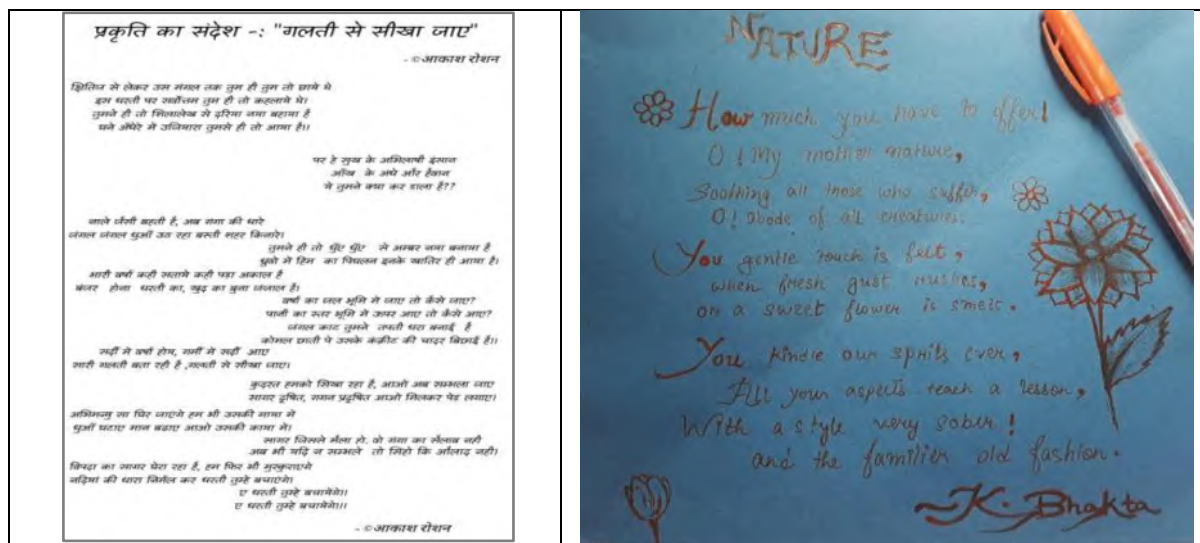


Fig. 6



Fig. 7

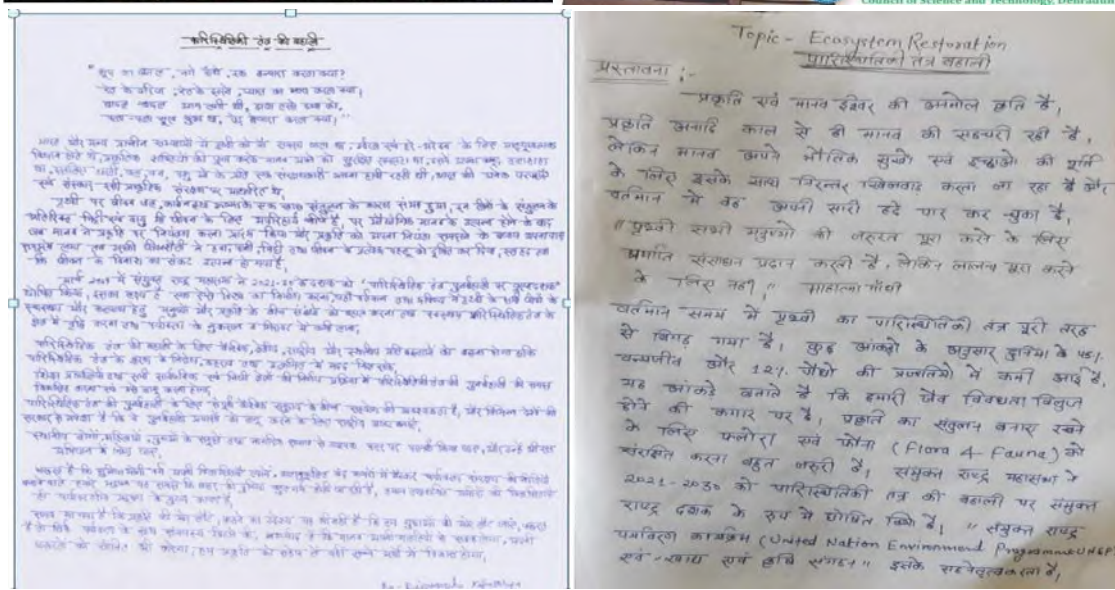
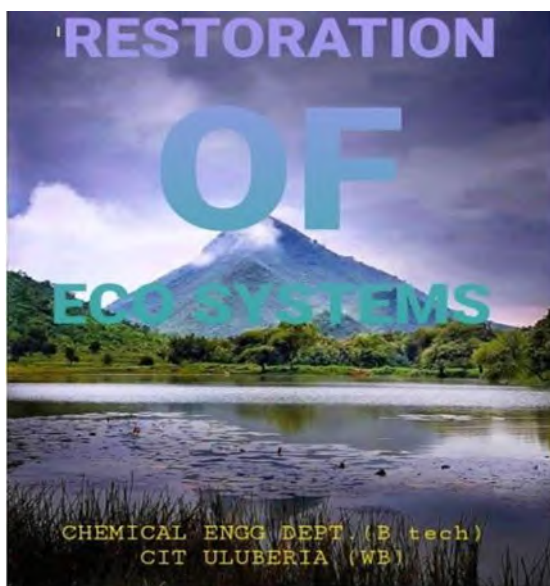
6. G.B. Pant National Institute of Himalayan Environment (GBPNIHE)

- A) The ENVIS Center at G. B. Pant National Institute of Himalayan Environment (GBPNIHE), organized an **Online Essay Competition** on the theme: **World Environment Day (2021)-Ecosystem Restoration**. The participants were 83 resource persons, who were trained under the Green Skill Development Program (GSDP) on Training of Trainers (TOT) at GBPNIH during the past three years. The three best essays will be awarded and published in the ENVIS newsletter.
- B) A **Plantation Drive** was jointly organized by GBPNIHE, the Centre for Biodiversity and Conservation Management (CBCM), and the Uttarakhand State Council for Science and Technology (UCOST). The event commenced with an introductory talk by Dr G.C.S Negi, Scientist-G, Head Centre for Socio-Economic Development (CSED) and ENVIS Coordinator at GBPNIHE, on the topic: **Ecosystem Restoration and COVID-19 Pandemic**. He emphasized on the various efforts made by the MoEF&CC under the Government of India for combatting land degradation and propagating ecosystem restoration.
- C) The GBPNIHE participated in a **Cleanliness Drive** around the institute premises, organized by CBCM. The participants followed the COVID-19 guidelines as they collected plastic and paper waste, and were provided with masks and gloves.





Glimpses of the Plantation Drive (at Surya Kunj)



Essay Competition

7. Botanical Survey of India (BSI)

- A) The BSI ENVIS Resource Partner on Biodiversity (Flora) in collaboration with Acharya Jagadish Chandra Bose Indian Botanic Garden (AJCBIBG), Botanical Survey of India, Howrah organized Sit & Draw competition for the students on the topic: **Restoration of Ecosystem of our Environment.**

Group	Number of Participants
Group - A (6 Years to 9 years)	229
Group - B (9+ year to 12 years)	278
Group - C (12+ years to 17 years)	192
Total	699

- B) The BSI ENVIS RP and AJCBIBG organized a slogan writing competition in both Hindi and English languages. The topic was related to: **Restoration of Ecosystem of our Environment.**

Group	Number of Participants
Group - A (9+ year to 12 years)	127
Group - B (12+ years to 17 years)	108
Total	235

Total number of participants for both the events were: **934**

The winner names will be displayed on the official website of BSI ENVIS RP at: www.bsienvs.nic.in



Glimpses of the Drawings

8. Forest Research Institute (FRI)

- A) The ENVIS Resource Partner at Forest Research Institute Dehradun, organized an online **Declamation Contest, Painting Competition and Slogan Writing Competition** on the theme: **Ecosystem Restoration**. These events were conducted for two categories-For students of classes VIII-XII and for university students (above XII). Around 70 entries were received from Uttarakhand, Rajasthan, Jharkhand, Tamil Nadu, Goa, Uttar Pradesh, Tripura, Himachal Pradesh, Kerala, Gujarat, and Odisha.

The winners of the declamation contest under the university group are; First: Ms Anusreeta Dutta, Forest Research Institute deemed to be University (FRIDU); Second: Ms. Nishtha Naudiyal, FRIDU, and Dr. Pankaj Kumar, Internship student from Nagpur Veterinary College; and Third: Ms. Rupali Nayal, Doon University.

The winners of the declamation contest under the school group are; First: Ms. Zeenab Jishtu, class X, Loreto Convent School, Shimla; Second: Akanksha Negi, Class IX, DAV New Shimla, Himachal Pradesh; and Third: Vrishti Chilana, class VIII, Jaycees Public school Rudrapur, Uttarakhand.

All the winners of the slogan writing contest under the university group were from FRIDU; First: Ms Sakshi Yadav; Second: Ambika; and Third: Tabassum Ansari.

The winners of the slogan contest under the school group are; First: Vedansh Negi, class VIII, SGRR Public School, Dehradun; Second: Diksha Uniyal, Class XII, Convent of Jesus & Mary, Dehradun; and Third: Shristi, Class X, KV IMA, Dehradun.

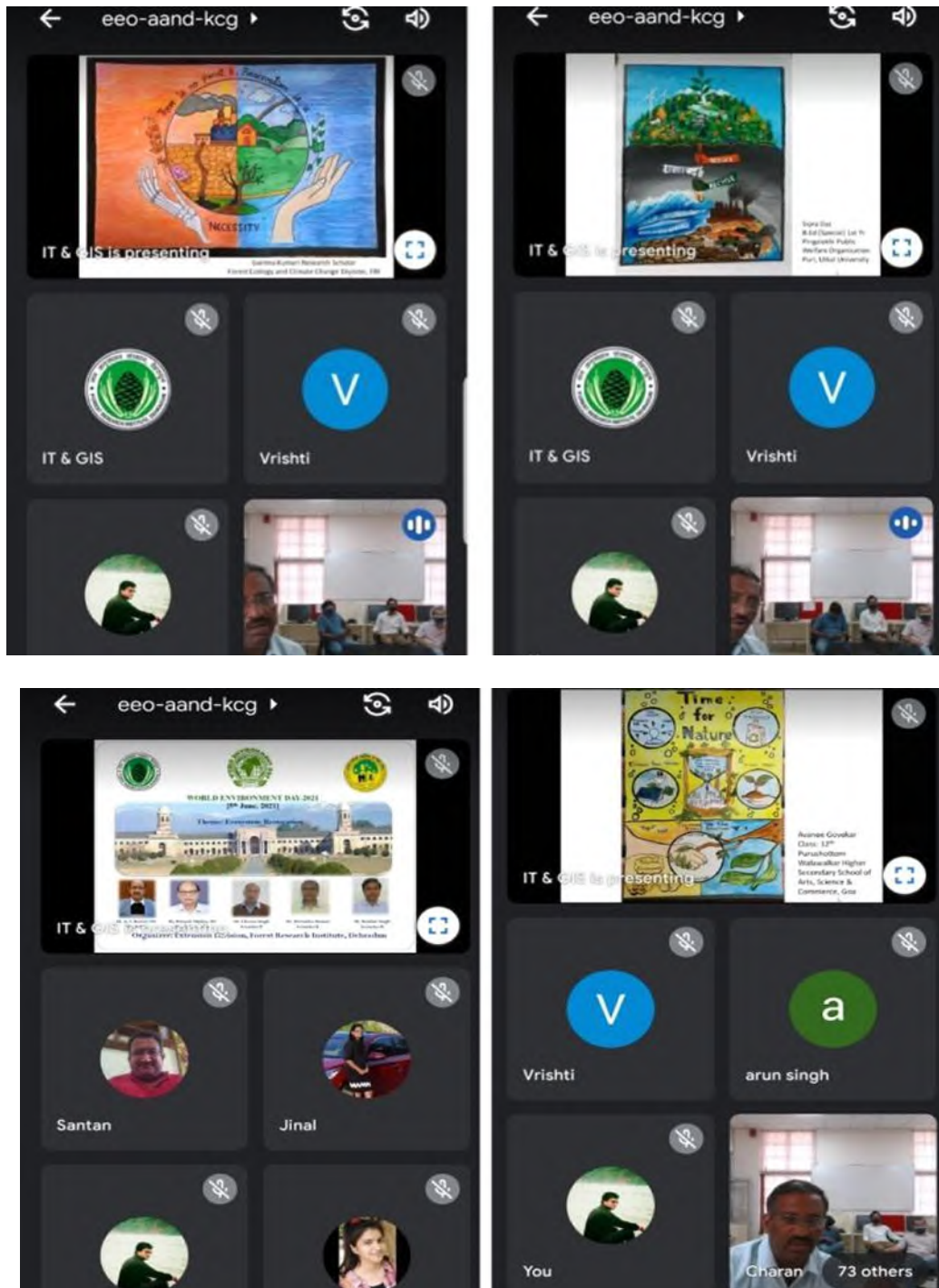
The winners of the painting competition under the university group are; First: Ms. Garima Kumari, FRIDU; Second: Mr. Shashank Kumar Mehta, Binod Bihari Mahto Koyalanchal University, Dhanbad; and Third: Ms Sakshi Yadav, FRI

The winners of the painting competition under the school group are; First: Srushti Patil, class X, SJCS School, Mysuru, Karnataka; Second: Mr. Abhishek Rajput, Class X, Lucknow Public School; and Third: Divya Uniyal, Class XII, Convent of Jesus & Mary, Dehradun.



- B) The chief guest on this occasion was Sh. Arun Singh Rawat, Director General, Indian Council of Forestry Research & Education and Director Forest Research

Institute Dehradun. He presented a talk on how the United Nations organizes World Environment Day every year. In addition, he sensitized the students on various environmental issues and encouraged them to participate in such events frequently organized by FRI Dehradun and other institutes of council countrywide.



Glimpses of WED celebrations at FRI

9. Wildlife Institute of India (WII)

A. The ENVIS Resource Partner on Wildlife and Protected Areas at the Wildlife Institute of India, Dehradun celebrated this occasion in collaboration with ENVIS HUB at the Uttarakhand Pollution Control Board Dehradun and Centre for Public Policy and Good Governance (CPPGG), Uttarakhand, which saw more than **310 participants**. The details are:

B. A **Webinar** in collaboration with CPPGG was organized to sensitize the Govt. officials, field level staff including student community, and general public, towards ecosystem restoration, climate change mitigations and biodiversity conservation (Fig. 1). The target group was from the Forest and Environment Department, Panchayati Raj Department and students. Ms Sharon Jacob, Communication and Training Specialist at CPPGG welcomed all, DrManoj Kumar Pant, Addl. Chief Executive Officer, CPPGG, Planning Department gave a welcome address, and Dr Dhananjai Mohan, IFS, Director, Wildlife Institute of India, Dehradun inaugurated the webinar. The details of the technical session are as follows (Fig. 2):

- **Topic: Invasive Species Management in Wildlife Habitat Restoration and Livelihood Generation:** Speaker - Dr. K. Sivakumar, Scientist- F and ENVIS Coordinator, Wildlife Institute of India, Dehradun.
- **Topic: Strengthening Governance for Restoring Ecosystems:** Speaker-Dr.Nasim Ahmad Ansari, Project Scientist, Wildlife Institute of India, Dehradun.
- **Topic: Nature based solutions for Ecosystem Restorations:** Speaker-Dr Nihal Anwar Siddiqui, Professor and Program Director Health, Safety & Environment & Civil Engineering, University of Petroleum and Energy Studies (UPES), Dehradun.

Dr Anju Baroth, Scientist-C &ENVIS Co-Coordinator, Wildlife Institute of India, lead the Question Answer session and Amir Lone, IT Officer/GIS Expert, ENVIS, Wildlife Institute of India gave the vote of thanks.

C. An Online Photography Competition was organized by MOEF&CC'sENVIS Hub and Resource Partner, at Uttarakhand Pollution Control Board, Dehradun and Wildlife Institute of India, Dehradun under Ek Bharat Shrestha Bharat. A total of 53 entries were received for the contest under theme: Ecosystem Restoration(Fig. 3).

D. An Online Poster Making Competition was organized by MOEF&CC'sENVIS Hub and Resource Partner, at Uttarakhand Pollution Control Board and Wildlife Institute of India, Dehradun under Ek Bharat Shrestha Bharat Programmewith the theme: Ecosystem Restoration is a natural solution for climate change for classes up to 12. A total of 47 entries were received for the contest (Fig. 4).

- E. An Online Slogan Writing Competition was organized by MOEF&CC's ENVIS Hub and Resource Partner, at Uttarakhand Pollution Control Board and Wildlife Institute of India, Dehradun under Ek Bharat Shreshtha Bharat Programme with the theme: Ecosystem Restoration for better life. A total of 67 entries were received in several languages (Fig. 5).



Fig. 1

WORLD ENVIRONMENT DAY 05 JUNE 2021

**A Joint Webinar
organized by
ENVIS Resource Partner- Wildlife Institute of
India (WII), Dehradun
&
Centre for Public Policy and Good Governance
(CPPGG), Uttarakhand**

**'Restoring Our Ecosystem
For Sustainable Living'**

**JUNE 5TH, 2021
10:30 AM - 11:30 AM**

WEBINAR LINK: [HTTPS://UNDP.ZOOM.US/J/83463507397](https://undp.zoom.us/j/83463507397)

SPEAKERS

Dr. K. Sivakumar- Scientist -F & ENVIS Coordinator WII
Dr. Nasim Ahmad Ansari- Project Scientist (MEE) WII
Dr. Nihal Anwar Siddiqui, Professor UPES Dehradun

**REIMAGINE
RECREATE
RESTORE**

#GenerationRestoration

ENVIS India: Working Towards a Sustainable Environment

Agenda #WED2021

Theme	Time Slot	Organization	Key Resource Persons/ Panelist
Brief introduction of panelist	3 Minutes (10.30 am- 10.33 am)	CPPGG	Sharon Jacob, Communication & Training Specialist
Welcome Address & Objective of the webinar	5 Minutes (10.33- 10.38 am)	CPPGG, Planning Department	Dr. Manoj Pant, Addl. Chief Executive Officer, CPPGG
Inaugural Speech	5 Minutes (10.38 am- 10.43 am)	Wildlife Institute of India (WII), Dehradun	Dr. Dhananjay Mohan, IFS Director, Wildlife Institute of India, Dehradun
Technical Presentations			
Invasive Species Management in Wildlife Habitat Restoration and Livelihood Generation	(10.43 am- 11.00 am)	ENVIS Centre, Wildlife Institute of India (WII), Dehradun	Dr. K. Sivakumar Scientist -F & WII-ENVIS Coordinator
Strengthening Governance for Restoring Ecosystems	(11.00 am- 11.15 am)	Wildlife Institute of India (WII), Dehradun	Dr. Nasim Ahmad Ansari- Project Scientist (MEE), Wildlife Institute of India, Dehradun
Nature based solutions for Ecosystem Restoration	(11.15 am- 11.30 am)	UPES University, Dehradun	Dr. Nihal Anwar Siddiqui, Professor and Program Director, Health Safety and Environmental Engineering Department, UPES University
Q & A Session & Vote of Thanks	(11.30 am- 11.35 am)	WII- ENVIS/ CPPGG	Dr. Anup Bishnoi, Scientist C- WII & ENVIS Co- Coordinator, Ranjan Kumar Borah, CPPGG/ Mr. Anur M. Lona, ENVIS Centre, WII

CPPGG: Centre for Public Policy and Good Governance
WII: Wildlife Institute of India
ENVIS: Environment Information System
UPES: University of Petroleum and Energy Studies

**REIMAGINE
RECREATE
RESTORE**

#GenerationRestoration

ENVIS India: Working Towards a Sustainable Environment

Fig. 2



Fig. 3



Fig. 4

प्राणवायु के दाता हैं हम, हम ही से है ये रत्नगर्भा, तो करो धरा को हरा भरा, ताकि पुनर्जीवित हो उठे हमारी वसुंधरा।

Don't make trees rare, keep them with care. Otherwise be ready to pay fare, for a world with everything rare

संवर्धन प्रकृति का, अंकुर नवनिर्माण का !

Save the green & blue before our future generation has to paint everything black

Society establishment minus ecosystem restoration is equal to chaos and destruction

कभी ना होगा मानव जाति का मंगल, काट दिये यदि इसने जंगल।

पर्यावरण संरक्षण के कागज़ी घोड़े मत दौड़ाओ, हे! मनुष्य, अगर सच में हिम्मत रखते हो, तो घर-घर में तुम वृक्ष लगाओ।

सहस्र वनों का सृजन कर, महामारी को मार भगाओ; साँसों को साँसों का उपहार दिलाओ।

WORLD ENVIRONMENT DAY
05 June 2021
Slogan Writing Competition Winners

Pooja Bansal
1st Prize:

Prashant Raj
2nd Prize:

Akshay Ishwar Mankar
2nd Prize:

Kota Mahidhar
3rd Prize:

Chandresh Bansal
Appreciation

Priyanjali Pokhariya
Appreciation

Aryan Yadav
3rd Prize:

Vaishnavi M. Saxena
Appreciation

Fig. 5

10. State Council of Science and Technology for Sikkim (SCSTS)

- A) The ENVIS Resource Partner Sikkim on Ecotourism, State Council of Science and Technology, Sikkim in collaboration with JNUENVIS Resource Partner on Geodiversity & Impact on Environment, School of Environmental Science, Jawaharlal Nehru University, New Delhi under Ek Bharat Shrestha Bharat Program conducted a **Short Video Compilation activity** (Fig. 1). Total **22 participants** sent their video from various parts of India. The compiled short video has been uploaded in Official YouTube handle of ENVIS Ecotourism for which the link is: https://www.youtube.com/watch?v=q3DF_RKNrAw&t=85s
- B) A **Webinar** was organized on the theme: **Ecosystem Restoration** by the JNUENVIS Resource Partner in collaboration with ENVIS RP on Ecotourism, S C S & T, Sikkim and the Young Holistic (YoHo) group, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi (Fig. 2). Prof U C Kulshrestha, Dean SES & JNUENVIS Coordinator-Prof Kulshrestha welcomed all the speakers, participants, students and all the guests. He introduced the speakers and highlighted the importance of the World Environment Day.
- C) Prof R P Singh, Chapman University, USA delivered his talk on Coupling between Human Population and its surroundings: i) Land ii) Water iii) Snow/ Glaciers iv) Air v) Biosphere. D T Bhutia, Director & ENVIS Coordinator, Dept. of S&T, Sikkim India talked about various steps taken in Sikkim for environment conservation.

He mentioned that all the above initiatives had a net positive effect on the environment of Sikkim. He concluded his talk by informing that 'Sikkim has been declared as the cleanest State in the country'.

Prof T K Adhya, FNA. Director, SANC&Prof. KIT, India talked on Ecosystem Restoration, mentioned the role of soil in achieving Sustainable Development goals of the U.N. Prof A K Malhotra, IFS Ex. PCCF Jharkhand and Member EAC, MoEF&CC India talked about how the whole ecosystem is getting choked due to plastic and advised not to use plastic at all. Dr Khem Raj Dahal, Tribhuvan University, Nepal talked about ecosystem concept and definition. Ms Sneha Aggarwal, Research Scholar, Stockholm University, Sweden shared information regarding her projects and research work. Currently she is working on natural aerosols, i.e. Sea Spray Aerosols. She concluded by stating that the best way to contribute to environment is to develop youth potential and to invest in environmental research. Mr Meshack Moranga, YoHoGyan Lead & Student, SES, JNU talked about YoHo activities and various competitions conducted by the YoHo group.

D) AnOnline Contest: Photography & Painting was organized by JNUENVIS RP in collaboration with ENVIS RP Sikkim on Ecotourism on the theme: Ecosystem Restoration (Fig. 3).



Fig. 1



Fig. 2



WORLD ENVIRONMENT DAY 2021 UNITED NATIONS DECADE ON ECOSYSTEM RESTORATION 2021-2030

Online Contest: Photography & Painting
On the theme:
Ecosystem Restoration

- Submit your entries before 4th June 2021 | Time: 01.00 pm.
- Submit your entries in good quality .jpeg | .jpg | .png format.
- Result will be declared on 5th June, 2021.
- All students (no age bar) can participate in these contests.

Registration link: <https://bit.ly/3uv3mgz>
Certificate will be provided to the participants.

Organized by:
JNU ENVIS Resource Partner on Biodiversity & Impact on Environment
School of Environmental Sciences,
Jawaharlal Nehru University,
New Delhi - 110 067

In Collaboration with:
ENVIS Resource Partner on Ecotourism
Sikkim State Council of Science & Technology,
Department of Science and Technology,
Vigyan Bhawan, Deorali,
Gangtok, Sikkim - 737 102

Sponsored by : Ministry of Environment, Forest & Climate Change, Govt. of India



World Environment Day
Theme: Ecosystem Restoration | June 5th, 2021

ONLINE PAINTING CONTEST RESULT

Group 1 (5 - 12 yrs)

Deepshikha De 1st Position
Ananya Rout 2nd Position
Sajal Jain 3rd Position

Group 2 (12 - 20 yrs)

Alpiza Das 1st Position
Aryan Yadav 2nd Position
Amurag Ramola 3rd Position

Group 3 (20 - 25 yrs)

Shashank Kumar 1st Position
Rhythm Kalia 2nd Position
Tritikshya Tejaswini 3rd Position

Group 4 (25+ Above)

Bharat Dhiman 1st Position
Mohd Shafiqullah 2nd Position
Ram Prasad 3rd Position

TOTAL NO. OF ENTRIES: 155

Organized By:
JNU ENVIS RP on Biodiversity & Impact on Environment
School of Environmental Sciences, JNU, New Delhi - 110067

In Collaboration with:
ENVIS Resource Partner on Ecotourism Sikkim State Council of Science & Technology, Vigyan Bhawan, Deorali, Gangtok, Sikkim - 737102

Sponsored by: Ministry of Environment, Forest & Climate Change, Govt. of India



World Environment Day
Theme: Ecosystem Restoration | June 5th, 2021

ONLINE PHOTOGRAPHY CONTEST RESULT

Group 1 (5 - 12 yrs)

Rishant Gurung 1st Position
Tannu Patel 2nd Position
Kushagra Roy 3rd Position

Group 2 (12 - 20 yrs)

Vinay Kumar Pendum 1st Position
Santanu Banduri 2nd Position
Chaitanya M. Saxena 3rd Position

Group 3 (20 - 25 yrs)

Abhishek Govekar 1st Position
Sachin Kr. Singh 2nd Position
Archisman Basu 3rd Position

Group 4 (25+ Above)

Sujit Kr. Panda 1st Position
Sulias 2nd Position
Sujoy Kr. Paul 3rd Position

TOTAL NO. OF ENTRIES: 84

Organized By:
JNU ENVIS RP on Biodiversity & Impact on Environment
School of Environmental Sciences, JNU, New Delhi - 110067

In Collaboration with:
ENVIS Resource Partner on Ecotourism Sikkim State Council of Science & Technology, Vigyan Bhawan, Deorali, Gangtok, Sikkim - 737102

Sponsored by: Ministry of Environment, Forest & Climate Change, Govt. of India

Fig. 3

11. Central Arid Zone Research Institute (CAZRI)

The ENVIS RP on Combating Desertification at ICAR-Central Arid Zone Research Institute, and ENVIS Hub, Assam Science Technology & Environment Council, Department of Science & Technology, Govt. Of Assam jointly organized a webinar on June 05, 2021 under the initiative 'Ek Bharat Shrestha Bharat. The theme was **Ecosystem Restoration**. The event was inaugurated by SmtKimneiChangsan, Director, Assam Science Technology & Environment Council, Assam who highlighted the importance of World Environment Day. Dr O P Yadav, Director, ICAR-CAZRI, Jodhpur stressed on reducing the amount of environmental footprints of water and carbon and its importance. He emphasized steps to take care of ecosystem in the present context of pandemic and told land degradation is a local issue with Global solution.

Mrs Manisha Sarmah, Programme Officer, ENVIS Hub, Assam coordinated the programme. The session was followed by a brief introduction of ENVIS Hub, Assam by DrJaideepBaruah, ENVIS Coordinator, Assam. He thanked MoEF&CC and extended their cooperation to organize such events held in collaboration with extreme corners of country which gives opportunity to understand variability.

ShAbhay Kumar Johari, IFS, Former Special Principal Chief Conservator of Forests, Member Secretary, Assam State Biodiversity Board elaborated on the ecosystem and biodiversity of Assam. He explained the importance and vulnerabilities of other ecosystems, like agriculture, horticulture, fisheries, cash crop plantation, sacred grooves, small rivers, and small ecosystems. He stressed on that restoration can be done by opting and promoting locally available things which are good for health, economy and ecosystem.

DrSangeetaGoyal, Programme Officer, ENVIS RP, Rajasthan, gave a detailed introduction of the Guest Speaker from Rajasthan state; Dr P C Moharana, Principal Scientist & ENVIS Coordinator, at ICAR-CAZRI. The speaker gave his presentation entitled **Ecosystem Restoration - Challenges & Perspectives from Indian Arid regions in Rajasthan**. He showed the glimpse of arid ecosystem which supports about 27 million human and 30 million livestock population and where the sandy landscape and its ecology is governed by several factors. For restoration he suggested that we need to improve the productivity and capacity of ecosystem for all. He explained major challenges such as fragile resource base which includes desertification & land use degradation, wind erosion, poor soils, water scarcity, salinization, climatic stress and high biotic pressure. To check the degradation due to wind erosion, he explained the sand dune stabilization, shelterbelt plantations, agroforestry etc. He concluded by stating that restoration has three key words- Adaptability, Sustenance and Improvement. After the lectures, there was a healthy interaction session.

Vote of thanks was extended by Dr Sangeeta Goyal. The webinar was attended by more than 100 participants which included scientists, officials and other participants from both the states.



World Environment Day 2021

Theme: Ecosystem Restoration

WEBINAR

Under the Government of India initiative, "Ek Bharat Shrestha Bharat" to be jointly conducted by Assam and Rajasthan.

Inauguration
Smt. Kimnei Changsan, ACS
Director, Assam Science Technology & Environment Council

SPEAKERS



Sri. Abhay Kumar Johari, IFS,
Former Special Principal Chief Conservator of Forests, Member Secretary
Assam State Biodiversity Board



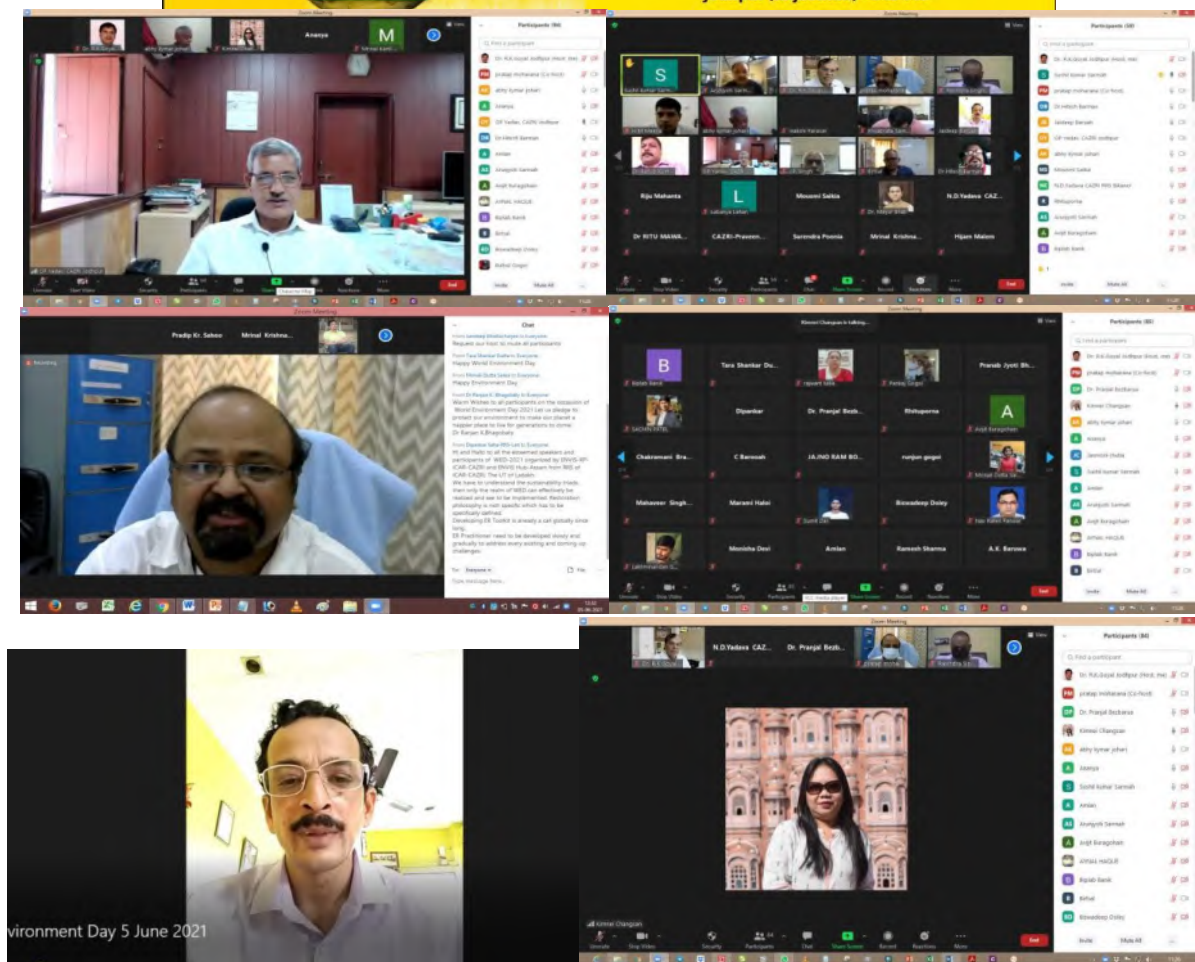
Dr. P. C. Moharana
Principal Scientist & ENVIS Coordinator
ICAR- Central Arid Zone Research Institute
Jodhpur (Rajasthan) – 342 003

Organised by:
ENVIS HUB ASSAM
Assam Science Technology & Environment Council
Dept. of Science & Technology
Govt. of Assam
&
ENVIS RP on Combating Desertification
ICAR- Central Arid Zone Research Institute
Jodhpur (Rajasthan) – 342 003

TIMING
Saturday, June 5 - 11:00am – 1:00pm
Google Meet joining info
Webinar link:
<https://meet.google.com/dgi-ixmx-kcg>

No Registration Fees

WORLD ENVIRONMENT DAY
5 JUNE 2021



Glimpses from the Webinars

12. Department of Zoology - University of Madras

- A) The ENVIS RP on Microorganisms and Impact on Public Health at the Department of Zoology, University of Madras, Guindy Campus, Chennai conducted an **Essay and Art Competition** on this occasion (Fig. 1). The theme: Ecosystem Restoration Responses, received 63 till date.
- B) A Webinar on **Restoring Ecologically Sensitive Areas (ESA)** was organized by DzUMENVIS RP (Fig. 2). Prof S Janarthanan, Head, Department of Zoology, University of Madras, Guindy Campus, Chennai delivered the inaugural address. Prof N Munuswamy, CSIR EMERITUS SCIENTIST, Department of Zoology, University of Madras gave a short introductory talk about ENVIS and its related activities. Dr CARulvasu, DzUMENVIS Coordinator & Associate Professor, Department of Zoology, University of Madras introduced the speaker. Dr V Deepak Samuel, Scientist E, Conservation of Coastal and Marine Resources Division, National Centre for Sustainable Coastal Management (NCSCM), Ministry of Environment, Forest & Climate Change, Govt. of India gave his lecture on Restoring Ecologically Sensitive Areas (ESA). He spoke about the sustainable development goals (SDG) and emphasized on SDG 14 'Life Under Water'. His talks included the threats faced by various marine habitats such as estuaries, seaweeds, corals, mangroves, saltpans and many others. A comprehensive information on the ecological values of these habitats was lectured and the steps that has to be taken to conserve these habitats were elaborately explained. After completion of his talk a brief Q&A session was held and the event ended with vote of thanks delivered by Dr G KarunaSagar, Programme Officer, DzUMENVIS. Total **105 participants** had registered in the webinar out of which **96 participants** had attended. The participants gave positive feedback for the webinar conducted.



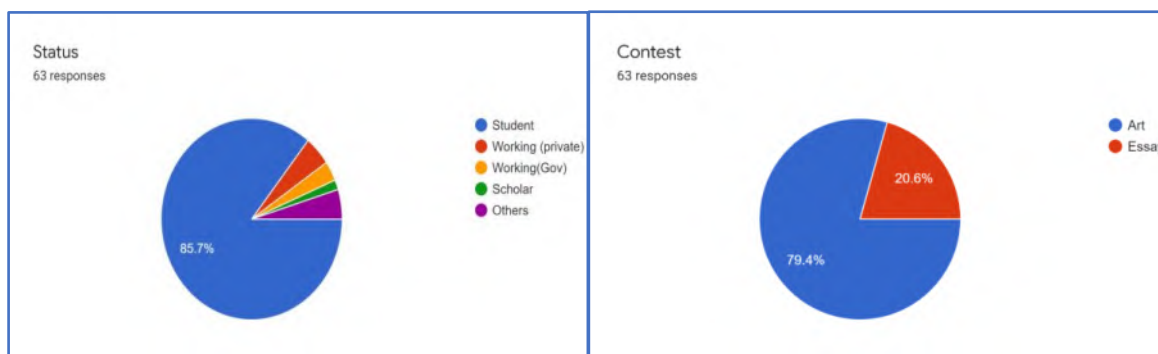


Fig. 1

Environmental Information System Resource Partner (ENVIS RP)
on **"Microorganisms and Impact on Public Health"**
(Funded by: Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi)
Department of Zoology, University of Madras, Guindy Campus, Chennai-600025.

Speaker



Dr. V. Deepak Samuel, Ph.D.
Scientist E

Conservation of Coastal and Marine Resources Division
National Centre for Sustainable Coastal Management (NCSCM)
Ministry of Environment, Forest & Climate Change,
Govt. of India
Anna University Campus
Chennai 600 025, Tamil Nadu, INDIA.

Date: 5th June 2021
Time: 11:45am to 12:45pm

FOR REGISTRATION: [Click here](https://forms.gle/WRISLGrUChzSfALT9)
<https://forms.gle/WRISLGrUChzSfALT9>

E-certificate will be issued to all attendees

"World Environment day 2021"
Theme : "Ecosystem Restoration"
Invitation for webinar on
"Restoring Ecologically Sensitive Areas (ESA)"

Speaker Introduction:
Dr. C. Arulvasu, ENVIS Coordinator, Department of Zoology, University of Madras.

Panel Experts:
Prof. N. Munuswamy, CSIR Emeritus Scientist, Former ENVIS Coordinator, Department of Zoology.
Prof. S. Janarthanan, Head, Department of Zoology, University of Madras.

Session Organizer:
Dr. G. Karuna Sagar, Scientist-D, DZUM ENVIS RP, University of Madras.

Google Meet Link : <https://meet.google.com/mwy-egfy-njn>

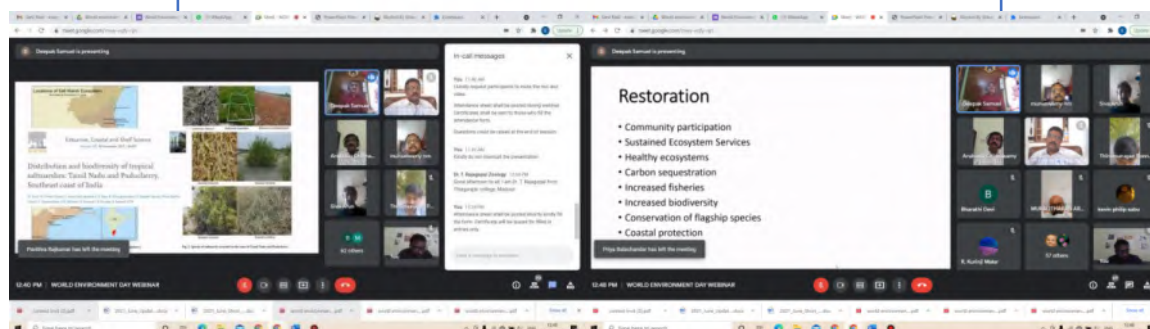
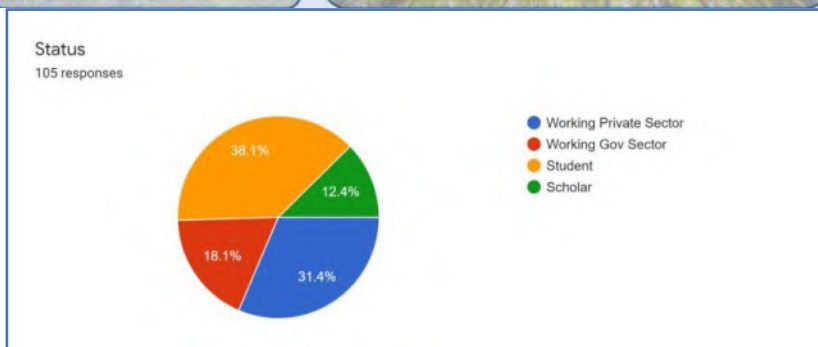


Fig. 2

13. Institute for Ocean Management (IOM), Anna University

- A) The ENVIS RP at the Institute for Ocean Management, Anna University published a **Write-up** on the topic: **Ecosystem Restoration** prepared by the subject expert Dr R Devika Madam, AVIT College, Chennai, Tamil Nadu. The beneficiaries of this event were: Public, School students, College students, and Research scholars.

Link: <http://iomenvis.nic.in/indexx.aspx?langid=1&slid=13313&mid=2&sublinkid=528>

- B) An **e-Poster** on **Ecosystem Restoration** was released which benefitted the: Public, School students, College students, and Research scholars.

Link: <http://iomenvis.nic.in/indexx.aspx?langid=1&slid=13314&mid=2&sublinkid=529>

- C) A student interaction session was conducted via a **Webinar** on the topic: **Ecosystem Restoration** on June 05, 2021 at 03:00 p.m. via the Zoom application. This session was presented by Mr B.Parthasarthy, Free Lancer Environmentalist and Wild Life Photographer, Chennai. The beneficiaries of this event were: Public, School students, College students, and Research scholars.



e-Poster



ENVIS - Resource Partner of Coastal Zone Management and Coastal Shelter Belt Institute for Ocean Management, Anna University, Chennai - 600 025

EK SHARAT SHREETHA SHARAT PROGRAMME (ES33)

WORLD ENVIRONMENT DAY JUNE 5th, 2021

REIMAGINE. RECREATE. RESTORE

Write-up on Ecosystem Restoration

HEALTHIER OUR ECOSYSTEM - HEALTHIER IS OUR PLANET EARTH

Overexploitation of natural resources, disruption in the natural equilibrium has led to drastic changes in the ecosystem worldwide. However, in focusing on ecological restoring processes in the following Decades is a challenge for all the developing countries in unique perspectives to restore and motivate in enhancing the inherent ecological values. Attempts on restoring ecological functions such as reduction in desertification, improvement in water capacity, improvement in nutrient pools, increase in microbial biomass, strengthening geochemical cycles, improvement in agro biodiversity etc. have potential increased worldwide for self-sustaining environment. These efforts have exploded in recent years, posing certain obstacles, heavy linear focus on habitats, preserve future evolutionary potentials (real time evolution) etc. Furthermore, this has overlapped on forced current scenarios of restoration initiatives for future sustainable developments.

Why Ecosystem restoration? (a) The trees absorb tonnes and tonnes of CO₂ over the years and capture large amount of pollutants (b) Improvement in the crop plants (c) Improves natural greening leading to constantly evolving habitats with growing rich biodiversity (d) Ultimately, allowing the nature to function by its own with clean environment for sustainability. Restoring ecosystem which is considered as best way of tackling and restoring the nature with clean air, water, soil, climate, carbon sequestration etc. to enhance health and well-being of all living organisms to humans.

A survey on restoration between now and 2030 reveals that about 13 – 26 gigatonnes of greenhouse gases will be removed and nine times economic benefits increases than the initial investment on restoration. Furthermore, the ultimate goal of any developing country in terms of

improvement in livelihoods (Good health and well-being), quality education, zero hunger, enhanced climate action, reduction of diseases, reduction in risk of natural disasters, zero waste, no poverty etc. can be achieved. Yet another concept in ecosystem restoration will include adaptation strategies like sustainable management, conservation, adaptations to climate changes so as to maintain the resilience and reduce the vulnerability of ecosystems, build traditional knowledge and practices.

Many countries has proposed legal binding targets on ecosystem restoration in connection with improvement in biodiversity (restoring food chain), climate, harvest of forest biomass, to grow bio-energy crops, reducing tillage, use of natural fertilizers (step to rebuild carbon stores), control of overgrazing and erosion, protection on floods, avalanches, landslides etc. to create sustainable co-existence corridors for future.

Dr R Devika, M.Sc., M.Phil, Ph.D., PGDRI, M.Tech, Ph.D.,
Professor and Head
Department of Biotechnology
Sreejaya Vastha Institute of Technology
Vastha Vastha Research Foundation (DV)
Puliyasoor - 605 104

Write-up



ENVIS - Resource Partner of Coastal Zone Management and Coastal Shelter Belt Institute for Ocean Management, Anna University, Chennai - 600 025

ONLINE STUDENT INTERACTION SESSION

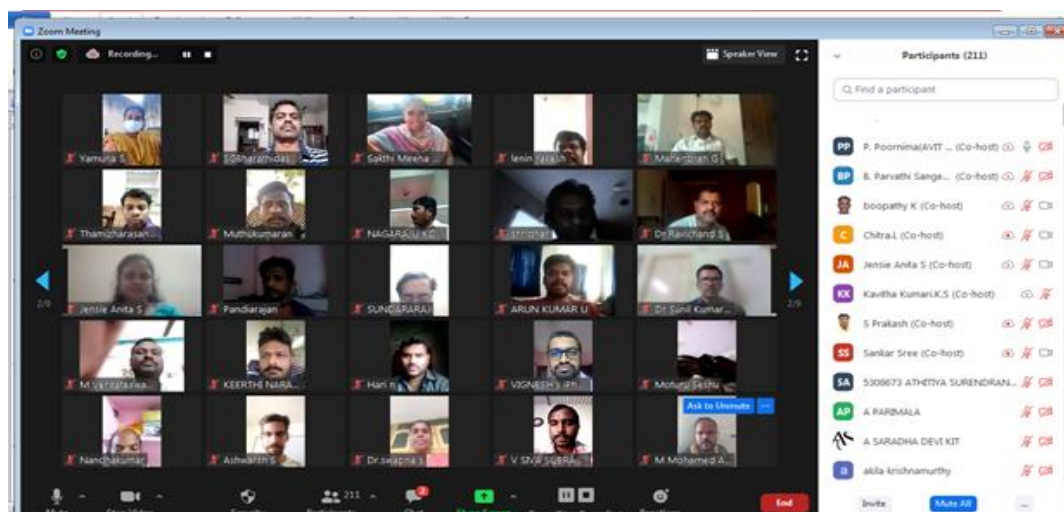
WORLD ENVIRONMENT DAY JUNE 5th, 2021

REIMAGINE. RECREATE. RESTORE

Resource Person: Mr.R.Parthasarathy,
Free Lancer Environmentalist and Wild Life Photographer, Chennai

Topic: Ecosystem Restoration

Date: 05.06.2021 Time: 3.00 pm
Mode: Online (Zoom meeting)
Meeting ID: 880 9525 6875
Passcode: 016553



Glimpses from the Webinar

14. Indian Institute of Tropical Meteorology (IITM)

- A) IITM-ENVIS RP interacted with renowned personalities by arranging an educational **Webinar on: Antarctic Frontiers: Ecosystem & Challenges** and various scientific environmental topics (Fig. 1). Dr. Anoop Tiwari, Scientist E & SIC EIA, NCPOR, Goa was requested to share his experience of working at Antarctica and his observation about ecosystem and its challenges. The webinar is available on YouTube Link: <https://www.youtube.com/watch?v=pKQEZNAAtIo>

This event was followed by declaration of results of the online competitions organized on the occasion of World Environment Day 2021. Total **860 viewers** joined the webinar live and till date above **2300 people** have viewed the webinar.

- B) An **Online Open Drawing and Short Video Competition** were organized on the following themes:

Drawing Competition theme: 1. **Ecosystems (Forest, Mountain, Desert, Grassland, Marine and others); 2. Tribal or Folk-Art Drawings/Paintings of Odisha (Saura, Pattachitra, others)**(Fig. 2)

Short Video Making Competition theme: 1. **How you have made sustainable changes in your lifestyle after taking E-pledge? / Which personal habits can make our life eco-friendly?; 2. Describe one historic place in Odisha or history of Odisha state.**

The online competitions got responses from all over India. Total **574 entries** were received for both the competitions.

- C) IITM-ENVIS organized a **Medicinal Plant Distribution Program** for IITM Scientists and employees taking all the necessary COVID-19 precautions.

Following Medicinal Plants were distributed during the program: [Scientific Name (--) General name] and those who adopted a plant were presented a badge of “Climate Change Warrior”:

<i>Tinosporacordifolia</i> (Gulvel),	<i>Adathodavasica</i> (Adulasa),
<i>Barleriaprionitis</i> (Katekoranti),	<i>Ocimumbasilicum</i> (Sabja),
<i>Limoniaacidissima</i> (Kavath),	<i>Rosa sp.</i> (Gavthigulab),
<i>Mimusopselengi</i> (Bakul),	<i>Costusignius</i> (Insulin plant),
<i>Micheliachampaca</i> (sonchafa),	<i>Aeglemarmelos</i> (Bel).

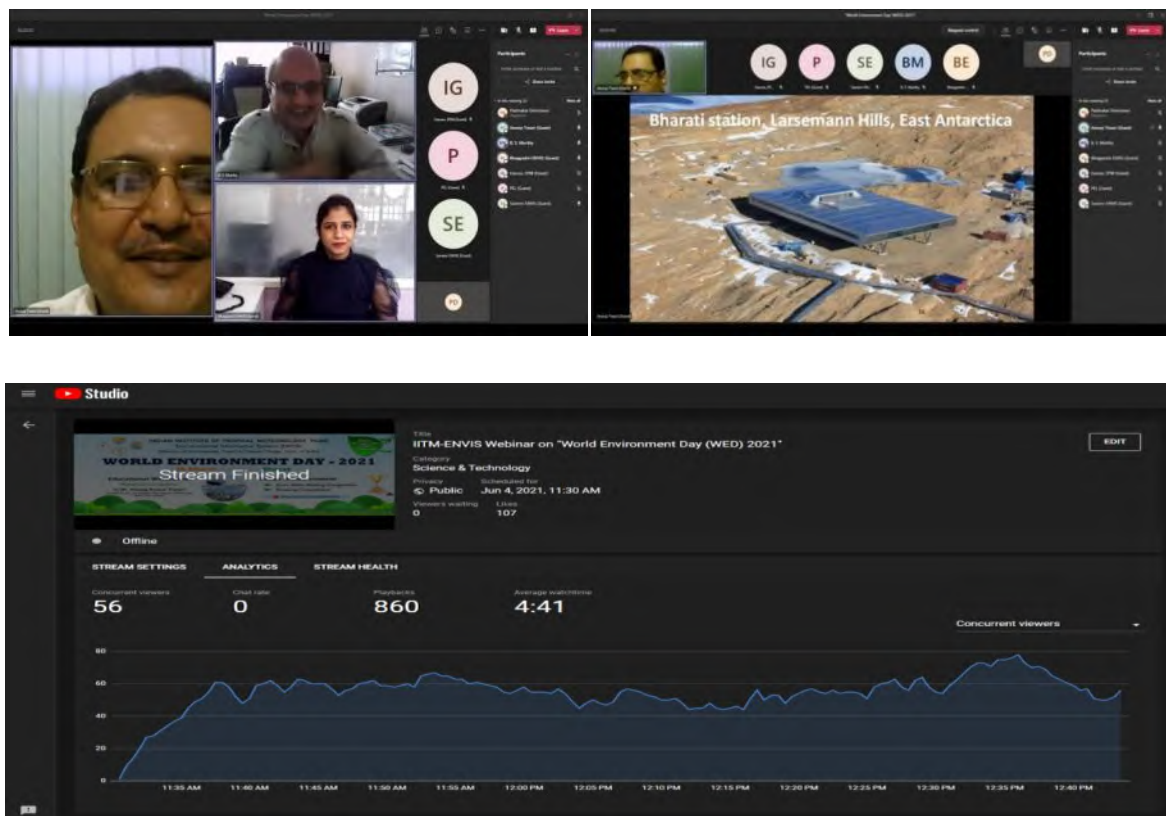


Fig. 1



Fig. 2

15. Indian Institute of Chemical Technology (IICT)

On occasion of World Environmental Day-2021 CSIR-IICT Resource Partner on Climate Change and Public Health released four posters.




16. National Botanical Research Institute (NBRI)

- A) The ENVIS RP at NBRI had organized **Online Competitions** on the topic: **Actions, Choices & Voices** for initiating **Join#GenerationRestoration** under three categories **Poster, Cartoon and Short Essay** for school, college, university, institute students, and general public (Fig. 1). Participants from classes 5-8 (Category-A), classes 9-12 (Category-B), undergraduates (Category-C), and postgraduates (Category-D) took part in the events. Deadline for submission of entries was June 03, 2021 (Thursday). Medium of entries was in both Hindi and English languages. Director CSIR-NBRI-Prof SK Barik constituted a panel of experts-Dr RD Tripathi, INSA Senior Scientist was the chairman; Drs Anju Patel, Dibyendu Adhikari, Shekhar Mallick, and Vivek Srivastava, Scientists CSIR-NBRI were the members-to screen and short-list the three best entries. Total **275 candidates** belonging from 17 Indian states had participated in these events.
- B) ENVIS-RP-NBRI organized two **Webinars** on the following topics (Fig. 2):
- **Making Ganga Basin Water Surplus through Ecological Restoration** delivered by Prof Venkatesh Dutta of Babasaheb Bhimrao Ambedkar University, Lucknow. He emphasized on the ecological restoration programme in the Ganga River basin. Total 567 participants belonging to 23 Indian states and 1 UT registered in which the maximum participation (**471**) was from Uttar Pradesh.
 - **Preventing, Halting and Reversing the Degradation of Ecosystems** delivered by Dr Pankaj Kumar Srivastava, Principal Scientist & Coordinator, ENVISRP at NBRI, Lucknow. Total **567 participants** from class 5 (**25**) to postgraduates (**124**) had registered.
- C) An **Online Environmental Quiz** was organized during the webinar on June 05, 2021 for undergraduate and postgraduate participants. The theme of **Join#GenerationRestoration** was popularized by the event which covered cities, farmlands, forests, and oceans. Quiz was based on 30 different questions pertaining to different ecosystems.

These events were registered at the UNEP website dedicated to the global WED efforts at <https://www.worldenvironmentday.global/get-involved/events>



Fig. 1



Environmental Information System (ENVIS) - Resource Partner (RP)
CSIR - National Botanical Research Institute, Lucknow
on the occasion of World Environment Day - June 5th, 2021

Webinars on
Making Ganga Basin Water Surplus
through Ecological Restoration


Speaker
Prof. Venkatesh Dutta
 School of Earth & Environmental Sciences, BBAU Lucknow

PREVENTING, HALTING AND REVERSING THE
DEGRADATION OF ECOSYSTEMS


Speaker
Dr. Pankaj Kumar Srivastava
 Principal Scientist & Coordinator, ENVIS-RP-NBRI, Lucknow

on
June 5th, 2021 (SAT)
1500 to 1600 hrs

Webinar Link: meet.google.com/qjp-xnux-muo



Registration Link
<https://forms.gle/Roe1MaVFEqgDNZV8>
 (open upto June 4th, 2021 (FRI) 1800 hrs)



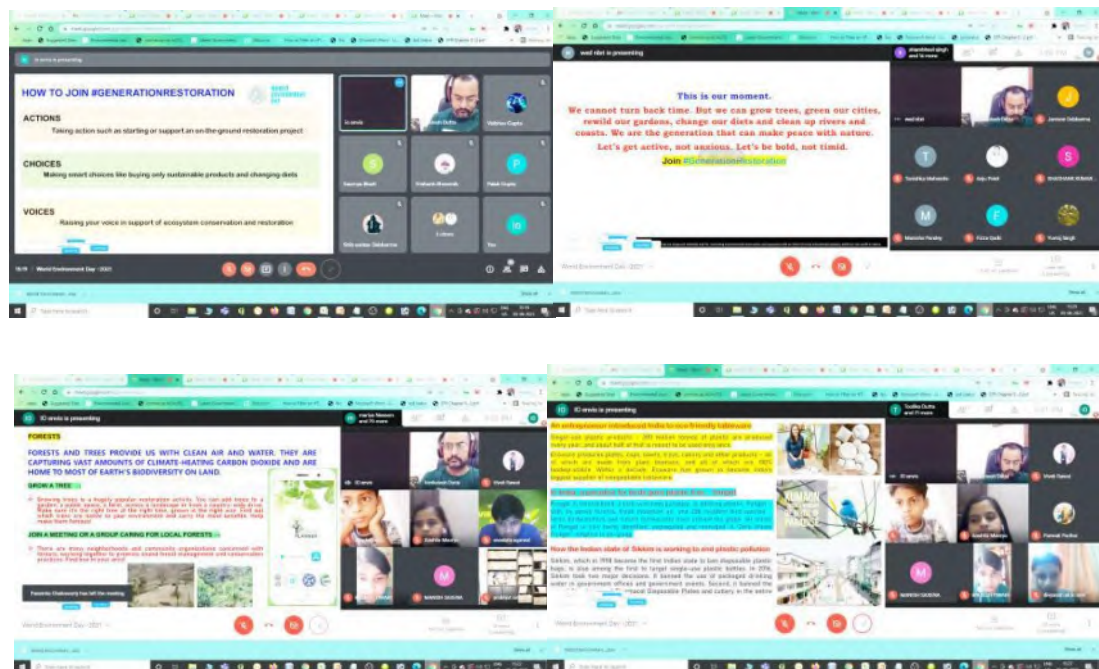






Fig. 2

Environmental Information System (ENVIS) – Resource Partner (RP)
CSIR – National Botanical Research Institute, Lucknow
on the occasion of World Environment Day – June 5th, 2021

Announces
Online Competitions for Poster, Cartoon, Short Essay and Quiz

Topic: Actions, Choices & Voices for initiating [Join#GenerationRestoration](#)

Note:
 •Kindly provide your name, father's name, class, name of school/ college/ university, your photograph, full address, mobile number along with your handmade entries
 •One participant can take part in more than one online competition
 •Final Decision on Ranking of Entries will be done by a Panel of Experts.

Medium of Entries:
Hindi and English

Participants
 Category A: Class V - VIII
 Category B: Class IX – XII
 Category C: Undergraduates
 Category D: Postgraduates

Registration Link
<https://forms.gle/Roe1MaVvFEdqDNZV8>
(open upto June 4th, 2021 (FRI) 1800 hrs)

Deadline for Submission of Entries
June 3rd, 2021 (THU) by 1800 hrs
at email:
nbri-env@nic.in
ioenvis2020@gmail.com

Environmental Quiz
 (for undergraduates and postgraduates)
 during the webinar on June 5th, 2021 (SAT) at joinmyquiz.com link
 Join code will be shared with you during the webinar

- ✓ No Registration Fee will be charged, but participants of each online competition has to register themselves to the Registration Link provided for attending the Webinar on June 5th, 2021.
- ✓ Registered Candidates will be awarded with 'e-certificates' for their participation in the webinar, online quiz, poster, cartoon, short essay.
- ✓ Top three winners of quiz, poster, cartoon and short essay in each category will also be awarded with 'e-certificates' of their ranking in the competition.









Fig. 3

17. Gujarat Cleaner Production Centre (GCPC)

A) The Gujarat Cleaner Production Centre-ENVIS Resource Partner, Gandhinagar under the leadership and guidance of Dr Bharat Jain, Member Secretary, GCPC& Coordinator, GCPC-ENVIS organized an **Expert Lecture** on June 04, 2021 at the GCPC-ENVIS Center (Fig. 1). Shri Hemant Suthar, (Retd) Dy Conservator of Forest (DCF) (Class-1) was invited as a special guest on the occasion. He discussed on the theme: **Ecosystem Restoration**. He stressed upon 'The Bonn Challenge' and then discussed the ecosystem-types, structure, components, problems associated with ecosystem degradation, and process for its restoration by planting trees, preventing pollution, sustainable lifestyle. The session concluded with vote of thanks from Dr Bharat Jain, Member Secretary, GCPC& Coordinator, GCPC-ENVIS.

B) GCPC-ENVIS RP & Department of Civil and Environmental Engineering-Dr S & S S Ghandhy Government Engineering College, Surat jointly organized a **Webinar on Integrating Ecosystem into Sustainable Industrial Development** on June 05, 2021 (Fig.2).

The dignitaries were Dr V D Dhiman, Principal, DGSEC, Surat, Dr Bharat Jain, Member Secretary, GCPC& Coordinator, GCPC-ENVIS. This event saw 130 participants inclusive of professors and students from DGSEC, Surat. The event started with a welcome address from Dr V D Dhiman, Principal, DGSEC and a brief introduction of Dr Bharat Jain by Prof D J Mehta, Asst Prof CED, DGSEC, Surat. Dr Jain discussed the inception of World Environment Day, Environment Perspective in India since ancient times with worshipping different elements of nature as a God followed by discussion on ecosystem, causes and evidence of ecosystem damage. He stressed upon the various tools for ecosystem restoration gave example of Environmental Impact Assessment (EIA) Study. He gave various examples of successful restoration projects in India, like Yamuna Biodiversity Park a collaborative effort of Delhi Development Authority and Centre for Environmental Management of Degraded Ecosystems (CEMDE), University of Delhi; and Mangrove restoration at Andhra Pradesh and at Chilka Lake, Odisha. He mentioned, Gujarat being the leading industrialized state in the country also led in terms of effluent treatment capacity with most number of Common Effluent Treatment Plants (CETPs), Treatment, Storage and Disposal Facilities (TSDFs), Deep Sea Disposal Facilities. The programme concluded with a Q & A session and vote of thanks from Prof D J Mehta, Asst Prof CED, DGSEC, Surat.

C) GCPC-ENVIS RP with support of Shree P K Chaudhari Mahila Arts College, Gandhinagar, Bharat Vikas Parishad, Gandhinagar and National Service Scheme (NSS) jointly organized an **essay competition** for two categories Class 8-12, and UG & PG Students (Fig. 3). Participants from schools and colleges of Gandhinagar,

Gujarat submitted essays on **Ecosystem Restoration** in English, Hindi and Gujarati languages.

The first three winners in each category I and II will receive cash prizes, **25 participants** in merit from both the categories will get appreciation E-certificate and kit bag from GCPC-ENVIS RP. Remaining participants will get E-certificate from GCPC-ENVIS RP. The winners will be declared on GCPC-ENVIS RP website, link:www.gpcpenvis.nic.in



Fig. 1



Fig. 2

Gujarat Cleaner Production Centre ENVIS RP
organizing
Essay competition
on
"Role of TREES in ENVIRONMENT"
in collaboration with



WORLD ENVIRONMENT DAY
5th JUNE
Theme: Ecosystem Restoration

WORLD ENVIRONMENT DAY
UNITED NATIONS DECADON
ECOSYSTEM RESTORATION
2021-2030



Participant from Gandhinagar
Category I – Class VIII to XII
Category II – UG & PG Students

Link for submission:
<https://forms.gle/f6QywsFzNa4MmjsX8>

Last date of Submission:
9th June 2021 till 05:00 PM

Contact us at:
3rd Floor, Block 11-12, Udyog Bhavan,
Sector 11, Gandhinagar, Gujarat 382017
Phone: +91 98251 46644

Follow us on:
@GCPC_Gujarat

World Environment Day is a campaign celebrated by people worldwide on 5 June every year. The campaign was set up to raise global awareness of people about environmental issues as well as to take positive environmental actions. It is governed by the United Nations Environment Program and was established in 1972 by the United Nations General Assembly. It is the day to focus exclusively on the current environmental conditions to improve the environment & celebrated by people in more than 100 countries. It is the day when the public and politicians are stimulated through increased awareness of the environment for public works, along with increasing political attention. The day was created to promote people to work on environmental issues and to become active agents of sustainable and environmentally friendly development worldwide.

On behalf of this, this year Gujarat Cleaner Production Centre - ENVIS RP is going to celebrate "WORLD ENVIRONMENT DAY" by organizing essay competition in collaboration with Shree P. K Chaudhari Mahila Arts College, Gandhinagar, Bharat Vikas Parishad, Gandhinagar and National Service Scheme (NSS).

Theme of World Environment Day, 2021 is "Ecosystem Restoration".



Participant from Gandhinagar
Category I – Class VIII to XII
Category II – UG & PG students

Link for submission:
<https://forms.gle/f6QywsFzNa4MmjsX8>

Last Date of Submission: Essay must be submitted by 9th June, 2021 (05:00 PM)

*** Competition is for schools/colleges of Gandhinagar, Gujarat**

Important notes:

- Participants can submit essay in English/Hindi/Gujarati language
- Minimum and Maximum words limit for Essay in each category is as follows:
 - Category I (Min 1500 - Max 2000 words)
 - Category II (Min 2000 - Max 2500 words)
- The essay has to be submitted as a single PDF or JPEG (in readable format) file

Prizes:

- First three winners in each category I and II will receive cash prize.
- 25 participants in merit from both the category will get appreciation E-certificate and kit bag from GCPC-ENVISRP.
- Remaining participants will get E-certificate from GCPC-ENVISRP.

Names of the winners will be declared on www.gpcpenvis.nic.in website.



Fig. 3

Let Us Give Our Coming Generations a Healthier and Happier Environment to Have a Beautiful Life.
Best Wishes on World Environment Day



GUJARAT CLEANER PRODUCTION CENTRE
ENVIS Resource Partner: Cleaner Production & Clean Technology
Phone: +91251 46644 | Email: gpcpenvis@nic.in | Website: www.gpcpenvis.nic.in

The Earth does not belong to us: we belong to the Earth.
Go Green..



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ENVIS Resource Partner: Cleaner Production & Clean Technology
Phone: +91251 46644 | Email: gpcpenvis@nic.in | Website: www.gpcpenvis.nic.in

Sustainable Solutions for Greener Planet

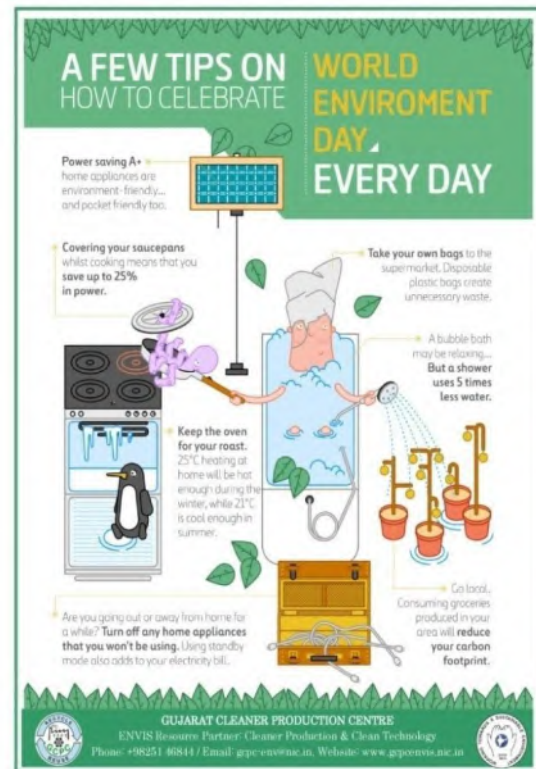


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ENVIRONMENTAL PROTECTION
Ways to Protect environment



GUJARAT CLEANER PRODUCTION CENTRE
ENVIS Resource Partner: Cleaner Production & Clean Technology
Phone: +91251 46644 | Email: gpcpenvis@nic.in | Website: www.gpcpenvis.nic.in



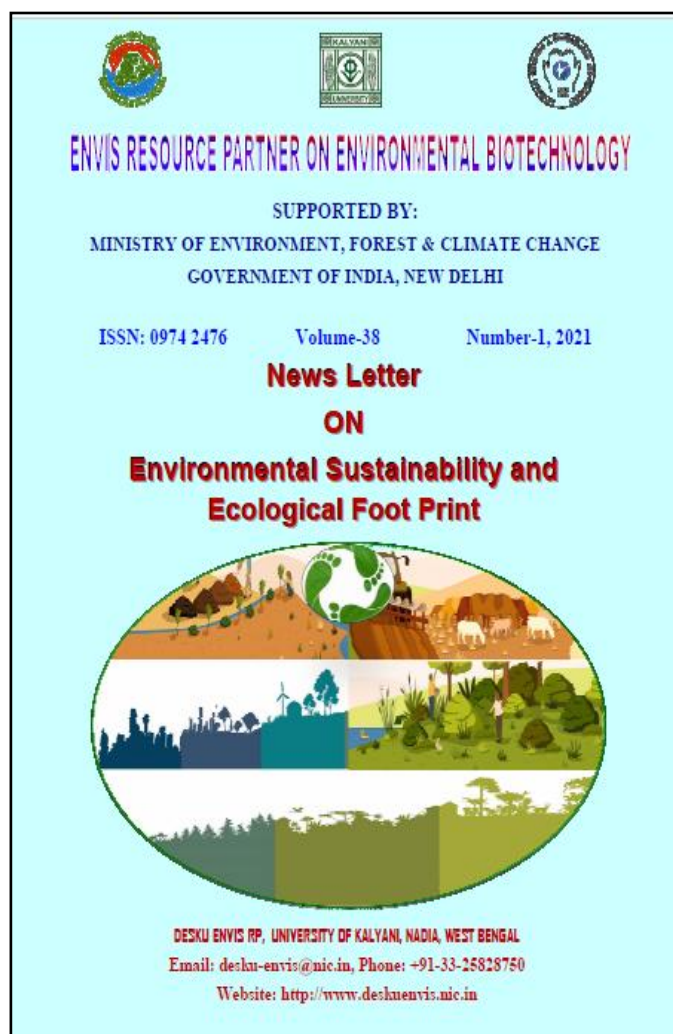
Various Posters released on this occasion

18. Department of Environmental Sciences (DES), Kalyani University

A) The DESKUENVIS Resource Partner on Environmental Biotechnology, University of Kalyani organized a webinar on: **Biologic Drugs and Biosimilar** on June 05, 2021 at 11:00 a.m.

The ENVIS-Coordinator at University of Kalyani, Prof Asoke P Chattopadhyay, welcomed the dignitaries, the speaker and the participants. The theme: **Ecosystem Restoration** through the efforts of **reimagine, recreate and restore** was mentioned. The webinar was inaugurated by the Hon'ble Vice Chancellor of University of Kalyani, Prof (Dr) Manas Kumar Sanyal, in the virtual presence of dignitaries and participants. He spoke on the need of environment restoration and the threats it faces today. Prof (Dr) Goutam Paul, Hon'ble Pro-Vice Chancellor, University of Kalyani, spoke on the topic, on environment, and further added the relevance of the webinar's topic in aiding ecosystem restoration. He also mentioned the efforts made by the scientist Alexander Fleming to the latest developments on developing drugs from biological entities. Prof (Dr) Keka Sarkar, Dean, Faculty of Science, stressed on the need to preserve the environment and the role of academicians, scientists and others for the same.

Dr Subhankar Sarkar, Deputy Coordinator of ENVIS-RP introduced the speaker: Dr Suman Bandyopadhyay, Head, Upstream Process Development, Dr. Reddy's Laboratories Ltd., Hyderabad. Dr Bandyopadhyay delivered a detailed lecture on Biologic Drugs and Biosimilars. He started his discussion on production of insulin, and also discussed regarding tocilizumab and other drugs. He delineated the differences between drugs and 'small molecule' drugs, in terms of their biological appendages (linked protein molecules etc.), biocompatibility, specificity (binding

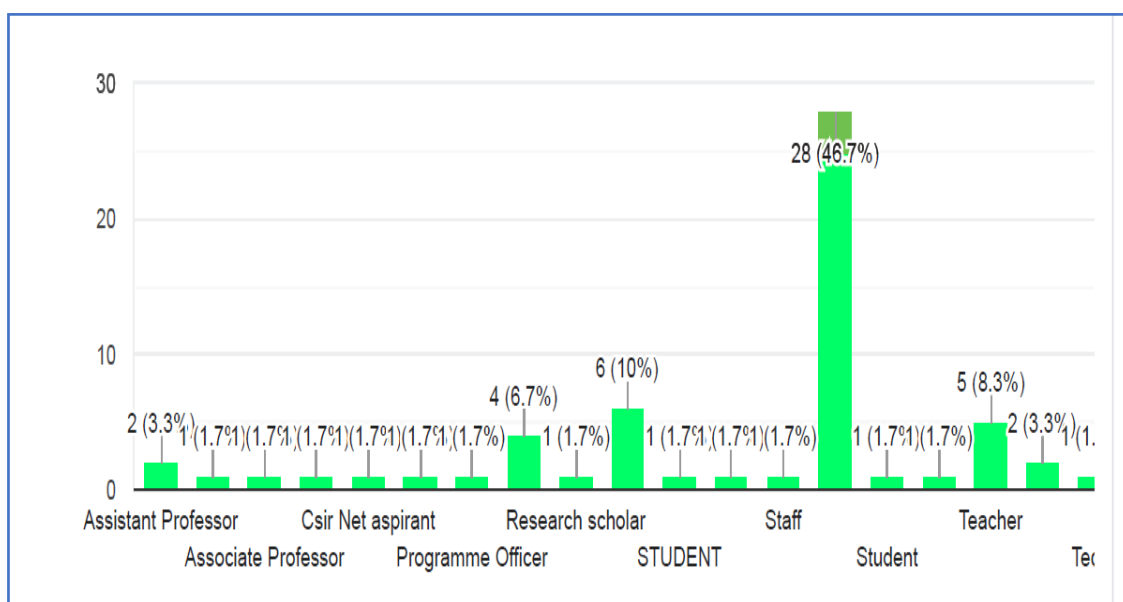
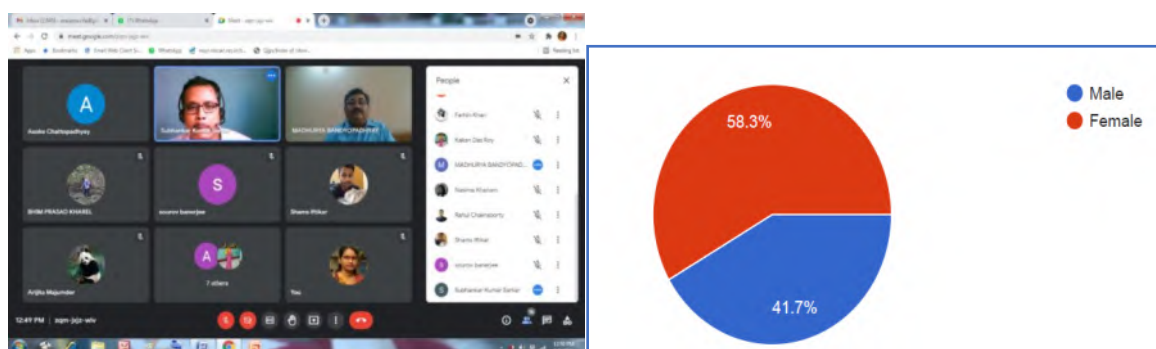


Newsletter

to specific sites in biomolecules), and other properties. Their mode of action was discussed in detail. He stressed on the testing and trial of these drugs at various phases, once they are formulated, and revealed their production scale-up from the laboratory bench to pilot scale leading to the final production unit. He also mentioned biosimilar drugs and the efforts of Indian drug manufacturers and researchers to produce pharmaceuticals at much reduced cost, patents and IPR issues, latest protocols regarding drug developments, and also discussed the use of artificial intelligence in development of pharmaceuticals.

Total **60 participants** attended the webinar: 58.3% female and 41.7% male (61% students of UG & PG and rest were academicians).

B) The ENVIS Newsletter on Environmental Sustainability and Ecological Footprint (ISSN:09742476, Vol-38, 1) was released by Prof (Dr) Manas Kumar Sanyal.



Webinar statistics and glimpses

19. School of Planning and Architecture (SPA)

SPA ENVIS RP on Human Settlements and their Impact on Environment organized an **Interactive Virtual Session** for school students towards the stream of Environmental Education on June 07, 2021. The session focused on the school students from classes 10-12. This virtual meet intended to assist the students in developing meaningful educational goals that would be consistent with their personal interests, values and abilities.

This meet was based on two basic principles:

Developmental Advising- Emphasizing on helping students to explore and select Environment and other as a subject as per the present scenario (especially for Pandemic and Human sustenance), career prospects, life goals, pathways, and develop problem-solving and decision-making skills.

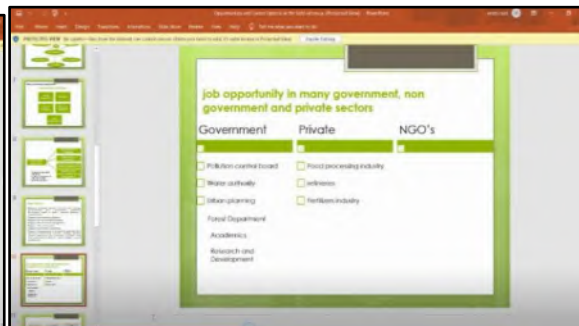
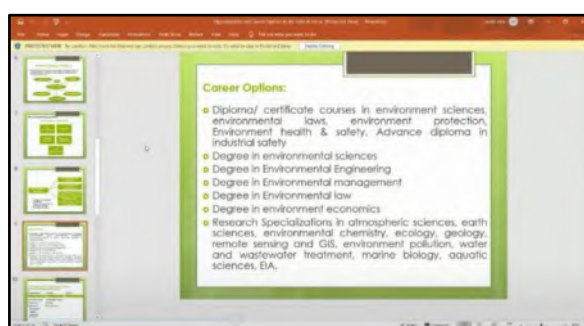
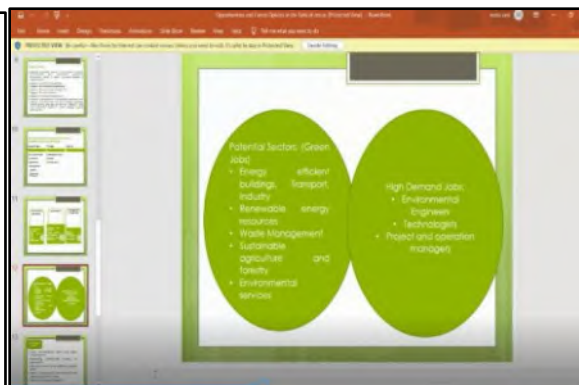
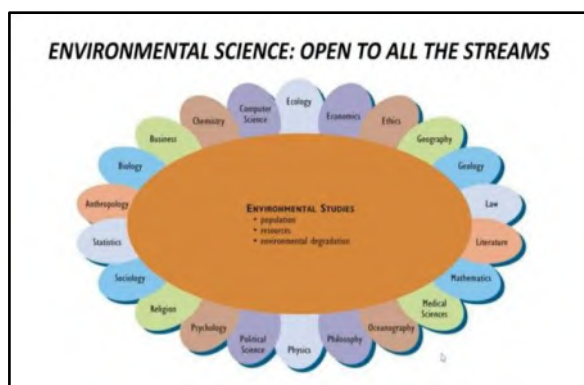
Inflexible Advising- Focusing primarily on providing students with information directly related to their academic program and progress made in past and present, such as academic policies, major/program requirements and course selection. Inflexible advising is normally initiated by the student as the goal of this approach is to address immediate questions to facilitate the student's progress through their academic program, rather than play a role in helping the student to form long-term goals beyond their academic pursuits.

Participating Schools were:

Sl. No.	School	Sl. No.	School
1	VidyaNiketan Public School Block F, Nanak Pura, MotiBagh, New Delhi	3	Darbari Lal D.A.V Model School BN Block, Shalimar Bagh, New Delhi
2	Darshan Academy Kirpal Ashram, Sant Kirpal Singh Marg Vijay Nagar, New Delhi- 110009	4	St. Mark's Girls Sr. Sec. School A Block, MeeraBagh New Delhi

Speakers for the Session:

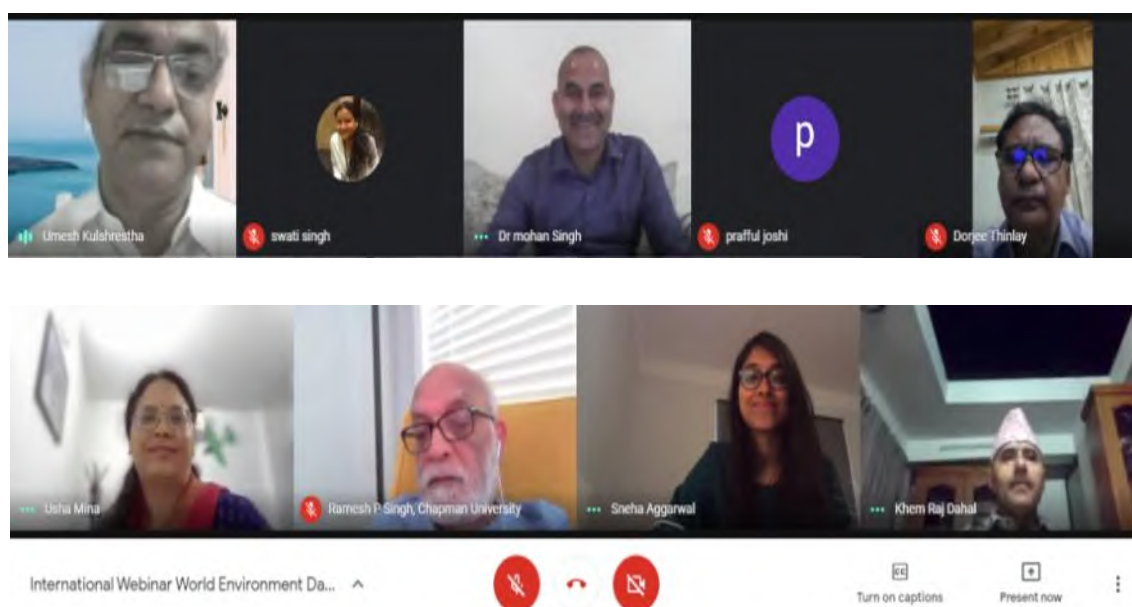
Sl. No.	Speaker	Sl. No.	Speaker
1	Prof.Dr.MeenakshiDhote Coordinator, SPA ENVIS RP and Head, Dept, of Environment PlanningSchool of Planning and Architecture, New Delhi	4	Dr.Kalidas Chaudhary Executive Director Greenindia Consulting Pvt.Ltd. Ghaziabad
2	Dr.FaiyaazKhudsar Scientist In-Charge Yamuna Biodiversity Park, New Delhi	5	Dr.Neetu Rani Assistant Professor School of Environment Management, GGSIPU
3	Dr.A.K.Haritash Associate Professor Deptt. Of Environment Engineering Delhi Technological University	6	Mrs. Monika Sachdeva PGT Biology and Academic Coordinator Darshan Academy School, New Delhi



Glimpses from the session

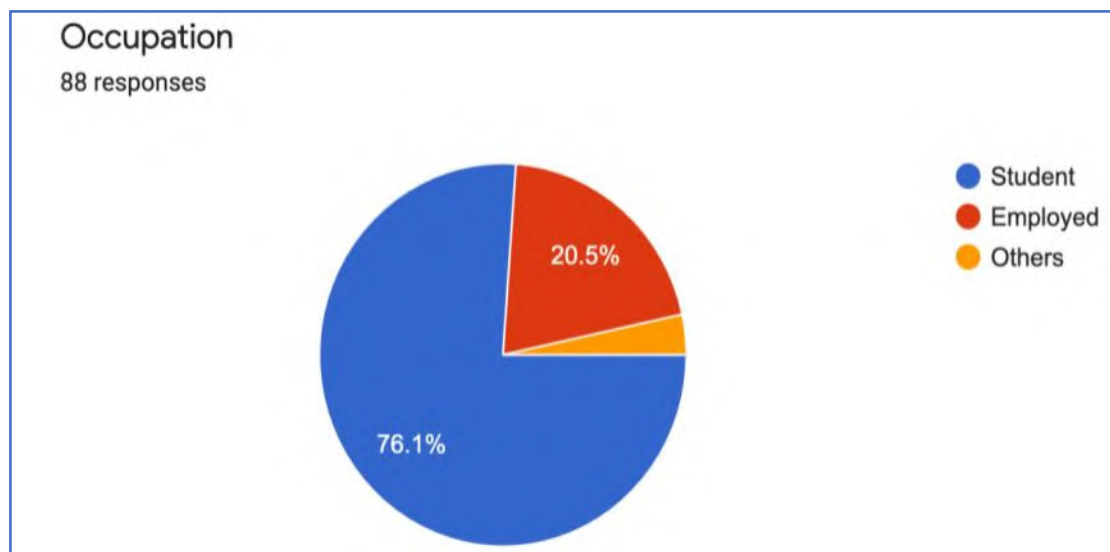
20. School of Environmental Sciences Jawaharlal Nehru University (JNU)

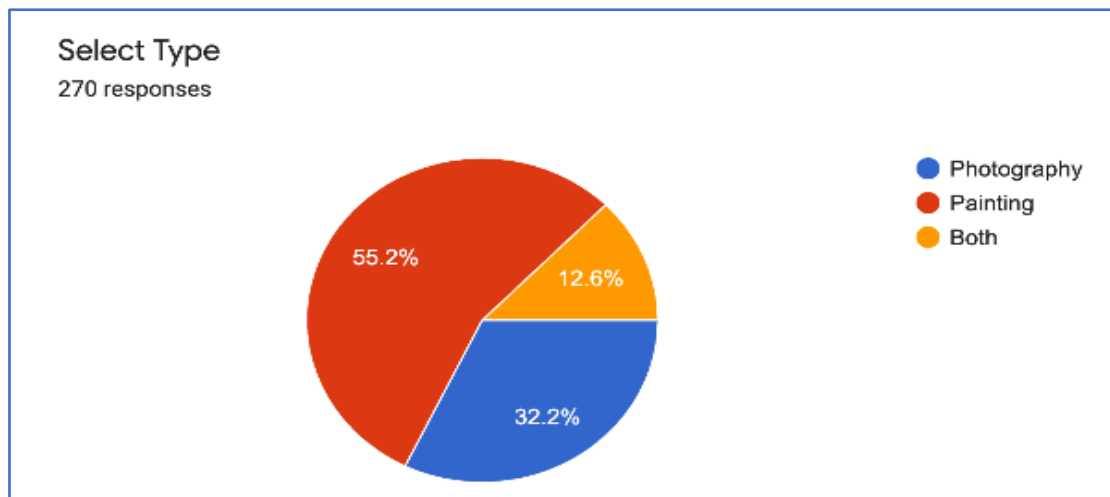
- A) A **Webinar** was organized on the theme: **Ecosystem Restoration** by the JNUENVIS Resource Partner in collaboration with ENVIS RP on Ecotourism, S C S & T, Sikkim and the Young Holistic (YoHo) group, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi (Fig. 1). The panel included eminent International and National researchers such as Prof R P Singh (Chapman University, USA), Prof T K Adhya (FNA, Dir & Prof., KIT, India), Dr A K Malhotra, (IFS, Ex. PCCF Jharkhand and Member EAC, MoEF&CC India) Dr Khem Raj Dahal (Tribhuvan University, Nepal), D T Bhutia (Director & ENVIS Coordinator, Dept. of SCS&T, Sikkim, India), Prof U C Kulshrestha (Dean SES & JNUENVIS Coordinator) and Dr Usha Mina, (Associate Professor & ENVIS Co-coordinator, SES, JNU). Young panelists Ms Sneha Aggarwal (Research Scholar, Stockholm University, Sweden) and Mr Meshak Moranga (Young Holistic leader) also addressed the meeting. Ms Swati Singh, Programme Officer, ENVIS, SES executed the programme. Professor Umesh Kulshrestha, (Dean SES & JNUENVIS Coordinator) moderated the panel discussion. The event was attended by more than 450 participants, through Google-Meet and Facebook Live platforms. The participants included university students, researchers, faculty members and other stakeholders both nationally and internationally.
- B) An **Online Contest: Photography & Painting** was organized by JNUENVIS RP in collaboration with ENVIS RP Sikkim on Ecotourism on the theme: **Ecosystem Restoration** (Fig. 2).



Webinar Schedule: World Environment Day 2021 THEME: ECOSYSTEM RESTORATION DATE : JUNE 05, 2021 TIME: 05:00 PM - 07:00 PM IST	
Speakers	Time
Welcome Address by Prof. U.C. Kulshrestha ENVIS Coordinator/Dean, SES, JNU, India	05:00 PM - 05:10 PM
Prof. R. P. Singh , Chapman University, USA	05:10 PM - 05:25 PM
Prof. T. K. Adhya , FNA. Director, South Asia Nitrogen Center & Prof., KIT, Bhubaneswar, India	05:25 PM - 05:40 PM
Dr. A. K. Malhotra, IFS (Retd.) Ex. Principal Chief Conservator of Forest, Jharkhand & Member EAC, MoEF&CC India	05:40 PM - 05:55 PM
Dr. Khem Raj Dahal , Tribhuvan University, Nepal	05:55 PM - 06:10 PM
D.T. Bhutia , Director cum Coordinator - ENVIS RP on Ecotourism, Dept. of Science & Technology, Govt. of Sikkim, India	06:10 PM - 06:25 PM
Dr. Usha Mina , SES, JNU - ENVIS Co-coordinator, India	06:25 PM - 06:35 PM
Ms. Sneha Aggarwal , Research Scholar, Stockholm University, Sweden	06:35 PM - 06:45 PM
Mr. Meshack Moranga , YoHo Lead & Student, SES, JNU	06:45 PM - 06:55 PM
Vote of thanks by Ms. Swati Singh Programme Officer, JNU ENVIS RP	06:55 PM - 07:00 PM
<p><i>Organized by:</i> JNU ENVIS Resource Partner on Geodiversity & Impact on Environment School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, INDIA</p> <p><i>In Collaboration with:</i> ENVIS Resource Partner on Ecotourism, Sikkim State Council of Science & Technology Department of Science & Technology, Vigyan Bhawan, Deorali, Gangtok, Sikkim, INDIA</p> <p>Ministry of Environment, Forest & Climate Change, Govt. of India, New Delhi</p>	

Fig. 1









SHORT VIDEO

FOLLOW THE STEPS



WORLD ENVIRONMENT DAY 2021

Theme : Ecosystem Restoration

COVID-19 has restricted us from celebrating WED like we used to. But we have come up with an idea.

Will you be a part of this World Environment Day 2021 with us?

if you are interested!!!

CHECK RIGHT SIDE TO PARTICIPATE

Let's restore our ecosystem

Organised by:

ENVIS Resource Partner Sikkim on Ecotourism
State Council of Science and Technology, Sikkim
Department of Science and Technology,
Vigyana Bhawan, Deorali, Sikkim - 737302

- Select an activity for your video story.
- Record a short video from your home.
- Mention COVID - 19 Problems in the video.
- Video length should be 10 - 20 seconds.
- Record your video in Landscape mode.
- Put something about your activity in the video.
- Put something about WED 2021.
- Send your video to: enviscetourism@gmail.com
- Mention your name, state, address, contact, profession.
- Send your Video by 5th June 2021.
- Check the Final Video in Government Website.

SELECT AN ACTIVITY FROM THE LIST

- Reduce | Recycle | Reuse
- Waste Segregation
- Plantation
- Hygiene
- Yoga in Nature
- Preserve Wetlands
- Biodiversity
- Protect Forest

In Collaboration with:

JNU ENVIS Resource Partner on Geodiversity & Impact on Environment
School of Environmental Sciences
Jawahar Lal Nehru University, New Delhi - 110067

CHECK THE FINAL VIDEO HERE

<https://www.environmentindia.org/> | www.ecotourismindia.org/ | www.jnuenvis.org/

CONTACT

enviscetourism@gmail.com | <https://www.facebook.com/shortvideoenviscetourism/>

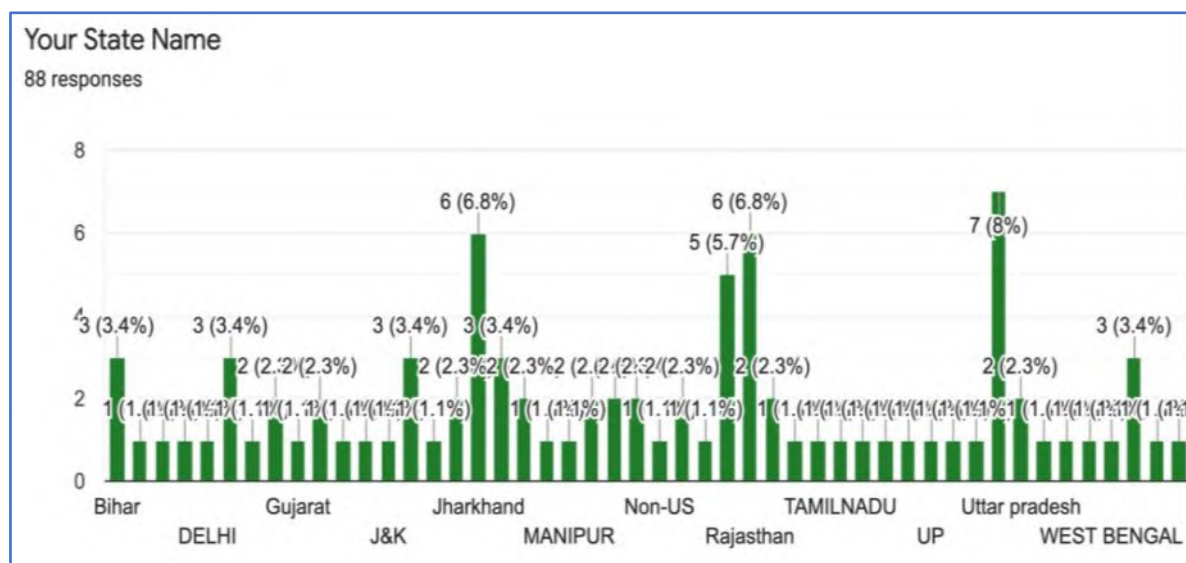


Fig. 2

21. Environment Protection Training and Research Institute (EPTRI)

- A) Environment Protection Training and Research Institute (EPTRI) along with Telangana State Pollution Control Board (TSPCB) organized a series of **virtual events and webinars** from 27th May to 5th June, 2021, on the theme: **Ecological Restoration - Reimagine, Recreate, Restore**. Chief Guest-Sri Allola Indrakaran Reddy-Hon'ble Minister for Environment, Forest, Science & Technology, Law and Endowments, Government of Telangana-emphasized on the protection of forests, and he stated that the plantation program under the Haritha Haram increased the green cover by 4% in Telangana. He further added that the Kaleshwaram project, flagshipged by the Government of Telangana, has increased the agricultural sector growth and ground water recharge, which he advocated to be a part of restoring of the ecosystem.

Sri Adhar Sinha- IAS, Spl. Chief Secretary to GoTS, and Director General, EPTRI- highlighted the importance of ecological restoration and the role of EPTRI towards restoration of the environment.

Smt. Neetu Prasad, IAS, Member Secretary, TSPCB, emphasised the need of ecosystem restoration and the importance of maintaining ecological balance.

The Guest of Honour, Dr. Rajat Kumar- IAS, Special Chief Secretary to Government of Telangana, I&CAD Department, Environment, Science & Technology Department- highlighted on the Sustainable Development Goals (SDGs). He also highlighted the projects of Kaleshwaram, Haritha Haram and the progress made by the Telangana State Govt.

The virtual meeting was attended by the officials of TSPCB, NITHM, ASCI, ISB, MA&UD, and professors from various universities. Around **300 students participated**.

- B) **E-posters, E-stickers** were released and various activities, like establishment of Herbal Garden, Plant Tissues Culture lab, Laboratory Information Management System, and Restoration of Drinking Water Supply were done at EPTRI.



22. Institute of Forest Genetics and Tree Breeding (IFGTB)

- A) The ENVIS Resource Partner on Forest Genetic Resources and Tree Improvement at the Institute of Forest Genetics and Tree Breeding, Coimbatore marked the World Environment Day digitally through **Facebook Live** on June 05, 2021.

The event began with an invocation on nature, **PrakrutiVandanam** based on Yajur Veda, composed and sung by Dr Kannan CS Warriar, Scientist F and ENVIS Coordinator. During his introductory remarks, Dr Warriar spoke on the current year's theme: **Ecosystem Restoration**. He stated that between present and 2030, the restoration of 350 million hectares of degraded terrestrial and aquatic ecosystems could generate US\$9 trillion (65.16 lakh crores) in ecosystem services. Restoration could also remove 13 to 26 giga tons of greenhouse gases from the atmosphere. The economic benefits of such interventions exceed nine times the cost of investment, whereas inaction is at least three times more costly than ecosystem restoration.

Dr C Kunhikannan, Director IFGTB inaugurated the programme and highlighted that ecological restoration aims to recreate, initiate, or accelerate the recovery of a disturbed ecosystem. He added that restoration activities may be designed to replicate a pre-disturbance ecosystem or to create a new ecosystem. Dr Kunhikannan emphasised that the practice of ecological restoration includes erosion control, reforestation, removal of non-native species and weeds, re-vegetation of disturbed areas, daylighting streams, reintroduction of native species, as well as habitat and range improvement for targeted species. The Director also highlighted on the preparation of Detailed Project Reports for rejuvenation of 13 major rivers in India by the Indian Council of Forestry Research and Education. He urged that environmental protection is an individual and personal responsibility for all human beings since we are all part of the biosphere.


- B) A **Painting Competition** on the theme: **Environment** was organized for people from different walks of life and individuals from different parts of the world participated in the competition. A total of 156 unique painting photographs were received and they were scrutinized by the Chief Jury, Dr John Prasanth Jacob, Scientist G and Head, Forest Protection Division. Director Dr C Kunhikannan announced the results of the same.



Among the participants Shri TanujSamaddar, S. E. R. S. Public School, Assam; Shri Muneeswaran V, Erode; and Ms Deepshikha De, Noida bagged the first, second and third prizes respectively. Consolation prizes were awarded to Ms Anshika Jain, Uttar Pradesh; Ms NisaTandon, University of Calcutta; Shree Pradesh VellM.U, SonaCollege of Arts and Sciences; and Shri Kumar Arijit Mishra, Odisha.

- C) A **Poster** highlighting the current year's theme was released and digitally transmitted to students and all other stakeholders. The digital event can be accessed at <https://bit.ly/2Rn1skl>.



Glimpses of the Facebook Live session









ENVIS Resource Partner on Forest Genetic Resources and Tree Improvement
Institute of Forest Genetics and Tree Breeding
 Ministry of Environment, Forest and Climate Change (Indian Council of Forestry Research & Education)
 P.B.No. 1061, Forest Campus, R.S.Puram PO, Coimbatore - 641 002

WORLD ENVIRONMENT DAY 2021

Theme: “Ecosystem Restoration”

Ecosystem restoration means assisting in the recovery of ecosystems that have been degraded or destroyed, as well as conserving the ecosystems that are still intact. Healthier ecosystems, with richer biodiversity, yield greater benefits such as more fertile soils, bigger yields of timber and fish, and larger stores of greenhouse gases.

Ways to Restore Ecosystem

<div style="background-color: #4b0082; color: white; padding: 5px; font-weight: bold;">Forests and Trees</div> <ul style="list-style-type: none"> Plant trees Assist natural regeneration Restore Forest landscapes 	<div style="background-color: #4b0082; color: white; padding: 5px; font-weight: bold;">Rivers and Lakes</div> <ul style="list-style-type: none"> Clean it up Regular access Restore vegetation 	<div style="background-color: #4b0082; color: white; padding: 5px; font-weight: bold;">Towns and Cities</div> <ul style="list-style-type: none"> Green public spaces Practice sustainability Manage micro-ecosystems 
<div style="background-color: #4b0082; color: white; padding: 5px; font-weight: bold;">Oceans and Coasts</div> <ul style="list-style-type: none"> Clean up Restore vegetation above and below the water Use the ocean wisely 	<div style="background-color: #4b0082; color: white; padding: 5px; font-weight: bold;">Farmlands and Grasslands</div> <ul style="list-style-type: none"> Invest in nature Allow sustainable grazing Bring back indigenous species 	<div style="background-color: #4b0082; color: white; padding: 5px; font-weight: bold;">Mountains</div> <ul style="list-style-type: none"> Restore forest shields Limit extraction and excavation Let ecosystems migrate 

Ecosystem restoration can take many forms: Growing trees, greening cities, rewilding gardens, changing diets or cleaning up rivers and coasts.

We are the generation that can make peace with nature

Poster

23. Thiagarajar College of Engineering (TCE)

A) The TCEENVIS RP at Thiagarajar College of Engineering, Madurai released a **Poster** on this occasion (Fig. 1).

B) **Webinar** on the topic: **Ancient Nanomaterials: The Environment Saviour** was conducted on June 05, 2021 (Fig. 2). It was presented by Dr M Mahendran, PhD, FASCH, Head of Physics, Thiagarajar College of Engineering. This webinar enlightened the different ideas to be followed for an ecosystem restoration by following ancient methods and materials. The speaker also highlighted the major practises followed by our forefathers in maintaining a healthy ecosystem. A second webinar on the topic: **Tamil Ecosystem Restoration** was conducted on June 07,



Fig. 1

2021 (Fig. 3). It was presented by Dr G Balaji, Professor, Dept of Architecture, Thiagarajar College of Engineering. This webinar conveyed to the younger generations regarding our old heritage which had maintained the ecosystem without any problems to the survivors of the ecosystem, and it also explained the various methods followed in restoring the water ecosystem within land area.

The speaker also explained the nature's role in maintaining the ecosystem of any region, ranging from mountains to oceans.

TCE ENVIS RP & TCE NSS

Thiagarajar College of Engineering, Madurai



AWARENESS WEBINAR on

World Environment Day

Ancient Nanomaterials: The Environment Savior

5 June 2021

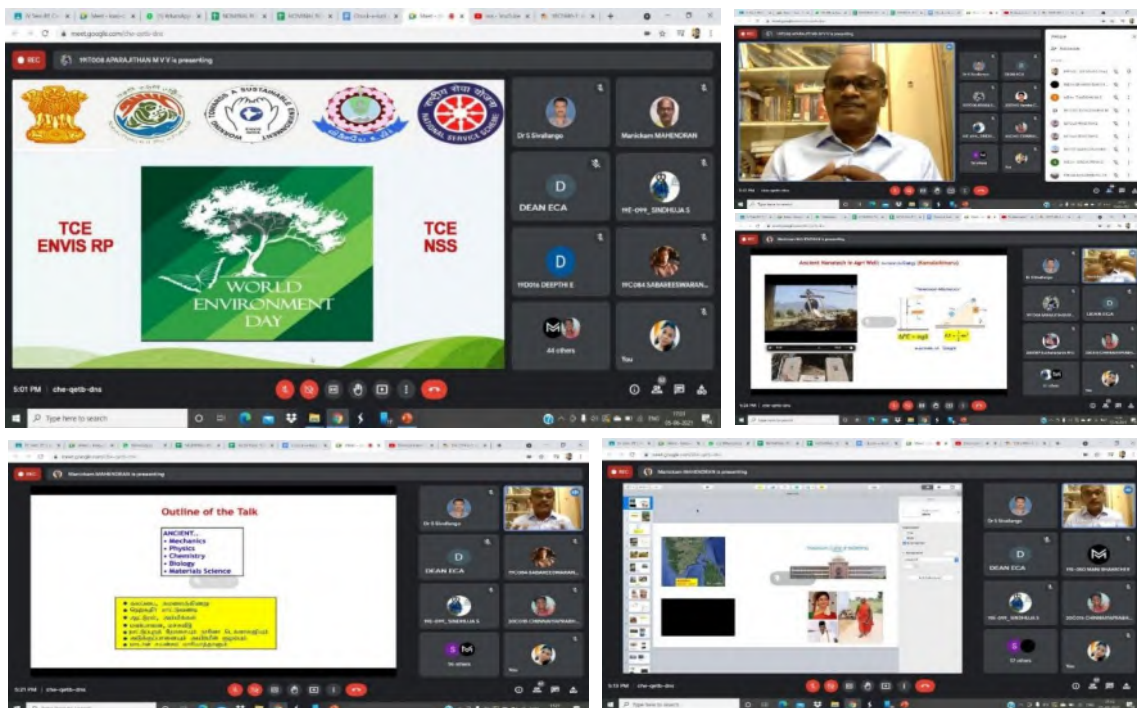
Gmeet Link: <http://meet.google.com/che-qetb-dns>



Speaker:
Dr. M Mahendran, Ph. D., FASCH
Head of Physics,
Thiagarajar College of Engineering

Date: 05.06.2021
Time: 05:00 PM

Fig. 2



Thiagarajar College of Engineering, Madurai

WORLD ENVIRONMENT DAY 2021

WEBINAR

"Tamil Ecosystem Restoration"

ONLINE SPEAKER

Dr. G. Balaji,
Professor, Dept of Architecture,
Thiagarajar College of
Engineering, Madurai.

Date: 07.06.2021
Time: 02:15 to 03:15 PM

The theme of World Environment Day this year is 'Reimagine. Recreate. Restore'. "Ecosystem restoration means preventing, halting and reversing the damage- To go back from exploiting nature to healing it"

On the occasion of World Environment Day, let us pledge to work hard in making Earth a greener and healthier place to live.

Connect Via Gmeet <https://meet.google.com/wkv-obzm-ggy>

www.tceenvvis.in

Funded by Ministry of Environment, Forest & Climate Change, Govt. of India

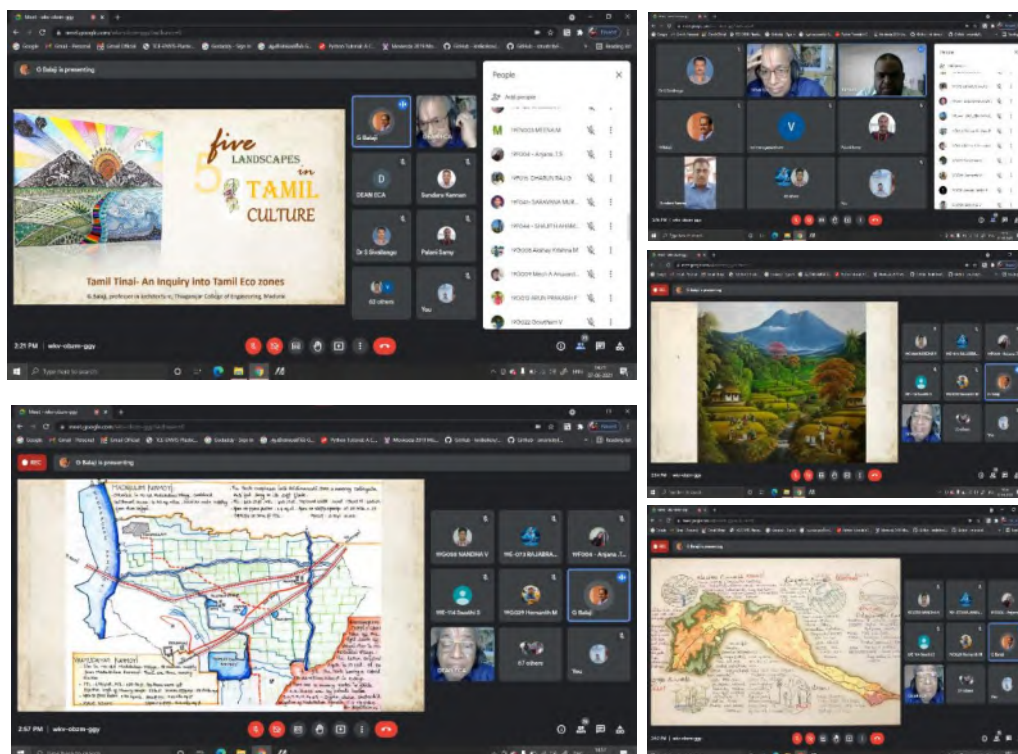


Fig. 3

24. Institute for Wildlife Sciences (IWS), University of Lucknow

- A) The ENVIS-RP, IWS, University of Lucknow organized an event of **tying offriendship bands to the trees in the gardens**(Fig. 1). Students and Employees of the University of Lucknowtied friendship bands to trees like Mango, Kadamb, Bel, Harshringar, Kachnar,etc.General masses sent their selfie with trees holding friendship bands and shared on various social sites like Facebook, Instagram, Twitter, WhatsApp, etc. Best selfie will be felicitated by University of Lucknow.
- B) Various competitions like **PostermakingandCollagemaking**were organized online (Fig. 2, 3).
- C) On this occasion, plantation of **TirthankarVatika**(planting of Kevali trees of Jain Tirthankaras) was done at ChandraShekhar Azad Girls Hostel (Fig. 4). There are 24 Tirthankaras in every Chakra (specific period) of Jainismout of which 18 have been born in Uttar Pradesh. In the light of penance, all the Tirthankaras received pure knowledge (knowledge only) under the shade of some tree. Therefore, these trees are called Kevali trees in Jainism. In the present Chakra, the Kevali tree of some Tirthankaras are as follows: -Rushabhanath (Bargad tree), AjitNath (Chitvan, Saptaparni), SambhavNath (Sal), Pushpadant (Baheda), Sheetalnath (Bel), Vasupujya (Kadamba), Vimalnath (Jamun) AnanthNath (Peepal), ArahNath (Mango) Mallinapath (Ashoka), MunisuvratNath (Champa) Naminath (Maulashree) Neminath (Bsmboo) etc. Kevali trees like Banyan, Saptaparni, Sakhu, Bel, Kadamb, Jamun, Bamboo etc. were planted by the Honorable Vice Chancellor Prof.Alok Kumar Rai at Chandrashekhar Azad Women's Hostel. The construction of the said TirthankarVatika not only patronized the traditional heritage of India but also made an effort to inform the students about the Kevali trees.

Fig. 1

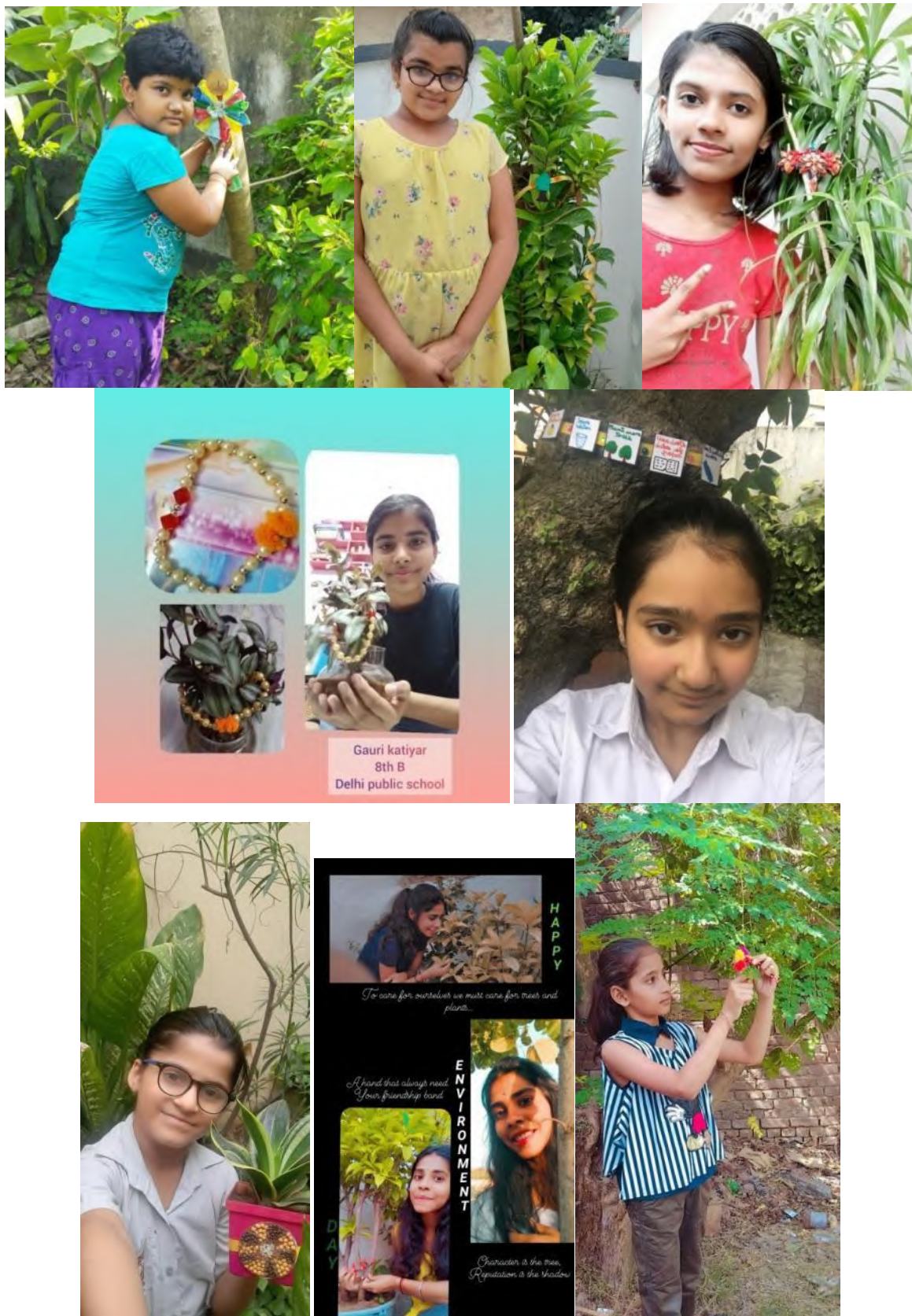


Fig. 2



Fig. 3



Fig. 4



लविवि में पौधारोपण करते हुए कुलपति प्रो.आलोक कुमार राय • सौजन्य: लविवि



ENVIS

NGO Resource Partners

(Subject Specific)

25. The Energy and Resources Institute (TERI)

The TERI ENVIS Resource Partner celebrated this occasion from June 04-05, 2021. The events included:

- A) An Essay Writing and Impromptu Speech Competition (Age Group 11-14 years), Poster Making and Slogan Writing Competition (Age Group 7-10 years)** were organized (Fig. 1). The programme started with a brief session overview by Ms Pallavi Shukla, Senior Program Officer, TERI ENVIS and then welcome address was delivered by Dr P K Bhattacharya, Senior Fellow, Associate Director & ENVIS Coordinator, TERI. Around 20 posters with slogan and **25** essays were received. The jury selected three best posters and 10 best essays for the impromptu speech competition. Selected Students were informed beforehand to prepare on the selected sub-themes which were:
- Recycle and Reuse
 - Water Conservation
 - Waste Management

The students were given topics from the above subthemes for their on the spot speech by the webinar host. The session was judged by Ms Sushmita Ghosh, Senior Editor, TERI and Ms Muskaan Johri, Assistant Editor, TERI. After the impromptu speech, a virtual quiz competition for all the participants was organized. The quiz was conducted by Ms Saloni Priya, Data Entry Operator, TERI ENVIS on various single choice questions on the theme ecosystem restoration. Three Winners were announced in each category that included Essay writing competition, Impromptu Speech Competition and Poster making along with slogan writing competition at the end of the session. Certificates of merit and certificates of participation were then distributed to the winners and the participants respectively. The programme ended with Vote of Thanks by Ms Pallavi Shukla, Senior Program Officer, TERI ENVIS.

- B) ENVIS Resource Partner on Renewable Energy and Climate Change at TERI (The Energy and Resources Institute, New Delhi), a member of ENVIS Network and Ministry of Environment, Forest and Climate Change organized a webinar on this occasion on the topic: **Green Skill Development Training during Covid19: Present Scenario, Opportunities & Impacts of Training**, on June 05, 2021 (Fig. 2).** The webinar aimed at interaction between the industry experts and the GSDP students. Some of the students shared their case studies and success stories.

The webinar was facilitated by the eminent speakers from various sectors like industry experts, academicians. The list of faculties included:

- Mr Amit Kumar, Sr. Programme Director, Social Transformation TERI

- Dr P K Bhattacharya, Senior Fellow, Associate Director, ENVIS Coordinator, TERI
- Prof Arun Kumar, Professor, Hydro and Renewable Energy Department (formerly AHEC) Indian Institute of Technology, Roorkee
- Ms Pallavi Shukla, Senior Program Officer, TERI ENVIS
- Mr AkifFarooqui, Manager, Rural Energy & Livelihood division, TERI

Industry experts included:

- Mr Manoj Kumar - M/s Luminous Technology
- Mr Rahul Talreja - Free spirit labs
- Mr Vikrant Aggarwal - Ms Radsol Energy Solution

The GSDP student alumnus who shared their success stories and motivated the participants included:

- Mr Pradeep Joshi (GSDPAlmora, Uttrakhand batch) .
- Mr Pradeep Adhkari (GSDPRanikhetUttrakhand batch)
- Ms Poonam Devi, (GSDP Gaya, Bihar batch)
- NafisaKhatoon from JEEViKA Women Initiative Renewable Energy and Solutions (J-WiRES) (GSDP Bihar batch)
- Mr Kumar Nagmani, Entrepreneur (GSDP Purnia, Bihar batch)

The webinar started with the Welcome Address and the introduction of ENVIS scheme and GSDP programme. The panellists and participants were also introduced to the objectives and achievements of these programmes. A brief background was provided to the participants in the beginning of the webinar.

The session overview and co-ordination were done by Ms Pallavi Shukla, Senior Program Officer, TERI ENVIS. The welcome address was given by Mr Amit Kumar, Sr Director, Social Transformation and Knowledge Management, TERI where he highlighted the need of skill training.

The next panelistDr P.K Bhattacharya, Associate Director, TERI focused on the successful GSDP Trainings conducted till now & its impact.

There was a special address by Prof Arun Kumar, Hydro and Renewable Energy Department (formerly AHEC) Indian Institute of Technology, Roorkee who shared the importance of trainings and guided the students.

In later part of the webinar, the GSDP student alumnus shared their success stories, how the training benefitted them in acquiring job and in opening their business and becoming entrepreneurs.

Due to COVID 19 pandemic, students have faced difficulty in finding work. Industry experts focused on impact of COVID-19 in the solar industry & current job opportunities available in solar industry for the students. They discussed on the current industry scenario and shared their business achievements in the COVID-19 era. Participants' queries were answered by the panelists and the industry experts. Session was concluded by Ms Pallavi Shukla, Senior Program Officer, TERI ENVIS.

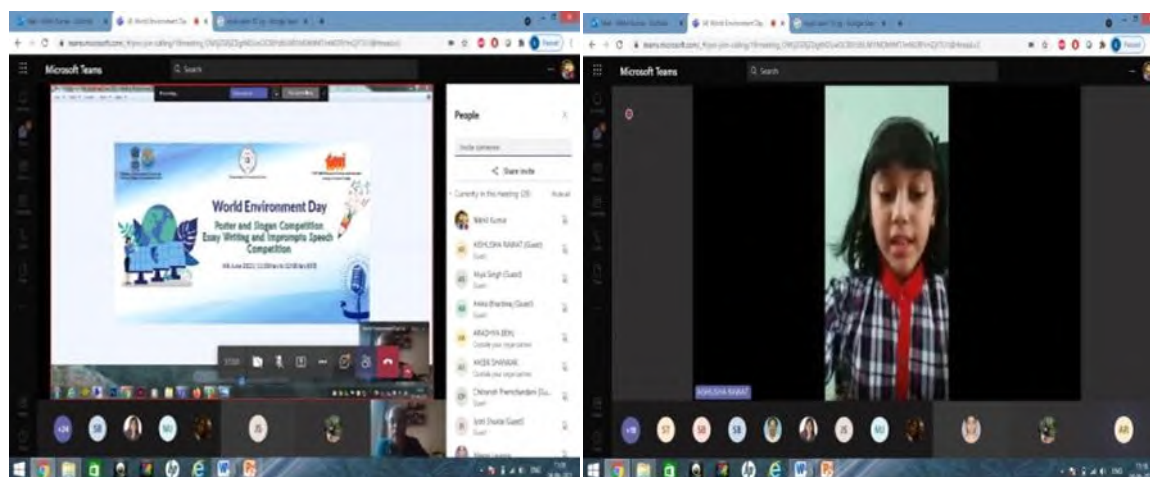


Fig. 2

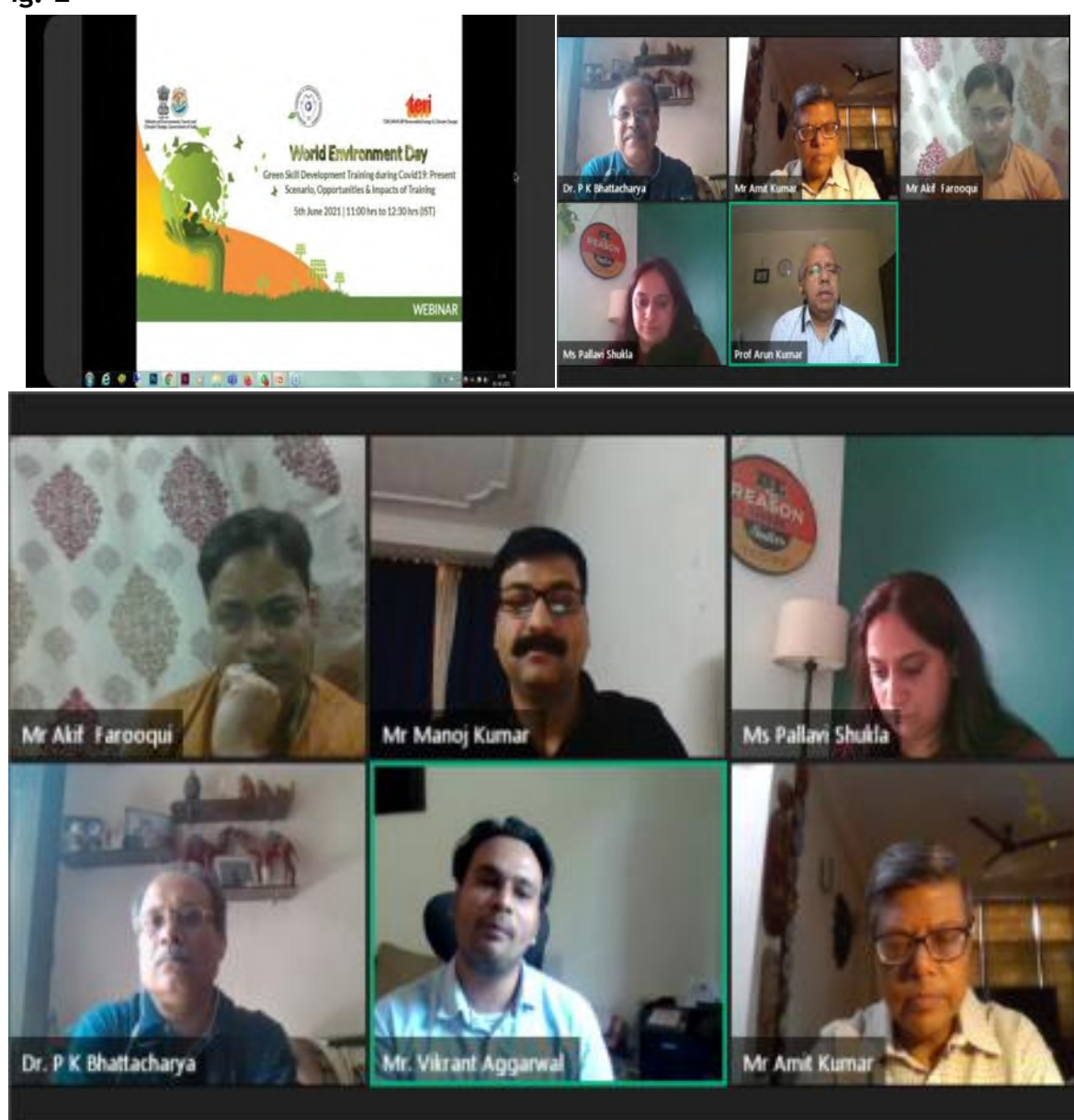


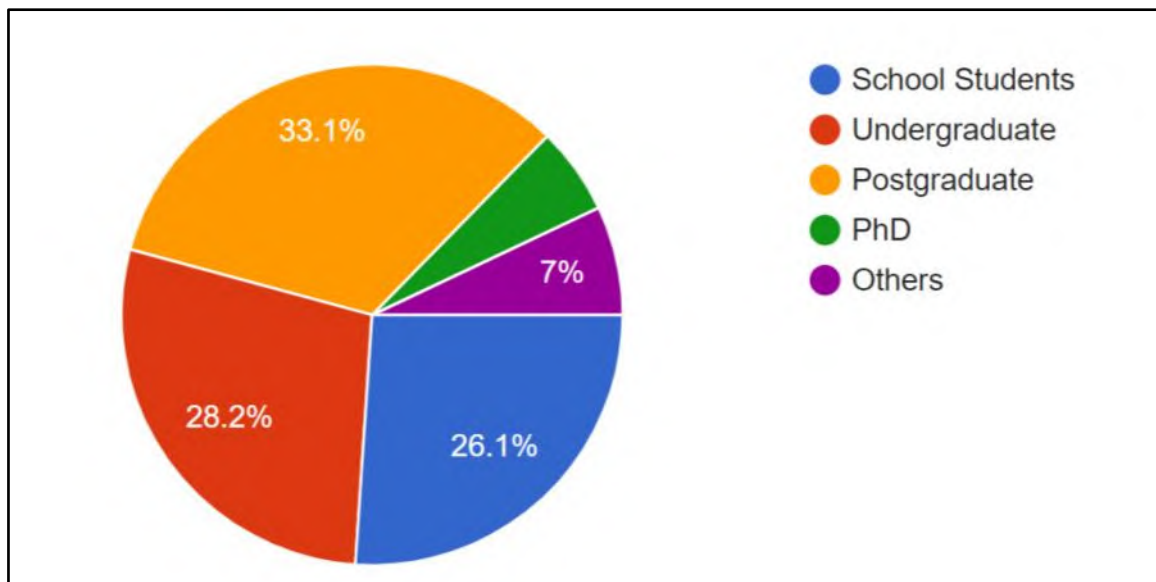
Fig. 1

26. World Wide Fund for Nature - India (WWF)

- A) The WWF ENVIS RP celebrated this occasion under the guidance of Dr G. Areendran, Coordinator, WWF ENVIS RP. The event titled **#LetsHelpOurPlanetBreathe** was organized, in which the participants registering for the event were asked to upload their video messages pertaining to the theme through the Google form that was created and circulated. Total **142 participants** registered for the event, which included: school students, undergraduate and postgraduate students, PhD scholars, professors, and general public. Over 35 videos were received and uploaded on the YouTube.
- B) A **Webinar** was organized as well as live streamed on the YouTube channel. Dr. G. Areendran, Coordinator ENVIS & Director IGC MC welcomed all the panellists and attendees for the event.
- Shri Nishant Verma (IFS, Chief Conservator of Forests/General Manager, Forest Department, Government of Uttarakhand) spoke about the biodiversity of Uttarakhand, need for urban biodiversity, need for community driven interventions. And how people along with various government organizations can work towards ecosystem restoration.
 - Dr Sandeep Chauhan (Scientist In-Charge, Botanic Garden of Indian Republic, Ministry of Environment, Forest and Climate Change)
 - Prof. Benidhar Deshmukh (School of Sciences, Indira Gandhi National Open University, New Delhi) shared his experience as a geoscientist. He spoke about the need for community-based initiatives and efforts as well as the need to continue celebrating this every year. He also mentioned that the youth needs to be trained for implementing successful ecosystem restorations.
 - Dr Pamposh (Assistant Professor, University School of Environment Management, Guru Gobind Singh Indraprastha University) highlighted biodiversity conservation and reduction in our impact to restore the ecosystem. She said the issue of climate change and ecosystem restoration can be solved if we unite and think.
 - Dr Susmita Shukla (Associate Professor, Centre for Plant and Environmental Biotechnology, Amity Institute of Biotechnology, Amity University) stated the need to restore and conserve in germ plasm and as seed banks. She mentioned that callus development in labs would aid the species to thrive in the natural environment.

Total of **109 participants** attended the event hosted through Zoom application and 167 people viewed the session through YouTube. Around 70.6% of the participants were very much benefitted from the webinar and

97.2% of the participants would like to reconnect with WWF ENVIS RP for future webinars and training sessions.

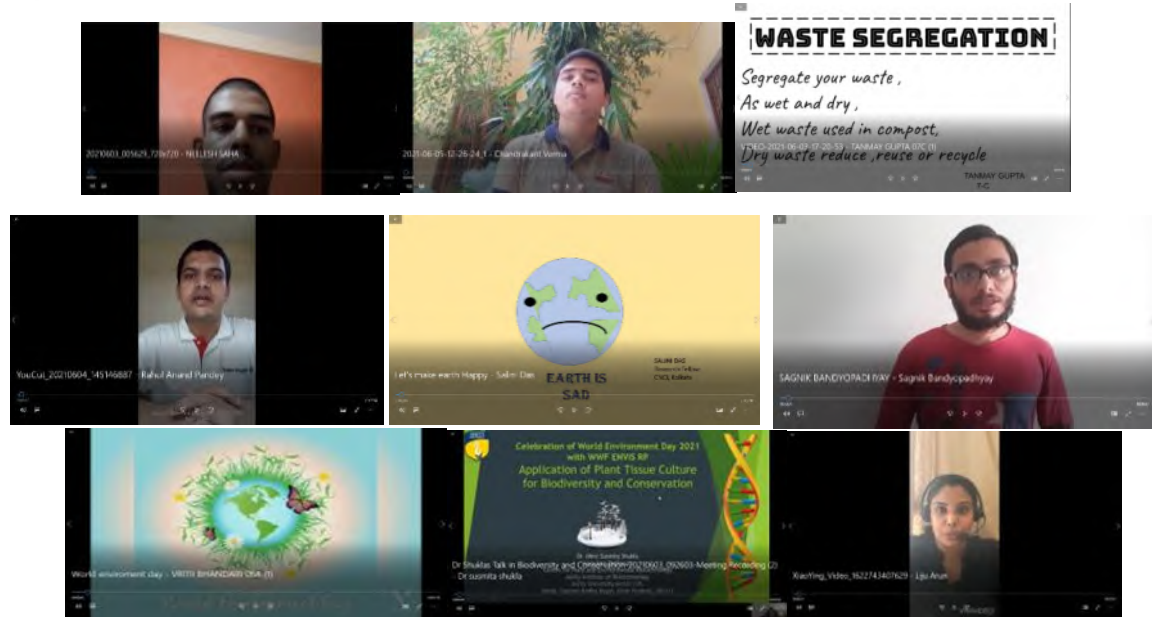


Glimpses of the Webinar and a pie-chart depicting the proportion of qualification of Attendees

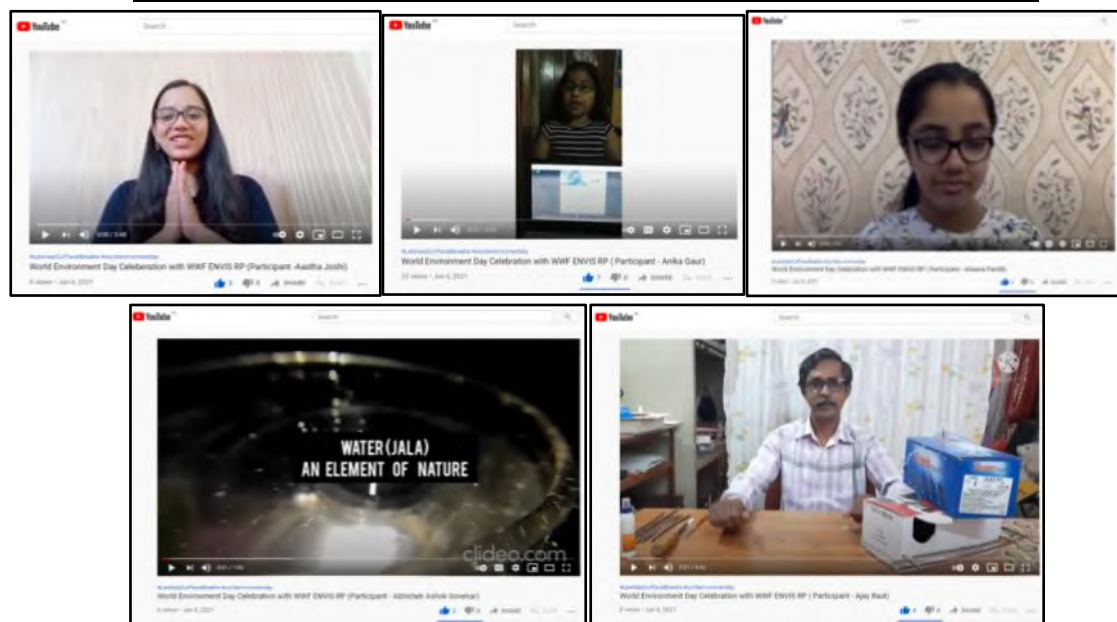
Images of the selected videos received under #LetsHelpOurPlanetBreathe



YouTube Link: <https://www.youtube.com/channel/UCaEilyb-qIAjOVTCbQpY1QQ>

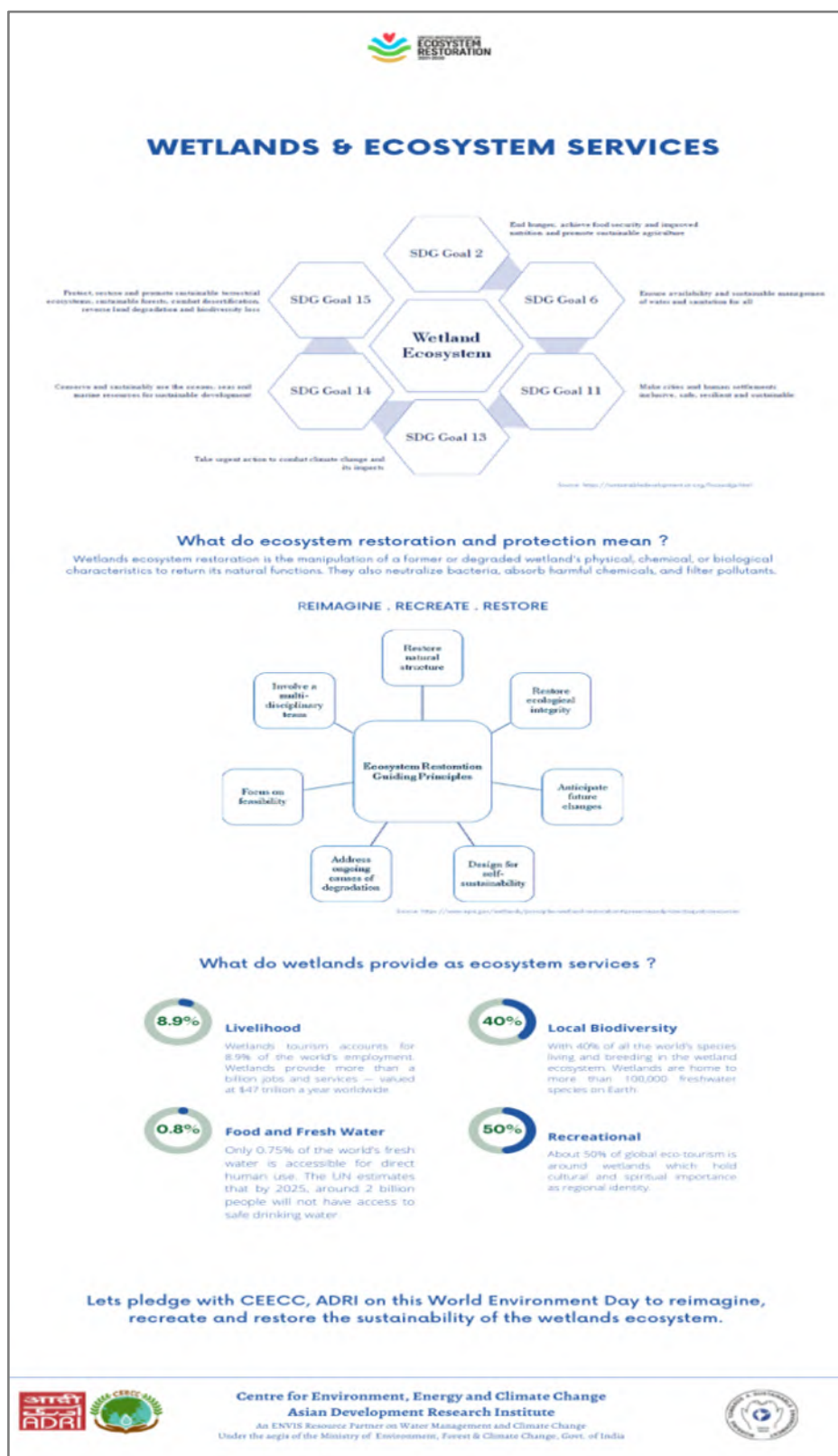


Thumbnails of few uploaded videos on the YouTube channel



27. Asian Development Research Institute (ADRI)

On this occasion of World Environment Day-2021 ENVIS RP at ADRI released an Infographic Poster.



28. Bombay Natural History Society (BNHS)

- A) The ENVIS RP at Bombay Natural History Society, Mumbai organized a **Webinar** on the topic: **Conservation of Threatened riverine birds in Odisha**. It was presented by Dr Subrat Debata (Scientist A, BNHS) on June 04, 2021 (Fig. 1, 2). This event was attended by 113 participants, where they were provided information on all the riverine birds species found along the Mahanadi river. He also highlighted the breeding behaviour and the conservation status of the threatened species which included Indian Skimmer *Rynchops albigollis*, River Tern *Sterna aurantia*, etc. He mentioned the dangers these birds were prone to and the efforts made by the scientists as well as the public for their remediation. The session received enthusiastic queries that were deftly handled by the expert. This event was extensively promoted via the MoEF&CC social media platform.
- B) An online quiz competition on the topic: **Bird Identification** was organized via the Google form, which had garnered **7761 student** and amateur birdwatcher participations from all over India with a few responses were from other countries too. Fig. 3 shows a chart with responses received from India.
- C) A poster on the theme: **Ecosystem Restoration** was released on June 05, 2021 (Fig. 4). This poster depicted the five major ecosystems (aquatic, grassland, forest, desert, and tundra) of our planet in their degraded as well as restored forms. It appealed to all in the restoration of these ecosystems which are enriched with both biotic and abiotic factors. A second poster was released which highlighted the: **Threatened Birds of Maharashtra (Critically Endangered Species)** (Fig. 5). It depicted the birds which are found in Maharashtra and are categorized as critically endangered (CR) by the IUCN.

All the events were publicized extensively by the BNHS-ENVIS team on social media platforms, reaching more than **10000 people**. The platforms used were Facebook, WhatsApp, Google Groups and the Institutional website; Link: http://bnhsenvis.nic.in/Database/World_Environment_Day_2021_19804.aspx These events were marked on the global platform of the official website at <https://www.worldenvironmentday.global> The events mentioned above can be viewed in more details at: http://bnhsenvis.nic.in/Database/World_Environment_Day_2021_19804.aspx.



Fig. 1

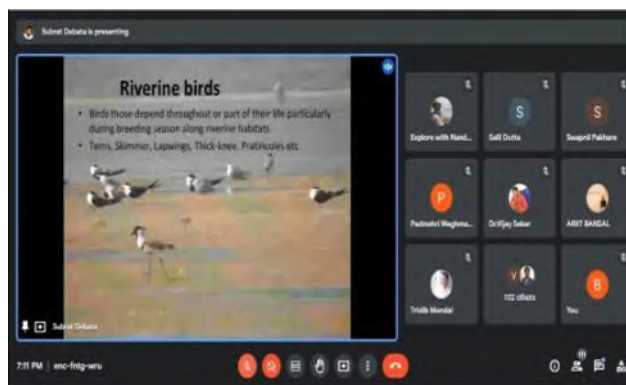


Fig. 2

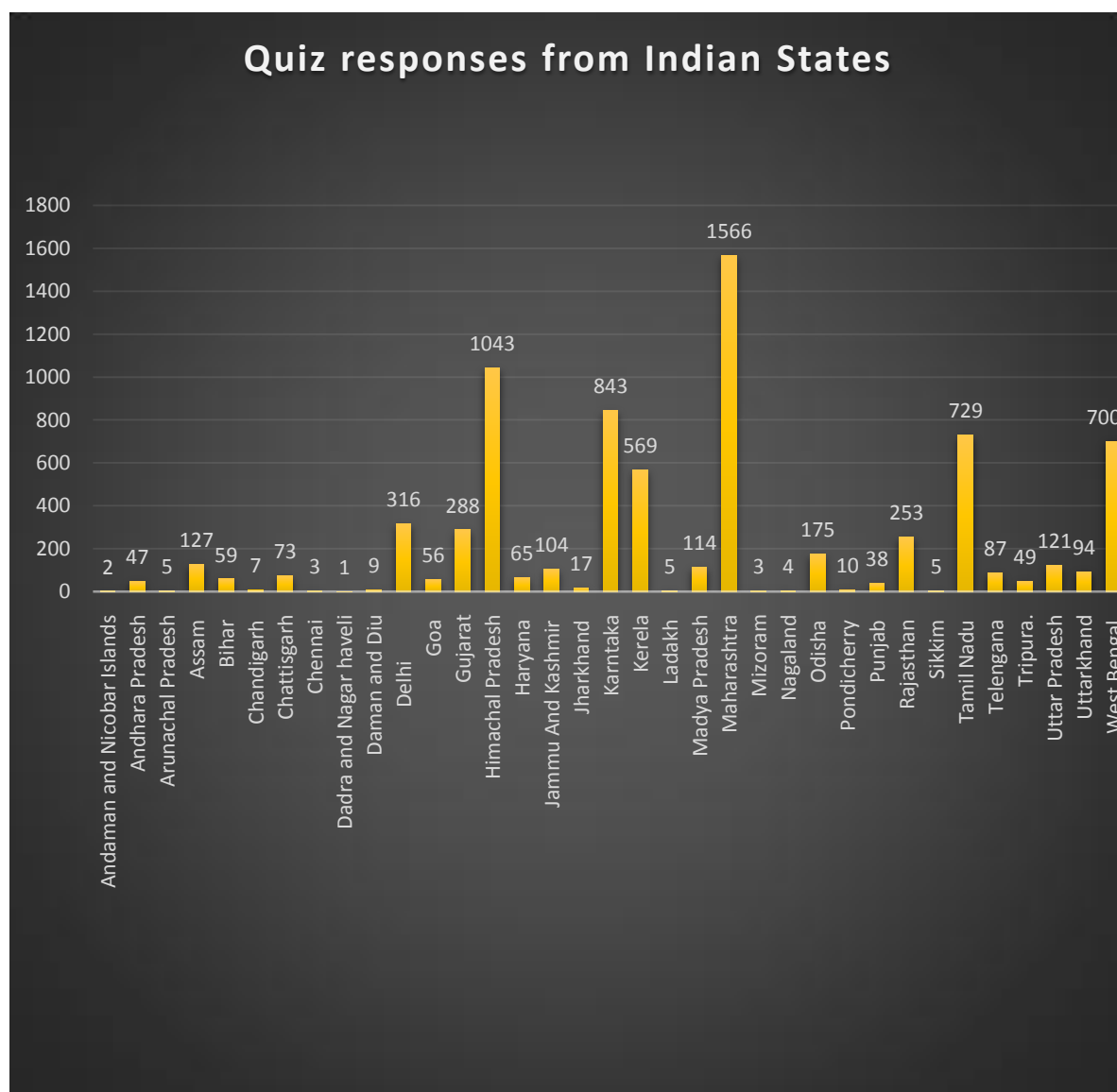


Fig. 3

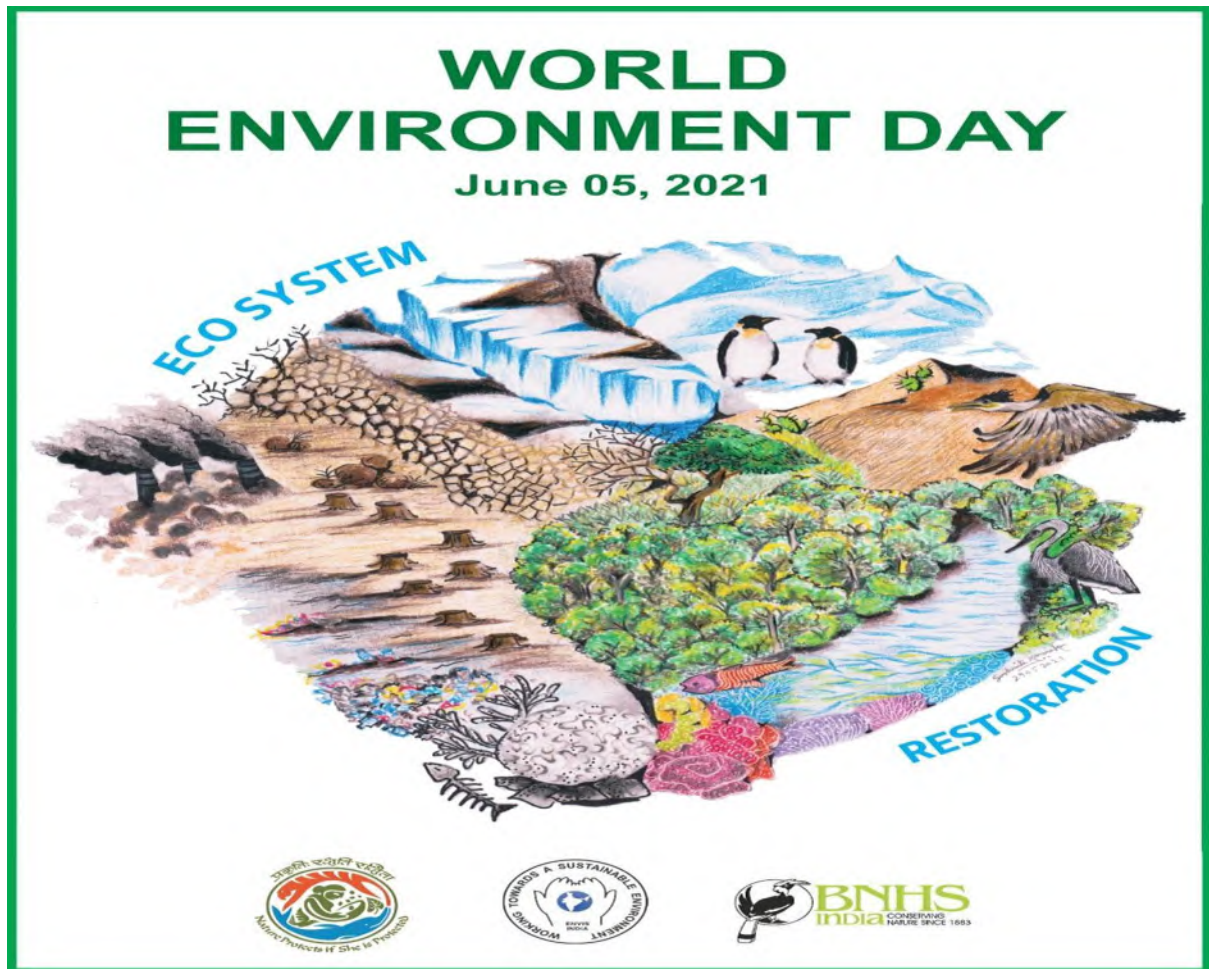


Fig. 4



Fig. 5

29. Consumer Education and Research Centre (CERC)

- A) Consumer Education and Research Centre, an ENVIS Resource Partner working on the thematic mandate of “Environment Literacy - Eco labelling and Ecofriendly Products” celebrated this occasion by releasing two e-Posters on the theme: **Reimagine. Recreate. Restore.** and shared through various e-platforms like Whatsapp, Twitter and Facebook page with **2,768 followers.**
- B) Info graphic on: **What is Eco Restoration, Its Benefits and Case Studies** were shared through various e-platforms, like WhatsApp, Twitter and Facebook page with 2768 followers.
- C) An online **Poster Making Competition** for school students from classes V to X was organized. Around **38 entries** were received. The results of the same was shared via Facebook page the participants were provided with e-certificates.
- D) A **Webinar on: Restoration of Ecosystems** was presented by Dr Shahenaz Jadeja who spoke on ecosystem restoration and its benefits. She also shared few case studies regarding revival of Bhuki River and other reclamation activities. Shri Setu Shah, an expert on water resource management gave an insightful speech on scarcity of water, its demand and ways to revive and rejuvenate the existing water bodies.



e-Posters



ECOSYSTEM RESTORATION

MoEF&CC's Environmental Information System, Resource
Partner on 'Environment Literacy- Eco-friendly Labeling & Eco-
friendly Products'

Consumer Education and Research Centre

Website: www.cercenvs.nic.in

@cerc_envis

@EcoProductsEcoLabeling

CERC-ENVIS



Infographic



Glimpses from the Poster Making Competition

30. CPR Environmental Education Centre

- A) The C.P.R. Environmental Education Centre (CPREEC) has been restoring degraded sacred groves in the states of Andhra Pradesh, Karnataka and Tamil Nadu. **Sacred groves** that are endangered or in near extinction condition and are in need of restoration are identified and selected by CPREEC for restoration. On this occasion, appropriate species suitable to the area were selected and planted with the cooperation of local villagers. This event was targeted to the general public, research scholars, and students.



- B) As part of observing World Environment Day, CPREECENVIS RP, Chennai designed and released a poster on: **Ecosystem Restoration** (Fig. 1).

- A) A **Zoom Meeting** was presented on June 05, 2021 by Dr Nanditha Krishna, Honorary Director, CPR. Environmental Education Centre, Chennai. She delivered a lecture series on: **Our Food and Climate Change** emphasizing the necessity of ecosystem restoration (Fig. 2).

This event was targeted to the general public, research scholars, and students which saw around **93 participants**.

- B) A **Webinar** was organized at the Seshadripuram College Tumakuru, Karnataka on June 05, 2021. Mr S Ravishankar, Project Officer, C.P.R. Environmental Education Centre, Tumkur District, Karnataka, delivered a lecture on **Environmental Education for Sustainable Future and Ecosystem**

Restoration(Fig. 3). This event was targeted to the degree students and lecturers which saw around 70 participants.

A **second** webinar was organized at the Dept of Pre-University Education, Govt. P U College, Amrutha, Hosanagara-TQ, Dist: Shimoga, on June 07, 2021. Mr S Ravishankar, Project Officer, C.P.R. Environmental Education Center, Dist: Tumkur, Karnataka, delivered a lecture on **Environmental Education for Sustainable Future and Ecosystem Restoration**(Fig. 4). This event was targeted to the Pre-University students and lecturers which saw around 75 participants.

- C) An online **Photography Competition** was organised for the students and general public, on the topic: **Nilgiris** from June 1-10, 2021.

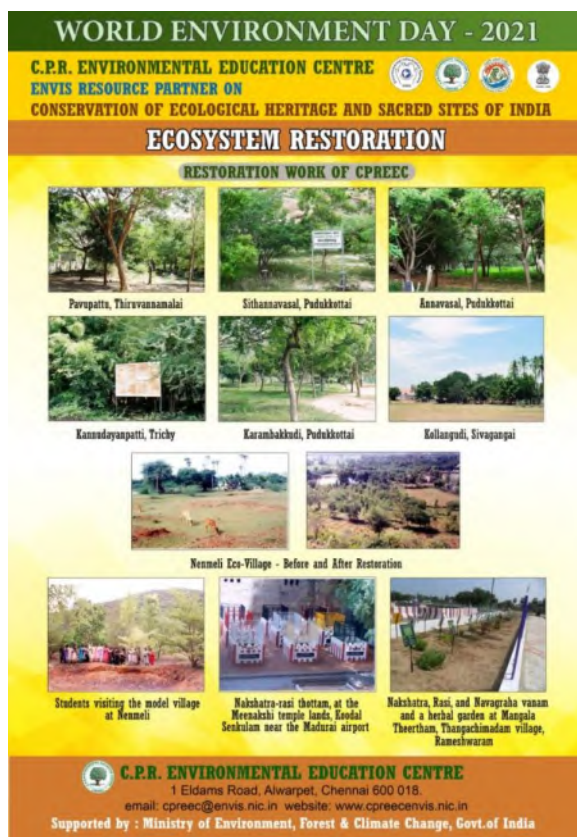


Fig. 1



Fig. 2

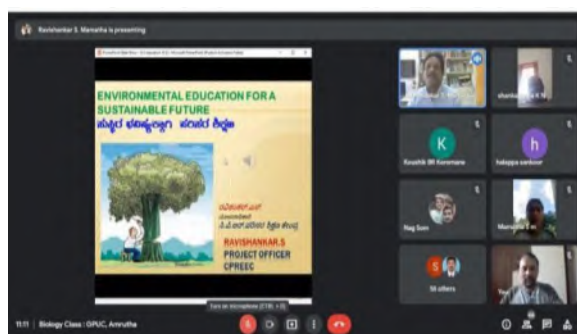


Fig. 3



Fig. 4

31. International Institute of Health and Hygiene (IIHH)

The SulabhENVIS RP organised an **Article Writing Competition** for the GSDP students trained by the ENVISCenters all over India. The topic of the article was: **Role of waste management in Ecosystem Restoration**. This year, as most of the activities are being carried out online due to pandemic, this idea was adopted to engage youth. This is one of the starting activities and we wish to further take this so Such activities allow students to remain in contact after completion of the courses and revises their GSDP lessons.

More than **16 entries** were received in both Hindi and English languages, and the winners are as follow:

Position	English Article	Hindi Article
First	AnjanPatra	Arunesh Kumar
Second	Deepika Srivastava	Aditya Raj Pandey
Third	Ashish Nayak	Yash

The participants shared their encouraging and positive views on the competition.



Images related to the competition

32. Salim Ali Centre for Ornithology and Natural History (SACON)

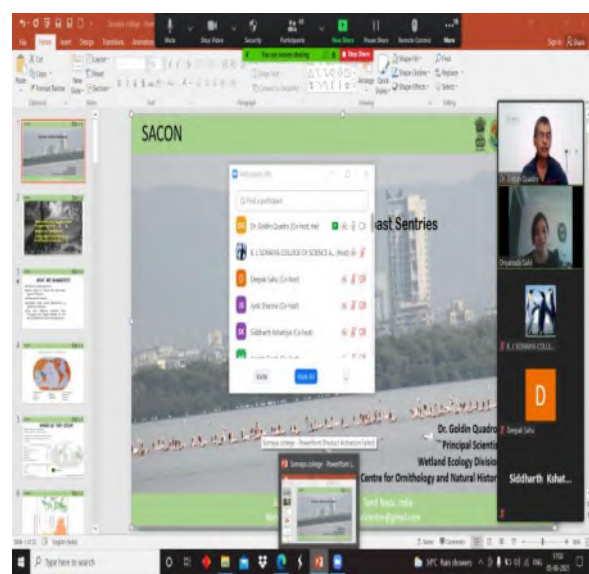
- A) SACON ENVIS Resource Partner along with the Extension Division of SACON organized a virtual event: **Become an Environment Reporter** for the children, youth and general public across the country. The event enabled the participants to submit their experiences on habitat restoration undertaken in the last few years, in the form of either **Photo story**, **PowerPoint story** or **Video story**.
- B) There was also an online **Webinar** by Dr Goldin Quadros, Principal Scientist and ENVIS Coordinator on: **Mangroves-Mumbai's Coast Sentries** for the students of the Geology Department, K J Somaiya College of Science & Commerce, Mumbai. Around **50 students** participated.
- C) An **e-poster** carrying the message **Let's Revive our Oceans and Coasts** was released on the social media platform for wider dissemination. This event was registered on the World Environment Day portal to mark the global celebration. The poster highlights the threats faced by the oceans and coasts, and how we can help to restore the ecosystem.



e-Poster



Event Flyer



Screenshot of the Webinar

ENVIS

Government Hubs

(State Government)

33. Environment Protection Training and Research Institute (EPTRI)

The EPTRIENVIS-Hub & RP, along with Telangana State Pollution Control Board (TSPCB), Government of Telangana and in association with Lee Shreyus Foundation organized **Virtual Recognition Campaigns** from May 27-June 05, 2021 on the theme: **Reimagine. Recreate. Restore**. The sessions highlighted the importance to connect with natural world and understand science. More than **1000 people participated** in these campaigns.

- A) The EPTRIENVIS-Hub & RP in association with Lee Shreyu's Foundation conducted **Crafts** from May 27- June 01, 2021 with waste in which schools played an important role in creating environmental recognition. More than **400 responses** were received (Fig.1).
- B) The EPTRIENVIS-Hub & RP in association with Lee Shreyus Foundation conducted a **Virtual Poster Making Competition** from May 27-June 02, 2021 for school students from classes 8-10 categories on the theme: **Reimagine, Recreate, Restore**. More than **100 participants** have participated in this event out of which top three entries will be awarded and are showcased in EPTRIENVIS quarterly newsletters (Fig. 2).
- C) The EPTRIENVIS Hub & RP conducted an **Online Movie Making** from May 27-June 02, 2021 on the theme: **Reimagine, Recreate, Restore**, where students were asked to record a video by narrating about their home garden, biodiversity at their place, and waste segregation. More than **100 participants** attended it and shared their ideas (Fig. 3).
- D) The EPTRIENVIS Hub & RP has conducted an **Online Quiz Competition** from May 27-June 04, 2021 on **Environment**, where a Google form link was shared with schools, colleges, and institutions and in social media which encouraged people to participate in the quiz. More than **4000 people participated** (Fig. 4).
- E) With the help of campus ambassadors, ENVIS-Hub & RP of EPTRI, in association with the Telangana State Pollution Control Board, and Lee Shreyus Foundation organized **Snip it Half pic Campaign** from May 27-June 01, 2021. The participants had to tear any plastic cover by not snipping off the tip of the packet completely and submit to the eptricomp@gmail.com. More than **150 people participated** (Fig. 5).
- F) With the help of campus ambassadors, ENVIS-Hub & RP of EPTRI in association with Telangana State Pollution Control Board, and Lee Shreyus Foundation organized, a **Video Promotion** from May 27-June 03, 2021 where the participants had to plant saplings, explain about the plant and its significance, and submit through the given link. More than **50 participations** responded (Fig. 6).
- G) The EPTRIENVIS Hub & RP in association with the Telangana State Pollution Control Board, Govt. of Telangana and Lee Shreyus Foundation, YEC, TSNCG

- and NYK- Rangareddy organized a **National Level Virtual Article Writing Competition on Conservation on Environment** wherein around **105 participants** took part (Fig. 7).
- H) The EPTRIENVIS Hub & RP in association with the Telangana State Pollution Control Board, Govt. of Telangana and Lee Shreyus Foundation, YEC, TSNGC and NYK- Rangareddy organized **Virtual Environmental Leadership Training Program** which saw around **63 participants** from different institutions across the Telangana State (Fig. 8).
- I) The EPTRIENVIS Hub & RP in association with the Telangana State Pollution Control Board, Govt. of Telangana and Lee Shreyus Foundation, YEC, TSNGC and NYK- Rangareddy organized **Virtual Green Teachers Training Program** on June 01, 2021 which saw around **75 participants** from different institutions across Telangana State (Fig. 9).
- J) The EPTRIENVIS Hub & RP in association with the Telangana State Pollution Control Board, Govt. of Telangana and Lee Shreyus Foundation, YEC, TSNGC and NYK- Rangareddy organized a **Paper Presentation Competition** on June 02, 2021 which saw around **253 participants** from different institutions across Telangana State (Fig. 10).
- K) A **Mock Youth Parliament** was organized on June 02, 2021 (Fig. 11).
- L) A webinar was presented on the topic: **Identification of Herpetofauna in Telangana State** by Mr Avinash Visvanathan from 02:30 p.m. to 03:00 p.m., which saw around **113 participations** from different parts of Telangana (Fig. 12).
- M) A webinar session on **Biodiversity and need for documenting the resources** was presented by Dr Shilpi Sharma, Regional Coordinator, Telangana State Biodiversity Board (TSBDB). She explained about the Biodiversity and need for documenting the resources (Fig. 13).
- N) The ENVIS-Hub & RP EPTRI, Telangana State Pollution Control Board, Government of Telangana in association with Lee Shreyus Foundation organized a webinar on **Medicinal Plants in our Neighbourhood** by Dr Suma Tagadur-Scientist E-TDU FRLHT Bengaluru, Karnataka. It saw **150 participations** from across Telangana (Fig. 14).
- O) Dr D Prasad, Head Air Division of Telangana State Pollution Control Board, Govt. of Telangana was the keynote speaker for the **Webinar Session on Air & Noise pollution - Role of Individual in Reducing** which saw around **162 participants**. Dr Prasad explained the topic by connecting with live examples (Fig. 15).
- P) A webinar session on **Water conservation and Hygiene** was presented by Dr M N Sridhar Babu, Environmental Consultant, Bengaluru. Around **113 participants** from different places across the Telangana and were benefitted on the water conservation techniques and hygiene (Fig. 16).
- Q) A webinar session on **Working with Monarch Butterflies** was presented by Ms Toshiba Harve, Rearing Technician from Florida Museum. Nearly **190 participants** from different areas of Telangana took part (Fig. 17).

- R) EPTRI along with the Telangana State Pollution Control Board (TSPCB) organised a series of virtual events & webinars (Fig. 18) from 27th May to 5th June on the theme: **Ecological Restoration-Reimagine, Recreate, Restore**. The virtual meeting was attended by officials of TSPCB, NITHM, ASCI, ISB, MA&UD, professors from various universities, and around **300 students** (Fig. 18). The event was coordinated by Dr M Suneela, Scientist and ENVIS Coordinator. She gave an introduction about EPTRI and welcomed the dignitaries, participants to the virtual Celebration of World Environment Day. Sri Adhar Sinha, IAS, Spl. Chief Secretary to Govt. of Telangana, and Director General, EPTRI highlighted the importance of ecological restoration and role of EPTRI towards restoring the environment in terms of water, solid waste, biodiversity. Smt Neetu Prasad, IAS, Member Secretary, TSPCB emphasised the need of Ecosystem restoration, importance of environmental conservation to ecological balance and sustainable agricultural development system along with reduction of greenhouse gases to control climate change.
- The Guest of Honour, Dr. Rajat Kumar, IAS, Special Chief Secretary to Government of Telangana, I&CAD Department, Environment, Science & Technology department (FAC) addressed through virtual mode on sustainable development goal for eliminating poverty and relationship environmental sustainability society in Telangana and explained the world's largest tree plantation under the Haritha Haram by Government of Telangana. e-posters and stickers were released.
- Sri Allola Indrakaran Reddy, Hon'ble Minister for Environment, Forest, Science & Technology, Law and Endowments, Government of Telangana emphasized via a video message that forests should be protected and stated that the plantation program under Haritha Haram has increased the green cover in Telangana by 4%. The Minister said, Government of Telangana flagship Kaleshwaram project has increased the agricultural sector growth, ground water recharge and he also advocated all to be a part of restoring the ecosystem.
- S) **e-posters, e-stickers** and EPTRI initiatives like **Establishment of Herbal Garden, Plant Tissues Culture lab, Laboratory Information Management System** (Released by Guest of Honour Dr Rajat Kumar IAS, Spl Chief Secretary to Govt. I&CAD and Shri. Adhar Sinha, IAS, Director General EPTRI & Spl. Chief Secretary to Govt of Telangana), **Campus development with NITHM, and Restoration of Drinking Water Supply at EPTRI** were released (Fig. 19).
- T) An online **Environmental Pledge** for the public to conserve the nature was organized (Fig. 20). An online web link was created and shared with colleges, schools and in Social Media. More than **2000 people** have pledged to conserve the nature. Link: <https://lsfindia.co.in/pledgecert/index.php>



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8



Fig.9



Fig.10



Fig.11

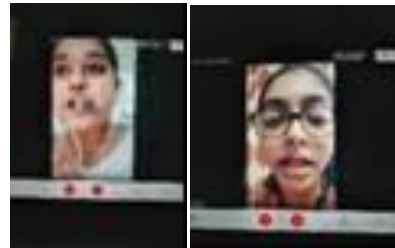


Fig.12



Fig.12



Fig.13



Fig.14



Fig.15



Fig.16



Fig.17



Ministry of Environment, Forest and Climate Change, Government of India

REIMAGINE RECREATE RESTORE | WORLD ENVIRONMENT DAY | UN environment programme

Virtual Celebrations of World Environment Day - 2021

5th June, 2021 | 10:30 AM

Chief Guest	Guest of Honour	Key Note Address	Special Address
			
Shri A. Indrakaran Reddy Hon'ble Minister for Environment Forest, Science & Technology, Law & Endowments, Govt. of Telangana	Dr. Rajat Kumar, IAS Special Chief Secretary to Government, ISCAD & Environment, Science & Technology (FAC), Govt. of Telangana	Shri Adhar Sinha, IAS Special Chief Secretary to Government, Govt. of Telangana, Director General, EPTRI	Smt. Neetu Prasad, IAS Member Secretary, TSPCB

Organised By
ENVIS - HUB and RP
Environment Protection Training and Research Institute
Telangana State Pollution Control Board | Telangana State National Green Corps
In Association With
Lee Shreyus Foundation | LSF Youth Environmental Council

Fig. 18



ENVIRONMENT, FOREST, SCIENCE & TECHNOLOGY DEPARTMENT
Govt. of Telangana
along with
TELANGANA STATE POLLUTION CONTROL BOARD (TSPCB)
&
ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI)

**Cordially invites you to join the virtual celebrations of
World Environment Day on 5th June, 2021**

REIMAGINE RECREATE RESTORE | WORLD ENVIRONMENT DAY | UN environment programme

Date: 05-06-2021 **Time: 10:30 AM on wards**

Program Schedule	
10:30 - 11:00 AM	Web link open for log in
11:00 - 11:15 AM	Welcome Address & Briefing the activities organised in view of World Environment Day (WED) - Dr. M. Suneela, Scientist & ENVIS Coordinator, EPTRI
11:15 - 11:25 AM	Keynote Address Shri Adhar Sinha, IAS Special Chief Secretary to Government, Govt. of Telangana & Director General, EPTRI
11:25 - 11:35 AM	Spl. Address by Smt. Neetu Prasad, IAS Member Secretary, TSPCB
11:35 - 11:45 AM	Address by Guest of Honour Dr. Rajat Kumar, IAS Special Chief Secretary to Government, Govt. of Telangana ISCAD & Environment, Science & Technology (FAC), Govt. of Telangana
11:45 - 11:50 AM	Address by Chief Guest Shri A. Indrakaran Reddy Hon'ble Minister for Environment Forest, Science & Technology, Law & Endowments, Govt. of Telangana
11:50 - 12:15 PM	Activities on WED Celebrations e-Releases — Sticker — Poster — Compendium on the ENVIS activities at EPTRI (FY. 2020-21) Launch of Activities on WED Celebrations — Laboratory Information Management System (LIMS) — Activities for Establishment of Herbal Garden in EPTRI under joint — Campus Development with NITHM - funded by Ministry of Ayush, Govt. — Activities for Establishment of Plant Tissue Culture Lab under NAFCC project, Govt. — Restoration of Drinking Water Supply in EPTRI campus
12:15 - 12:20 PM	e-pledge of WED Sri Uma Shanker, LSF, Hyderabad
12:20 - 12:30 PM	Vote of Thanks Sri Purushottam Director, EPTRI

Fig. 19

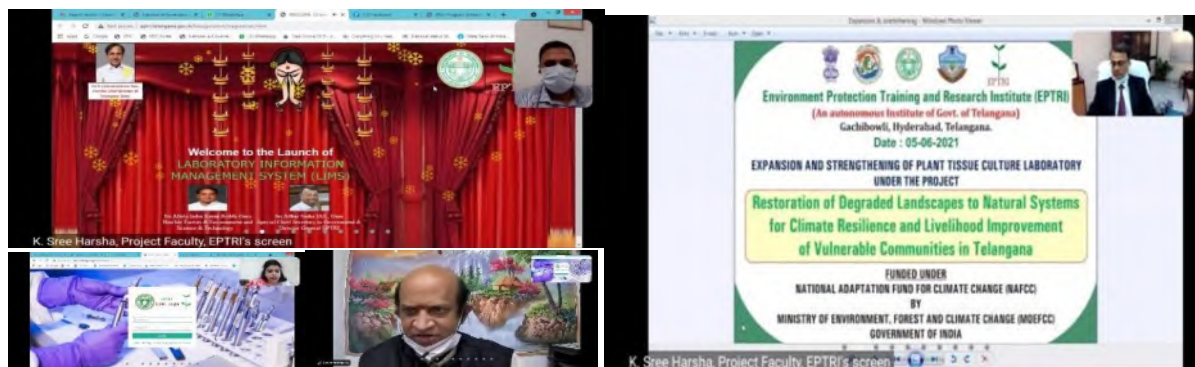


Fig. 20



Fig. 21

34. Assam Science, Technology and Environmental Council

- A) A **Webinar** was jointly organized on the theme: **Ecosystem Restoration** by ENVIS Hub-Assam, Assam Science Technology & Environment Council, Department of Science & Technology, Govt. of Assam with ENVIS RP on Combating Desertification, ICAR-Central Arid Zone Research Institute, Jodhpur (Rajasthan) under the Government of India initiative Ek Bharat Shrestha Bharat on June 05, 2021 (Fig. 1). The webinar was inaugurated by Smt Kimnei Changsan, Director, Assam Science Technology & Environment Council, Assam who highlighted the importance of World Environment Day.

Dr. P. Yadav, Director, ICAR-CAZRI, Jodhpur in his opening remarks stressed for reducing the amount of environmental footprints of water and carbon and its good services it provides us. Ms. Manisha Sarmah, Programme Officer, ENVIS Hub, Assam coordinated the programme. The session was followed by the brief introduction of ENVIS Hub, Assam by Dr. Jaideep Baruah, ENVIS Coordinator, Assam. Smt. Abhay Kumar Johari, IFS, Former Special Principal Chief Conservator of Forests, Member Secretary, Assam State Biodiversity Board was invited as the guest speaker who elaborated on the ecosystem and biodiversity of Assam. He explained the other ecosystems which are equally vulnerable and need equal importance and attention like agriculture, horticulture, fisheries, cash crop plantation, sacred groves, small rivers, and small ecosystems. Another guest speaker from Rajasthan - Dr. P. C. Moharana, Principal scientist & ENVIS Coordinator, ICAR-CAZRI delivered his speech on: **Ecosystem Restoration - Challenges & Perspectives from Indian Arid regions in Rajasthan**. He showed a glimpse of arid ecosystem which supports around 27 million human and 30 million livestock population, and where the sandy landscape and the ecology are governed by several factors. For restoration he suggested to improve the productivity and capacity of ecosystem for everybody. Vote of thanks was extended by Dr. Sangeeta Goyal, Programme Officer, ENVIS RP, Rajasthan. She thanked Smt. Kimnei Changsan, Director, Assam Science Technology & Environment Council, Dr. O. P. Yadav, Director, ICAR-CAZRI, Jodhpur (Rajasthan), Dr. R. K. Goyal, Principal Scientist, ICAR-CAZRI, Jodhpur (Rajasthan), Dr. Jaideep Baruah, Head i/c Environment Division and ENVIS Coordinator ENVIS Hub, Assam, Dr. P. C. Moharana, Principal scientist & ENVIS Coordinator, ICAR-CAZRI, Jodhpur (Rajasthan), Smt. Abhay Kumar Johari, IFS, Former Special Principal Chief Conservator of Forests, Member Secretary, Assam State Biodiversity Board, ENVIS members from both Assam and Rajasthan states and all the participants for making the webinar a success. The event was attended by **100 participants** which included scientists, officials and other participants from both the states. Beneficiaries were; Officials from ICAR - Central Arid Zone Research Institute, Officials from Assam Science Technology & Environment council, Assam Energy Development Agency, Scholars from Cotton and Guwahati

Universities, Members of Assam Science Centres, Aryabhatta Science Centres, students from various colleges, etc.

- B) ENVIS Hub Assam organised **All Assam Online Art Competition** for two categories (Fig. 2). Group -A for students of classes 1-4 and Group B- for students of classes 5-8. Total **435 entries** were received from Group-A and **415 entries** from Group-B. The result was declared on June 05, 2021. Beneficiaries were the school students of Assam.

- C) A message by **Sjt Keshab Mahanta**, Hon'ble Minister of Science & Technology Department, Government of Assam wished the public via the ENVIS Assam YouTube Channel.

- D) An **Assamese Brochure** was jointly published by the ENVIS Hub Assam and National Green Corps, Assam Science Technology & Environment Council on the theme: **Ecosystem Restoration** (Fig. 3).

It was specially written for school and college students who knew the Assamese language.

- E) An English Brochure was jointly published by ENVIS Hub Assam and National Green Corps, Assam Science Technology & Environment Council on the theme: **Ecosystem Restoration**. It was specially written for school and college students (Fig. 4).

- F) A **Poster in Assamese** was jointly published by ENVIS Hub Assam and National Green Corps, Assam Science Technology & Environment Council on the theme: **Ecosystem Restoration** which highlighted the Reimagine, Recreate and Restore (Fig. 5).

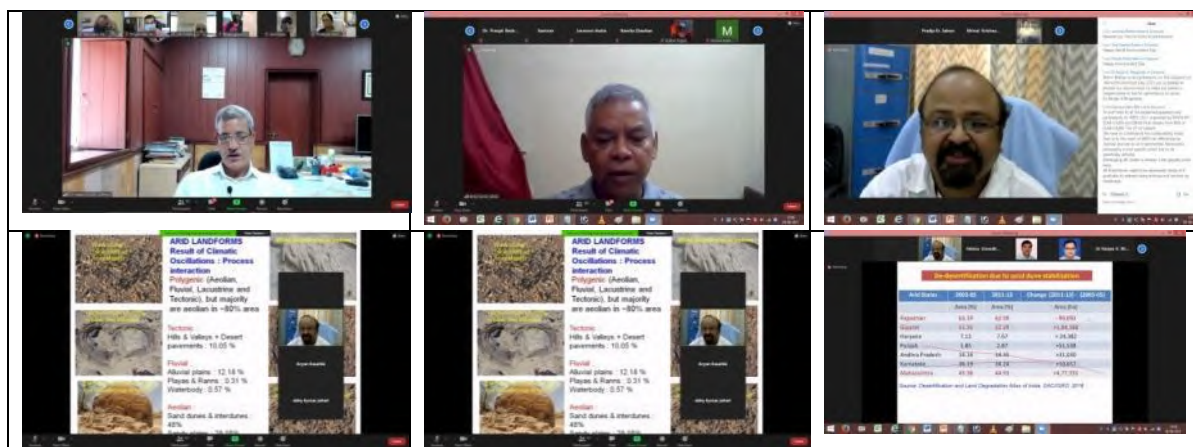


Fig. 1



Fig. 3



Fig. 4



Fig. 5

35. Chhattisgarh Environment Conservation Board

The ENVIS Hub at Chhattisgarh Environment Conservation Board celebrated this occasion through various activities like **Mass Plantation**, **Display Boards**, **Newspaper Message**, **FM Broadcasting**, **Online Poster Making Competition**, **Webinars**, and **General Information Dissemination Program**. The details are as follows:

- A) CECBENVIS Hub organized **mass plantation drive** in the office premise with the gracious presence of Shri R P Tiwari, Member Secretary of Chhattisgarh Environment Conservation Board, Shri A P Savant, ENVIS Coordinator and other senior officers of the Board (Fig. 1).
- B) Under Ek Bharat Shreshtha Bharat program, CECBENVIS Hub and CERCENVIS Resource Partner jointly organized **Webinar** and **Online Quiz Competition** on **Sustainable Practices and Environment** for encouraging resource conservation. Each participant was felicitated with a certificate (Fig. 2).
- C) CECBENVIS Hub organized **Online Poster Making Competition** for two age groups under the theme: Ecosystem Restoration. Around **1188 entries** were received till June 05, 2021 (Fig. 3).

Various platforms, like newspaper advertisement, display boards, FM, and a week long webinar series were used to propagate the message to the general public.



Fig. 1



Fig. 2



Fig. 3

36. Gujarat Ecology Commission (GEC)

The Gujarat Ecology Commission (GEC), State ENVIS Hub celebrated World Environment Day by organising a **Webinar** on June 05, 2021 in collaboration with SciKnowTech (an initiative for experiential learning) with the objective to understand people's perspective on environmental issues and to inform on various environmental losses and the ways to restore them. The webinar was arranged in the line of Reimagine. Recreate. Restore. on the theme: **Ecosystem Restoration**. The program was entitled as **Let's know our Environment**.

Students of SciKnowTech, teachers and higher-grade students from Calorx Public school, professors and students of M.N College Visanagr, students from Sir PT Science College, Modasa, and members from different NGOs were the prime participants of the event. Participants were students from **15** schools-class 8 and above, 10 teachers, 2 professors, **20** members of SciKnowTech, 15 to 20 members from various NGOs and rest of the participants were graduate and under graduate and doctoral students. Total **100 people** participated in the webinar including **10** members of GEC.

The program started with an introductory speech by the ENVIS Coordinator and Sr. Manager of GEC. He gave information regarding GEC, ENVIS hub and Gujarat Government's initiative regarding mangrove restoration, mining area restoration, barren land restoration, and coral reef restoration. The Member Secretary of GEC explained the history and the significance of World Environment Day. He also presented the guideline published by the UN named 'Ecosystem Restoration Playbook' to the audience.

The next part was a presentation by DrMegha Bhatt, the founder of SciKnowTech, who was the prime speaker of the event and she discussed the basic concepts of ecosystem, ecology, biodiversity, carbon footprint, and related situations of environment loss with the rapid rate of urbanisation and the land use changes.

The last section of the event was designed to involve everyone through a quiz competition based on the previous presentation. The involvement of participants and their answers showed that they followed the session thoroughly. The three winners from the quiz competition were: Naiya Patel, Ms Swati, Heli Bhatt (Doctoral students from University School of Sciences, Sir PT College). Lastly, a pledge of 5 Rsie. Refuse, Reduce, Reuse, Repurpose and Recycle was taken by the participants to ensure ecological balance in future.

Gujarat Ecology Commission also went live from the official Facebook page of GEC to involve more people in the event.



World Environment Day, 2021

Ecosystem Restoration

“LET’S KNOW OUR ENVIRONMENT!”

Date: 5th June, 2021

WEBINAR DETAILS

Speaker : Dr. Megha Bhatt
Women Scientist, North Gujarat University and Founder of SciKnowTech

Time : 11 am – 12:30 pm

Hosted by
GUJARAT ECOLOGY COMMISSION
State ENVIS Hub
Department of Forest and Environment
Government of Gujarat

In collaboration with
SciKnowTech





Glimpses from the Event

37. Himachal Pradesh Council for Science, Technology and Environment (HIMCOSTE)

The HP ENVIS Hub at Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) organized various online competitions for the students of the State.

A) Under the “*Ek Bharat Shreshta Bharat*” programme of the Ministry of Human Resources Development, Government of India in collaboration with ENVIS Hub at Kerala State Council for Science, Technology and Environment (KSCSTE), HP ENVIS Hub organized **Online Quiz Competition** for school students of classes 9 to 12 (Fig. 1). Students from all over Himachal Pradesh had shown their enthusiasm and participated in these activities. Total **16,261** students registered for the online quiz competition.


B) HP ENVIS Hub organized **Online Environment Photography, Online Painting and Online Slogan Writing Competition** for school students in two categories; Junior (6th to 8th) & Senior (9th to 12th) in collaboration with school ECO Clubs in the State (Fig. 2). More than **3000** ECO Clubs of the State participated in these activities. For online environment photography, painting and slogan writing competition the entries were called from students through District



Fig. 1

Science Supervisors of the State. Top three winners of the competitions will be awarded with prizes and certificates.

C) A **Knowledge Product** was prepared on this occasion and circulated through various social media groups (Fig. 3).



UN environment programme

Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE), Shimla invites school ECO Club students to participate in the online competitions and win exciting prizes

WORLD ENVIRONMENT DAY 2021

Theme: Ecosystem Restoration

Online Competitions

- ❖ Environment Photography Competition
- ❖ Painting Competition
- ❖ Slogan Writing Competition

Instructions

- ❖ Entries should be sent to respective District Science Supervisor O/o Deputy director of Elementary education

Categories

- ❖ Junior (6th to 8th) class students
- ❖ Senior (9th to 12th) class students

Last Date of Submission

- ❖ 4th June 2021 till 5:00 PM

Fig. 2



WORLD ENVIRONMENT DAY 2021

REIMAGINE RECREATE RESTORE

Your thoughtful legacy will brighten our future! appreciate respect and protect nature!

TOWNS AND CITIES
Urban ecosystems are often highly degraded. Poor planning seals soils and leaves little space for vegetation. Waste and emissions from industry, traffic and homes pollute waterways, soils and the air. Unchecked urban sprawl gobble up more and more wildlife habitat. But authorities, communities and citizens can use restoration to achieve environmental, social and cultural gains at the same time.

- Green public spaces
- Citizens for sustainability
- One micro-ecosystem at a time

FORESTS AND TREES
Restoring forest ecosystems involves returning trees to formerly forested land, including settlements and agricultural areas, and improving the condition of degraded forests. Here are some ways to stop the bleeding of our forests and regreen the land.

- Plant trees
- Assist natural regeneration
- Forest landscape restoration

FARMLANDS AND GRASSLANDS
We can restore rural ecosystems by using nature to boost farm productivity and soil health and improve how they manage the land. Here are some of the options for farmers and livestock keepers.

- Invest in nature
- Trust in diversity
- Keep grasslands whole
- Graze sustainably
- Bring back indigenous species

WETLANDS
To prevent dangerous climate change, we need to heal peatland carbon where it is – wet, and in the ground. At the same time, we must re-wet and restore drained and degraded peatlands.

- Protect peatlands
- Drain the drains
- Accelerate recovery
- Limit pressure

RIVERS AND LAKES
Protecting and restoring freshwater ecosystems can mean improving water quality, controlling how these ecosystems and the land next to them are used, and stopping or reversing human modification to natural processes. Here are some elements that can play a part in a restoration plan.

- Clean it up
- Restore vegetation
- Plan sustainably
- Protect and restore nature
- Regulate access

OCEANS AND COASTS
We can restore oceans and coasts by reducing the pressures on them so they can recover, both naturally and with our help. We need to make these ecosystems and communities more resilient in the face of global change.

- Clean up
- Restore vegetation above and below the water
- Use the ocean wisely

MOUNTAINS
Mountain regions are particularly sensitive to degradation from human pressure and climate change. Steep slopes mean the clearing of forest can cause serious soil erosion and habitat loss. Climate change and pollution threaten the up-sides of water to farms, cities, industry and power stations. Rising temperatures are forcing species, ecosystems and the people that depend on them to adapt or migrate. Restoring mountain ecosystems means considering whole landscapes.

- Restore forest shields
- Limit extraction and excavation
- Let ecosystems migrate
- Farm for resilience
- Learn from experience

What we are doing to the forests of the world is but a mirror reflection of what we are doing to ourselves and to our mother.

— Mahatma Gandhi

HP ENVIS HUB, Himachal Pradesh Council for Science, Technology & Environment, Vigyan Bhawan, Bantole, Shimla

Fig. 3

38. Department of Ecology, Environment and Remote Sensing, UT of J&K

The ENVIS Hub at Department of Ecology, Environment and Remote Sensing, J&K organized various **Online competitions, webinar and release of an Android application.** Speaking on the occasion, the Commissioner/Secretary, Forest, Environment and Ecology, Sh Sanjeev Verma said that the protection of environment and restoration of ecosystems is a responsibility of all and the department is at forefront of protecting the environment and repairing the damages caused by unsustainable anthropological activities. The Pr. Chief Conservator of Forests, J&K-Dr.Mohit Gera-briefed regarding the interventions made by the Forest department for restoration of forest ecosystems. Dr Neelu Gera, PCCF/Director, Ecology, Environment and Remote Sensing Department deliberated upon the importance of World Environment Day and its theme.

T Rabi Kumar, APCCF, Kashmir threw light on the Biodiversity Conservation-Equity in access and Benefits for Ecosystem Restoration. Chief Town Planner, Kashmir-Iftikhar Hakim-spoke about the challenges of population growth, urbanization and innovations in restoration of Urban Ecosystems. Dr MK Kumar explained the interventions being done by Wildlife Department for Restoration of Wildlife Corridor Ecosystem for minimizing the human-wildlife conflicts. Sh Irfan RasoolWani, Conservator North Circle Kashmir and Coordinator WUCMA, explained the process of Restoration of Wular Lake Ecosystem to its pristine glory. Majid Farooq, Scientist, Coordinator ENVIS presented the Climate Change Scenarios and its impacts on Ecosystem Services.

- A) The ENVIS Hub at Department of Ecology, Environment and Remote Sensing, J&K organized various **Online competitions** on the theme: **Ecosystem Restoration** for school, college, university students and general public of Jammu & Kashmir (Fig. 1). The center conducted online **Painting/drawing competition** for school going students in two categories:
- Classes 4-7, Theme: **Forest Ecosystem**
 - Classes 8-12, Theme: **Wetland Ecosystem**
- Around **500 entries** were received and the winners were awarded cash prizes and E- certificates.
- B) The ENVIS Hub organized a **Photography Contest/ Videography contest / Mascot design / Infographic Contest** (Fig. 2).The winners were awarded cash prizes and E- certificates.
- C) A **Spring Mapper App.** was released by the Chief Guest and the Guest of Honour to capture the geolocations and associated information of Springs for developing a

comprehensive database/inventory of Springs (Fig. 3). This Android based application, developed by Department of Ecology, Environment & Remote Sensing, J&K (JKENVIS Hub) is useful for field data collection for inventory and database creation regarding Springs. The application can be used for collecting Field Photographs, GPS coordinates and Field information, Village Name, Seasonality Temperature of Water, Spring Water Use, etc. One can also upload pictures taken through their mobile devices depicting status of the Springs. The information can be sent in real-time, or later on using the Send Later option. All data received through this application reaches to DEE&RS Server. It is expected that this App will act as a model for other States/UTs for Mapping Springs as this is first of its kind of initiative.

- D) The ENVIS Hub with the host Department organized a **Webinar** with around **150 participants**, to highlight the vital role played by ecosystem services in sustaining the earth and overall human well-being (Fig. 4). The webinar aimed to make masses aware about ecosystem services and actions required to restore the degrading ecosystems.



Fig. 1



Fig. 2

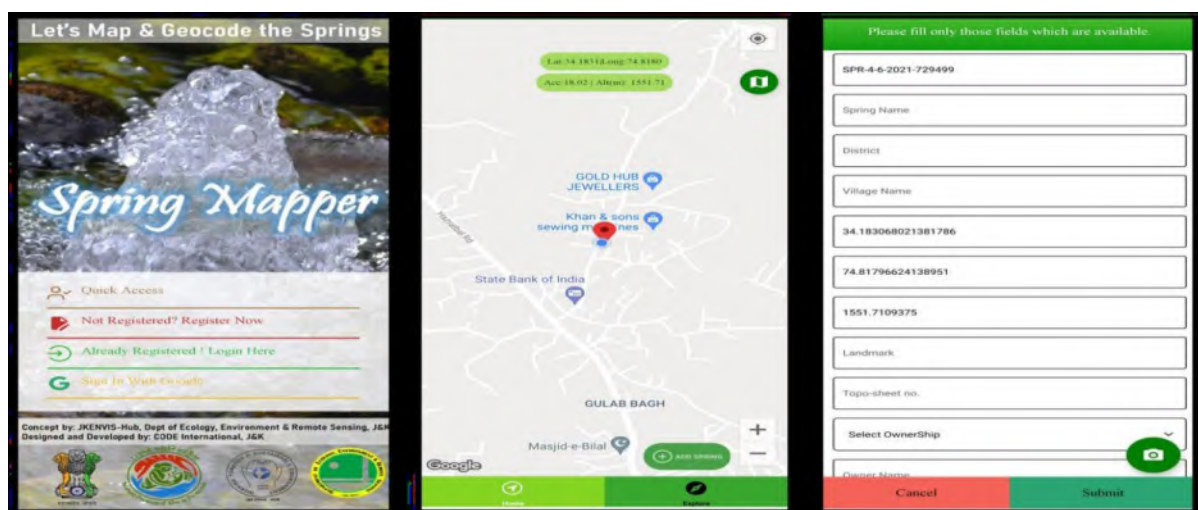


Fig. 3



Fig. 4

39. Forests & Environment Department, Govt. of Jharkhand

The Jharkhand ENVIS Hub and the Forest, Environment and Climate change Department, Govt. of Jharkhand celebrated this day by jointly conducting departmental workshops and webinars, which targeted students, researchers, forest officers and staffs.

The topic of the webinar was: Ecosystem Restoration: Different Strategies & Opportunities and this event was graced by Shri P K Verma, IFS, PCCF &HoFF (Jharkhand); Shri N K Singh, IFS, APCCF (Development) as Chief Guests and Dr H S Gupta, IFS Former PCCF (WL); SmtPurabiSaikia, Assistant Professor Central University, Jharkhand as speakers.

Dr H S Gupta presented on **“WHY, HOW, WHO of Eco Restoration: Outcome in shape of livelihood improvement and co-benefits”** where he shared his views along with statistics of how to overcome from the current status of ecosystem with the help of people living in forest villages and in cities. He showed how to balance sustainable development by proper use of land and resources.

Smt. PurabiSaikia enlightened with her presentation on **“Forest Degradation Prevention through Nature Based Solutions (NbS) & Forest Landscape Restoration”** where she explained on how landscapes have changed in current time. She also showed the current and past situations and status of ecosystem in respect of the Jharkhand State and the type of measures to be taken by the department to bring positive changes in the status of ecosystem. She also supported the theory given by Dr H S Gupta.

Around 77 to 80 participants, including forest officers, staffs, researchers, scholars and students attended this event. Dr V S Dubey, IFS, DFO, Training school hosted this program and Shri N K Singh graced this occasion by giving information about the ongoing schemes within the department. He also attended to the queries of the audience.



Glimpses from the Webinar

40. Environment Management & Policy Research Institute (EMPRI)

- A) The EMPRI-ENVIS Hub conducted a **Quiz Competition** on the **Environmental** topic from 4th June to 8th June, 2021 across the country. It was done with social distancing rules of COVID-19 pandemic and to label education as a duty towards achieving a sustainable environment. More than **1700 participants** were benefitted and the winners were awarded with cash prize, whereas all the participants received e-certificate of appreciation.
- B) The EMPRI-ENVIS along with the host institution organised a **Webinar** on the theme: **Ecosystem Restoration**. It was chaired by Shri Raj Kishore Singh, IFS, PCCF & Director General, EMPRI, and provided crucial information on ecosystem, its restoration, and environmental issues which would aid policy makers in taking important decisions. The programme commenced with a key note address presented by Shri Ajai Mishra, IFS, PCCF (Wildlife) (R) followed by a brief presentation. The various topics for this event were as follows:

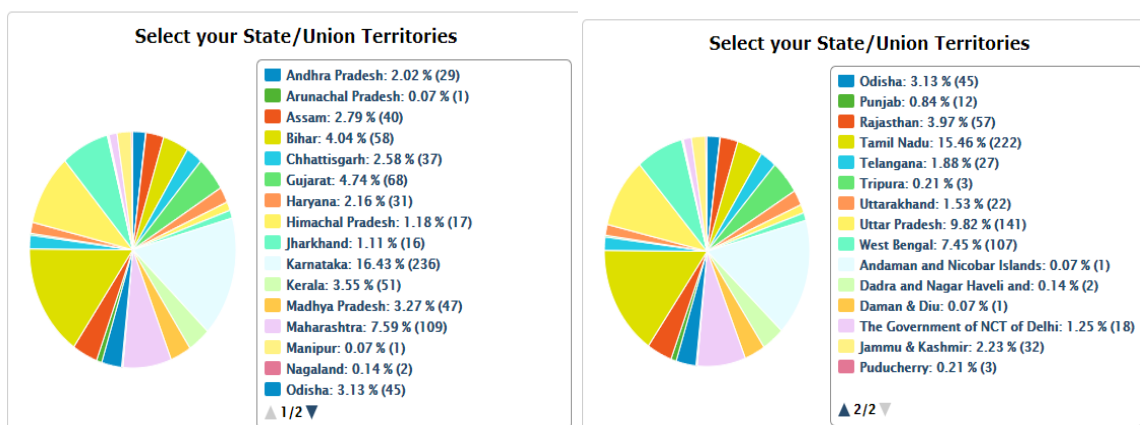
Topic 1: Significance of Ecosystems, by Dr K H Vinay Kumar-IFS (R), Director (Research), EMPRI & ENVIS Coordinator.

Topic 2: Importance of World Environment Day, by Shri T Mahesh-Technical Director, EMPRI

Topic 3: Ecosystem Restoration, by Dr M K Ramesh-Prof NLSIU.

The programme concluded with presidential remarks by Director General, EMPRI.

- C) A **Poster** was released on the theme: **Ecosystem Restoration**.



State wise participation percentage



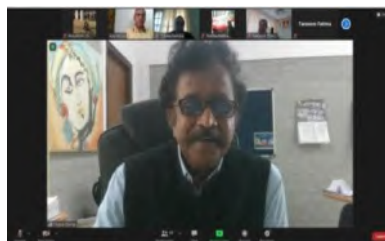
Advertisement for Online Quiz Competition



Poster



Key note address presented by Shri Ajai Mishra, IFS, PCCF (Wildlife) (R)



Talk on Significance of Ecosystems by Dr. K H Vinay Kumar, IFS (R), Director (Research), EMPRI & ENVIS Coordinator



Talk on Importance of World Environment Day by Shri T Mahesh, Technical Director, EMPRI

Glimpses from the Webinar

41. Kerala State Council for Science, Technology and Environment (KSCSTE)

The ENVIS Hub, KSCSTE, Kerala and the Department of Environment, Government of Kerala jointly organised state level programmes through the online platform on 05th June 2021 at 11 a.m.

The programme was inaugurated by the by Hon'ble Chief Minister of Kerala-Shri PinarayiVijayan. He stated that as the man and nature complement each other, the only way forward is through sustainable development. He further added that the development does not mean industrialisation alone, instead it also includes agriculture and waste management. He opined that the State Action Plan on Climate change needs to be revised in a timely manner, and pointed out that the Government has decided to implement a housing system that ensures protection from climate change. Further he called for scientific measures for waste management and stressed on the need for public transport to switch over to green fuels.

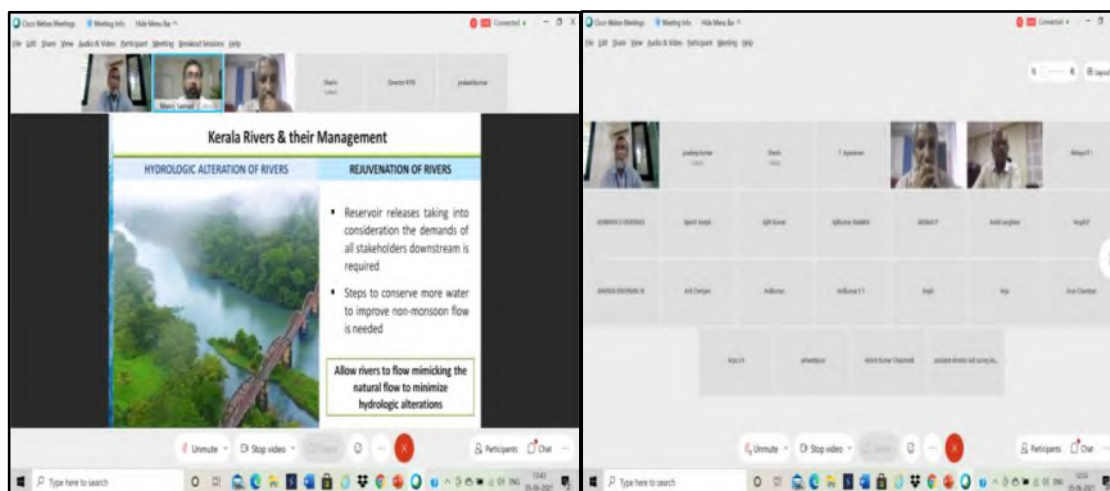
Prof.KPSudheer, Principal Secretary, S&T Dept. and Executive Vice President, KSCSTE welcomed the gathering. Dr V Venu, IAS, Additional Chief Secretary, Environment Department, Kerala presided over the function. ShriVKUniyal, Former Principal Chief Conservator of Forests delivered the keynote address.

Prof. T Jayaraman, Former Member, State Planning Board, Kerala gave an expert talk on nature-based solutions during the event. Er Pradeep Kumar AB, Chairman, Kerala State Pollution Control Board presented various aspects of eco restoration programmes during the function. Dr R Chandrasekhar, IAS, Director, Department of Environment and Climate Change Kerala discussed the highlights of Eco restoration initiatives.

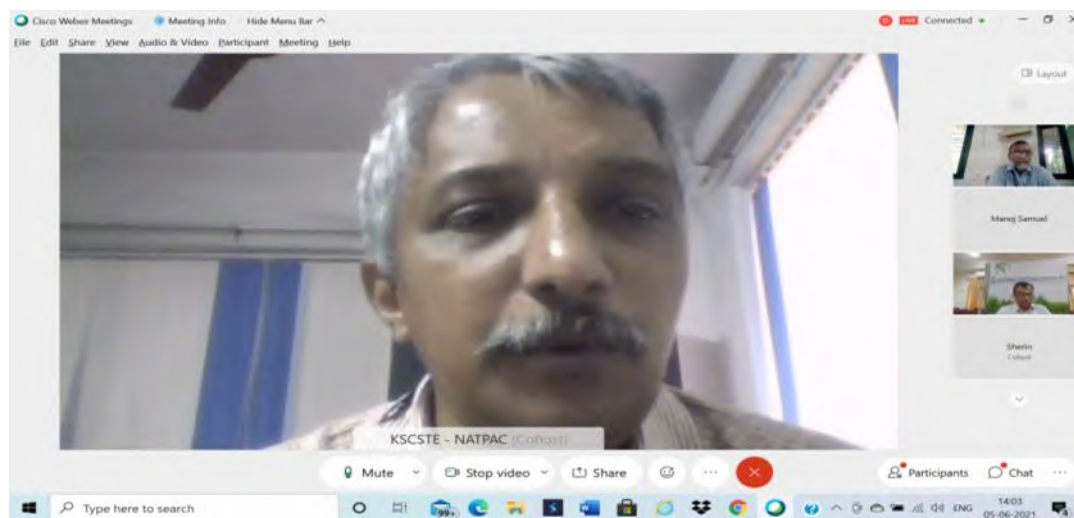
Various eco restoration programmes carried out by KSCSTE R&D centers were also discussed during the programme by the respective directors: Dr R Prakash Kumar, Director, JNTBGRI; Dr SyamViswanath, Director, KFRI; Dr Manoj P Samuel, Executive Director, CWRDM; Dr Pradeep, Senior Scientist, MBGIPS; and others. The event ended with a formal vote of thanks by Dr P Harinarayanan, Principal Scientist and ENVIS Coordinator, Kerala.



Kerala Chief Minister Shri Pinarayi Vijayan inaugurating the event



Technical Session on the Focal Theme Eco-restoration programmes



Vote of thanks by Dr P Harinarayanan, ENVIS Coordinator Kerala

42. State Environment Department, Maharashtra

The ENVIS Hub at Environment & Climate Change Dept., Maharashtra Government conducted the online award ceremony on June 05, 2021 for successful completion of MajhiVasundharaAbhiyan. This abhiyan was launched on October 02, 2020 by honourable Minister, Environment and Climate Change where the Municipal Corporations, Councils, Nagar Parishad, and Nagar Panchayat worked on Panchmahabhut (Earth, Air, Water, Sky, Energy). This ensured sustainable development for the state, including enhancement of green cover and biodiversity, building solid waste management infrastructure, taking steps for water conservation, improving energy efficiency, and getting citizens to take the MajhiVasundhara e-pledge to show their commitment towards protecting the environment.

Hon'ble Chief Minister, Shri UddhavThakeray, chaired the MajhiVasundhara Award ceremony 2021. List of winners are mentioned below:

Sl.		1 st Prize	2 nd Prize	3 rd Prize	Consolation Prize
1	Gram Panchayat	Pimpalgaonbasvant (Nashik)	Mirajgaon (Ahmadnagar)	Chinaval (Jalgaon)	Pahurpeth (Jalgaon), Lonibudruk (Ahmadnagar)
2	Nagar Panchayat	Shirdi (Ahmadnagar)	Karjat (Ahmadnagar)	Malkapur (Niphad)	Niphad (Nashik), Muktainagar (Jalgaon)
3	Nagar Parishad	Hingoli	Karad	Jamner	Parali (Beed), Vaijapur (Aurangabad), Sangamner (Ahmanagar)
4	Amrut Cities	Thane Municipal Corporation	Navi Mumbai Municipal Corporation	Brihan-mumbai Municipal Corporation	1. Pune Municipal Corporation, 2. Nashik Municipal Corporation, Barshi (Solapur) Nagarparishad
5	District Collector	Collector Mr. AbhijitRaut-Jalgaon Collector Mr. RajendraBhosale-Ahmadnagar	Collector Dr. Rajesh Deshmukh-Pune Collector Mr. Shekhar Singh-Satara		Collector Mr. SurajMandhare-Nashik
6	ZillaParishad	CEO Dr.B.N.Patil-Jalgaon	CEO Mr. RajendraKshirsagar-Ahmadnagar	CEO Mrs. LeenaBansode-Nashik	Commissioner-Ms. Radhakrushn Game- Nashik



Glimpses from the ceremony

43. Mizoram Pollution Control Board

The Mizoram ENVIS Hub joined hands with its host institute-Mizoram Pollution Control Board (MPCB), the State Nodal Agency for National Green Corps (NGC)-Eco Club-and organized various activities. Details are as follows:

- A) An **e-Poster** was released for urging the public to do their part in ecosystem protection. It was widely disseminated through the social media platform and the hub's website (Fig. 1).
- B) An online **Article Writing Competitions** was organized for the Mizoram School Eco-Clubs aiming to impart the need for environmental protection among the students (Fig. 2). The topic was: **TuihnaHumhalh (Preserving of Water Sources)**. Around **127 entries** were received and the winning articles were circulated through various sources, like local newspapers, hub's website and Facebook page. Result of the competition is given below:

Position	Name	Class	School
First	Mr. Zothanpuia	X	Govt. Bethlehem Vengthlang High School, Aizawl
Second	Ms. Hannah C. Zoremsangi	IX	Rosebud School, Aizawl
Third	Mr. Jeffrey Zorinpuia	X	Synod Higher Sec. School, Aizawl

- C) An online **Short Speech Competition** was organized for the Mizoram College Eco-Club students, upon the theme: **Ecosystem Restoration**(Fig. 3). Total **19 entries** were received and the video clips of the winners were widely circulated through the social media platform. Result of the competition is given below:

Position	Name	Class	College
First	Mr. Lalrempuia	04 th Semester (Department of Education)	Govt. Lawngtlai College
Second	Ms. Joyce Lalhminghlui	04 th Semester, (Beauty Culture and Cosmetology Department)	Women's Polytechnic, Aizawl
Third	Ms. Lalramnghaki	06 th Semester (Department of Education)	Govt. Johnson College, Aizawl

- D) A **Webinar** on the theme: **Ecosystem Restoration** was conducted on June 05, 2021 (Fig. 4). Around **366 participants** comprising of general public, environmentalists, students and teaching faculties from all over the State attended it. The event was hosted by Dr. Lalramnghaki Pachuau, Coordinator, Mizoram ENVIS Hub and Scientist 'B', MPCB. It started with a keynote address by Mr C. Laldhawma, State Nodal Officer, NGC-Eco Club and Member Secretary, MPCB. The three resource persons designated for the webinar were: Mr PC

Laltanpuia (MFS), Deputy Conservator of Forest (HQS), EF&CC; Mr K Lalmuansanga, President, ASEP; and Dr David C Vanlalfakawma, Asst. Professor, Dept of Forestry, MZU. They delivered lectures on various topics significant to the theme of WED-2021. Discussions among the participants and the speakers was a success. Results of the online competitions were also announced during the webinar.

The webinar concluded with a vote of thanks from Mr K Vanlalfamkima, P.O, Mizoram ENVIS Hub.

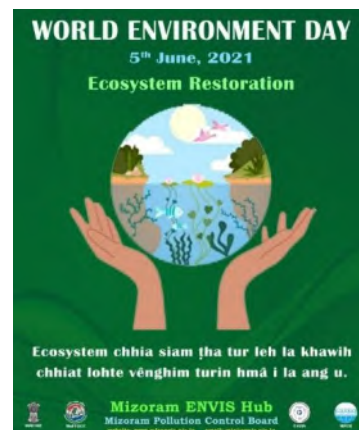


Fig. 4



Fig. 2



Fig. 3



Fig. 4

44. Centre for Environmental Studies (CES), Forest & Environment Department, Government of Odisha

On this occasion the CES-Odisha organized a **Webinar** through Zoom application at 11:00 a.m., on the theme: **Ecosystem Restoration**.

The Chief Guest, Shri Sisir Ratho, IFS, Principal Chief Conservator of Forests & HoFF highlighted various environmental issues, remedies, initiatives and called out for individual efforts. He also commended the **155 organizations and 168 individuals** who were awarded the PrakrutiMitra and PrakrutiBandhu, respectively, for their outstanding work in protecting the environment.

Shri Prem Kumar Jha, IFS, Director of the Center for Environmental Studies and ENVIS Coordinator presented the welcome address and highlighted the balance maintenance in today's environment and the roles and success of various eco-clubs in environmental protection. He propagated the Green Skill Development Programme and the other related activities under ENVIS mandate, which involved the local communities.

The event ended with vote of thanks from Shri Pravat Mohan Dash, Programme Officer, CES-ENVIS, Odisha.

The following Guests of Honour had graced the event:

- i. Shri Sushant Nanda, IFS, Director, Environment-cum-Special Secretary briefed on the need for ecosystem restoration and shared various steps taken by the Department of Forests, Environment and Climate Change.
- ii. Dr K Murugasan, IFS, Member Secretary of the Odisha State Pollution Control Board stressed upon the importance of environmental protection by giving various examples related to the theme.
- iii. Dr B K Patnaik, IFS (Rtd.) Former Principal Chief Conservator of Forest (Wildlife) gave details on protecting the environment with everyone's cooperation.
- iv. Dr Chinmay Pradhan, Associate Professor & Head of Botany, Utkal University presented the environmental problems in the mining area and the various successful environmental improvements.



Flyer of the Webinar

45. Punjab State Council for Science and Technology (PSCST)

The Punjab ENVIS Hub at Punjab State Council for Science and Technology conducted various online and inter-school competitions June 03-05, 2021. Total **450 students** from different schools of Jalandhar, Kapurthala, Amritsar, Tarn-Taran and Ludhiana districts along with Jamshedpur participated and showcased their artistic outlook by following the tagline of the events- Reimagine, Recreate and Restore. Following are the details of the same (Fig. 1):

A) A Trash to Treasure competition was conducted for encouraging students to recycle & reuse products, and generate less waste. Total **65 students** participated and given below are the winners:

- **First:** Manayata, Swami SantDass Public School, Jalandhar.
 - **Second:** Sudipa, HVM Collegiate Sr. Sec. School.
 - **Third:** Jayanti Bansal, DAV Public School, Pakhowal.
- B) A Slogan Writing competition** was held to ignite imagination and creativity in the students (Fig. 2). Total **120 students** participated in the competition in both English & Punjabi languages. Following students are the winners:
- **First:** Samridhi Garg, DAV Public School, Pakhowal Road, Ludhiana.
 - **Second:** Harsimar Singh Chaggar of DAV Public School, Pakhowal Road.
 - **Third:** Kritika of Swami SantDass Public School, Jalandhar.

C) A One Minute Video Message competition was organized where students made a one-minute video by recording their personal messages (in English / Hindi / Punjabi) on current year's WED theme. Total **60 students** submitted their videos and the following are the winners:

- **First:** Arsheen Kaur, Swami SantDass Public School, Jalandhar.
- **Second:** Tanvi, DAV Public School, Pakhowal Road, Ludhiana.
- **Third:** Pragati, Swami SantDass Public School, Jalandhar; and Adeeti, HVM Collegiate Sr. Sec. School.

D) A Poster Making competition was conducted for the students (Fig. 3). Total 200 entries were received and the following are the winners:

- **First:** Shrishti Nautiyal, B.S.F. Sr. Sec. School.
- **Second:** Ayush Kumar Jha, DAV Public School Bistupur, Jamshedpur.
- **Third:** Manjot, Swami SantDass Public School, Jalandhar.
- **Consolation:** Mehak Chopra, HVM Collegiate Sr. Sec. School; and Musahida, Govt. Girls Sr. Sec. School, Nehru Garden Jalandhar.

E) A Plantation Drive was conducted in and around the HVM campus, Jalandhar by planting different medicinal and ornamental plants (Fig. 4).

F) A Webinar on the theme: **Environment Conservation and Sustainability** was organised on May 07, 2021 for the college students and total **100 participants**

attended the same. Expert talks were presented by Dr Adarsh Pal, Director HRDC, GNDU, Amritsar on **Biodiversity Restoration in Punjab** and by Dr Chander Prakash, IKGPTU, Kapurthala on **Environment Conservation & Sustainable Development**(Fig. 5). A virtual tour of the Green Campus of HMV was provided to the participants. An online Award Ceremony of winners of various online competitions was also held and the winners shared their views on World Environment Day and its celebration.

- G) The ENVIS Hub also actively participated in motivating the Eco-clubs of the region for celebrating the WED-2021 by developing the **resource material** and disseminate the information via social media, emails, and WhatsApp (Fig. 6).



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

46. Forest and Environment Department, Sikkim

- A) The Forest and Environment Department at Sikkim steered the state-wide celebration of the WED by organizing a **Symbolic Plantation drive** on a much-reduced scale followed by flagging of the fire tenders (total 4) by Shri Ganga Prasad, Hon'ble Governor of Sikkim (Fig. 1) and Shri Prem Singh Tamang, Hon'ble Chief Minister at Raj Bhawan premises (Fig. 2)

This event engaged all sections of the society.

This department also carried out **District-wise plantation** at respective districts and blocks with other dignitaries at local levels duly following social distancing and the Covid-19 SoPs. The events were coordinated by DFOs of Environment & Soil Conservation, Territorial, Social Forestry and Wildlife divisions of respective districts. Plantation drives were carried out at Gyalshing, DAC complex in presence of DC West, Sr. SP West, SDM Gyalshing, DFO (E&SC), ACF (E&SC), ACF (T), and Block Officers along with Nursery Staffs of E&SC & Territorial Division of West District (Fig. 3). Seedling distribution booths were set up to avail plantation stock for local public, NGOs, JFMCs, EDCs and other local bodies and aid them in plantation at institutional premises, government office premises, barren lands, private holdings, forest areas, etc.

At the Soreng Sub-division under Soil Conservation and Territorial the Chief guest was Shri M N Subba, Advisor Sports and Youth Department, Government of Sikkim (Fig. 4). Total 50 different plant species were planted.

At Pakyong East Sikkim, Sub-Division officers and staff along with Hon'ble area MLA (Namcheybong), Advisor, ADC, SDM, D.E (Power), police personals, line department officers, JFMC executive members and the local public planted flowering species (Fig. 5). Seedlings of different plant varieties were also distributed to the local public.

Plantation drive was also carried out at the Kitam Bird Sanctuary premises in South Sikkim which involved frontline staffs of Wildlife South division (Fig. 6). Plantation was done mostly along the roadside of the sanctuary.

The JFMC President of Rateypani participated in the plantation of 250 saplings of bougainvillea, tankiphul, jarul and other flowering species, at the Melli (Territorial) Range (Fig. 7).

Various cooperative societies, like Padamchey multi-purpose Cooperative Society Ltd (MPCS), Namcheybong MPCS from the east district, Hee-Gyathang MPCS, Mayel MPCS, Phensang MPCS and Tingchim Chadey MPCS from the north district fulfilled their responsibilities by plantation of various species at their

complexes and compounds, carrying out cleanliness activities in their localities, and propagating restoration and preservation of ecosystem (Fig. 8).

- B) Various Online Events on quiz, painting and drawing, slogan writing, open photography, and short video contest were organized for students of schools, colleges, and the general public. These activities were conducted via 05 different events categorized into 9 sections. Active participation was observed from the students of Sumin Lingchey Secondary School, Singtam and Rey Valley International School (45 students). The winners were awarded cash prizes up to INR 20,000 which was supported by the State Environment Agency of Forest and Environment Department, Government of Sikkim.

These events were hosted on the Sikkim ENVIS website www.sikenvis.nic.in and the entries were accepted from June 01-05, 2021, till 5 p.m. which recorded **6985 participations** in various categories. The online quiz on three categories were conducted live for 30 minutes on June 05, 2021 from 11:00 a.m. to 11:20 a.m.

- C) This ENVIS Hub had carried out **Media Publicity** while actively coordinating the pre-event propagation activities such as:

- Message (English and Hindi) of the Hon'ble Governor of Sikkim Shri Ganga Prasad was published in social media, print and e-media.
- Message (English) of the Hon'ble Chief Minister of Sikkim Shri Prem Singh Tamang was published in social media, print and e-media.
- AV Message (English and Nepali) of the Hon'ble Minister Forest Shri Karma Loday Bhutia was published in social media (Youtube: <https://www.youtube.com/watch?v=VS-WS7OrYsM>, Facebook, ENVIS website) (Fig. 9).
- AV Message (English and Nepali) of the Addl. Chief Secretary cum PCCF Shri M L Srivastava IFS in social media (Sikkim Chronicle - Facebook channel) (Fig. 10).
- Prepared both printed and digital hoardings which were circulated and they reached more than **20000 viewers** (Fig. 11).
- Day-long broadcast of jingles and clips of messages of the dignitaries via radio and FM media on June 05, 2021.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

Winners of the Online Quiz Competition		
held on JUNE 5, 2021 (11.00 am to 11.30 am)		
ON THE OCCASION OF WORLD ENVIRONMENT DAY		
THEME "ECOSYSTEM RESTORATION"		
Primary Students (H Class 5) - [Total participants: 530]		
1 st Akash Kumar Class 5, Mishra International School, Bansal, Gangtok, East Sikkim Cash Prize: Rs. 5,000	2 nd Anshu Kumar Class 5, Beyang Primary School, Bansal, Gangtok, East Sikkim Cash Prize: Rs. 5,000	3 rd Tanishka Chatterjee Class 5, Bhagwan Academy, Bansal, Gangtok, East Sikkim Cash Prize: Rs. 5,000
Students of Class 6 to 12 - [Total participants: 400]		
1 st Nishu Singh Class 10, St. Xavier's Public School, A/D-Beyang, West Sikkim Cash Prize: Rs. 5,000	2 nd Anshu Sharma Class 8, St. Xavier's Public School, A/D-Beyang, West Sikkim Cash Prize: Rs. 5,000	3 rd Nishu Singh Class 10, St. Xavier's Public School, A/D-Beyang, West Sikkim Cash Prize: Rs. 5,000
College Students - [Total participants: 200]		
1 st Bhavika Sharma BBA, St. Xavier's Public School, A/D-Beyang, West Sikkim Cash Prize: Rs. 10,000	2 nd Anshu Kumar BBA, St. Xavier's Public School, A/D-Beyang, West Sikkim Cash Prize: Rs. 5,000	3 rd Akash Kumar BBA, St. Xavier's Public School, A/D-Beyang, West Sikkim Cash Prize: Rs. 5,000
Results posted on 05.06.2021 - 3 PM		
Total Participants: 1130		
Note: All participants will be issued a Certificate which may be Downloaded by 15th June, 2021. Download link will be updated soon. Winners shall be contacted by our office.		
Keep visiting our website www.sikenvs.nic.in [then see links under Major Activity section]		
Organized by Sikkim ENVIS Unit, Forest and Environment Department, Government of Sikkim Gangtok, Gangtok, Sikkim - 737103		

Winners of the Online events



Dignitaries with ENVIS Team at the Symbolic Plantation Drive

47. Department of Environment, Govt. of Tamil Nadu

The ENVIS Hub at the Department of Environment in collaboration with Chennai District National Green Corps (NGC) have conducted a **Webinar** on June 05, 2021. The Technical support was provided by the Mahalashmi Women's College of Arts& Science, Avadi, Chennai.

The webinar was held on the theme **Ecosystem Restoration** whose aim was to cultivate among the NGC students and NGC teacher coordinator about the importance of World Environment Day. Around **958 participated** through Zoom and YouTube links.

The inaugural address was presented by DrNBhuma, Principal, Mahalashmi Women's College of Arts& Science, Avadi, Chennai. DrKMuthukumar, Programme Officer explained the programme followed by MrGThangaraj, Guest speaker, who explained the role of National Green Corps in Tamil Nadu on the topic: **Role of NGC activities in Tamil Nadu for protection of Environment**(Fig. 1). He also explained the Tree plantation, Natural camp, Drawing competition, Quiz competition etc. MrSSaravanan, Coordinator-EE, WWF-India explained ecosystem restoration activities in Tamil Nadu on the topic: **Role WWF India in Ecosystem Restoration in Tamil Nadu**. MsKPavithra, thanked the participants.

A second webinar was held on 04.06.2021 for the NGC students and NGC teacher coordinator. Around **267 participated** from different schools, Colleges and institutions and **887 persons viewed** it on YouTube.

MrGThangaraj presented the welcome address followed by the inaugural address by DrNJayakumar, Principal, Sri Vasavi College, Erode. DrK Muthukumar and DrN Jayakumar spoke on the Environment Day and the guest speaker-MsNGomathi, Interpretation Executive, Chennai River Restoration Trust-explained coastal eco restoration and its importance in Chennai on the topic: **Coastal Ecosystem and its importance**. Another speaker, DrGV Gopinath, Asst. Professor, Dept of Zoology, Arumugam Pillai Seethai Ammal College, spoke on: **Birds sanctuary and its importance** (Fig. 2). DrA Chandrakala thanked the participants.

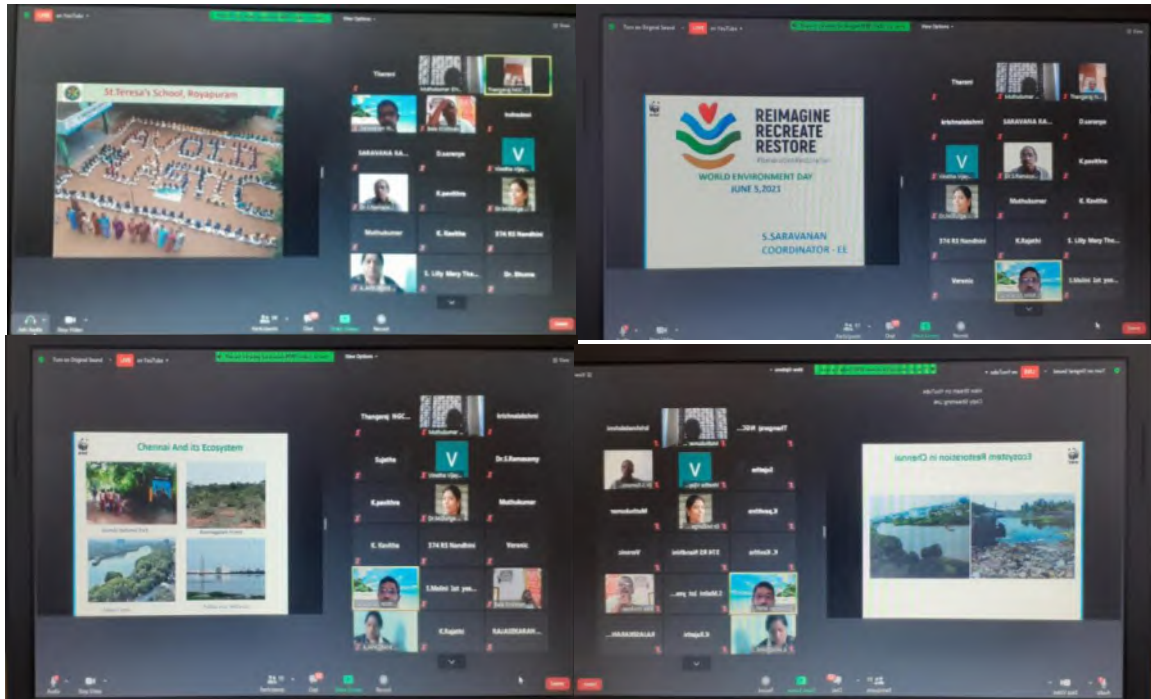


Fig. 1

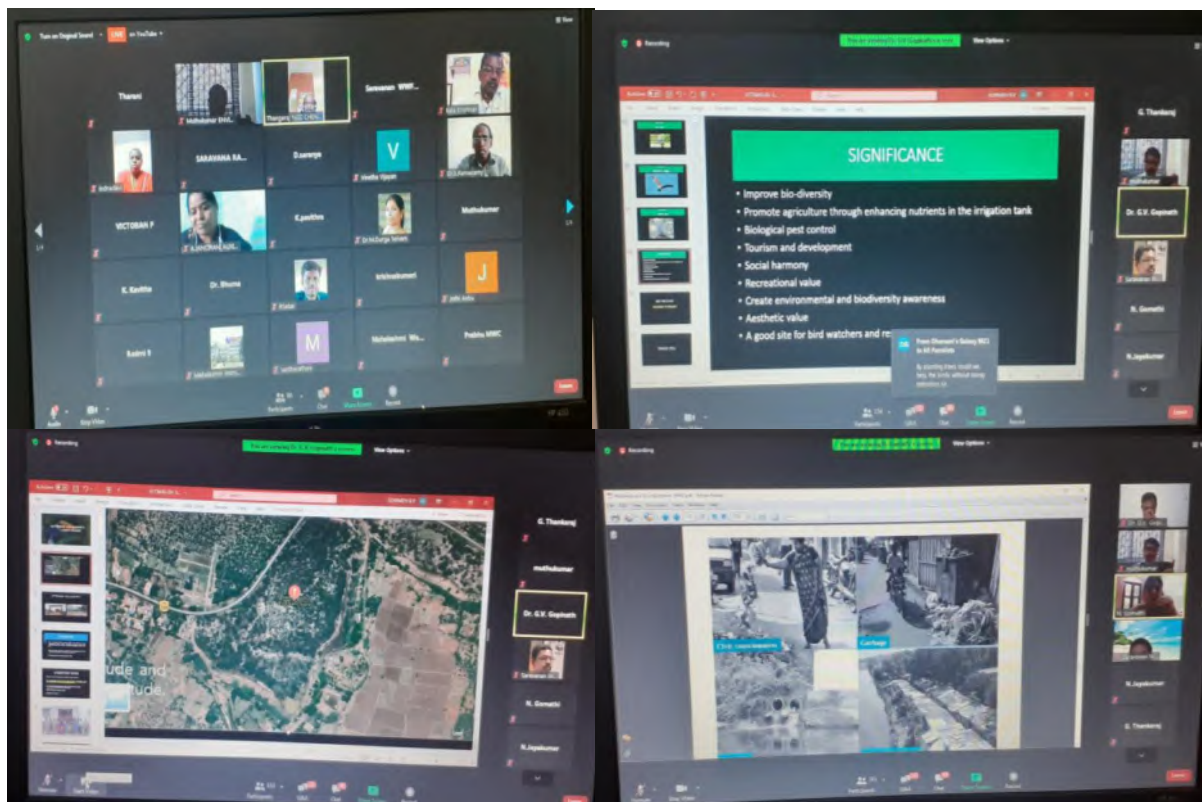


Fig. 2

48. Uttarakhand Pollution Control Board

The ENVIS Resource Partner on Wildlife and Protected Areas at the Wildlife Institute of India, Dehradun celebrated this occasion in collaboration with ENVIS HUB at the Uttarakhand Pollution Control Board Dehradun and Centre for Public Policy and Good Governance (CPPGG), Uttarakhand, which saw more than **310 participants**. The details are:

A **Webinar** in collaboration with CPPGG was organized to sensitize the Govt. officials, field level staff including student community, and general public, towards ecosystem restoration, climate change mitigations and biodiversity conservation (Fig. 1). The target group was from the Forest and Environment Department, Panchayati Raj Department and students. Ms Sharon Jacob, Communication and Training Specialist at CPPGG welcomed all, DrManoj Kumar Pant, Addl. Chief Executive Officer, CPPGG, Planning Department gave a welcome address, and Dr Dhananjai Mohan, IFS, Director, Wildlife Institute of India, Dehradun inaugurated the webinar. The details of the technical session are as follows (Fig. 2):

- **Topic: Invasive Species Management in Wildlife Habitat Restoration and Livelihood Generation:** Speaker - Dr. K. Sivakumar, Scientist- F and ENVIS Coordinator, Wildlife Institute of India, Dehradun.
- **Topic: Strengthening Governance for Restoring Ecosystems:** Speaker-Dr.Nasim Ahmad Ansari, Project Scientist, Wildlife Institute of India, Dehradun.
- **Topic: Nature based solutions for Ecosystem Restorations:** Speaker-Dr Nihal Anwar Siddiqui, Professor and Program Director Health, Safety & Environment & Civil Engineering, University of Petroleum and Energy Studies (UPES), Dehradun.

Dr Anju Baroth, Scientist-C & ENVIS Co-Coordinator, Wildlife Institute of India, lead the Question Answer session and Amir Lone, IT Officer/GIS Expert, ENVIS, Wildlife Institute of India gave the vote of thanks.

B) An **Online Photography Competition** was organized by MOEF&CC's ENVIS Hub and Resource Partner, at Uttarakhand Pollution Control Board, Dehradun and Wildlife Institute of India, Dehradun under **Ek Bharat Shrestha Bharat**. A total of **53 entries** were received for the contest under theme: **Ecosystem Restoration**(Fig. 3).

C) An **Online Poster Making Competition** was organized by MOEF&CC's ENVIS Hub and Resource Partner, at Uttarakhand Pollution Control Board and Wildlife Institute of India, Dehradun under **Ek Bharat Shrestha Bharat Programmewith**

the theme: **Ecosystem Restoration is a natural solution for climate change** for classes up to 12. A total of **47** entries were received for the contest (Fig. 4).

- D) An Online Slogan Writing Competition was organized by MOEF&CC's ENVIS Hub and Resource Partner, at Uttarakhand Pollution Control Board and Wildlife Institute of India, Dehradun under Ek Bharat Shrestha Bharat Programme with the theme: **Ecosystem Restoration for better life**. A total of **67** entries were received in several languages (Fig. 5).



Fig. 1

WORLD ENVIRONMENT DAY 05 JUNE 2021

A Joint Webinar
organized by
ENVIS Resource Partner- Wildlife Institute of India (WII), Dehradun
&
Centre for Public Policy and Good Governance (CPPGG), Uttarakhand

'Restoring Our Ecosystem For Sustainable Living'

JUNE 5TH, 2021
10:30 AM - 11:30 AM

WEBINAR LINK: <https://jundp.zoom.us/j/83663507397>

SPEAKERS

Dr. K. Sivakumar- Scientist -F & ENVIS Coordinator WII
Dr. Nasim Ahmad Ansari- Project Scientist (MEE) WII
Dr. Nihal Anwar Siddiqui, Professor UPES Dehradun

**REIMAGINE
RECREATE
RESTORE**

#GenerationRestoration

ENVIS India: Working Towards a Sustainable Environment

#WED2021 Agenda #WED2021

Theme	Time Slot	Organization	Key Resource Person/ Panelist
Brief introduction of panelist	3 Minutes (10.30 am- 10.33am)	CPPGG	Sharon Jacob, Communication & Training Specialist
Welcome Address & Objective of the webinar	5 Minutes (10.33- 10.38 am)	CPPGG, Planning Department	Dr Manoj Pant, Addl. Chief Executive Officer, CPPGG
Inaugural Speech	5 Minutes (10.38 am- 10.43 am)	Wildlife Institute of India (WII), Dehradun	Dr. Dhananjay Mohan, IFS Director, Wildlife Institute of India, Dehradun
Technical Presentations			
Invasive Species Management in Wildlife Habitat Restoration and Livelihood Generation	(10.43 am- 11.00 am)	ENVIS Centre, Wildlife Institute of India (WII), Dehradun	Dr. K. Sivakumar Scientist -F & WII-ENVIS Coordinator
Strengthening Governance for Restoring Ecosystems	(11.00 am- 11.15 am)	Wildlife Institute of India (WII), Dehradun	Dr. Nasim Ahmad Ansari-Project Scientist (MEE) Wildlife Institute of India, Dehradun
Nature based solutions for Ecosystem Restorations	(11.15am-11.30 am)	UPES University, Dehradun	Dr. Nihal Anwar Siddiqui, Professor and Program Director, Health Safety and Environmental Engineering Department, UPES University
Q & A Session & Vote of Thanks	(11.30am-11.35am)	WII- ENVIS/ CPPGG	Dr. Anup Barchhi, Scientist C- WII & ENVIS Co- Coordinator, Ranjan Kumar Borah, CPPGG; Mr. Anir M. Looz, ENVIS Centre, WII

CPPGG: Centre for Public Policy and Good Governance
WII: Wildlife Institute of India
ENVIS: Environment Information System
UPES: University of Petroleum and Energy Studies

**REIMAGINE
RECREATE
RESTORE**

#GenerationRestoration

ENVIS India: Working Towards a Sustainable Environment

Fig. 2



Fig. 3



Fig. 4

प्राणवायु के दाता हैं हम, हम ही से है ये रत्नगर्भा, तो करो धरा को हरा भरा, ताकि पुनर्जीवित हो उठे हमारी वसुंधरा।

Don't make trees rare, keep them with care. Otherwise be ready to pay fare, for a world with everything rare

संवर्धन प्रकृति का, अंकुर नवनिर्माण का !

Save the green & blue before our future generation has to paint everything black

Society establishment minus ecosystem restoration is equal to chaos and destruction

कभी ना होगा मानव जाति का मंगल, काट दिये यदि इसने जंगल।

पर्यावरण संरक्षण के कागज़ी घोड़े मत दौड़ाओ, हे! मनुष्य, अगर सच में हिम्मत रखते हो, तो घर-घर में तुम वृक्ष लगाओ।

सहस्र वनों का सृजन कर, महामारी को मार भगाओ; साँसों को साँसों का उपहार दिलाओ।

WORLD ENVIRONMENT DAY
05 June 2021

Slogan Writing Competition Winners

Pooja Bansal
1st Prize:

Prashant Raj
2nd Prize:

Akshay Ishwar Mankar
2nd Prize:

Kota Mahidhar
3rd Prize:

Chandresh Bansal
Appreciation

Aryan Yadav
3rd Prize:

Priyanjali Pokhariya
Appreciation

Vaishnavi M. Saxena
Appreciation

Fig. 5

49. Department of Environment - Chandigarh

- A) The ENVIS Hub at the Department of Environment, Chandigarh Administration in collaboration with the local NGO initiated an **Inter-School Short Mobile Video Contest** on the theme: **Correlation of Viruses, Environment & Humans** for the students of the local schools. It required the students to learn and understand the correlations between past, present viruses, environment, and humans and later, based on their observations submit a short mobile video of less than three minutes in any language. Within a week over **600** short videos got posted by students from **35** prominent schools in the city.

Following is the list of winners:

Junior category (best five winners): AishanaKaushal, St. Joseph's Sr. Sec. School; Ojaswi Agarwal, BhavanVidyalaya Jr.; Deepanshu Garg, Gurukul Global School; KhushiPuri, Kids 'n' Kids School; and Manya, ManavMangal School, Chandigarh.

Senior category (best seven winners): Shubhdeep Kaur, GMSSS 37B; AkshitTaneja, St. Stephen's School; KhushiSheoran, BhavanVidyalaya, Sec 27C; Arav Singh Kharola, ManavMangal School; AavniAgnihotri, Kids 'R' Kids School; HunarNangru, Gurukul Global School; and Shivangi Bhardwaj, St. Joseph's Sr. Sec. School.

Teachers (best five winners): Shivani Sharma, Harmanjeet Kaur, Kanwaljit Kaur, and Jagdeep Kaur of ManavMangal School; Rajyasari, St. Joseph's Sr. Sec. School; and Parminder Kaur, Kids 'R' Kids School.

Following Schools with maximum students' participation:

1. Gurukul Global School, Chandigarh
2. ManavMangal School, Chandigarh
3. Kids 'R' Kids School, Chandigarh

Winning Entries by students: Winning Entries by teachers:

<https://youtu.be/D1amLTz69nw>
<https://youtu.be/AVkqRblilDg>
<https://youtu.be/WauxjpwpLnw>
<https://youtu.be/hqPyWYpgPVI>
<https://youtu.be/9BRbl3azmDI>
<https://youtu.be/1-fnsk1ZlrUv>
<https://youtu.be/7EGEDfELMco>

<https://youtu.be/zr3oTE1FS3g>
https://youtu.be/_DYbZWYQmZU
<https://youtu.be/wn6AvWWtbKM>
<https://youtu.be/xBjP3yi1Gfc>
youtu.be/EKQVtvWQ9so
<https://youtu.be/QE4yqZK6RLA>

- B) While observing all COVID-19 protocols the Principals & Eco-Club Incharge teachers were honored with **BEST ECO CLUB AWARDS-2020** (Fig. 1). The inspiring work of Eco Clubs in Schools were appreciated by ShDebendra Dalai, IFS, CCF cum Director, Department of Environment, and he added that these green initiatives empower students to participate and take up meaningful environmental activities and projects. It is a forum through which students can reach out to influence, engage their parents and neighbourhood communities to

promote sound environmental behavior. Eco Clubs also empower students to explore environmental concepts and actions beyond the confines of a syllabus or curriculum. While everyone, everywhere, asserts the importance of 'learning to live sustainably,' the environment remains a peripheral issue in the formal schooling system. It is not just an extracurricular activity but a must for all the people at all times.

The winners of State Level Best Eco Club Awards - 2020 are:

Primary/Middle School -Category (Best Eco-Clubs Award - 2020)

Sr.	Name of the School	Eco-Club name
1	BharatiyaVidyaBhavans, BhavanVidyalaya (Junior) Sec.33, Chandigarh.	Vasundhara Eco-club
2	Govt. Middle School, Pocket No.6, Manimajra, U.T., Chandigarh	DharaBhusan Eco-club
3	Govt. Model Middle School, MHC, Manimajra Chandigarh.	PrakritSansatha Eco-Club

High/Sr. Sec. School - Category (Best Eco-Clubs Award - 2020)

Sr. No.	Name of the School	Eco-Club name
1	St. Joseph's Sr. Sec. School, Sector-44-D, Chandigarh.	Green Saviours Eco-Club
2	Govt. Girls Model Sr. Sec. School, Sec.18-C, Chandigarh.	Cassia Eco-Club
3	K.B. DAV Sr. Sec. Public School, Sector 7-B, Chandigarh	Go Green Eco-Club
4	AjitKaram Singh International Public (AKSIPS), Sector 41-B, Chandigarh.	Planet Pals Eco-Club
5	New Public School, Sec.18-B, Chandigarh.	Young Environmentalist Club -Eco-Club

College - Category (Best Environment Society Award - 2020)

Sr. No.	Name of the College	Environment Society name
1	Post Graduate Govt. College for Girls, Sector-11, Chd.	Prakriti Environment Society
2	Sri Guru Gobind Singh College, Sector-26, Chandigarh.	SGGS College Environmental Society
3	Post Graduate Govt. College for Girls, Sector-42, Chandigarh.	Srishti Environment Society

C) A ceremonial plantation was done at the City Forests Chandigarh to commemorate the World Environment Day (Fig. 2).



Fig. 1



Fig. 2

50. Puducherry Pollution Control Committee

The Department of Science, Technology & Environment, Puducherry Pollution Control Committee (PPCC) along with the ENVIS Hub and Puducherry Climate Change Cell (PCCC) organized the following activities from June 05 to 08, 2021.

- A) An **Online Quiz** competition was conducted on June 05, 2021 for the school students from 12-18 years old, on the topic: **Ecosystem Restoration**(Fig. 1). At preliminary round, **143 students** participated, from which 15 were selected for the final round. Three students were selected as winners in the event. E-certificates were issued for all the contestants.
- B) A **Webinar: Talk and Panel Discussion** was organized where Dr S Dinesh Kannan, IFS, Director (DST&E)-cum-Member Secretary (PPCC) welcomed the Expert, Panel Members, and participants and highlighted the importance of World Environment Day (Fig. 2).
 - **Webinar: Subject Expert's Talk** was delivered by Dr G Poyyamoli, Professor (Rtd), Department of Ecology & Environmental Science, Pondicherry University on: **Understanding Ecosystems of Puducherry and their restoration challenges**(Fig. 3). He briefed the characteristics of ecosystems, environmental problems and restoration challenges. He also highlighted the nature-based solutions in order to restore a resilient ecosystem.
 - Dr. S. Dinesh Kannan, IFS, Director and Dr. G. Poyyamoli, Professor, were the moderator of the panel discussion which mainly focused on the values of the ecosystem.
 - Dr. N. Ramesh, Senior Environmental Engineer, DSTE, discussed on the **Restoration of River Ecosystem in Puducherry**(Fig. 4). He emphasized on the issues and challenges facing Puducherry's water bodies and also briefed on the values of river ecosystem and the action taken by the PPCC in enforcement and restoration.
 - **Restoration of Tanks and Ponds Ecosystem in Puducherry** was discussed by Peobir Banerjee, Pondy CAN(Fig. 5). He highlighted the water initiatives carried out in Puducherry and also briefed on the integrated water resources management & rejuvenation of Ponds & Tanks in Puducherry.
 - Er. S. Arul, INTACH, discussed on the **Urban Ecosystem**(Fig. 6). He emphasized on the restoration of heritage buildings & urban green public places in Puducherry. He also highlighted the management plan and beautification of urban ecosystem.

- Dr. Selvamanikandan, Puducherry Environment and Mangrove Forest Development Protection Society, discussed on **Mangrove Ecosystem**(Fig. 7). He highlighted the problems and solutions for protection of mangrove forest in Puducherry.
- Shri. L. Pravin Kumar, Annapradokshana Charitable Trust discussed on **Forest Ecosystem and the Miyawaki forest creation**(Fig. 8). He highlighted the challenges faced and solutions for conserving forest ecosystem.

These Panel discussions can be viewed at:

<https://www.youtube.com/watch?v=y7Q4B8Ncx1w&t=8054s>

- C) An online **Poem competition**(English & Tamil) was organized for the public on the topic: **Ecosystem Restoration**(Fig. 9).
- D) A **Story Telling competition** was conducted for the students below 12 years on the topic: **Ecosystem Restoration**(Fig. 10).
- E) A **Poster Making competition** was conducted for the public on the topic: **Ecosystem Restoration**(Fig. 11).
- F) A poster and a pamphlet were digitally released as **Infographic** to propagate ecosystem conservation (Fig. 12, 13).

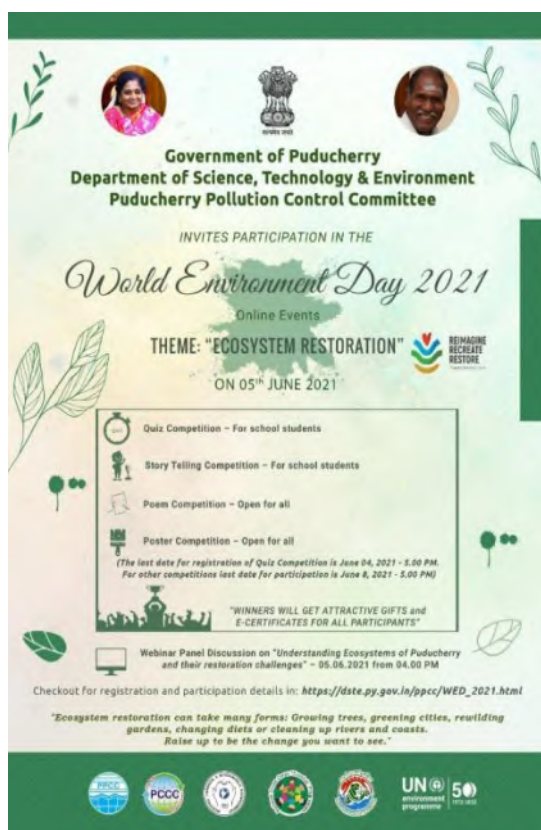


Fig. 1



Fig. 2



Fig. 3



Fig. 4

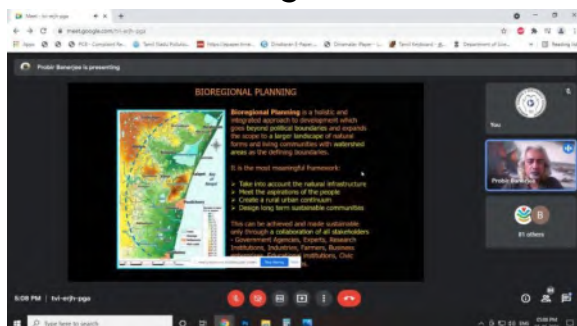


Fig. 5

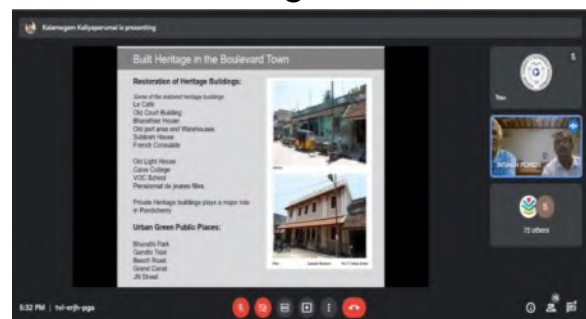


Fig. 6

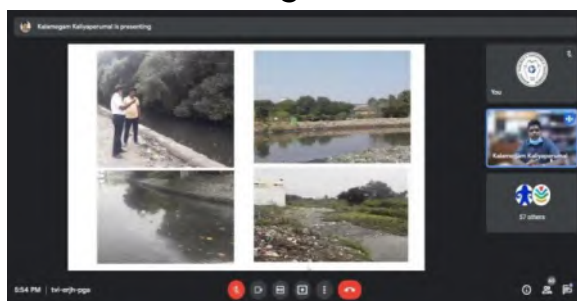


Fig. 7

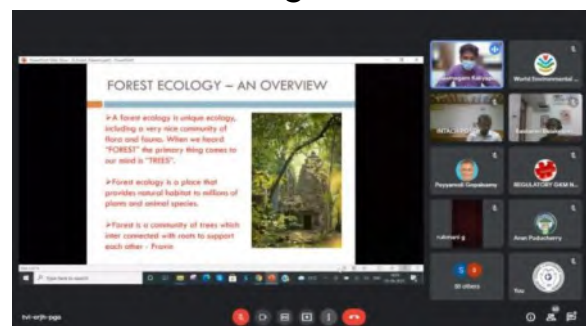


Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13

51. Nagaland Pollution Control Board

The ENVIS Hub Nagaland conducted various activities in collaboration with various schools, colleges and youth & student organizations keeping in line with the theme: Ecosystem Restoration. Altogether **15 schools, 03 colleges, and 03 local organizations** participated in the activities. The details of the activities are:

- A) A **Webinar on Waste Management** was conducted on June 04, 2021 in collaboration with the State College of Teacher Education wherein one of the resource persons was Ms. KhriehunuoRutsa, ITO, ENVIS Hub Nagaland. This event highlighted that a way to tackle the problem of ecosystem degradation is through proper and responsible waste management (Fig. 1).
- B) A **Tree and Flower Plantation** drive was carried out by the local youth and student organizations in the vicinity of their own localities. Schools and colleges also came forward to participate in the plantation drive by planting trees and flowers in the vicinity of their own homes (Fig. 2).
- C) A **Crafting Activity** was carried out with the primary school section, where the participants made paper bags and envelopes out of waste-paper and other decorative items from eco-friendly material (Fig. 3).
- D) A **Painting Activity** was carried out by students of higher sections (Classes VIII-X) where they tried to interpret the message of **Ecosystem Restoration** through paintings (Fig. 4).
- E) On this occasion 02 posters and a short video (Link: <https://www.youtube.com/watch?v=LWPU-sBe-WM>) on the theme was developed by the ENVIS Hub and shared across various online platforms (Fig. 5, 6).

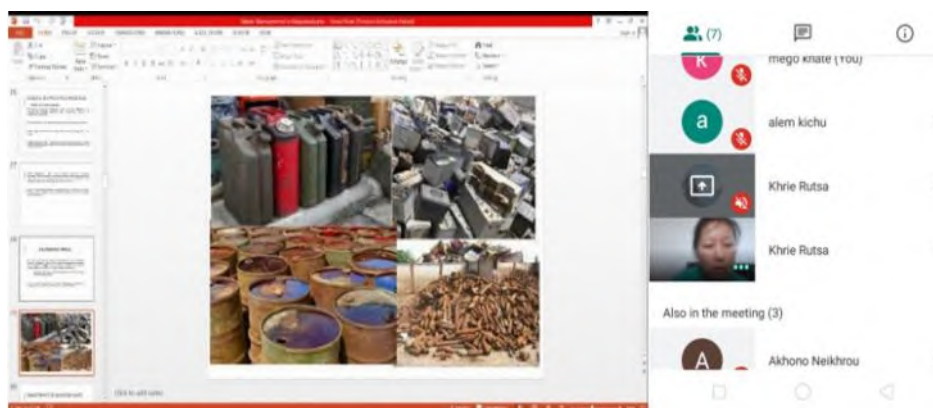


Fig. 1



Japfu Christian College,
Kohima



Viswema Youth Organization,
Kohima



Highland Hall School, 4th Mile,
Dimapur



Busy Bees School, Dimapur



Govt. Middle School
Nyahnyu, Mon District



Don Bosco School, Sechu-
Zubza

Fig. 2



Fig. 3 Footprints School, Dimapur



Fig. 4



Fig. 5



Fig. 6

52. Department of Environment & Forests - Arunachal Pradesh

A) The Department of Environment & Forests, Arunachal Pradesh celebrated this occasion by **Organising Literary Activities, Plantation Drive**, etc under various Forests & Wildlife division. Shri. Mama Natung, Hon'ble Minister of Environment & Forests along with other senior officers of the Environment and Forests & Climate Change department planted saplings in the state guest house premises in NitiVihar, Itanagar. The Minister of Environment & Forests in his address emphasized on preserving and restoring the ecosystem, and appealed to the people of the state, particularly the younger generation, to protect the trees, wildlife, mountains and rivers. During a virtual celebration, the Hon'ble Minister launched two e-portals - online consent management and monitoring system, and public grievances redressal portal - which will help entrepreneurs and citizens in ease of doing business. He also inaugurated the continuous ambient air quality monitoring station.

B) A **Webinar** was organised on the occasion by this department.

C) Director Environment & ENVIS Coordinator initiated the publication of **WED message** by Hon'ble Governor, Hon'ble Chief Minister and Hon'ble Minister, Environment & Forests Arunachal Pradesh on June 05, 2021 in three of local dailies.



Group Photo, Hon'ble Minister (Env. & Forests) Shri. Mama Natung, PCCF&HoFF&PrI. Secy. (Env. Forests), PCCF (RE&CAMPA), PCCF (WL&BD), Ms. KojRinya, Member Secretary (APSPCB) IFS, CF (Plannaing& FDA), DFO, Social Forestry.



Planting tree by Hon'ble Minister (Env. & Forests) assisted by PCCF (HoFF) &PrI. Secy. (E&F)

53. Department of Environment & Forests - Kavaratti, Lakshadweep

The ENVIS Centre Lakshadweep, Department of Environment and Forest, Kavaratti Island conducted various programs in connection with the celebration of this occasion on June 05, 2021.

- A) The Department conducted a **Tree Planting Program** in Kavaratti. The saplings were planted by the ENVIS Coordinator and other Senior RFOs of the Department. The growing and nurturing of trees are vital for a green and sustainable environment.
- B) The Department organized a seminar on the topic: **Generation Restoration** at Sardar Patel Hall in Atal Paryavaran Bhavan, Kavaratti. Key Note Address was made by Dr K. Syed Ali, Coordinator, ENVIS and Head of P&L division followed by the interaction of RFOs with the participants. The seminar was attended by the RFOs, Foresters, Forest Guards and other departments' staff. Shri Riyaz, MP, Programme Officer gave vote of thanks. The seminar focused on the need for the present generation to hand over all the precious natural gifts to their next generation without any further loss. The seminar also addressed the issues of ecological damage and on the ways to reimagining and recreate our environment such that they are restored for the upcoming generations in a systematic and sustainable manner.



- C) The ENVIS Centre, Department of Environment & Forest conducted a webinar on the theme: **Lakshadweep-fragile ecology vulnerable to climate change** for the students of MES Keveeyam College, Valancherry, Kerala. As a coral reef ecosystem, the Lakshadweep islands are facing the threat of climate change and coral bleaching. Ocean and coral restoration is therefore the need of the hour. The webinar addressed various concerns such as ocean pollution, acidification, and on the need to preserve the coral island and its communities. Shri. C.N Abdul Raheem, RFO & Head of Wild life division presented the subject.



54. Directorate of Environment & Climate Change Department (DoE&CCD)

- A) The Haryana ENVIS Hub of the Environment & Climate Change Department conducted Online Competitive Events i.e. Online Quiz (topic: Environment Act & Issues) (Fig. 1), Slogan/Poem Writing Competition (topic: Restoration of Environment, Biodiversity, Water Wetlands and COVID-19 & Climate Change) (Fig. 2), and Small Gardening Competition (topic: My Green Space) (short video contest) (Fig. 3) with cash prizes.

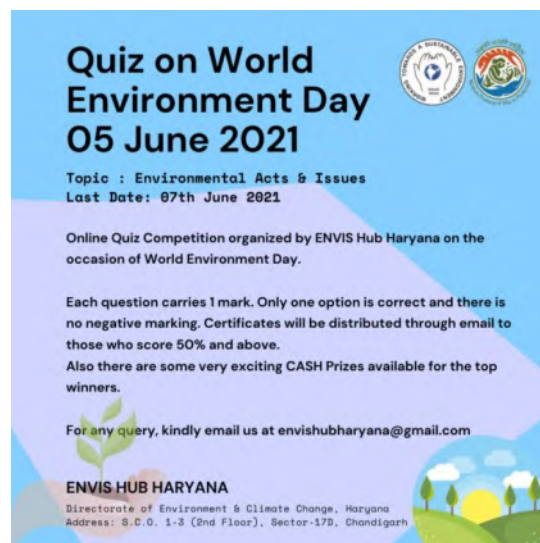


Fig. 1

The online events advertisement was done through ENVIS Hub Haryana website <https://envis.haryana.gov.in/>, Newspapers & the Social media platform of Facebook page <https://www.facebook.com/envishubharyana> and entries were accepted from June 03-07, 2021. The online quiz was conducted through Google form. More than **250 responses** were received. The prize money associated with the awards of various events is done through the Others heads funded by MoEF&CC. The declaration of the Result is under process.

- B) Environment Day Posters were published in the daily newspaper (Fig. 4).



Fig. 2



Fig. 3



Fig. 4

Print Media Coverage

The screenshot shows a Zoom meeting interface. On the left, there are four participant tiles. The top-left tile shows a man with a beard and a white cap, with the name 'Anurageta' below it. The top-right tile shows a woman with dark hair, with the name 'Charan' below it. The bottom-left tile shows a man with a beard and a white cap, with the name 'Charan' below it. The bottom-right tile shows a woman with dark hair, with the name 'Charan' below it. In the center of the meeting, there are three large, overlapping circles: a red circle with a white 'C', a purple circle with a white 'R', and a pink circle with a white 'C'. The meeting title at the top is 'University (FRIDU)'. The bottom of the screen shows the Zoom interface with 'Name' and 'Phone' labels.

Dr. Vijender Panwar, Coordinator ENVIS-FRI hosted and conducted the online event. Sh. N. Bala Head, Dr. Tira Chand, Dr. Parmanand Kumar, Dr. Abhishek Verma, Scientists from Forest Ecology and Climate Change Division of FRI adjudged these online competitions. All Head of Divisions, Scientists, Technical Officers of FRI and other stakeholders also participated in the program. Programme ended with congratulations to the winners and a vote of thanks!

Alfideek Rajput, a Class X student from Lacknow Public School, secured the second position and Divya Uniyal, a Class XII student of Convent of Jesus and Mary Dehradun won the third prize in this category. In the university category Garima Kumar from RRD secured the first prize. The second prize was bagged by Shashank Kumar Mehta from Bined Billari Mahila Koyalachand University.

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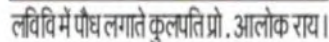
लखनऊ, शनिवार। पर्यावरण और पारिस्थितिकी से सम्बंधित हर प्रकार के क्रिया कलाप में लविवि हर क्रिया-कलाप में बढ़-चढ़ कर प्रतिभाग करता आ रहा है। जो कोरोना काल में भी दूसरों के लिये एक उदाहरण है। साथ ही अपनी परम्पराओं व संस्कृति से अपने विद्यार्थियों को जोड़े रखने का कार्य भी कर रहा है। विश्व पर्यावरण दिवस के अवसर पर लखनऊ विश्व विद्यालय के चन्द्र शेखर आजाद महिला छात्रावास में जैन धर्म के तीर्थंकरों से सम्बंधित केवली वृक्षों को रोपित किया गया। लखनऊ विश्वविद्यालय के एनविस-आरपी, वन्य जीव संस्थान के तत्वावधान में तीर्थंकर वाटिका में जैन धर्म के केवली वृक्षों का रोपण विश्वविद्यालय के कुलपति डॉ आलोक कुमार राय ने किया।

[illegible]

આમરનાળ: ધોળ વિધાનસભા હોલમાંથી
પૂર્ણાવક કાર્યકોષ ૨ પ્રગટ કરાવનાર
આમર, નવરત્નવંશના પદ્માવતી પિટી (જિ.
આમરનાળ), આલોર (જિ. આમરનાળ)
અમી માલગુજાર (જિ. મારાણ) ધોળી
અરુણી પ્રગટ, ટિપ્પીર ન હોળી કાર્યકોષ
પદ્માવતી, આ વિધાન (જિ. નાથિયા)
અમી મુલાર્જીના (જિ. આમરનાળ) ધોળી
અરુણી હોલમાંથી કાર્યકોષ ૨ અમી ૨ ન
પૂર્ણાવક પદ્માવતી.

महाराज देवकी, आरक्षण बलपूर्वक
उपलब्ध होना लगेगी। महाराज
या महाराज महाराज महाराज
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लखनऊ। लविवि के एनविस आर पी वन्यजीव संस्थान के तत्वाधान में पर्यावरण दिवस के अवसर पर तीर्थंकर वाटिका की स्थापना की गई। कुलपति प्रो. आलोक कुमार राय ने बरगद, सप्तपर्णी, साहू, बेल, कदम्ब, जामुन, बांस आदि का रोपण चंद्रशेखर आजाद महिला छात्रावास में किया। इसके अतिरिक्त बायो केमिस्ट्री विभाग गया।



डा. शकुन्तला मिश्रा राष्ट्रीय पुनर्वासि विधि में आर्योत्थन व्याख्यान में कौशिकपुत्र को प्रो. केन्द्रेण्ड देव ने पर्यावरण संरक्षण, जल संयोजन, प्लास्टिक के प्रयोग के दृष्टान्तों पर चर्चा की। कुलपति प्रो. रामा कृष्णपति सिंह ने भी विचार व्यक्त किए। ख्वाजा मोहम्मददीन चिरती भाषा विषयविशारद ने कुलपति प्रो. अमल कुमार शुक्ला, रविन्द्रार अम्बर कुमार अरविंद व शिशुको ने फलदायक व अपेक्षित वाले पोषे रहे। महर्षि युनिवर्सिटी ऑफ इफारेन्स ट्रेडनेकोलॉजी में कुलपति प्रो. भानु प्रताप सिंह ने पोषे रहे।

पारिस्थितिकी तंत्र की पुनःबहाली पर वेबीनार आयोजित

[illegible]

मुनिमुद्रत नाथ-चम्पा
नमीनाथ-मौलरी, नेमीनाथ-बांस आदि
पक्ष जैन तीर्थकारों से जुड़े होने के
कारण ही पुन्यगीर है। इस अवसर
पर कुलपति आलोक राय ने कहा कि
तीर्थक्षेत्र वादिका के निर्माण में
केवल भारत की पारंपरिक धरोहर
का संरक्षण किया गया है बल्कि
छात्र-छात्राओं को केवली वृक्षों की
जानकारी देने का प्रयास किया गया
है। इससे निश्चित तौर पर इन
वृक्षों की सेवा, दर्शन और सानिध्य
में वृक्ष से संबंधित तीर्थकारों का
आशीर्वाद भी प्राप्त होगा।

मल्लिनाथ-अशोक, मुनिमुद्रत
नाथ-चाम्पा, नमीनाथ-मालश्री,
नेमीनाथ-बास आदि वृक्ष जै
तीर्थकारों से जुड़े होने के कारण
ही पूज्यनीय है। इस अवसर पर
कुलपति आलोक राय ने कहा
कि तीर्थकर वाटिका के निर्माण
में न केवल भारत की पारंपरिक
धरोहर का संरक्षण किया गया
है बल्कि छात्र-छात्राओं को
केवली वृक्षों की जानकारी देने
का प्रयास किया गया है। इससे
निश्चित तौर पर इन वृक्षों की
सेवा, दर्शन और साधन्य में
वृक्ष से सम्बंधित तीर्थकारों का
आशीर्वाद भी प्राप्त होगा।

Social Media Coverage

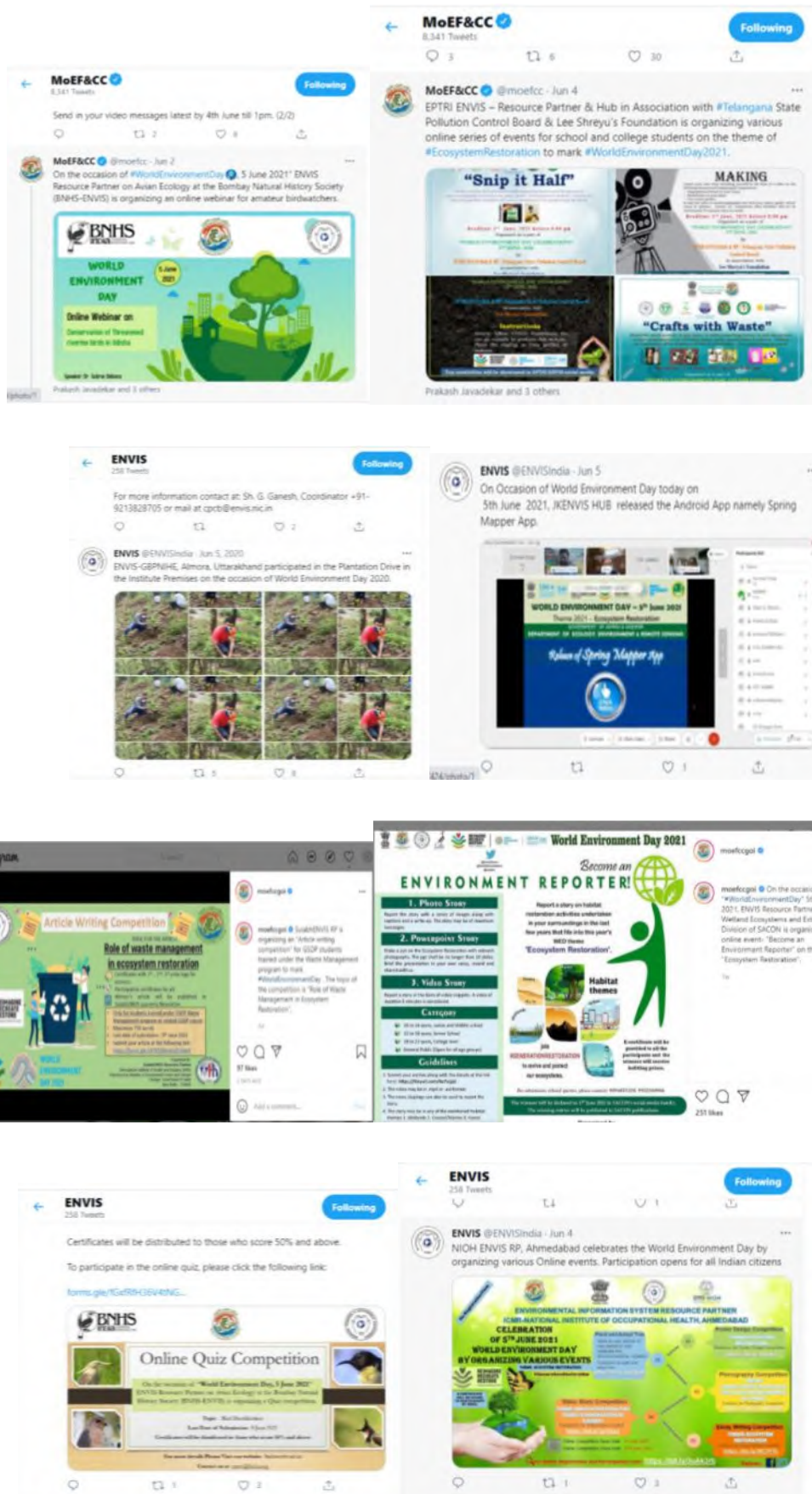
Social Media coverage on ENVIS activities for WED 2021

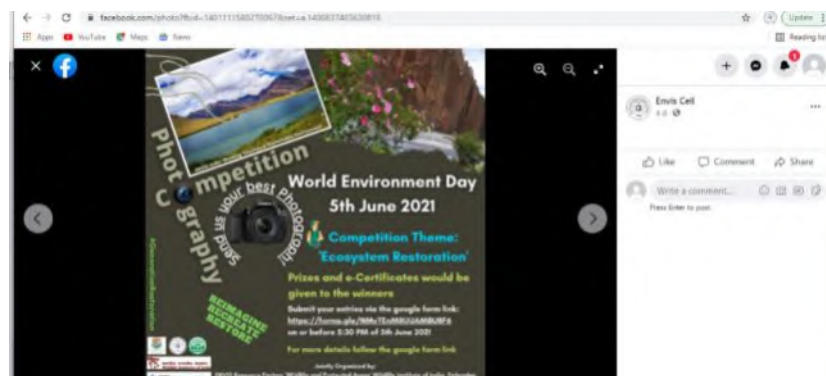
With the onset of the COVID-19 *pandemic*, Social media platform plays a vital role in disseminating the information to the people around the world. During sudden outbreaks, the public needs access to timely and reliable information and social media is a gateway for individuals and communities to stay connected even while physically separated.

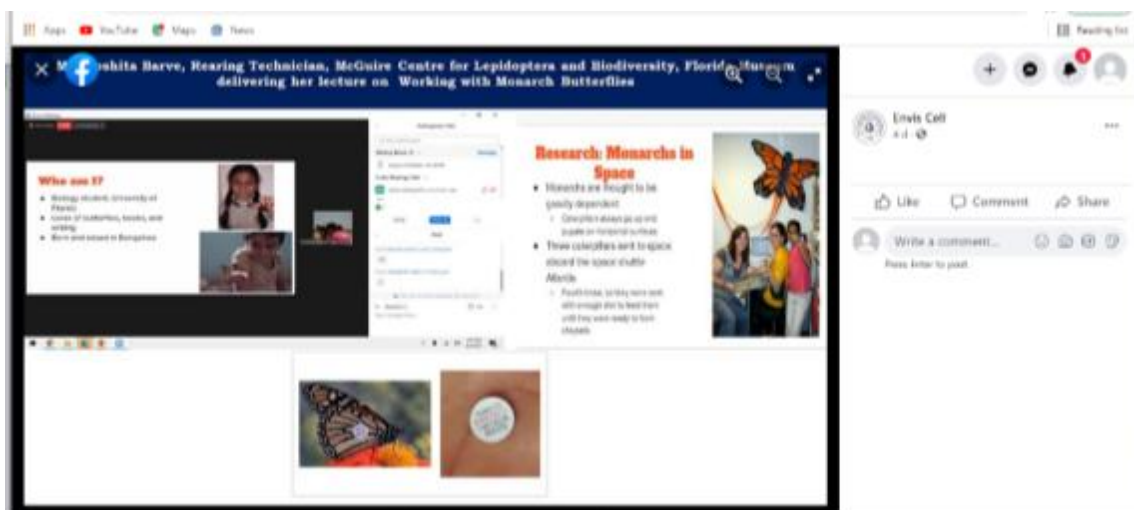
On June 5, people around the world shared their efforts virtually to restore the natural world from [tree planting](#) to [Snap Challenge](#) and showed how they will change behaviours to be part of [#GenerationRestoration](#).

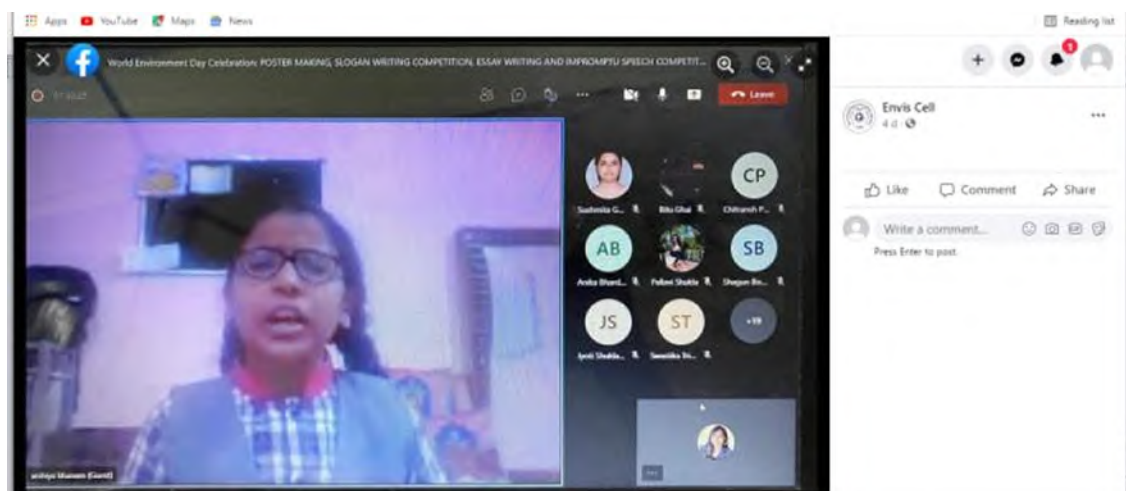
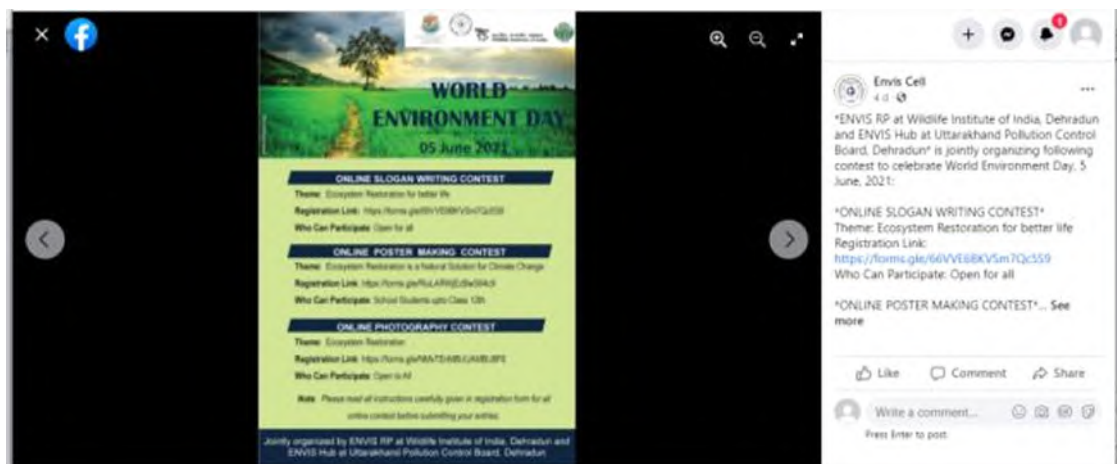
Similarly, to highlight the importance of WED 2021, the ENVIS HUBs and Rps, with the help of social media, played a crucial role by conducting online activities like Webinar, Poster Contest, Painting, Essay Writing, Slogan, video making, Quiz and tree plantation drive to the citizens across the country. Some of the knowledge products were also released virtually to emphasise about the need and significance of nature and environment.







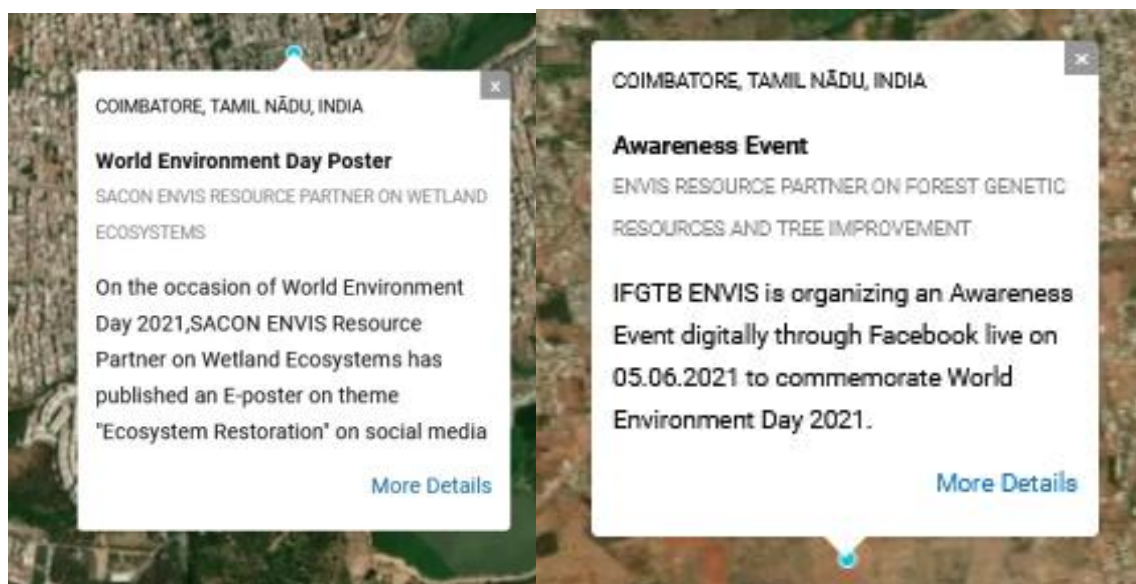
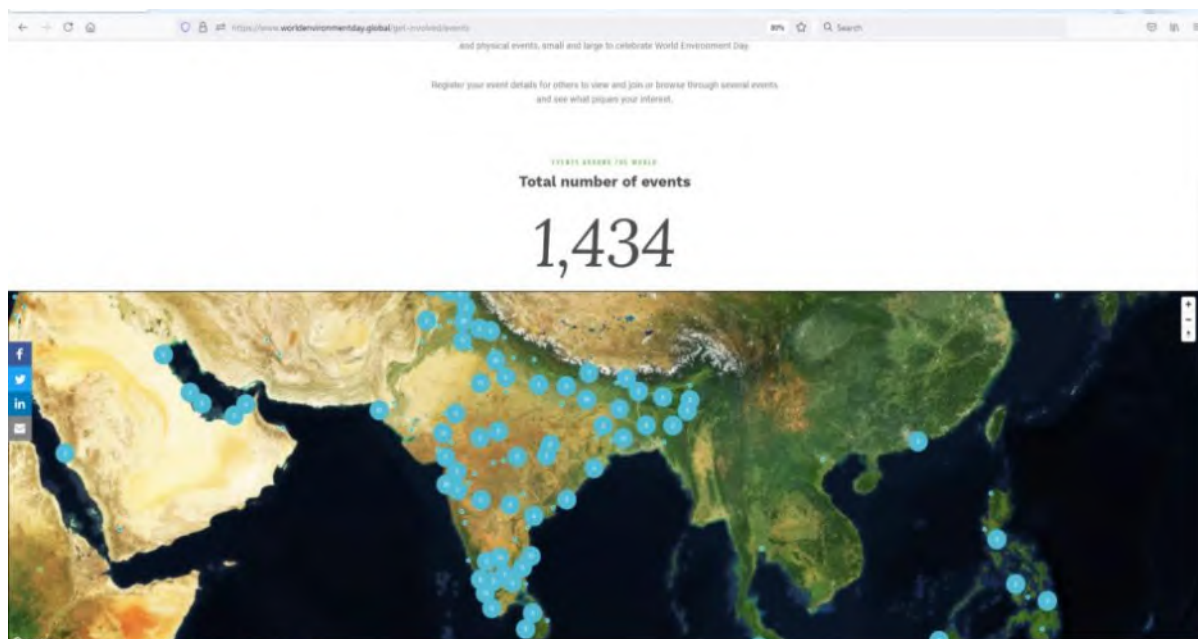


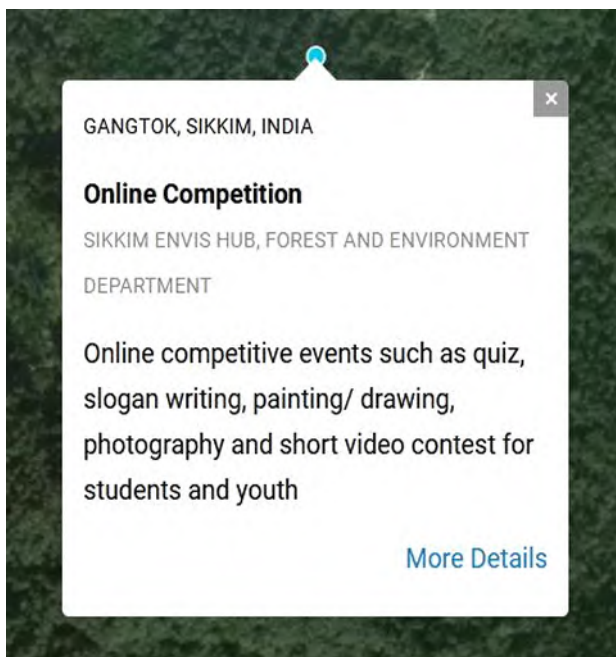


Global Registration of ENVIS activities

Global Registration of ENVIS activities

Apart from social media platform, the ENVIS HUBs and RPs registered their WED 2021 virtual events on the World Environment day portal <https://www.worldenvironmentday.global> to mark Global celebration of World Environment Day celebration.





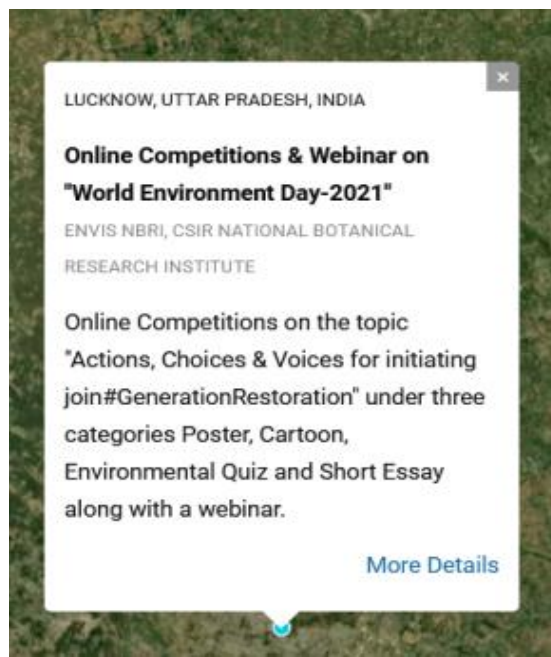
GANGTOK, SIKKIM, INDIA

Online Competition

SIKKIM ENVIS HUB, FOREST AND ENVIRONMENT DEPARTMENT

Online competitive events such as quiz, slogan writing, painting/ drawing, photography and short video contest for students and youth

[More Details](#)



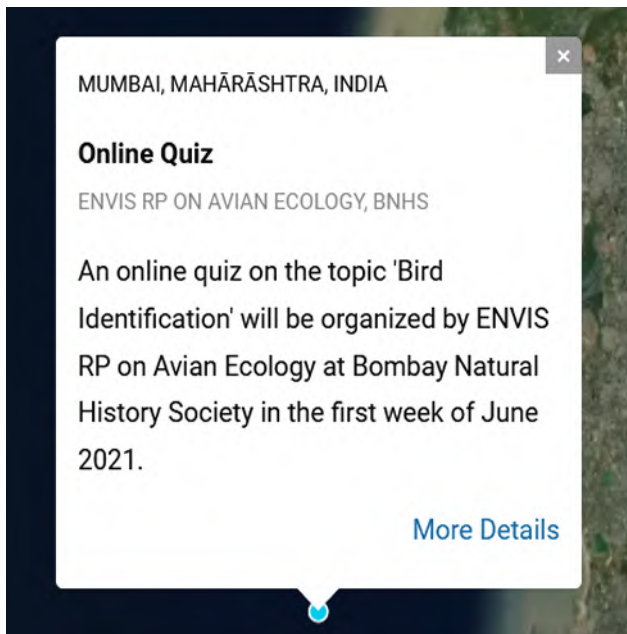
LUCKNOW, UTTAR PRADESH, INDIA

Online Competitions & Webinar on "World Environment Day-2021"

ENVIS NBRI, CSIR NATIONAL BOTANICAL RESEARCH INSTITUTE

Online Competitions on the topic "Actions, Choices & Voices for initiating join#GenerationRestoration" under three categories Poster, Cartoon, Environmental Quiz and Short Essay along with a webinar.

[More Details](#)



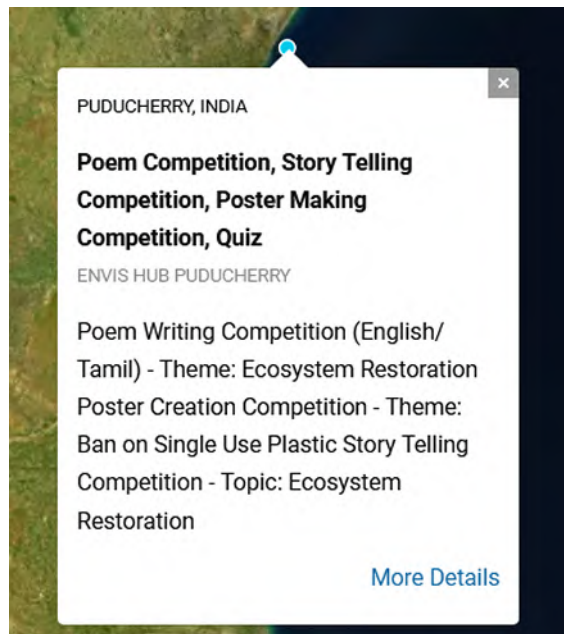
MUMBAI, MAHĀRĀSHTRA, INDIA

Online Quiz

ENVIS RP ON AVIAN ECOLOGY, BNHS

An online quiz on the topic 'Bird Identification' will be organized by ENVIS RP on Avian Ecology at Bombay Natural History Society in the first week of June 2021.

[More Details](#)



PUDUCHERRY, INDIA

Poem Competition, Story Telling Competition, Poster Making Competition, Quiz

ENVIS HUB PUDUCHERRY

Poem Writing Competition (English/ Tamil) - Theme: Ecosystem Restoration
Poster Creation Competition - Theme: Ban on Single Use Plastic
Story Telling Competition - Topic: Ecosystem Restoration

[More Details](#)



Snip it Halt

Click a picture of yourself with half snipped packet & mail the picture to snipit@snipit.com with your name, grade, school name & address, country. Submissions after deadline will not be entertained. For queries ring us up!

Deadline: 1st June, 2021 before 8:00 pm

Organized as a part of
"WORLD ENVIRONMENT DAY CELEBRATIONS"
5TH JUNE, 2021

By
SVIS-Hub & RP | Telangana State Pollution Control
in association with
Lee Shrey's Foundation

The winners will be showcased in the school magazine & will be posted on the school website.