



MATA SUNDRI COLLEGE FOR WOMEN
(UNIVERSITY OF DELHI)

ECOVISION

2021-2022

VOLUME-3



DEPARTMENT OF ENVIRONMENTAL STUDIES

PRAYER

***As we breathe the very air which sustains us,
we remember your love,
God, which gives us life.***

***Fill us with your compassion for Creation.
Empty us of apathy, selfishness, and fear,
of all pessimism and hesitation.***

***Breathe into us solidarity
with all who suffer now
and the future generations who will suffer
because of our environmental irresponsibility.***

***Move us into action
to save our earth
and to build your sustainable Kingdom.***

Amen !!

Mata Sundri Ji



Mata Sundri Ji, the wife of the tenth Sikh Guru, Guru Gobind Singh Ji, was the daughter of Bhai Ram Saran, a Kumarav Khatri of Bajwara, in the present-day Hoshiarpur district of Punjab. She became an inspiration and leader in the history of Sikhism. Upon the death of her husband in October 1708, she articulately propagated the sayings and teachings of the Granth amongst the masses.

Mata Sundri Ji perfectly fits in all the roles for a woman. She was a devoted wife, an ideal mother, and a confident and far-sighted guide of the community. She bravely raised her four sons on the martyrdom tales of their grandfather, Guru Tegh Bahadur Sahib Ji, and great great grandfather, Guru Arjan Dev Ji. She made them understand that Sikhs never run from the battlefield. Her teachings were the guidance to her sons and they happily attained martyrdom. She received Amrit on the Vaisakhi of 1699 at the Amrit Sanchar Ceremony and attained the name 'Sundar Kaur'. She stands as an epitome of guidance and an ideal for inculcated upbringing in order to raise a courageous and dauntless upcoming generation. Breaking boundaries of caste and amalgamating traditions and teachings, the Granth teaches us a lot more than just spirituality. Even though the ideals date back to several centuries, the primary objectives of universal fraternity and peace resonate with us even today.

EDITORIAL



*"Life comes from the earth and life returns to the Earth."
—Zhuangzi*

Greetings !!

It gives me great pleasure to extend my sincere congratulations to the Ecovision, Vol. 3 editorial team. The departmental E-magazine consistently showcases the thoughts, concepts, aspirations, and creative writing of young people, and it serves as a forum for exposure and freedom of expression. I applaud the team's efforts in compiling and releasing the students' hidden potential and giving this magazine a clear sense of direction and significance. The students and teachers of the Department have played an efficient role of Environment Protectors through various events and activities, such as workshops, short term courses, events and competitions.

I believe that such efforts are truly appreciable and will definitely bring about a huge difference for the betterment of our planet. I appreciate the editorial team's efforts in overcoming all of COVID 19's obstacles to successfully publish this magazine over the past year. I want to take this opportunity to wish the team luck in all of their endeavours and hope that they will explore new facets of the teaching and learning process that will ultimately benefit the stakeholders and society as a whole.

I congratulate Dr. Uzma Nadeem, the magazine's editor, for working tirelessly to produce this issue, and I am grateful to Dr. Kamlesh Kaur & Prof. Pooja Jaggi for their support & direction. Making sure that this magazine has achieved its goal gives me a great deal of pleasure. The magazine's pinnacle is its reflection of the students' originality and accomplishments. Students have expressed ideas and thoughts that are too profound to be contained and too powerful to be ignored. I would like to take this opportunity to thank all of the contributors. This magazine is a great read for students who want to learn more about the world around them. Thank you !!

Warm regards!!

Prof. Harpreet Kaur
Chief Editor & Principal

FROM THE COURSE CO-ORDINATOR'S DESK

*"The Earth has music for those who will listen." —George
Santanaya*

Greetings !!

***It gives me great pleasure to extend my sincere
congratulations to each of you and the editorial
team of the Ecovision, Vol. 3.***



***I extend my heartfelt gratitude to the principal,
Prof. Harpreet Kaur for guiding us throughout.
I commend Dr. Uzma Nadeem, the magazine's
editor, for her tireless efforts in producing this
edition. I also want to express my gratitude to
the students for their unwavering support of the
magazine's success.***

***I heartily wish all the readers my best wishes and hope that this publication will
enable you to take a critical look at the environmental approach and will promote
an open discussion about its potential through higher learning institutions.***

Thank you !!

Dr. Kamlesh Kaur

Course Coordinator (2021-2022)

FROM THE COURSE CO-ORDINATOR'S DESK

A good man is the friend of all living things. —Mahatma Gandhi



Greetings!

I'm happy to announce the issue of our annual e-magazine Ecovision (Vol-3), for the year 2021-2022. Students put in a lot of effort to create a stunning magazine for our readers. Because of all the contributions you have made over the years, the Environmental Studies Department stands out from other departments, and we are very appreciative of all of them. We are so grateful to you for all of your hard work and contributions!

I would like to express my heartfelt thanks to the principal, Prof. Harpreet Kaur for her support and guidance.

I would also like to appreciate the efforts made by Dr. Uzma Nadeem, Editor of the E-Magazine and Course Coordinator, Dr. Kamlesh Kaur. Their tireless efforts have made this publication possible. I hope the readers will enjoy reading it and learn many new things to protect the environment. Always remember, live gently upon this Earth because it is the only home that we have. Thank you !!

Prof. Pooja Jaggi

Course Coordinator (2022-2023)

FROM THE EDITOR'S DESK

"All we have to do is wake up and change." —Greta Thunberg



Greetings !!

It gives me great pleasure to announce the publication of the third issue of "Ecovision," our yearly online magazine. This issue is jam-packed with ecological wisdom and practical suggestions that can support the sustainability of the planet where we live.

Helen Keller is correct when she asserts that the world is advanced not only by the powerful shoves of its heroes but also by the sum of the small shoves made by each honest worker. I'm grateful to my entire student editing team for dipping their oars into the magazine's choppy waters and guiding it to publication.

The herculean task of editing this department magazine would not have been possible without the sincere assistance of the Editorial Board members, who combed through the sea of submissions we received from our eager and inquisitive young writers, edited them, and then finalised a fair draught of them.

I would like express my deep gratitude to our principal, Prof. Harpreet Kaur for always supporting us in all our endeavors and Dr. Kamlesh Kaur, for always at the support in guiding and mentoring. I would like to extend my best wishes to the readers and hope that you all will enjoy this souvenir. I send my warmest greetings to each and every reader, and sincerely hope that this memento will win your praise as well as prove to be an essential component of the overall growth of the students. I also hope that it turns out to be a vital means for the development of young environment-oriented minds. Thank you !!

Dr. Uzma Nadeem

Editor & Teacher In-Charge (2021-2022)

FACULTY MESSAGE



Greetings!

I am delighted on the release of the third issue of departmental e-magazine. E-magazine perceptions are intended to allow our youngsters to express themselves through pen and paper. Furthermore, the success of an institute is determined by the level and accomplishments of its students and teachers.

This magazine is a suggestion to display the ideas of students and our departmental activities at a glance in a way that is both appealing and captivating. Moreover, such activities channel the youth for a brighter future.

I want to express my gratitude and heartfelt appreciation to everyone who has helped with this project.

I commend, Dr. Uzma Nadeem, for her assistance to students. Last but not least, I am grateful to our Principal, Prof. Harpreet Kaur and our mentor, Dr. Kamlesh Kaur & Prof. Pooja Jaggi, for their encouragement and support. I sincerely hope that the pages that follow are enjoyable to read. Thankyou.

Dr. Kavita Singh

Assistant Professor

Department of Environmental Studies

FACULTY MESSAGE



Greetings!

Human beings must understand that humanity cannot survive without the mother Earth but our planet can. The only way to improve our environment is to be conscious about the environmental changes and take necessary steps to maintain balance in the ecosystem. We as human beings must do our part to help and protect the environment in order to create a sustainable world. Creating environmental awareness among people is key to make it possible. The Department of Environmental Studies of our college is working in the same direction through all possible ways. An e-magazine is one of the means to accomplish that goal.

With the release of the third edition of our departmental e-magazine, I am extremely sanguine. Unleashing ideas and skills from young vibrant mind is a difficult task. However, the e-magazine provides a canvas to portray their innovative ideas, creativity, enthusiasm and ingenuity in one place. It is an excellent platform for our students to showcase their creative abilities. So that students can develop, an environmental conservative mind sets to tackle environmental issues.

I would like to express my deep gratitude to our Principal, Prof. Harpreet Kaur & Course Coordinators- Dr. Kamlesh Kaur and Prof. Pooja Jaggi, for their constant guidance, support and encouragement. I congratulate Dr. Uzma Nadeem, Editor of the magazine for her tireless efforts in bringing out this publication. I would also like to thanks to students for their whole-hearted contribution for the success of the magazine.

Dr. Prabhat Kashyap

Assistant Professor

Department of Environmental Studies

EDITORIAL BOARD



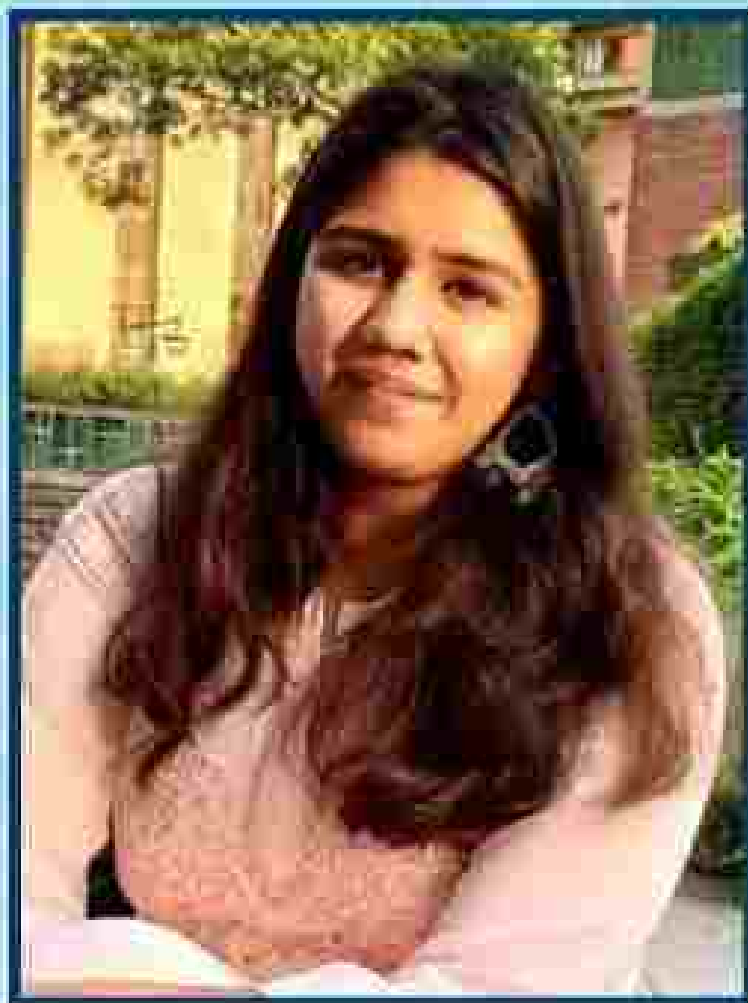
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DEPARTMENT OF ENVIRONMENTAL STUDIES

The Department of Environmental Studies strives to educate and impart knowledge to undergraduates and reach out to as many people as possible in order to save the environment. Not just spreading awareness about environmental threats, it also works to come up with a solution to these.

In its course, it includes an interdisciplinary curriculum so as to encourage a holistic approach towards the integrated growth of both, the human and the individual. The course content and recommended readings draw intensely from thoughtfully created work such as evaluation, which incorporates the mandatory undertaking to be finished by each student.

Aside from the activities, a survey-based review was additionally directed to explore the students natural mindfulness and cooperation in the administration of the ecological issues identified with the college grounds and their local location.



EARTHCON- THE ENVIRONMENT SOCIETY

Earthcon, the environment society of the department was established to impart the values of environmental consciousness and to develop environmental ethics among the students. Earthcon works towards environmental conservation, capacity building, and raising awareness. Earthcon attempts to organize different ecological exercises such as webinar sessions, workshops, campaigns, quizzes, competitions, pledges etc.

Earthcon provide a forum for bringing together experiences related to the natural and built environment from individuals, institutions and organizations and mobilizes and enables student communities for collective actions to promote sustainable development, and to achieve it through promoting values of civil society.

TEAM EARTHCON



DR. KAMLESH KAUR
Course Coordinator (2021-22)



PROF. POOJA JAGGI
Course Coordinator (2022-23)



DR. UZMA NADEEM
Convener



EKISHA MEHROTRA
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PRAGYA S PANWAR
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Volunteer



NIKITA JAIN
Volunteer



NEHA KUMARI
Volunteer



RHYTHM GULATI
Volunteer



DEPARTMENT EVENTS

2021-22



INTERNATIONAL CONFERENCES

2021-22



6TH ASIA-PACIFIC INTERNATIONAL MODERN SCIENCES CONGRESS

DECEMBER 15-16, 2021-22

**MATA SUNDRI COLLEGE FOR WOMEN
UNIVERSITY OF DELHI, INDIA**

In collaboration with

**Institute of Economic Development and Social Research
Turkey**



Introduction

Mata Sundri College for Women, University of Delhi, organized the 6th Asia-Pacific International Modern Sciences Congress, held on 15-16 December, 2021, in collaboration with Institute of Economic Development and Social Research, Turkey (IKSAD). The event was graced by Dr. Mustafa Latif Emek, the President and founder of Institute of Economic Development and Social Research, Turkey and Prof. Harpreet Kaur, Head of the Congress & Principal, Mata Sundri College for Women, University of Delhi.

Dr. Kamlesh Kaur, Associate Professor, Mata Sundri College for Women and Dr. Uzma Nadeem, Assistant Professor, Department of Environmental Studies, Mata Sundri College for Women were elected as the Heads of The Organizing Committee and Dr. Lokesh Kumar Gupta was elected as the Head of Scientific Advisory Board members.

A total of 139 participated in the congress and presented their papers, including 61 papers from Turkey and 78 from other countries and total twenty-five countries from all over the globe participated in the virtual congress, to learn about one of the various significant world affairs and its impact and growth in our nation including India, Turkey, Bulgaria, Vietnam, Nigeria, Malaysia, Italy, Romania, Egypt, Iraq, Algeria, Pakistan, Portugal, Mexico, Morocco, Iran, Azerbaijan, Kazakhstan, Kyrgyzstan, Benin, Republic of Moldova, Ukraine, Saudi Arabia, Georgia, Hongkong.

This platform gave the chance to be part of this spectacular synergy of science and art. This congress also provided the scientific world with the essential platform where scientists, humanitarians and artists collaborated and interacted. In order to go further in the astonishing journey of knowledge, we should unite our forces and help each other to overcome all limitations, to reach our common goals – truth, better conditions for all the inhabitants of planet Earth and sustainable approaches in every human activity.

Opening Session

The opening session commenced by seeking the choicest blessings of Mata Sundri Ji and welcoming the esteemed dignitaries and attendees. The opening session was addressed by Dr Uzma Nadeem, Speaker of Mata Sundri College for Women, who declared the Conference officially open at the end of her statement. Dr. Mustafa Latif Emek, President and founder Institute of Economic Development and Social Research, Turkey then delivered a speech followed by the keynote lecture of Prof. Harpreet Kaur, Head of the Congress & Principal, Mata Sundri College for Women, University of Delhi.

Professor Kaur elaborated on the topic "Smart Cities of India: A Measure for Sustainable Development", focused on from 'What is a Smart City?' to 'The need for Smart Cities in India.' and 'The Smart City Mission in India', Professor Kaur gave insight into the aim of Sustainable Development in India. Her presentation was a deep insight into the initiation, aim, methods, process of selection, construction and advantages of smart cities in India. Through her lecture, the attendees gathered thorough information about how and why smart cities need to be built in India, how they can contribute to national progress and also the good impact they could bring on the deteriorating environmental conditions through Green Buildings.

Professor Kamlesh Kaur then concluded the ceremony by wrapping up the presentation and thanking all the dignitaries.

OPENING CEREMONY





WORLD WOMEN CONFERENCE-IV

MARCH 8-9, 2022

**MATA SUNDRI COLLEGE FOR WOMEN
UNIVERSITY OF DELHI, INDIA**

In collaboration with

**Institute of Economic Development and Social Research
Turkey**



The Department of Environmental Studies, Mata Sundri College for Women, organized the “World Women Conference-IV, held on 8-9 March 2022, in collaboration with the Institute of Economic Development and Social Research, Turkey (IKSAD). The inaugural event was graced by Samira KHADHRAOUI ONTUNC, Foreign Relations Department Head, Institute of Economic Development and Social Research, Turkey, and Prof. Harpreet Kaur, Head of the Conference & Principal, Mata Sundri College for Women, University of Delhi. Dr. Lokesh Kumar Gupta elected as the Head of Scientific Advisory Board members, Dr. Kamlesh Kaur (Associate Professor & Coordinator-EVS Dept) and Dr. Uzma Nadeem, Assistant Professor, Department of Environmental Studies, Mata Sundri College for Women were elected as the Heads of the Organizing Committee.

The conference was one of the most dynamic, engaging, and exciting events and provided an international working environment and contributed to a multidisciplinary field. It was organized on International Women's Day with a focus on the resurgence, reinvention, and resiliency of women. The program included two keynote sessions.



Dr. Cagla GUL SENKARDES, Istanbul Bilgi University delivered a keynote lecture on “Cryptofeminism” followed by the keynote lecture of Prof. Dr. Harpreet Kaur, Principal, Mata Sundri College for Women, University of Delhi, and Conference Head on the topic “Empowering Women to Stand for Environmental Rights for Sustainable Development”.

Both the keynote lectures were highly interesting and enlightening to the participants. It is extremely important to shed light on every field around the subject of women in this conference. The finest feature of the conference is that it provided a forum for students, educators, and researchers to present and discuss their work and ideas related to women 'empowerment in various places throughout the world.

The conference also provided a platform for young students to express their views and opinions on our selected topic for their research papers. It was a very thoughtful conference to discuss the problems women are facing from different lenses and a wonderful congregation of women thinkers and researchers from all over the world. Various views of the same global issue on gender and women societal issues were raised through speakers and shared the same optimism that women are great in nature, and have to be given their right judicially, socially, economically, and also personal freedom to live their life in their own terms and the way various challenges faced by women in various roles they are performing in various sectors as well in the family have been raised are appreciable and such discourse will certainly lead to interventions at different levels. The best part was the combination of different viewpoints, and the way speakers presented their insights.





SHORT TERM CERTIFICATE COURSE

2021-22

MATA SUNDRI COLLEGE FOR WOMEN
UNIVERSITY OF DELHI

**Department of Environmental Studies
&
Internal Quality Assurance Cell (IQAC)**

Organized

**30 HOURS ONLINE INTERDISCIPLINARY
SHORT TERM CERTIFICATE COURSE**

ENVIRONMENT MANAGEMENT

REPORT
(SEP-OCT 2021)



In collaboration with

Society for Environment & Sustainable Development (SESD)



A Short Term Online Interdisciplinary Certificate Course on

'ENVIRONMENT MANAGEMENT'

(Course Duration- 30 Hours)

September 02, 2021 to October 02, 2021

THE SPEAKERS



PROF. P. S. KHILLARE

School of Environmental Sciences,
Jawaharlal Nehru University, New Delhi- India



PRIYANKA CHOUDHARY

Executive Member,
SESD, Rajasthan- India



DR. SURENDRA KR. YADAV

Vice President,
SESD, New Delhi- India



PROF. R.S. GAVALI

National Institute of Panchayat Raj and
Rural Development, Government of India,
Hyderabad, Telangana- India



PROF. DR. S. G. V. SUBRAMANIAN

Professor (Environmental Law and
Management), Anna University,
Chennai-India



DR. C. AZAD VISHWAKARMA

Research Associate,
TERI School of Advanced Studies,
New Delhi- India



DR. VIJAY KUMAR

Executive Member,
SESD, New Delhi- India



MRS. DEEKSHA

Coordinator,
SESD, Uttarakhand- India



DR. DIPALI S SAPRE

Secretary,
SESD, Maharashtra- India



DR. PANDURANG PATIL

Assistant Professor,
Ratnagiri Campus, Mumbai- India



MOHD. YOUNUS

Coordinator,
SESD, Ladakh (UT)- India



MR. RAJESHWAR PRATAP SINGH

Executive Member -SESD & Ph.D. Research
Scholar, School of Environmental Sciences,
JNU- New Delhi- India



DR. ARUNA KAKDE

Vice-president
SESD, Maharashtra- India



DR. IBRAHIM BATHIS.K

Department of Engineering, Politeknik
Negeri Pontianak Kota Pontianak,
Kalimantan Barat- Indonesia



DR. SANJAY MARALE

Assistant Professor
Kamla Nehru College, University of Delhi &
President, (SESD), New Delhi- India



DR. SANGEETA SINGH

Assistant Professor, S.S.D.P.C. Girls (PG)
College, Roorkee, Uttarakhand- India



DR. SANJAY MARALE
Course Director
(SESD)



AMIT KUMAR YADAV
Course Coordinator
(SESD)



DR. UZMA NADEEM
Course Coordinator
(MSCW)



DR. LOKESH KUMAR GUPTA
Coordinator, IQAC
(MSCW)



DR. KAMLESH KAUR
Coordinator, EVS Dept.
(MSCW)



PROF. HARPREET KAUR
Principal, MSCW
Course Patron

Background:

Global warming, climate change, mass extinction of species, and natural calamities are becoming more prominent issues day by day. Environmental education has an effective role in creating healthy awareness and preparing a suitable environment for the development and maintenance of human minds. Environmental education prepares the individual to become able to balance between his vital needs and the natural environment that provides spiritual, aesthetical and ethical sources for many communities. Environmental education includes both formal and informal education and training that increase human capacity and capability to participate in environmental management and in solving environmental crises and challenges. This could be achieved by increasing awareness and effectively changing the individual outlook on the environment. We need awareness in our behavior; we need ethical values for protecting and conserving the environment and improving the quality of human life. As we are all responsible for damaging the environment, it is important for everyone to improve their environmental awareness. It is especially imperative to teach children about the importance of environmental awareness, to ensure that the lives of future generations are secure. Therefore, we must equip our children with the tools necessary to behave in a responsible and informed way towards the environment.

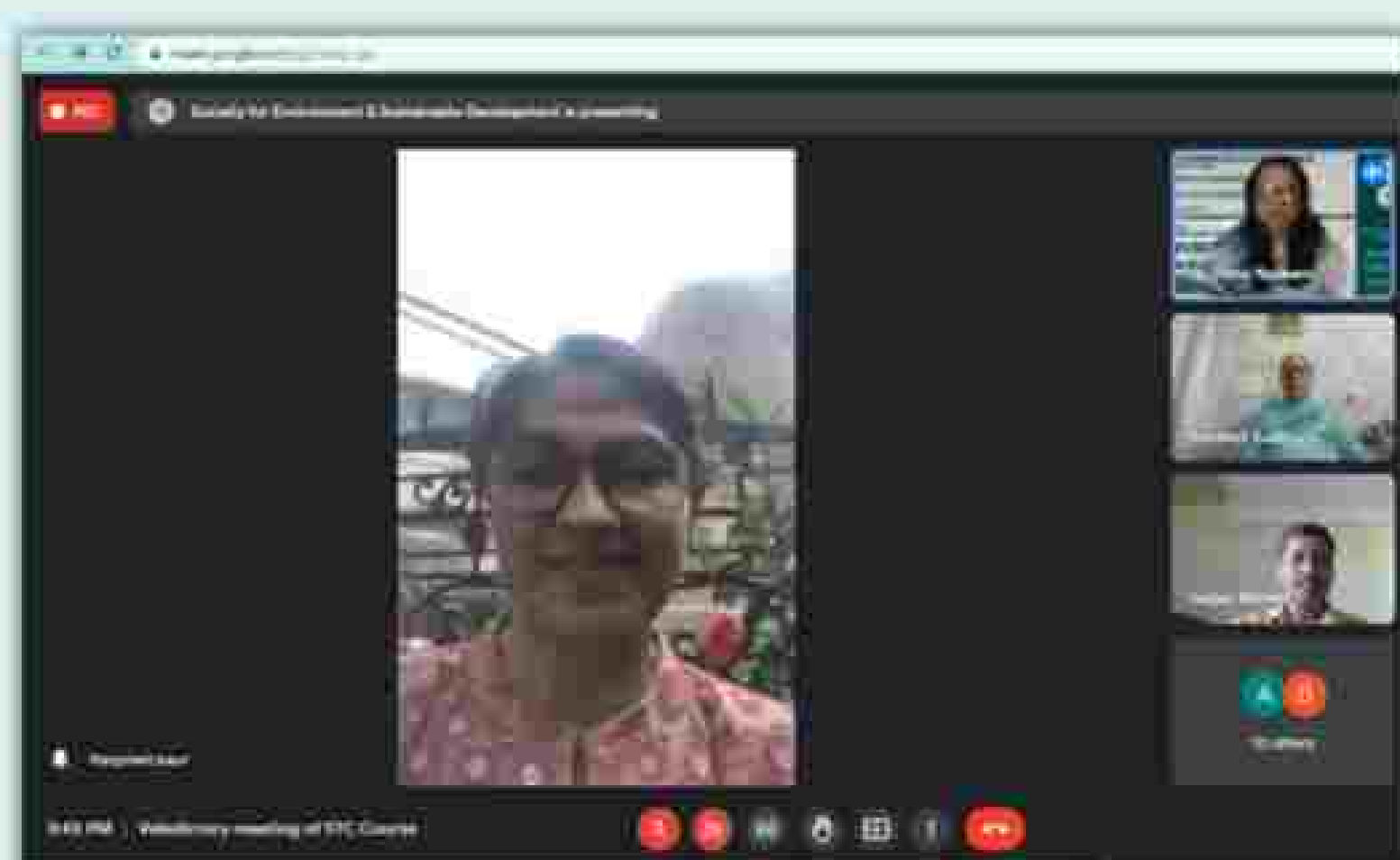
An online short-term interdisciplinary certificate course on “Environment Management” was organized by department of Environmental Studies in collaboration with Internal Quality Assurance Cell (IQAC), Mata Sundri College for Women and Society for Environment and Sustainable Development from September 02, 2021 to October 02, 2021.

Patron:

Professor (DR.) Harpreet Kaur, Principal of Mata Sundri College for Women has graced the session with her welcome speech. She addressed all the participants with her valuable advice and words. She emphasized that post-pandemic, our lives will be different and the environment shall play a huge role in that. Addressing the issues with Environment, Sustainability and the Preventive Measures should be the key feature that we adopt today; otherwise, there will be nothing left for our future generations.

Organizing committee: The course was organized by the following -

Dr. Kamlesh Kaur (Coordinator, EVS Dept.,)
Dr. Lokesh Kumar Gupta (Coordinator, IQAC)
Dr. Uzma Nadeem (Course Coordinator)
Dr. Sanjay Marale (Course Director)
Amit Kumar Yadav (Course Coordinator)



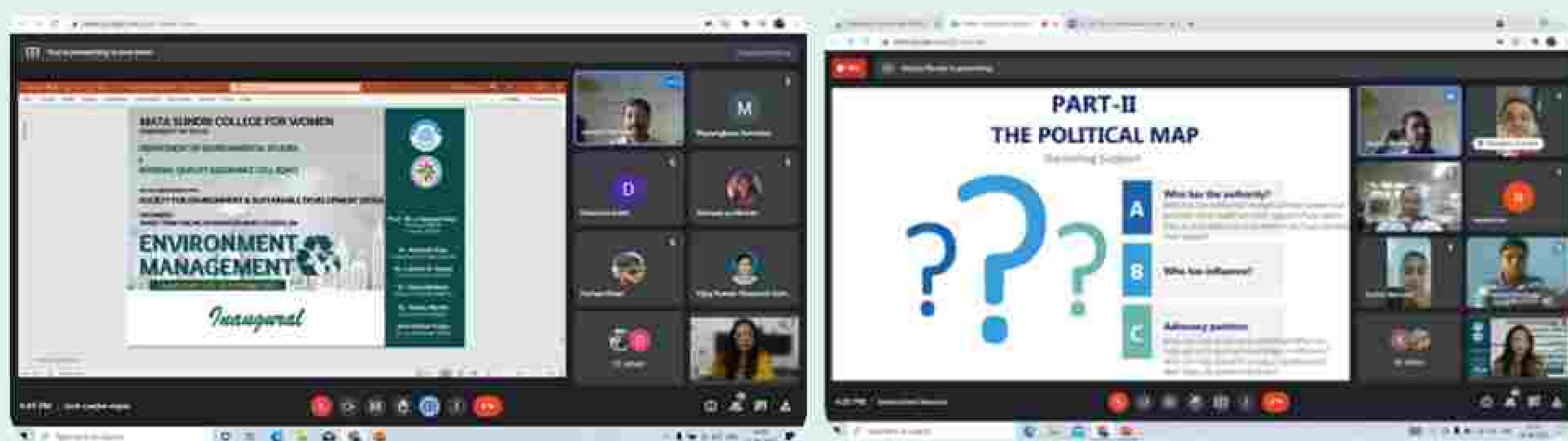
About 106 participants registered for this course from various institutions all across the country. The course was conducted entirely in the online mode. The classes were held after college hours and on weekends and weekdays.

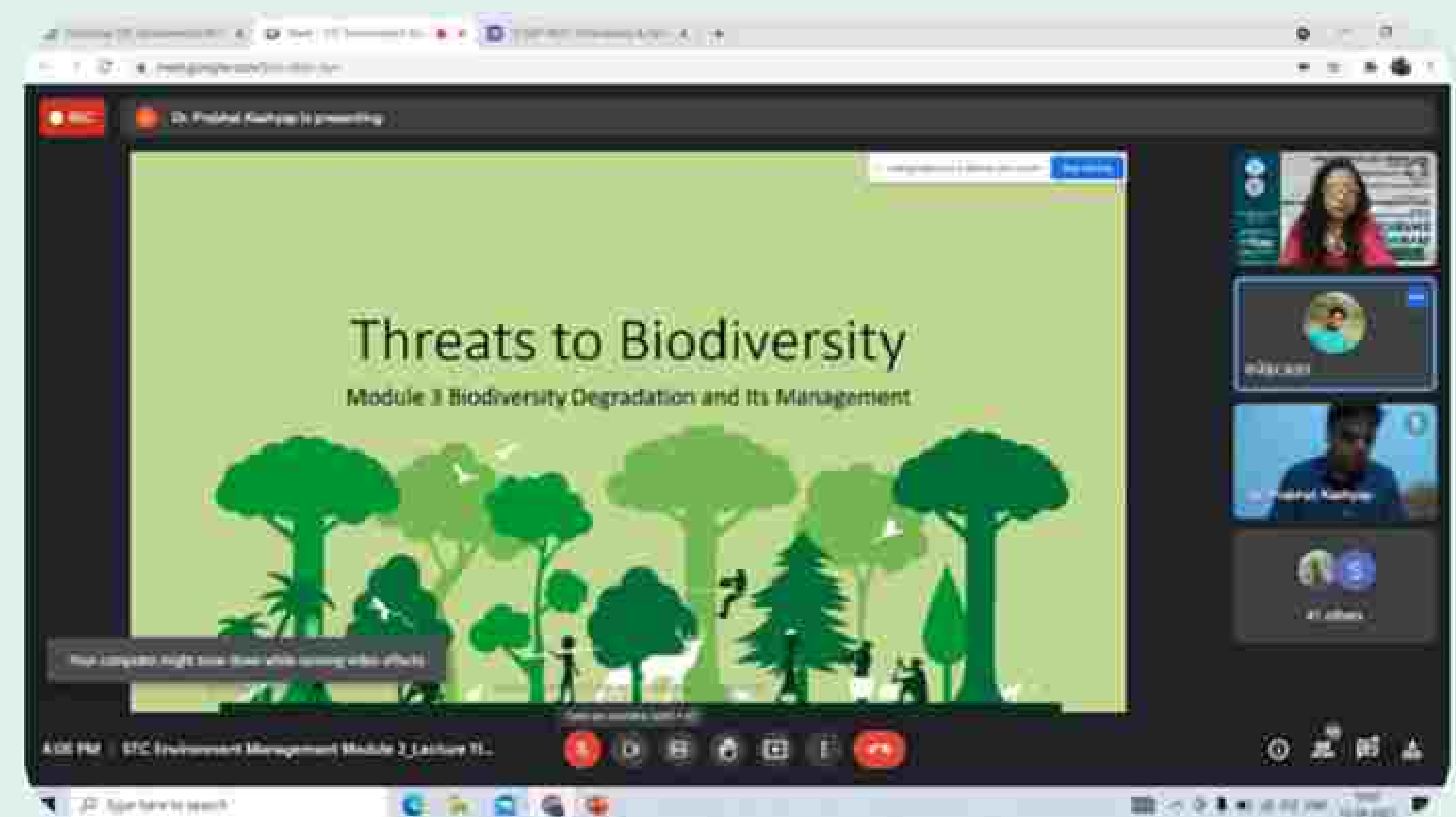
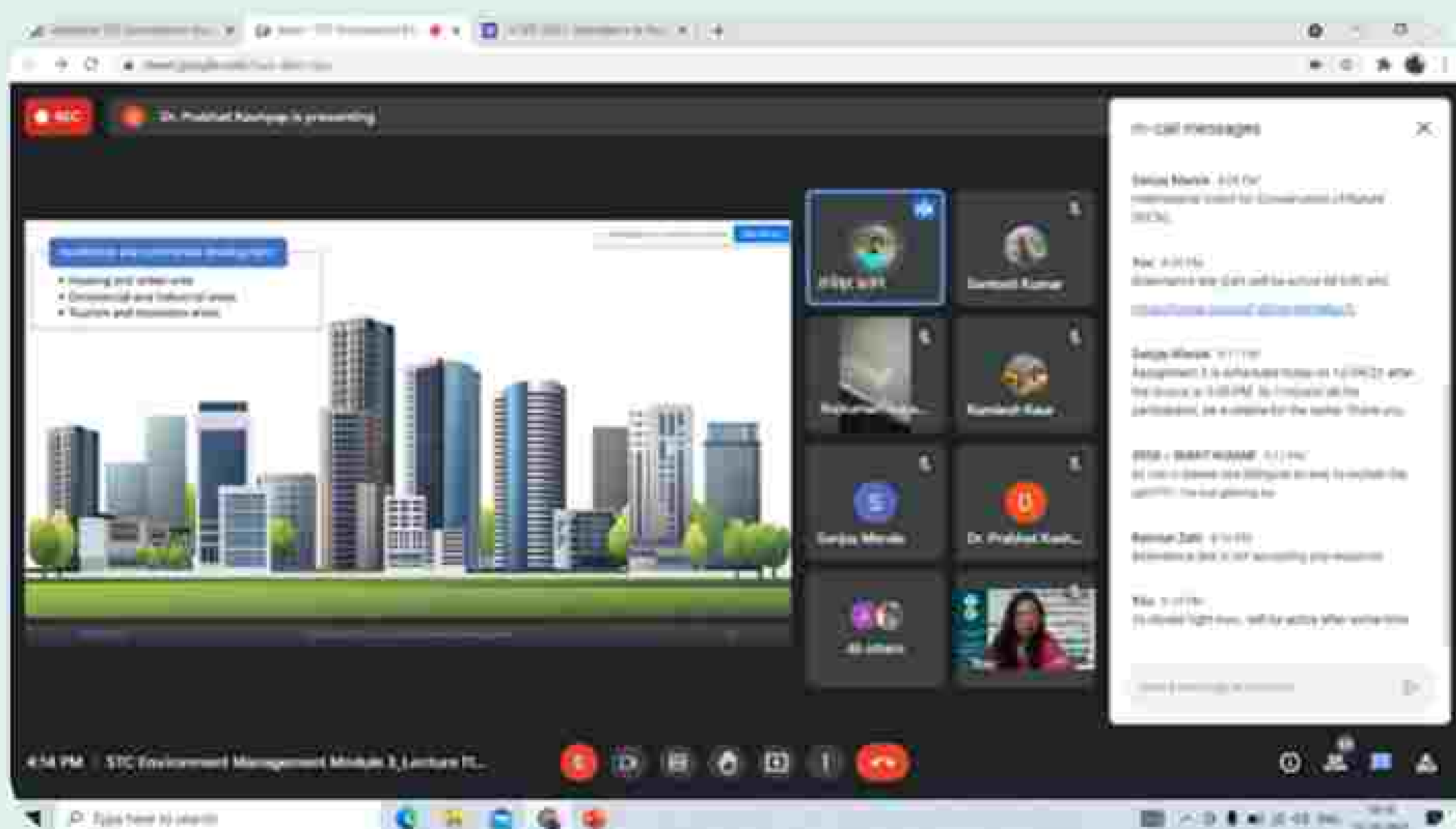
The course was highly interactive, participative, and action-oriented. It gave us a guiding experience in Environment and Sustainability related issues. Focuses on 'How to Protect Our Environment'. It explains being an environment ambassador and understanding Sustainable Development. The sessions were highly interactive under the guidance of experts.

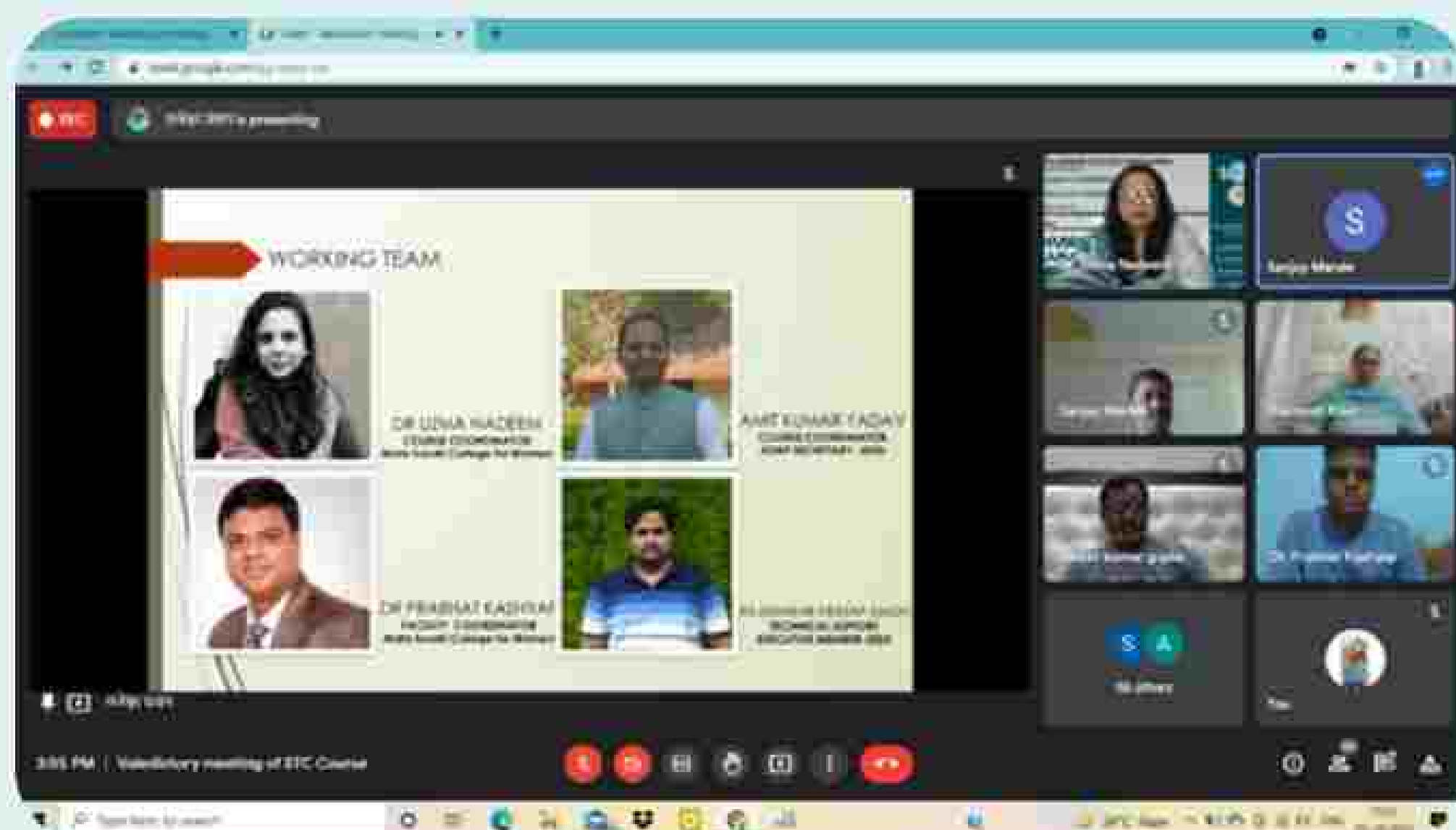
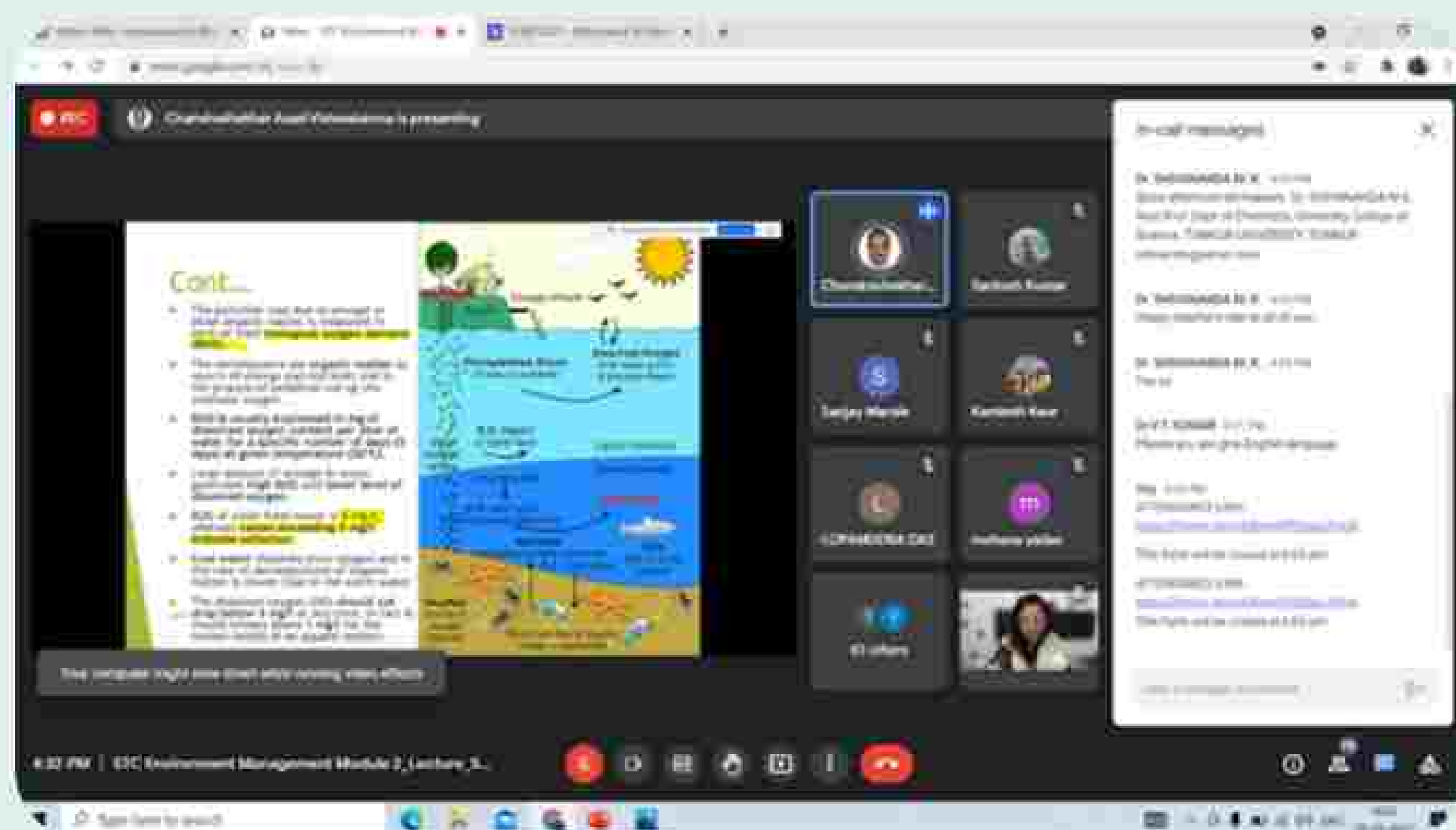
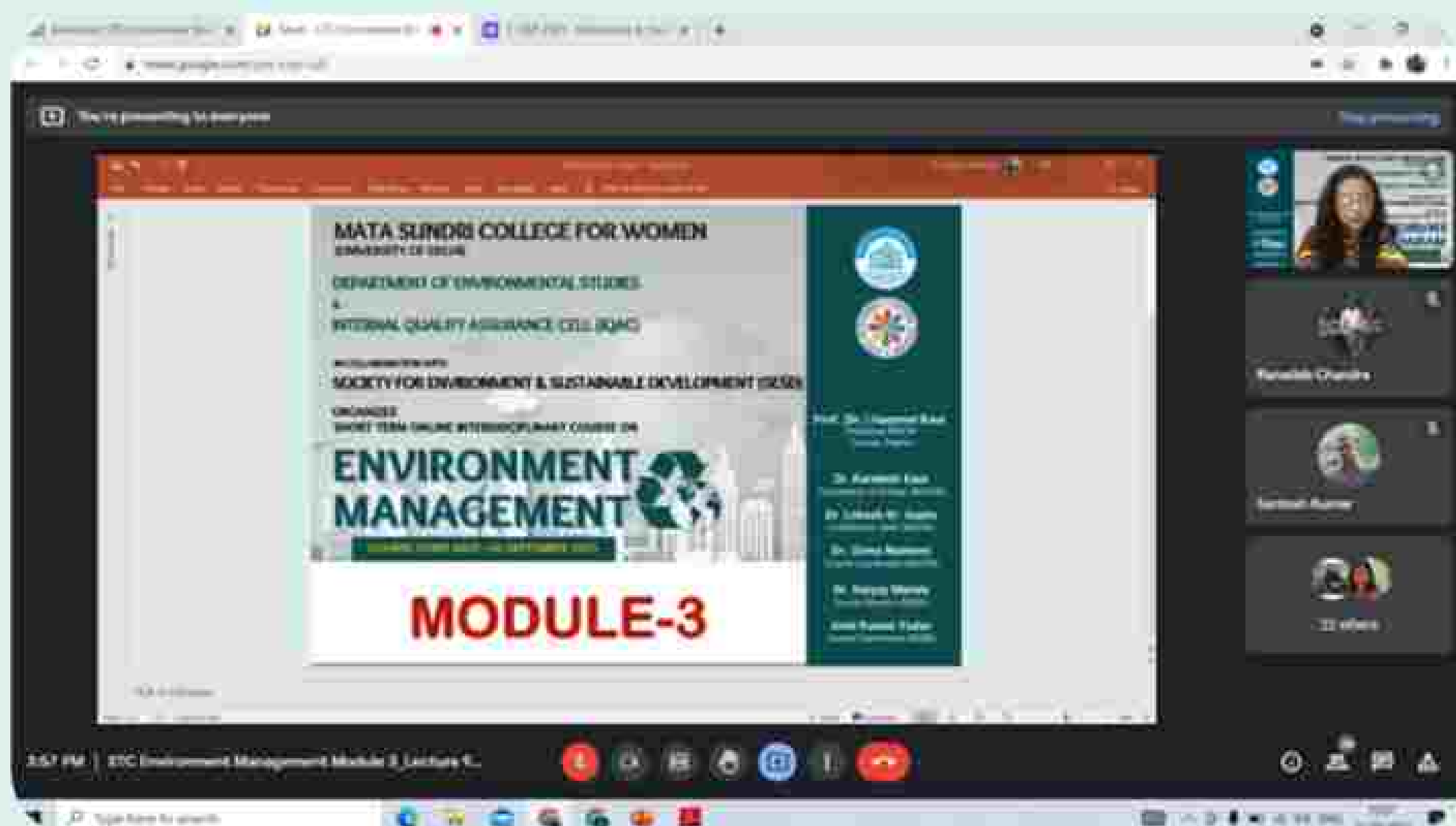
Practical knowledge was imparted with the help of videos, graphs, and diagrams for a better understanding of the students.

After completion of each module, assignments were given. The mode of the quizzes was Google Quiz wherein the students had to answer objective-based questions to test their understanding of the lectures. On the basis of performance E - Certificates were issued to the participants after the completion of the course.

The course proved to be a huge success. It was a highly advantageous and eye-opening lesson for those who neglect the environment. It encourages the younger generation to take up environmental issues and approach them with an action-oriented motive.







TOPICS COVERED



DAY 1

- Global Warming
- Ozone Layer Depletion

DAY 2

- Climate Change
- International Organization and Policies

DAY 3

- Water Pollution
- Air Pollution

DAY 4

- Soil Pollution
- Solid Waste Management

DAY 5

- Levels of Biodiversity
- Importance of Biodiversity

DAY 6

- Threats to Biodiversity
- Management Strategies for Biodiversity Conservation

DAY 7

- Environmental Movements
- Environment Activists

DAY 8

- Conservation Awareness Programs
- Emerging Global Solutions

DAY 9

- Environment Management
- Sustainable Development Goals (SDGs)

DAY 10

- Education for Environment
- Education for Sustainable Development

STUDENT TEAM

Ekisha Mehrotra
Zoya Arshad
Jigyasa Singh
Preet Kaur
Tarika Jain
Asees Kaur

VIRTUAL TRIPS

2021-22



A Virtual Visit to YAMUNA BIODIVERSITY PARK

July 12, 2021

A virtual visit to Yamuna Biodiversity Park was organized by the Department for the students to understand nature conservation through virtual nature trails covering different forest communities along with Conservatory of Herbal plants, Butterfly Conservatory, Gene Bank, and Wetland Ecosystems.

Our resource persons were Dr. Faiyaz Ahmad Khudsar (Scientist-in-charge, Yamuna Biodiversity Park) & Ms. Ranjeeta Kumari (Nature Education Officer) who, with their intellect and experience combined, left the students enchanted with their knowledge of the green world.

Convenor : Dr. Uzma Nadeem

Course Coordinator: Dr. Kamlesh Kaur



**MATA SUNDRI COLLEGE FOR WOMEN
(UNIVERSITY OF DELHI)
DEPARTMENT OF ENVIRONMENTAL STUDIES**
Organizes

A VIRTUAL VISIT TO YAMUNA BIODIVERSITY PARK

ONLY FOR SEMESTER- II

FOR COURSES
B.A. (Hons.) English
B.A. (Hons.) History
B.A. (Hons.) Philosophy
B.A. (Hons.) Punjabi
B.A. (Hons.) Sanskrit
B.A. (Hons.) Hindi
B.A. (Hons.) Pol Science
B.Sc. (Hons.) Computer Science
B.Sc. (Hons.) Mathematics
B.Sc. (Hons.) Statistics

LIVE STREAMING  

June 12, 2021
Saturday
10:30 AM (ONWARDS)

DR. FAIYAZ AHMAD KHUDSAR
Scientist in-charge
Yamuna Biodiversity Park



DR. UZMA NADEEM
(Convenor)

DR. KAMLESH KAUR
(EVS Co-ordinator)

PROF. HARPREET KAUR
(Principal)



A Virtual Visit to ARAVALLI BIODIVERSITY PARK

January 12, 2022

A virtual tour of the Aravalli Biodiversity Park was organized. All the first-semester students of B. Com. (Hons & Prog) joined this virtual tour from 10:00 am to 11:00 am, while B.A. (Prog & Psychology) students of the first semester joined in the second session from 11:30 am to 12:30 pm. The resource person was Ms. Balwinder Kaur (Nature Education Officer-Aravalli Biodiversity Park).

The main objective of the trip was to make students virtually see the various natural ecosystems blooming precisely in the middle of the hustle and bustle of the capital city.

The virtual tour was very informative and thought-provoking. The Aravalli Biodiversity Park is located in the South-Central Ridge of Delhi region, which is spread over an area of 692 acres. Ms. Kaur gave a brief history of the park, including how it was transformed from barren piece of land in 2004 into a lush-green sanctuary hosting a variety of birds, mammals, reptiles, rare ayurvedic plants, butterflies and other insects.

DEPARTMENT OF ENVIRONMENTAL STUDIES
MATA SUNDRI COLLEGE FOR WOMEN
(UNIVERSITY OF DELHI)

Organized
A VIRTUAL VISIT TO
**ARAVALLI
BIODIVERSITY
PARK**

Resource Person :
Ms. Balwinder Kaur
(Nature Education Officer)

January 12, 2022

Batch - 1
B.Com. (Hons & Prog) - 1st Semester
Time : 10:00 AM - 11:00 AM

Batch - 2
B.A. (Prog) & B.A. Psychology (Hons) - 1st Semester
Time : 11:30 AM - 12:30 PM

(COMPULSORY TO ATTEND)

PROF. DR. HARPREET KAUR
(Principal)

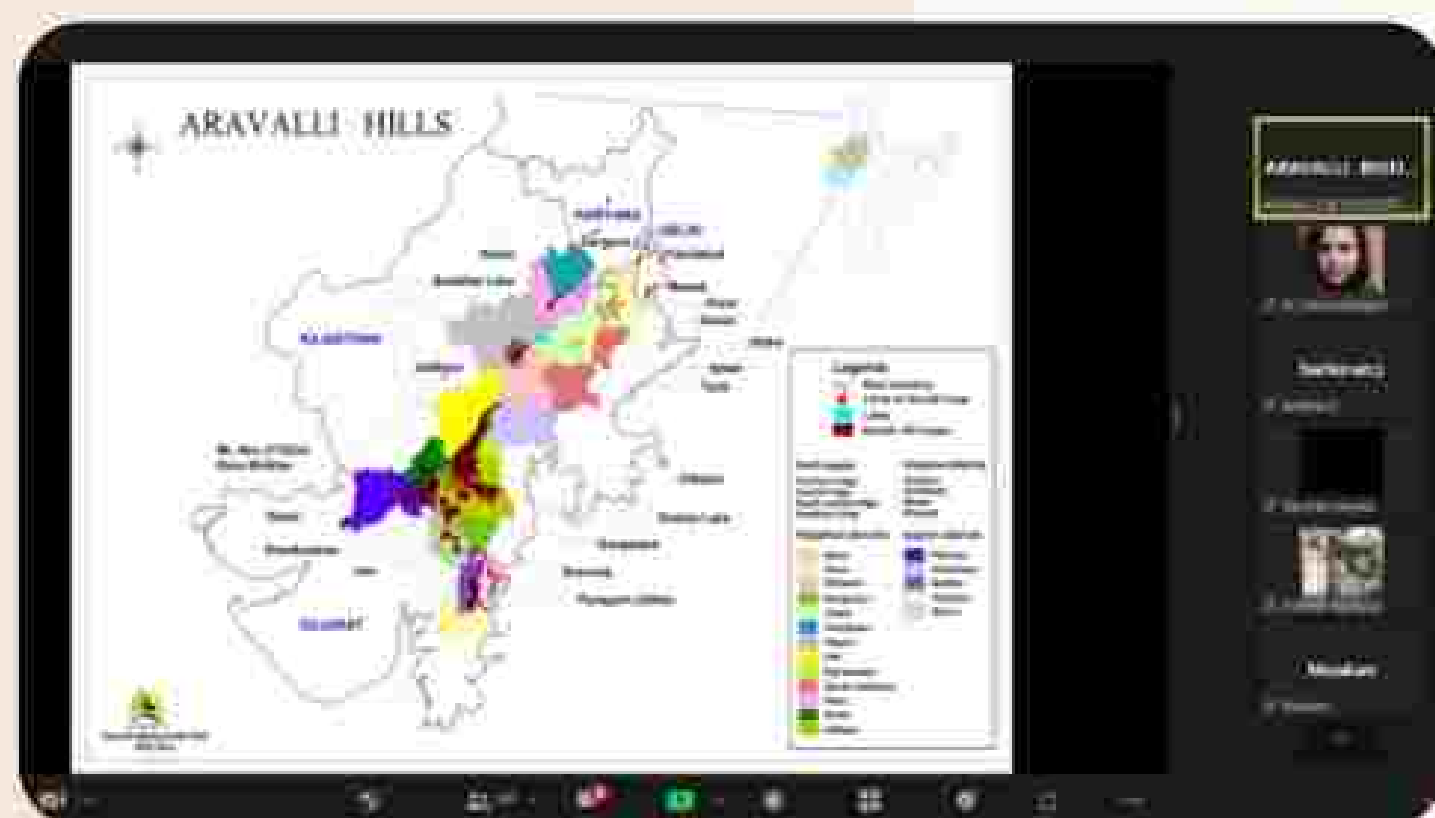
DR. UZMA NADEEM
(Coordinator)

DR. KAMLESH KAUR
(EUS Coordinator)

**LIVE
STREAMING**

Convenor : Dr. Uzma Nadeem

Course Coordinator: Dr. Kamlesh Kaur



The Park features two major zones - the visitor zone and the education zone. In the visitor zone, one can find various ornamental plants such as bougainvillarium (more than 40 species of bougainvillea), rosarium (30 species of roses), succulent conservatory etc. A 2.5 km major nature trail that connect visitor zone to educational zone features a diverse range of tree species. A vast area of the park is also covered with a dry deciduous forest having different species of trees such as *Diospyros melanoxylon* (Tendu), *Adina cordifolia* (Haldu), *Madhuca longifolia* (Mahua), *Mitragyna parviflora* (Ken), *Sapindus laurifolius* (Soapnut, Reetha) and *Prosopis juliflora* (Vilayati kikar). The shrubland of the park contains a wide variety of native shrub species such as *Capparis*, *Rhus*, *Lycium*, *Carissa* etc.



Ms. Kaur, also showed various animal species such as jackal, blue bull (nilgai), reptiles like red sand boa, red snake, Indian cobra, cat snake, python etc in the rangeland of the park. The Park is home to a variety of birds species such as Indian sliverbill, white-eared bulbul, Indian treepie, golden oriole, jungle babbler, house sparrow hoopoe. The butterfly conservatory was magnificent, housing more than 100 species of butterflies and moths. Ms. Balwinder explained the life cycle of a butterfly with the help of animation, which was quite impressive. The Park also has a conservatory of orchids such as *Thunia alba*, *Vanda cristata*, *Aerides multiflora*, *Acampe praemorsa* and *Coelogyne cristata*. A cluster of morrum mined pits was developed into a Fernery for the conservation of ferns in the park. The main species of fern are *Pteris pellucida*, *Polystichum* sp., *Pteridium esulentum* etc. were showed with the help of presentation, videos and photographs. Overall, it was a very informative and interactive session and left all the participants amazed.



WORKSHOP

2021-22



An online awareness workshop on sustainable E-waste Management

“THE SMART CLEANER”

October 27, 2021

“The Smart Cleaner”, an online awareness workshop on sustainable E-waste management in collaboration with E-Junki, on - 27th October 21.

The main objective of the program is to provide a better understanding of the key aspects of e-waste management and recycling in India, the legal aspects, and effective management practices of e-waste.

Mr. Aditya Rai explained e-waste and its consequences and how recycling the waste from electronics saves space in the landfills and prevents the environmental pollution caused by the toxins. Recycling also reduces the need for landfills in the first place. He also discussed that goods made from recycled materials use less water, create less pollution and use less energy. He focused upon When, what, how and about the E-waste, and elaborated about the position of India in terms of e-waste discarding. Mr Aditya explained that the goal of e-waste recycling providers is to help businesses and organizations in getting rid of obsolete electronics and safeguard the environment. At the end of the session, students took part in the quiz based on their day-to-day behavior. It was based on two processes - from collecting e-waste to its transportation, students were advised to check their e-footprint based on the points mentioned in the options. It was a highly interesting session.

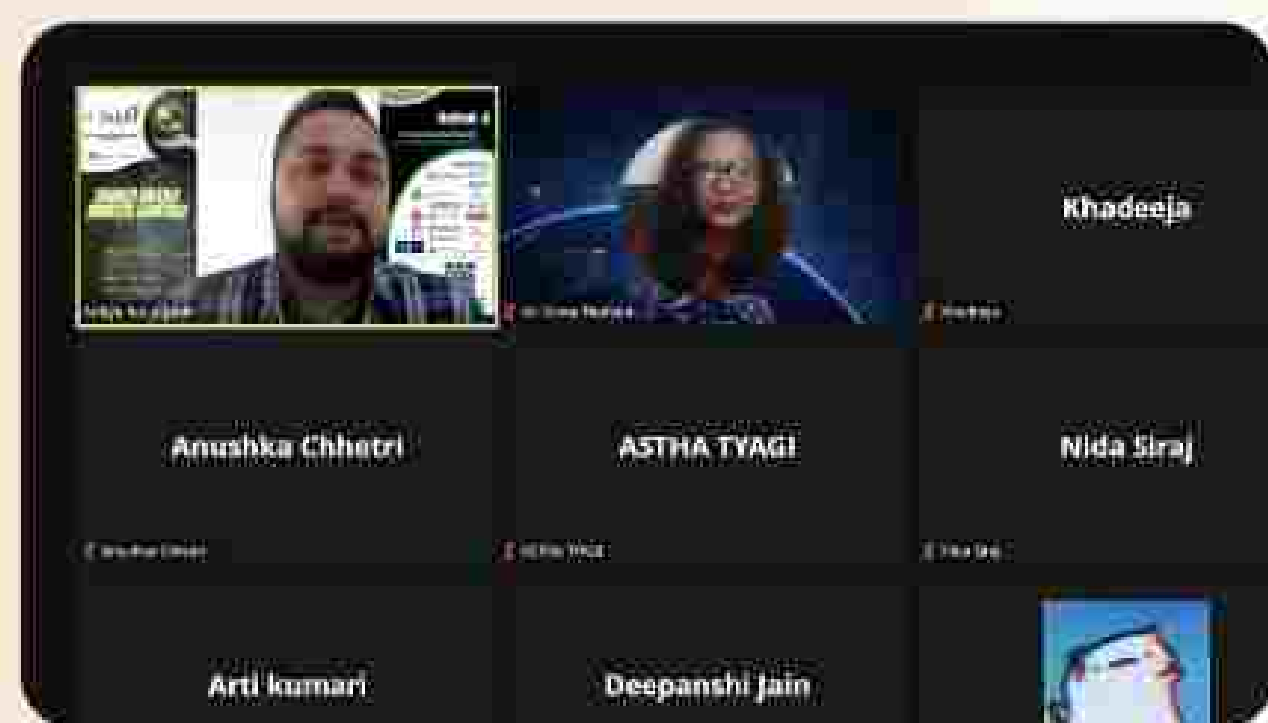
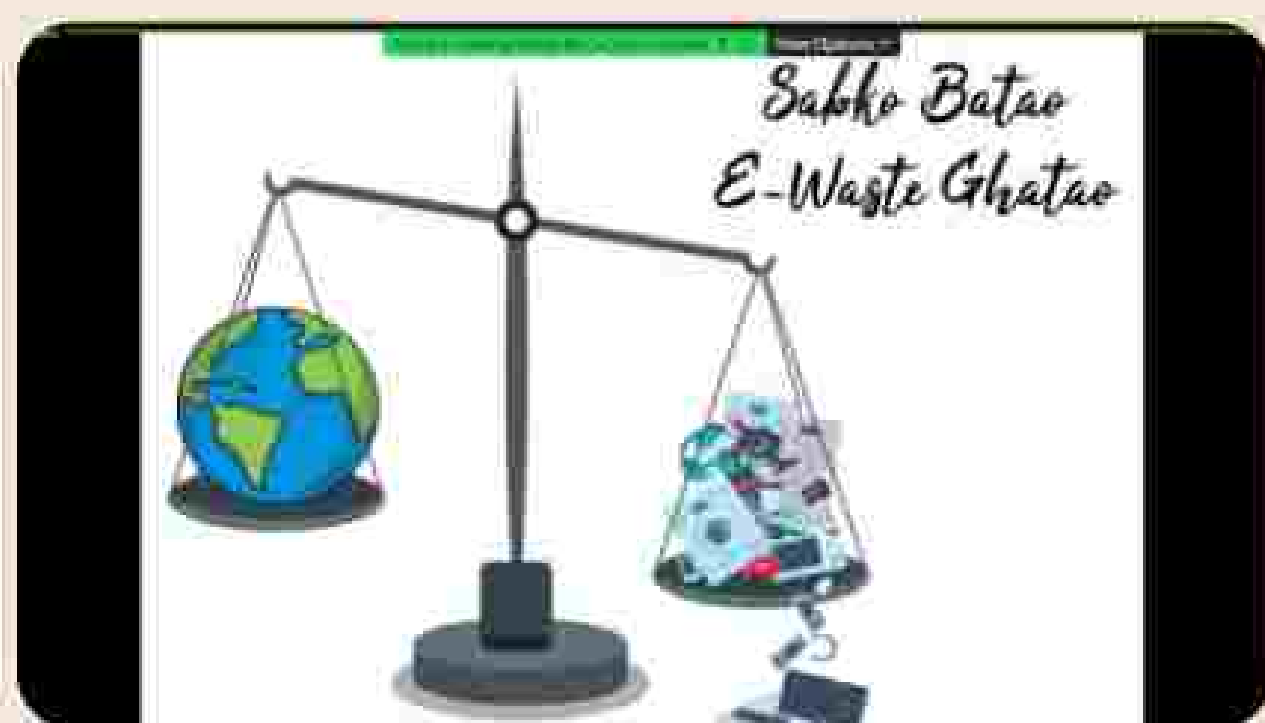
The poster is for an online awareness workshop titled "THE SMART CLEANER" on Sustainable E-Waste Management. It is organized by the Department of Environmental Studies at Mata Sundri College for Women, University of Delhi, in collaboration with e-Junki and Hulladok. The speakers are Devansh Chopra and Aditya Rai. The event is scheduled for October 27, 2021, at 11:00 AM. A QR code is provided for registration, and a certificate will be issued. The poster also lists the convenor, Dr. Uzma Nadeem, and the course coordinator, Dr. Kamlesh Kaur.

Convenor : Dr. Uzma Nadeem

Course Coordinator: Dr. Kamlesh Kaur

Outcome: The session helped the students understand the problem of e-waste and helped them adopt some simple changes in their lives for better management of e-waste. Making those simple changes, and encouraging others to do the same, will help reduce e-waste significantly.

Glimpse from the Workshop



FEEDBACK

The webinar was extremely knowledgeable, and students got to know how much e-waste is increasing day-by-day. Thus, people should stop being ignorant and reduce use of electronics.



EARTHCON EVENTS

2021-22

Webinar by WWF-India on Plastic Pollution

July 19, 2021

EARTHCON SOCIETY
DEPARTMENT OF ENVIRONMENTAL STUDIES
MATA SUNDRI COLLEGE FOR WOMEN
(UNIVERSITY OF DELHI)
Organizes

LIVE QUIZ

A WEBINAR ON
**PLASTIC POLLUTION
IN THE MARINE
ENVIRONMENT**

**CLICK TO
REGISTER**

ASHISH ROSE
SENIOR PROGRAMME OFFICER- WWF VOLUNTEERS
WWF-INDIA

19 JULY, 2021 • 04:00 PM

E-CERTIFICATES TO ALL PARTICIPANTS

892-055-5653

f @earthcon15
@earthconsocietymc

DR. UZMA NADEEM
(CONVENOR)

DR. KAMLESH KAUR
(COORDINATOR, EVS DEPARTMENT)

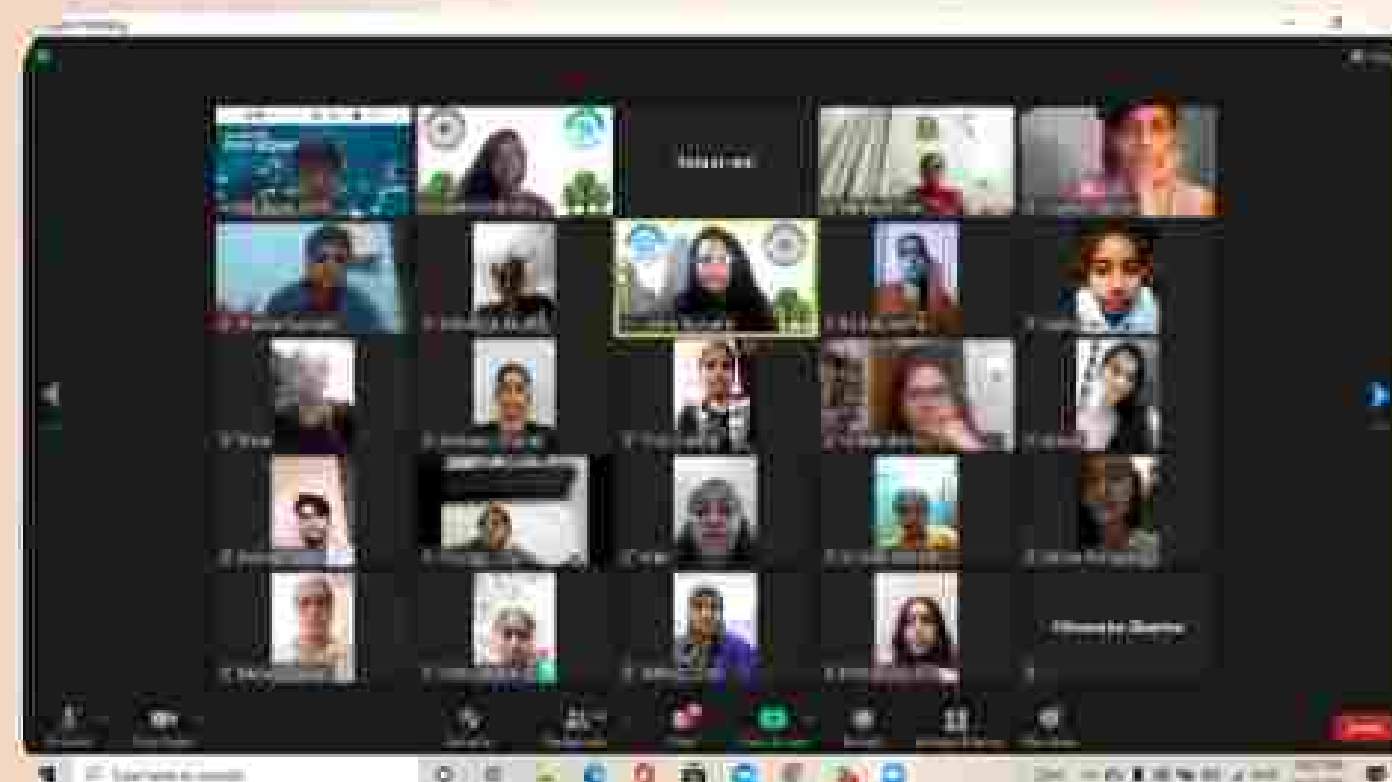
PROF. HARPREET KAUR
(PRINCIPAL)

The Earthcon Society conducted a Webinar on “Plastic Pollution in the Marine Environment” on the 19th of July 2021. The Senior Programme Officer of WWF-India, Mr. Ashish Rose, was the guest speaker for the event. World Wildlife Fund was founded in 1961 and has now covered more than 100 countries on 6 continents of the world. WWF works towards a sustainable landscape, livelihood, rivers, wetlands and water, business, agriculture, climate, research and many more fields to protect the environment. Approximately, more than 300 million tons of plastic is produced in the world each year.

Convenor : Dr. Uzma Nadeem

Course Coordinator: Dr. Kamlesh Kaur

Mr. Ashish discussed that the problem of plastic in nature, particularly in our oceans, is a global crisis. Every minute, a dump-truck load of plastic goes into the oceans, sully beaches, hurting wildlife, and contaminating our food supply. Mr. Ashish also discussed that WWF is fighting for a world with no plastic in nature by 2030. It's a world where our oceans teem with marine life, not discarded nets, bottles and bags. Where no human breathes the toxic fumes of burning plastic. And where every indispensable plastic product is used to make another. The webinar was highly interactive. Five videos were shown to raise awareness among the masses. A zoom quiz was also conducted to make the event more fun and interesting.



"Tinke se ghosle tak ka safar"

Bird Nest Making Workshop

October 1, 2021



The poster is for a Bird Nest Making Workshop. At the top, it says "EARTHCON SOCIETY" and "DEPARTMENT OF ENVIRONMENTAL STUDIES, MATA SUNDRI COLLEGE FOR WOMEN (UNIVERSITY OF DELHI)". It also mentions "Organizes A WORKSHOP ON BIRD NEST MAKING". The title in Hindi is "तिनके से घोसले तक का सफर" (Tinke se ghosle tak ka safar). It is in association with Eco Roots Foundation. The date and time are "OCTOBER 01, 2021 10:30 AM". The venue is "MATA SUNDRI COLLEGE FOR WOMEN". The speaker is "SHRI RAKESH KHATRI", "NEST MAN OF INDIA | SPARROW WHISPERER", "FOUNDER & DIRECTOR - ECO ROOTS FOUNDATION". There is a photo of Shri Rakesh Khatri holding a bird nest. A "REGISTER NOW!" button is on the right. At the bottom, there are three circular portraits of the organizers: Dr. Uzma Nadeem (Convenor), Dr. Kamlesh Kaur (Coordinator, EVS Department), and Prof. Harpreet Kaur (Principal). A list of achievements for Shri Rakesh Khatri is also provided.

EARTHCON SOCIETY
DEPARTMENT OF ENVIRONMENTAL STUDIES
MATA SUNDRI COLLEGE FOR WOMEN
(UNIVERSITY OF DELHI)

Organizes
**A WORKSHOP ON
BIRD NEST MAKING**
"तिनके से घोसले तक का सफर"
in association with Eco Roots Foundation

OCTOBER 01, 2021 10:30 AM
VENUE: MATA SUNDRI COLLEGE FOR WOMEN
BY
SHRI RAKESH KHATRI
NEST MAN OF INDIA | SPARROW WHISPERER
FOUNDER & DIRECTOR - ECO ROOTS FOUNDATION

- LIMCA BOOK OF RECORD HOLDER FOR SPARROW CONSERVATION
- INTERNATIONAL GREEN APPLE AWARD WINNER FOR SPARROW CONSERVATION
- LIMCA BOOK OF RECORD NATIONAL RECORD FOR THEATER ON CLIMATE CHANGE
- EARTH DAY NETWORK STAR
- NATIONAL AWARD FOR OUTSTANDING EFFORTS IN SCIENCE & TECHNOLOGY COMMUNICATION
- DR. RN'S HON AWARD FOR BEST ENVIRONMENTAL PROJECT IN URBAN AREAS IN THE MEMORY OF DR. VIKAS AGGARWAL

• Only for MSC students.
• E-Certificate to all the participants.
• Limited seats (Entry on first come, first serve basis).
• No objection letter from parents/guardian is mandatory.

083-055-5653 | @earthcon11 | @earthconsocietymsc

DR. UZMA NADEEM
(CONVENOR)

DR. KAMLESH KAUR
(COORDINATOR, EVS DEPARTMENT)

PROF. HARPREET KAUR
(PRINCIPAL)

An interactive workshop on Bird Nest Making Workshop "तिनके से घोसले तक का सफर" was organized in association with Eco Roots Foundation, by the Nest Man of India, Mr Rakesh Khatri, Founder and Director of Eco Roots Foundation on October 01, 2021 at Mata Gujri Hall, Mata Sundri College for Women, where students were taught how and why to build nests for sparrows.

Convenor : Dr. Uzma Nadeem

Course Coordinator: Dr. Kamlesh Kaur

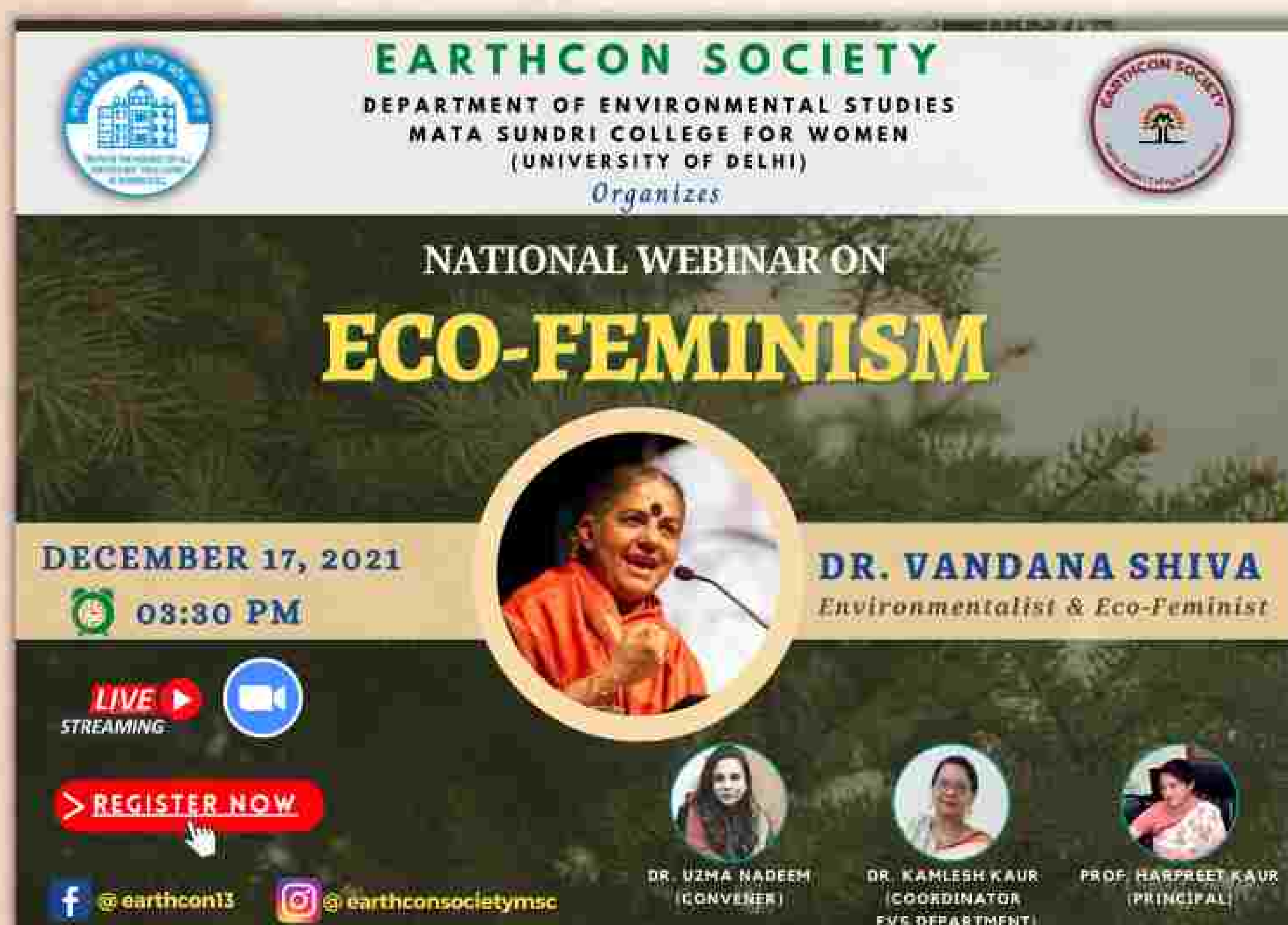
This workshop was organized to celebrate the beginning of the Wildlife Week, 2021. The resource person, Mr. Rakesh Khatri, apprised everyone about the dwindling number of sparrows and the need to save the species and their habitat. The learners made a nest for sparrows using waste and biodegradable material, showcasing their responsible behavior towards the fauna of the country. It was an enriching workshop that inspired everyone and brought everyone closer to nature and our roots. Anushka Sharma , a student of B.A. Program of Mata Sundri College for Women won the Best Nest Award and all the participants who made nests received “Eco Warrior” Badges by Eco Roots Foundation by Shri Rakesh Khatri.



Webinar

NATIONAL WEBINAR ON ECO-FEMINISM

December 17, 2021



The poster is for a webinar organized by Earthcon Society. At the top, it says 'EARTHCON SOCIETY' in green, followed by 'DEPARTMENT OF ENVIRONMENTAL STUDIES' and 'MATA SUNDRI COLLEGE FOR WOMEN (UNIVERSITY OF DELHI)' in black. Below this, it says 'Organizes' in a cursive font. The main title 'NATIONAL WEBINAR ON ECO-FEMINISM' is in large, bold, yellow letters. A central circular image shows Dr. Vandana Shiva speaking. To the left of the image, it says 'DECEMBER 17, 2021' and '03:30 PM' with a clock icon. To the right, it says 'DR. VANDANA SHIVA' and 'Environmentalism & Eco-Feminist'. Below the central image, there are three smaller circular images of other speakers: Dr. Uzma Nadeem (Convenor), Dr. Kamlesh Kaur (Coordinator, EVS Department), and Prof. Harpreet Kaur (Principal). At the bottom left, there is a 'LIVE STREAMING' icon, a 'REGISTER NOW' button with a hand cursor, and social media handles for Facebook (@earthcon13) and Instagram (@earthconsocietymisc). The background of the poster features a green, leafy texture.

EARTHCON SOCIETY
DEPARTMENT OF ENVIRONMENTAL STUDIES
MATA SUNDRI COLLEGE FOR WOMEN
(UNIVERSITY OF DELHI)
Organizes

**NATIONAL WEBINAR ON
ECO-FEMINISM**

DECEMBER 17, 2021
03:30 PM

DR. VANDANA SHIVA
Environmentalism & Eco-Feminist

LIVE STREAMING

> REGISTER NOW

DR. UZMA NADEEM
(CONVENOR)

DR. KAMLESH KAUR
(COORDINATOR
EVS DEPARTMENT)

PROF. HARPREET KAUR
(PRINCIPAL)

@earthcon13 **@earthconsocietymisc**

Earthcon Society, organized 'The National Webinar on Eco-Feminism' on December 17, 2021 through Zoom at 3:30 pm with our honorable speaker, environmentalist and eco-feminist, Dr. Vandana Shiva.

The main objective of this webinar was to make students understand the relationship between women and the earth.

Convenor : Dr. Uzma Nadeem

Course Coordinator: Dr. Kamlesh Kaur

Dr. Vandana Shiva, who is an Indian scholar, environmental activist, food sovereignty advocate, eco-feminist and anti-globalisation author was kind enough to join us and enlighten the students about the topic 'Eco-Feminism'. Dr. Vandana Shiva played a major role in the global ecofeminist movement and in the session, she emphasised on stopping the violence against the nature and portrayed how women and the nature are connected to each other. Environmental Movements like Tebhaga and Chipko were also discussed during the session. Dr. Vandana Shiva elaborated her thoughts on 'Mitti, Paani Aur Byaar, Zinda Rehne Ke Adhaar' like how soil, water and air are the main components of forest. Dr. Vandana Shiva also elaborated that Ecofeminist activism may have grown out of the feminist and environmental movements of the 1970s but it is here to stay. She said that, girls and women are taking the lead in the modern environmental and climate change movements across the world.

Dr. Vandana Shiva



According to her, a more sustainable and productive approach to agriculture can be achieved by reinstating the system of farming in India that is more centered on engaging women.

As the outcome, students have now a better understanding about the term Eco-Feminism and its importance.

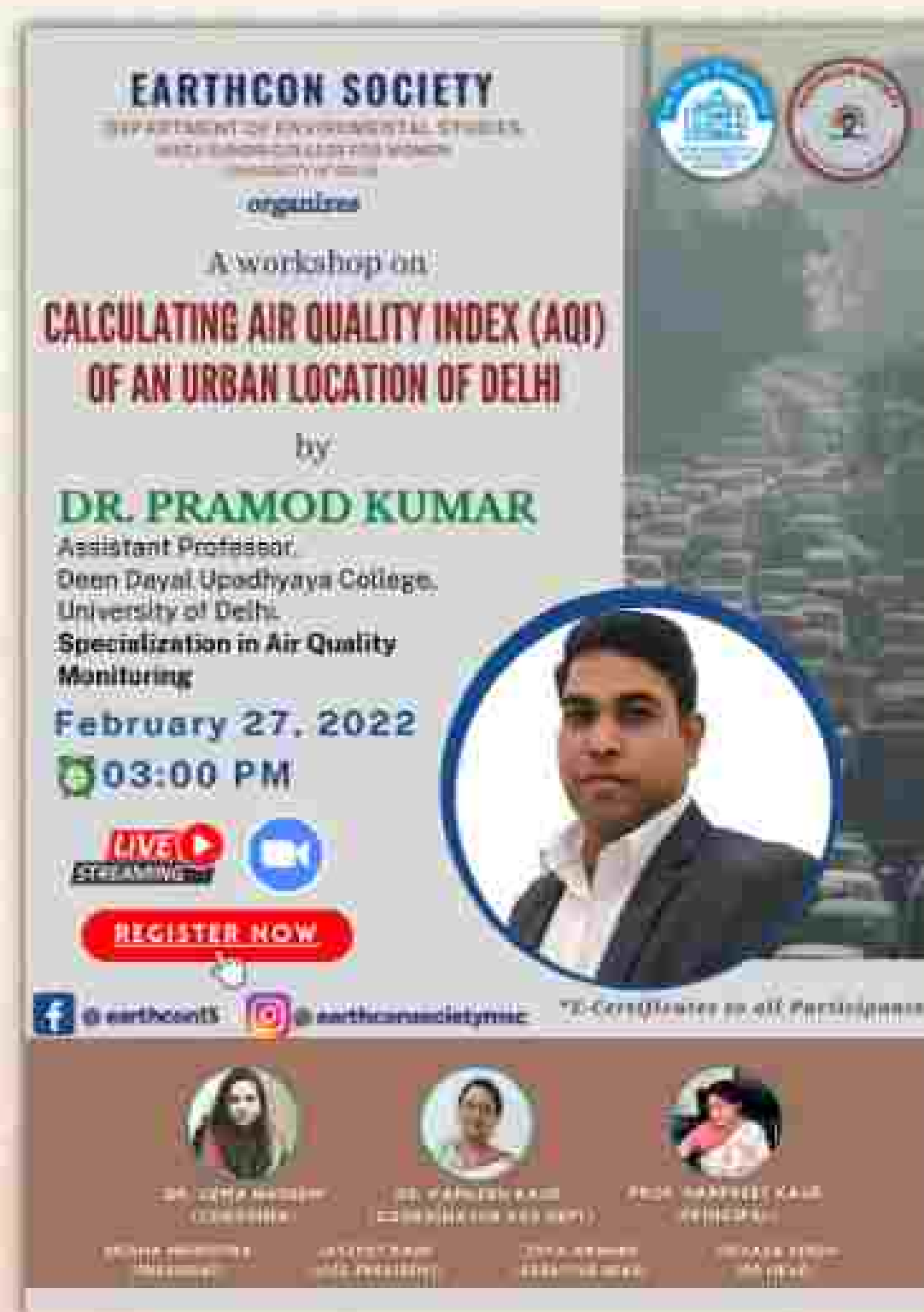


WORKSHOP ON CALCULATING AIR QUALITY INDEX OF URBAN POPULATION OF DELHI

February 27, 2022

The Earthcon Society has organized “A Workshop on Calculating Air Quality Index of Urban Population of Delhi” an online awareness workshop on - 27th February 2022 with the honourable guest speaker – Dr. Pramod Kumar, Assistant Professor, Deen Dayal Upadhyaya College, University of Delhi.

The main objective of the programme was to provide a better understanding of the key aspects of the air pollutants and an alarming need of good air quality. Mr. Pramod Kumar explained about air pollution, effects and its consequences and how Air Quality Index is calculated and the necessity to prevent environmental pollution caused by toxins. He focused that how air quality deteriorate human health. At the end of the session students took part in the quiz based on calculation of Air Quality Index. It was a highly enriching session, in which students keenly participated.



EARTHCON SOCIETY
DEPARTMENT OF ENVIRONMENTAL STUDIES
UNIVERSITY OF DELHI
organizes

A workshop on:
**CALCULATING AIR QUALITY INDEX (AQI)
OF AN URBAN LOCATION OF DELHI**

by
DR. PRAMOD KUMAR
Assistant Professor,
Deen Dayal Upadhyaya College,
University of Delhi.
Specialization in Air Quality
Monitoring

February 27, 2022
03:00 PM

LIVE STREAMING

REGISTER NOW

@earthcon15 @earthconsocietymsc

*D-Certificates to all Participants

DR. UZMA NADEEM
CONVENOR

DR. KAMLESH KAUR
COORDINATOR FOR RES. DEPT.

PROF. HARPREET KALU
PRINCIPAL

DR. ANSHU
ASSISTANT DEAN

DR. RAJESH
DEAN

Convenor : Dr. Uzma Nadeem

Course Coordinator: Dr. Kamlesh Kaur



Outcome: This session helped students understand the problem of bad air quality, calculating “Air Quality Index”.

WORLD WATER DAY CELEBRATION

WATER FLASH

A quiz competition based on documentaries

March 22, 2022

Earthcon Society has organized "WATER FLASH" a quiz competition based on documentaries, on the occasion of World Water Day at Mata Gujri Hall.

The main objective of the programme is to provide a better understanding of the key aspects of e- water management and its pollution in India, the legal aspects and effective management practices of water.

The event started with "two wonderful documentaries based on water conservation techniques" which emphasized the urge of the planning and revival of water bodies with the systematic help of local people with the government. The film documentary helped the students in understanding the calling urge of change within oneself. Subsequently, the visual action was followed by a quick question and answer session, among seven teams in two rounds, resulting in selection of winners, who were awarded with embellished jute bags.



Convenor : Dr. Uzma Nadeem

Course Coordinator: Dr. Kamlesh Kaur

April 22, 2022

Course Coordinator: Dr. Kamlesh Kaur



"AAZADI KA AMRIT MAHOTSAV"

CYCLOTHON

2021-22



"Aazadi ka Amrit Mahotsav" CYCLOTHON

October 29, 2021



Students of the Earthcon Society, Department of Environmental Studies, Mata Sundri College for Women, University of Delhi participated in "Cyclothon" cycling drive organized by PCRA in the event "Aazadi ka Amrit Mahotsav" on 29th October, 2021. The students as well as the teacher coordinator, Dr. Uzma Nadeem participated to promote a healthy environment and fuel conservation.





PLEDGES

2021-22

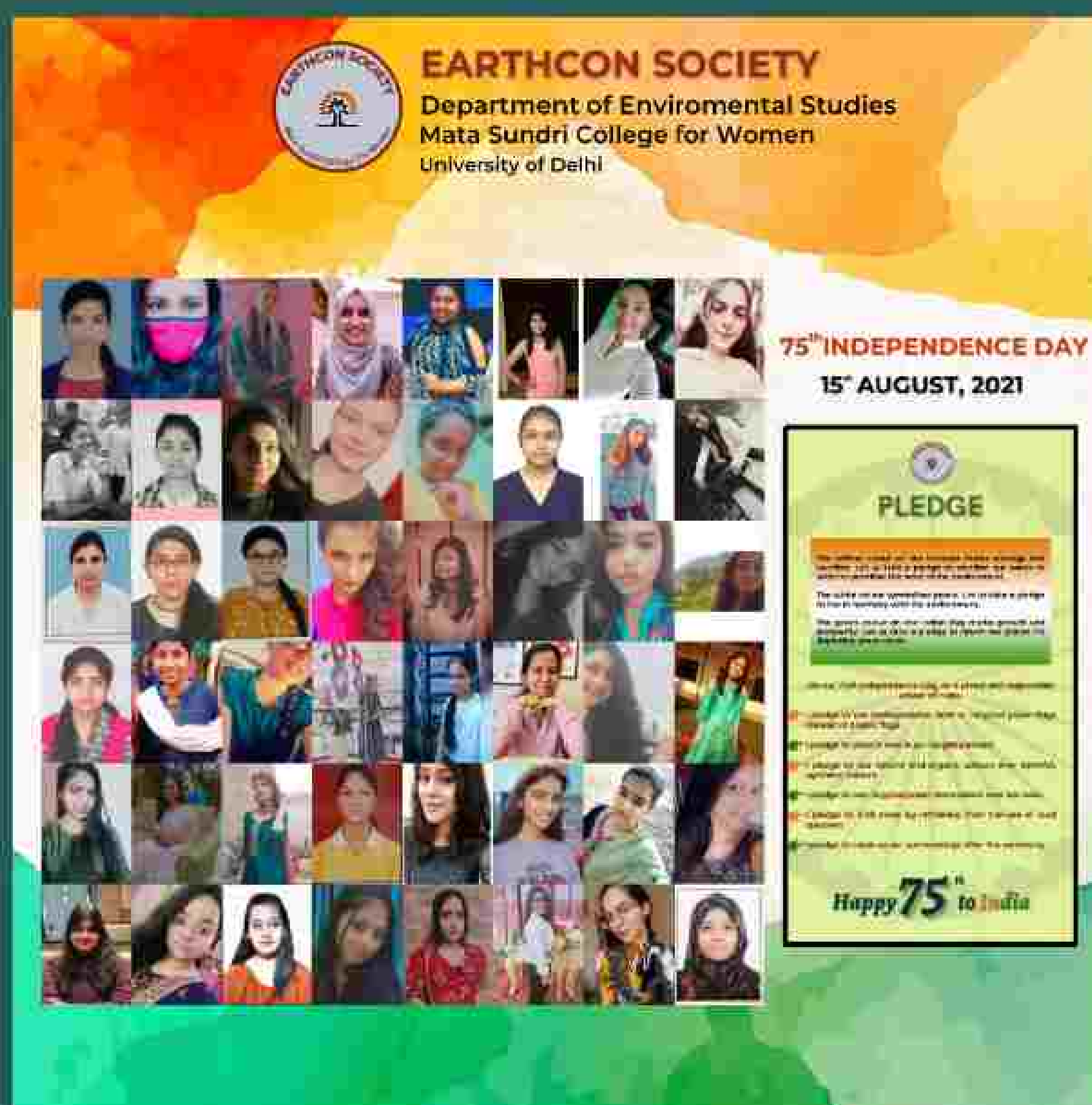
INTERNATIONAL PLASTIC-FREE BAG DAY PLEDGE

To mark the occasion of the International Plastic Bag Free Day, which is celebrated on 3rd July each year, we invited everyone to take a pledge to conserve the environment by not using plastic bags for a day. It has become very important to stop using plastic bags to conserve the environment and for the betterment of the future generations. It was wonderful to see the number of responses towards the environment. It was an amazing initiative that inspired each one of us and brought us closer to nature.



75th INDEPENDENCE DAY PLEDGE

The Independence Day pledge was organised to promote green celebration for the 75th Independence Day of the country. Nearly 50 people participated in the pledge, making it a success. The pledge included planting trees, using natural colours, limiting noise, choosing paper decorations over balloons and much more. It aimed to promote a sustainable and eco-friendly celebration for a cleaner, greener, happier and healthier India.



RAKSHA BANDHAN PLEDGE

On the occasion of Raksha Bandhan on August 22, 2021, members of the Earthcon Society invited everyone to take a pledge to celebrate an environment-friendly Raksha Bandhan. The aim of this was to keep up the promise of protection not just with each other, but with Mother Earth. Each year lakhs of plastic and nonbiodegradable Rakhis end up in landfills which add to the pollution. Through this pledge, we looked to encourage the use of plantable and self-made rakhis. We received overwhelming responses from the students of various disciplines.

**EARTHCON SOCIETY**
Department of Environmental Studies
Mata Sundri College for Women
University of Delhi



**PLEDGE**
Raksha Bandhan is the sacred festival of affection celebrating togetherness. Unfortunately, each year, lakhs of plastic and nonbiodegradable Rakhis end up in landfills adding to the pollution of the environment.

This Raksha Bandhan, I
• Pledge to use ecofriendly Rakhis.
• Pledge to use organic colours and natural ingredients.
• Pledge to make my Rakhis out of biodegradable items like paper, cardboard, grass, etc.
• Pledge to gift Rakhis and treat them as symbols of our promise and bond.
• Join in our efforts to protect each other from the Rakhidashan till the end of the year committed to Mother Earth.
**HAPPY GREEN
RAKSHA BANDHAN**



A stylized illustration of the Earth, showing the continents in a light olive green color against a dark navy blue background. The Earth is centered, with North and South America visible. Scattered around the globe are several yellow, multi-pointed starburst shapes, resembling stars or fireworks.

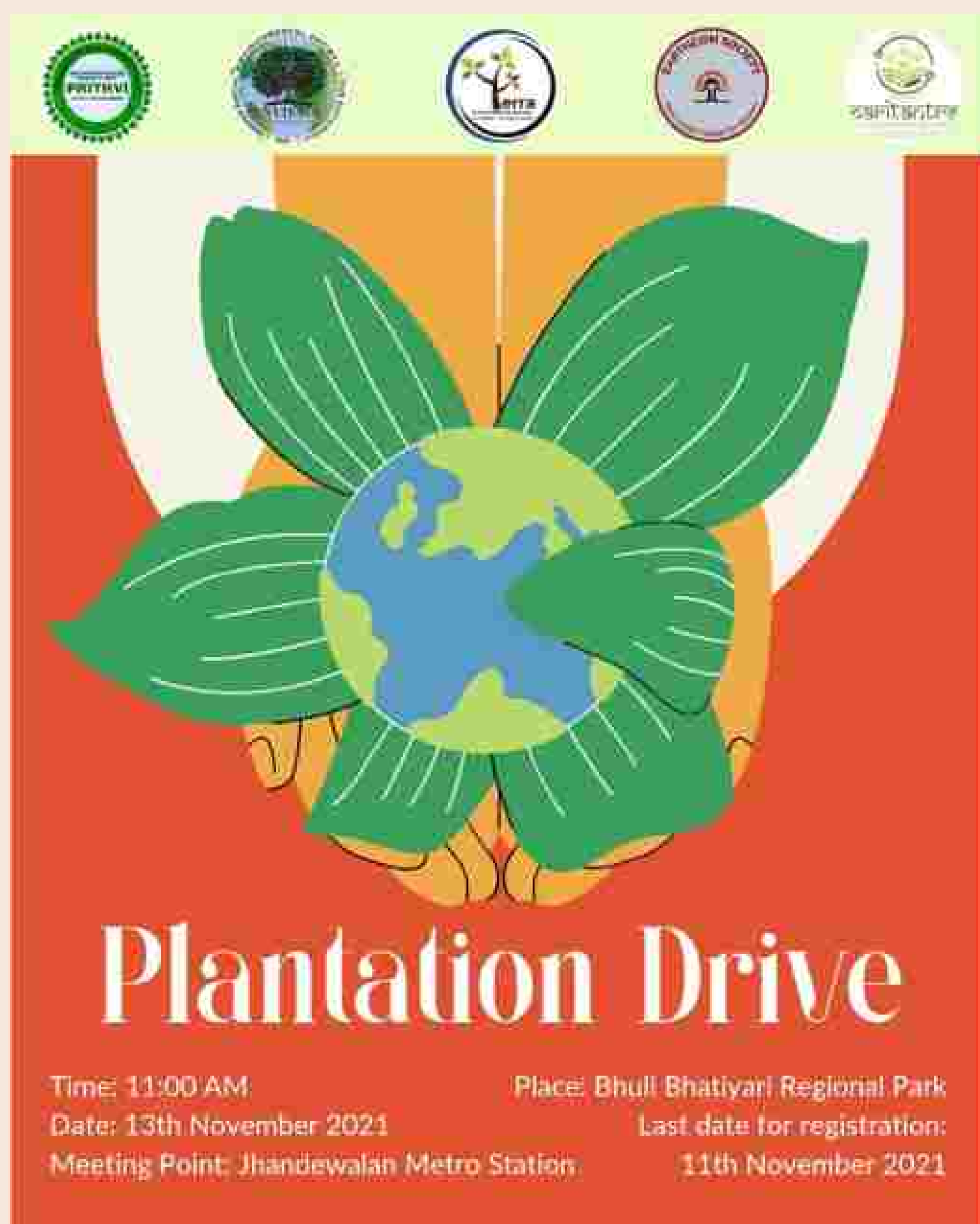
CAMPAIGNS

2021-22

PLANTATION DRIVE

November 13, 2021

📍 Bhuli Bhatiyari Regional Park



Earthcon, the Environment Society of Mata Sundri College for Women in collaboration with Terra from Ambedkar University, Envisage from SGND Khalsa College, Prithvi from Sri Aurobindo College and Paritantra from Acharya Narendra Dev College organized a 'PLANTATION DRIVE' on November 13, 2021 at 11:00 am.

The main objective of this drive was to bring back the greenery to our city with a vision to make Delhi the greenest capital and to also restore the local ecology by nurturing the native species.

The student fraternities from all the colleges as well as other interested individuals were invited for the event. The students were asked to assemble at 'Gate No. 4 exit of the Jhandewalan Metro Station'. From there, we went to the venue which was the 'The Bhuli Bhatiyari Regional Park.' Students, with help of the workers of the Regional Park, planted all the plants. The students enjoyed along with taking their first step towards saving the Environment.



Outcome – *The plants we planted will now contribute to our environment over long period of time by providing oxygen, improving air quality, climate amelioration, conserving water and preserving soil. They will also help in reducing our carbon footprint.*

WORLD ENVIRONMENT DAY CAMPAIGN

May 30- June 5, 2021

The Earthcon Society, Department of Environmental Studies, Mata Sundri College for Women on the occasion of World Environment Day started an online campaign. The 7 days online campaign was organized to raise awareness and increase sensitivity towards nature.

The campaign was organized on Instagram during 30th May, 2021 - 5th June, 2021. The themes covered under this campaign were energy conservation, waste management, community engagement, plantation, promotion of eco-friendly products and reducing carbon footprint. We hope the initiative of ours inspired others to act to bring about a significant change.





Day 1: May 30, 2021
#SwitchSunday



Day 2: May 31, 2021
#MeatlessMonday



Day 3: June 1, 2021
#Un-TrashTuesday



Day 4: June 2, 2021
#WeWednesday



Day 5: June 3, 2021
#TactfulThursday



Day 6: June 4, 2021
#FriendlyFriday

‘AZADI KA AMRIT MAHOTSAV’ AT YAMUNA BIODIVERSITY PARK JAGRUKTA ABHIYAN

(February 26, 2021)



Students and faculty members attended DDA's event at Yamuna Biodiversity Park "Jagrukta Abhiyan" to raise awareness about the environment conservation and restoration.

An Introductory talk was delivered by Dr. Faiyaz A. Khudsar (Scientist In-Charge, Yamuna Biodiversity Park) on 'Role of Biodiversity Parks in climate resilience to Urban Ecosystems' followed by a trail to the visitor area, including the Conservatory for Medicinal Plants.

Students learnt about the ecosystem restoration and gained knowledge on how trees behave and ways to identify different birds and different trees. Yamuna Biodiversity Park is a solution for many problems. Students also interacted with the Scientists of Yamuna Biodiversity Park at Nature Interpretation Centre (NIC).



Delhi, Delhi, India
K-22, Bagliabad, Wazirabad, Delhi, 110084, India
Lat 28.732462°
Long 77.218488°
26/02/22 12:15 PM



Delhi, Delhi, India
K-22, Bagliabad, Wazirabad, Delhi, 110084, India
Lat 28.732462°
Long 77.218488°
26/02/22 12:15 PM



Delhi, Delhi, India
Yamuna Biodiversity Park, Phase 1, Sangam Vihar Rd, Bagliabad,
Wazirabad, Delhi, 110084, India
Lat 28.732462°
Long 77.218488°
26/02/22 12:24 AM

SUSTAINABLE DIWALI FEST

(November 4-7, 2021)

'Inter College Sustainable Diwali Fest' which was organized from November 4th to November 7th, 2021.

The main objective of the fest was to encourage the use of Eco-Friendly items.

Sustainable Diwali Fest was a 4-day event, with a different competition for each day.

Event 1 – Decor Making Competition.

Event 2 – Eco Rangoli Making Competition.

Event 3 – Poster Making Competition.

Event 4 – IG Reel Making Competition.

One best entry received a trophy and a certificate of appreciation. The top performers received certificates and the top 3 entries were featured on our social media pages.



EARTHCON SOCIETY
DEPARTMENT OF ENVIRONMENTAL STUDIES
MATA SUNDRI COLLEGE FOR WOMEN
(UNIVERSITY OF DELHI)
Presents

**Inter-College
SUSTAINABLE
Diwali
FEST**

From 4th to 7th November, 2021
Entry Deadline 7th November, 2021
We cordially invite you to participate in our events

Event 1 Decor Making Competition	Event 3 Poster-Making Competition
Event 2 Eco-Rangoli Making Competition	Event 4 IG Reel Making Competition

One best entry will receive Trophy and certificate of appreciation.
The top 10 performers will receive certificates.
The top 3 entries will be featured on our social media pages.

Dr. Uzma Nadeem (Convener) Dr. Kamlesh Kaur (Coordinator, EVS Dept.) Prof. Harpreet Kaur (Principal)



PROJECT RECYCLE

(May - September 2021)

PROJECT BACKGROUND

Earthcon Society, Department of Environmental Studies, started this project in May 2021.

In this project, the team collected and handed over all the waste to SwapEco (an IIT-D startup) for recycling.

THE MISSION

To collect the maximum amount of waste (e-waste/plastic waste/paper waste/cardboard waste) for recycling. The aim of the project was to spread awareness of waste management and recycling.

SWAPECO THE ONLINE KABADIWALA

An IIT - D initiative to collect household waste from door to door for recycling. They collect all types of waste like paper, metals, plastics, appliances etc. by trained & verified pickup executives.

WHY TO RECYCLE?

Benefits of Recycling:

- *Reduces the amount of waste sent to landfills and incinerators.*
- *Conserves natural resources such as timber, water, and minerals.*
- *Increases economic security by tapping a domestic source of materials.*
- *Prevents pollution by reducing the need to collect new raw materials.*
- *Saves energy.*

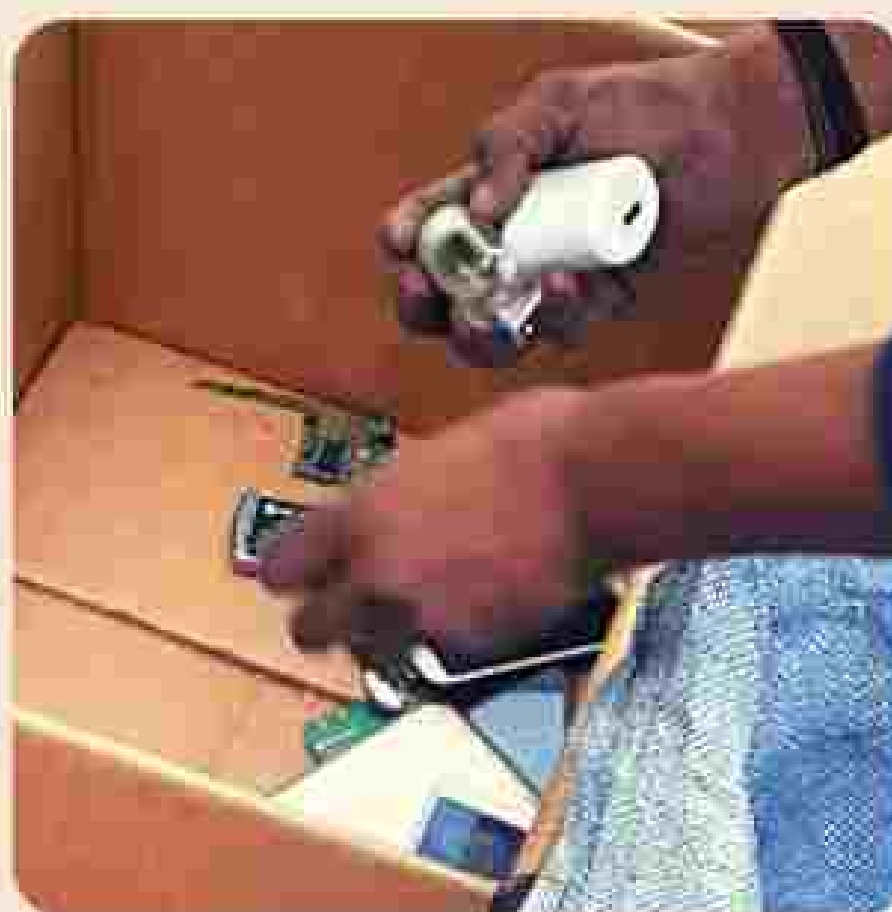
PROJECT OUTCOME

Earthcon Society, started this project to promote the recycling of the waste generated at college. Under this project, the team collected and handed over all the waste to SwapEco (an IIT-D startup) for recycling. The mission was to collect the maximum amount of waste (e-waste/plastic waste/paper waste/cardboard waste) for recycling. The aim of the project was to spread the awareness of waste management and recycling.

In Phase-I (May 10, 2021 to September 22, 2021)- due to pandemic, the waste collection was done by the members at their home. The members of the Society collected about 20.5 kgs of waste.

In Phase-II (October 20, 2021 to November 20, 2021) - five different categories wastes (Electronic Waste, Plastic Waste, Paper Waste, Metal Waste and Batteries) were collected at the college campus. The total amount of the waste collected was 149.585 kgs + 7 phones.





PROJECT TEAM

Dr. Kamlesh Kaur
(Course Coordinator)

Dr. Uzma Nadeem
(Convenor)

Dr. Prabhat Kashyap
(Teacher Coordinator)

STUDENT COORDINATORS

Harpuneet Kaur Ekisha Mehrotra

Sanya Gupta Zoya Arshad

Nitpreet Kaur Jasjyot Kaur

Shipra Jigyasa Singh

Preet Kaur

Tide Turners Plastic Challenge



November 30, 2020 – April 30, 2021

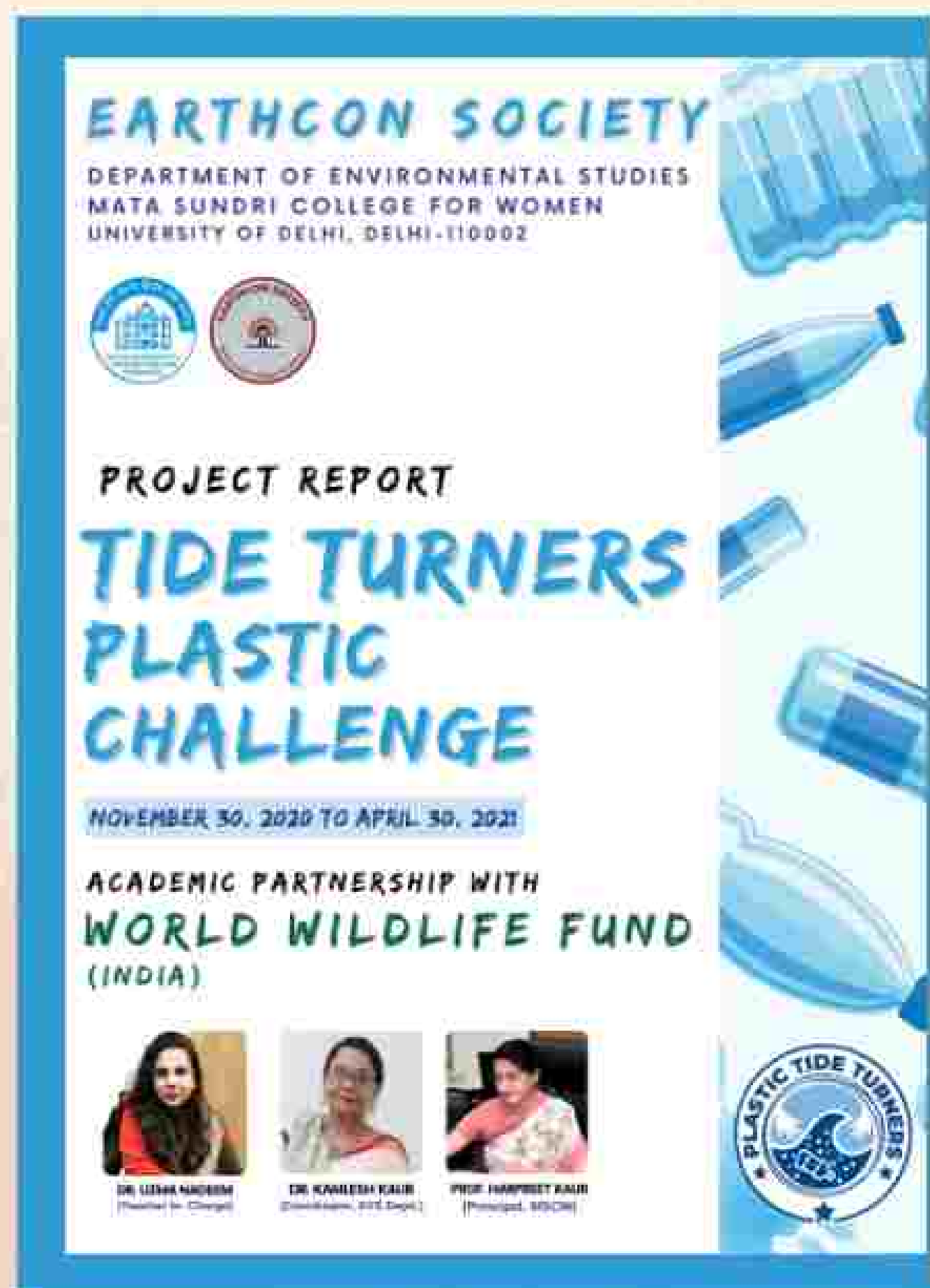
THE TIDE TURNERS PLASTIC CHALLENGE was an initiative of United Nations Environment Program with Center for Environment Education and World Wildlife Fund-India as implementing partners, to involve the youth in India to take action and inspire their community to address the issue of Plastic in the COVID times. To adapt to the COVID-19 pandemic, the campaign evolved as a complete digital one, continuing to attract a large number of youth in participating in the campaign.

The Tide Turners Plastic Challenge was a global youth movement to fight plastic pollution around the world. It was designed to inspire young adults to reflect upon their plastic consumption, discover solutions to reduce this consumption, and lead change in their homes, communities, institutions and offices. The challenge involved completing three levels. The entry level builds knowledge about the cause in the young leaders. The leader level supports young leaders into taking action for environmental causes and steers them towards advocacy in small groups.

PROJECT TEAM Dr. Uzma Nadeem (Teacher In-charge)

STUDENT TEAM

Harpuneet Kaur	Jigyasa Singh
Ekisha Mehrotra	Pratigya Singh
Jasjyot Kaur	Preet Kaur
Sanya Gupta	Pakiza Shekh
Zoya Arshad	Muskan Hashim
Shipra	



Earthcon Society, Department of Environmental Studies, Mata Sundri College for Women worked with WWF-India for Tide Turners' Plastic challenge as an Academic Partner. This project was started by Earthcon on 30th November 2020. We brought registrations to the Tide Turner Plastic Challenge partnering with WWF-India in order to make people aware about the Plastic Pollution in India. The deadline of the project was 30th April 2021.

Participants received Certificate upon completion of the Challenge.



PROJECT OUTCOME

As we managed to bring more than 1200 registrations for the Tide Turner Plastic Challenge, Earthcon Society received recognition in the National Youth Summit '21 held on 15th July 2021 by WWF-India as their Academic Partner.

<https://www.youtube.com/watch?v=RRFMWYPRH5E>



THE SDGs LINKED TO PLASTIC POLLUTION

The Sustainable Development Goals (SDGs) are a set of 17 goals that the international community identified as our world's most pressing issues, which we need to address by 2030 to make a more sustainable future for everyone.



It's not a secret for us humans, address the SDGs are we target a brighter future for everyone.

As you know, these goals encourage which threaten human health, women, problems, we climate change, feeding, and disease, and more, but global economy, better, with year, Covid-19, then, that the people who engaged, the SDGs included a whole bunch of goals that are directly linked to plastic.

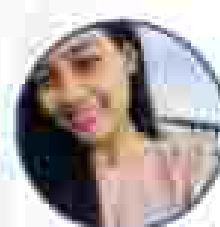
With everything we're doing up and going on with all the SDGs, there's a lot of focus on the future (that we're all do something about plastic pollution and other global problems together).

Content source : <https://tide-turner.org>

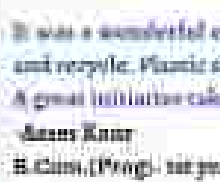


CHAMPIONS FEEDBACKS

A HEARTFELT THANKS TO ALL THE CHAMPIONS FOR MAKING THE TIDE TURNERS PLASTIC CHALLENGE A SUCCESS!



It was a great experience participating in such wonderful event. There is really need in such times when resources are exhausting to quickly to save them for future generation.
-Terika Jain
B.Com.(Prog)- 1st year



It was a wonderful experience to perform in this event. Really, there is a great need to reduce, reuse and recycle. Plastic should be banned. Only then, all creature will be able to live happily. A great initiative taken by WWF, India and Earthcon Society.
-Aarti Khar
B.Com.(Prog)- 1st year



Tide Turner challenge is a step to decrease the plastic pollution in the world and keep environment safe, as a youth I appreciate the effort of organisations to create awareness about pollution in this crucial period and connecting many members through this and spreading awareness this challenge is very beneficial for an individual as well as for the whole community. I am glad that I participated in this event and get to know many information about our environment.
-Aditi Nallas
B.Sc.(Hons) Mathematics- 1st year



It provided me a great knowledge and more awareness related to plastic and disadvantage of using it. A great initiative taken by WWF-India and Earthcon Society of Department of Environmental Studies, Mata Sundri College for Women.
-Sakshi Khandel
B.Sc.(Hons) Mathematics- 1st year



It was a long process, but I learnt a lot. So informative that it opened me to being about a change and to save environment in small to ways I could.
-Anura Mahra
B.Sc.(Hons) Mathematics- 1st year

ARTIST'S CORNER

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GOING ENVIRONMENT-FRIENDLY

Shweta Duseja

Assistant Professor

Department of English, Mata Sundri College for Women, University of Delhi

A healthy environment would lead to a healthy us. But, it can't become healthy just with the efforts of a few. If each one of us puts in even the tiniest of efforts, we can all make a huge difference. Believe it or not, we all want our environment to be clean and safe. But, most of the time, we lack the determination to do so because of the effort involved. So, here is a practical guide for us to go environment-friendly without much effort. The key to doing the same lies in small efforts made consistently.

- *Begin with one thing at a time and continue the same until it becomes a habit for you and your family.*
- *Once the habit is formed, start with the next thing. The reason for the same being that when we do everything at the same time, it could be overwhelming for us as well as those around us. Hence, with much discussion around the change we want to bring, when we involve our friends, families, and neighbors, it leads to less resistance and the possibility is that the change is a practice that would last forever.*
- *Read one article a week about the environment and research on what you can do to help the environment. You could start small at home or you can initiate nature/environment campaigns online/offline.*

Here is a list of things you can do to save the environment. I am sure you are already familiar with most. Nonetheless, these could act as a guideline of sorts:



Begin with things that you use personally.

- Switching to eco-friendly menstruation products like menstruation cups, period panties, and biodegradable sanitary pads. Not all of these products would work well for all women. Some might work for some and some won't. Keep trying options that suit you though.
- Cloth diapering in place of disposable diapers. Disposable diapers add to a lot of waste and harm the environment way beyond what we can imagine. This one change will mean immense healing for the environment. So, mummies/future mummies, this is one thing you should swear to practice.
- Practising minimalism in styling clothes. Buy clothes that are sustainable. Whenever you pick up a cloth, think of at least three ways you could style it. If you are able to think of different ways that you are able to use it, go for it. Before buying, shop the look from your own wardrobe.

Once you have established environment-friendly ways for yourself, it's time to switch things at home, not without discussion though.

- Change the cleaners (floor cleaner, detergents, dishwash) used at home. There are several brands that make bio-cleaners. These are a little expensive compared to the ones we use at home. There are videos of making the bio-cleaners at home as well. You could try making these yourself and become pennywise. Start with one thing at a time for everyone to get used to the idea and then keep switching to better options.
- Change the way you wrap your food: Eliminate the use of aluminum foil and cling wrap from the kitchen. You could use a cotton cloth or handkerchief to wrap the food or you can use paper wraps which are now easily available.
- Get rid of plastic as much as possible: Try not to buy more plastic and get rid of plastic from your home.

Another thing you could practice is gifting responsibly.

- For kids, buy wooden and open-ended toys instead of battery-operated plastic toys.
- For adults, buy environment-friendly products or healthy snacks.
- Gifts can be wrapped in brown paper or newspaper in place of those shiny plastic gift wraps.

Be easy on yourself and begin today. Small steps will take you much farther than planning big steps.

WETLANDS ACTION FOR PEOPLE AND PLANET

Nikita Jain

B.A.(P) - 3rd year

It is rightly said that the environment is nobody's property to destroy but everybody's responsibility to protect. Not just for us, but for our future generations, ofcourse. Wetlands action for people and the planet ensures that the wetlands are conserved and sustainably used. It's a step in the right direction for this same cause.

It aims at protecting the most important wetland systems in the world sustainably for future generations.

Wetlands are productive ecosystems, where terrestrial and aquatic habitats meet. They play a very important role in maintaining many natural cycles and also supporting a whole wide range of biodiversity.

Wetlands purify and replenish our water. This is why they are also called the 'kidneys' of our planet. They also provide fish and rice which feed billions of people.

Besides all of this, wetlands provide opportunities for recreation and aesthetic appreciation.

These are all the more reasons why various steps like are:-

-UNESCO Man and Biosphere Programme

-Ramsar Convention on Wetlands

A joint World Heritage and Ramsar report gives the significance for this year's theme called 'People and Nature'.

This theme focuses on cooperation for the protection of nature and culture.

In India, Wetlands covers nearly 4.7 percent of land area, covering 15.26 million hectares, and 47 sites have been designated as 'Wetlands of International Importance', also known as 'Ramsar Sites.'

Wetlands provide numerous ecological goods and services, but they are under tremendous stress as a result of rapid urbanization, industrialization, and agricultural intensification, as evidenced by a reduction in their area and a decline in the hydrological, economic, and ecological functions they perform.



ENVIRONMENTAL LAWS IN INDIA

Challenges & Complexities for Sustainable Development

Avleen Kaur
B.A.(H) English - 3rd year

Environmental laws came into action when the need for protection and conservation of environment and other natural resources arises. In order to develop humans, the most intelligent creatures of the planet are overexploiting the natural resources. Nature is trying to explain the importance of balance in life but humans have blind folded themselves and are only engrossed in development. The disturbance in nature caused by anthropogenic activities forced nature to demonstrate its power in the form of natural calamities, disasters etc. population growth and increasing standards of living also resulted in the change in the physical environmental conditions. Earth has encountered a lot because of human interference and overexploitation in the ecosystem services by increasing greenhouse gasses which upshots global warming, air and water pollution, hazardous waste generation, depletion of resources, extinction of biological diversity, climate change etc.

The environment consists of various other species to carry on its life cycle. Man, by means of his activities threatens not only his own, but also the ecosystem and inclusiveness of organisms living in the particular habitat. We are getting benefits from the ecosystem services provided by the environment and have forgotten that our survival depends on the healthy functioning of the ecosystem. Environmental laws act as the greater protective force that curb these harmful actions and stop man from drawing his doom's day closer. Environmental laws in an umbrella term that covers waste management, air pollution, water pollution, depletion of resources, global warming and many more. Its main objective is to improve the environment and environment conditions by promoting sustainable lifestyle and encouraging communities to utilize the ecosystem services in a judicious manner. Laws are made to safeguard the interests of nature, which include forests, mountains, lakes, rivers, and animals.

Over the years, a lot of damage has been done to the Earth which has resulted in various forms of pollution. These are environment, air, land, water and noise pollution. Even though the damage which has been caused cannot be undone, we can prevent more damage from occurring and give the Earth time to heal itself. Tracing the actions of man it can be deduced that we just cannot find our way to a more sustainable world. It comes with the realization that the earth is ours and we need to protect it. It was because of a lack or low level of understanding that environmental laws were formulated and implemented. There are six main laws that have been made. These are “Forest Conservation Act, 1980”, “Environment Protection Act, 1986”, “Wildlife Protection Act, 1972”, “Water Prevention Control of Pollution Act, 1974”, “Air Prevention Control of Pollution Act, 1981”, and “Indian Forest Act, 1981”.

Despite these laws which are in existence, environmental depletion continues to occur. The reason for this is the lack of implementation of laws. While these laws have been made by the legislation, they are not being implemented on the ground level.

As responsible citizens, it is our duty to ensure that we, on our part, follow these laws and do not breach them. While the environmental graph seems to be faring better than before, it is not enough to recover and reverse the damage that man has done to the environment. The COVID-19 pandemic has taught us how human actions can cause tremendous damage because of which Nature has to overthrow him and establish her own supremacy. During the lockdown, when humans were forced under lockdown, Nature underwent a self-healing and rejuvenation process. The question that we should be asking ourselves is why do we need rules and restrictions? Why can we not live in peace and harmony with other species? The Earth belongs to all of us, and it is us who need it, not the other way around.



VATAVARAN

SAMIKSHA GOYAL

B.A.(H) Political Science- 1st year

Nature is the most valuable gift that we have received from God. Nature provides beauty all around. It makes our surroundings attractive and worthy to live in. It is impossible and out of the question to think of surviving without the environment. The environment does not just proffer us with oxygen, it also provides us with the food we eat and the water we drink. If something goes amiss in the environment, we face the impact of it. This is because we are deeply bridged with it. Today, the environment is not how it used to be in the beginning.

Humans have hastened the process of urbanization so much that it has led to noxious effects on the environment. The deterioration of the environment through the depletion of resources has become common. Our actions have begun showing dire outcomes on Mother Nature. Not just plants but rats, earthworms, corals, bats, rhinos, and even whales are in danger today. These are the organisms that keep on refurbishing our environment.

Every day, we buy excess items which cause more and more waste. Almost everything comes in plastic and unfortunately, so much of plastic is non-recyclable. We waste paper by making planes out of it. We utilize so much water everyday without giving a thought about how we can save at least a little. We never delete our useless mails which take up place in huge servers and indirectly pollute the environment. We do not buy electric cars, thinking that they are way too expensive, but on the other hand, we are ready to append the

hiked price of petrol every single day. There are many things that are slowly degrading the environment but through the efforts of some people, there is still a hope to restore.

Many governments in the world have started taking draconian steps to save the environment but still in many places, people just dawdle around littering public places. We have pillaged the environment so much that it is time to return the book.

We can start by taking baby steps. We all must delete our useless emails and ensure it does not stay in the trash bin. We can also start collecting our plastic waste, washing it properly and storing it in a bottle. This will make an eco brick. The reason for washing the wrapper is so that it does not produce methane gas. We should use airters to minimize water wastage. It reduces the wastage of water by a whopping 90%. Women should start using menstrual cups and limit the pads. This is because the pads, after being used, eventually pile up in the landfills and increase in size.

Although the pandemic has been harsh on people, Mother Earth has had relief in the form of lesser cars, lesser pollution. People consuming lesser meat, lesser pollution. It is us who have to ensure that our environment is protected. Even though the forest cover increased from 23.5% to 25%, we shouldn't stop there. Our ultimate goal is 40% forest cover and a healthy and happy environment. We must not forget Mahatma Gandhi's words.

E-WASTE MANAGEMENT AND CIRCULAR ECONOMY

TANISHA THAKUR

B.A.(H.) Political Science- 1st year

“ONLY ONE EARTH” is the campaign slogan for WORLD ENVIRONMENT DAY 2022 focused on “LIVING SUSTAINABLY IN HARMONY WITH NATURE”. There is a circularity in this year’s world environment day as 50 years ago the theme of the Stockholm conference (first international meeting on environment) was exactly the same “ONLY ONE EARTH”. The message is as important as it was then. The slogan does emphasize that planet earth is still the only livable planet we have and to push for transformative actions to reset the balance between people and the natural world to create a better future for all. So, the first step is managing the amount of E-waste our country generates. E -waste or electronic waste is a term used to describe old, end-of-life or discarded electronic appliances. E-waste is one of the fastest growing waste streams worldwide. India is the world’s third biggest contributor- with 3.2 million tonnes of electronic waste generated a year, after China and US. More than 95% of India’s e-waste is illegally recycled by informal waste pickers called Kabadiwalas. These workers operate independently, outside of any formal organization which makes enforcing e- waste regulations difficult-to-impossible.

Recyclers often rely on rudimentary techniques that can release toxic pollutants into the surrounding area. Today, we are a part of new work culture where virtual is the new norm. As the demand for electronic equipment increases, so does the amount of E-waste generated. Experts predict that E-waste gets buried deep under the ground in landfills for centuries as it is non-biodegradable. It contains substances that are hazardous to human health. It can pollute water sources and food supply chains. so, the need of the hour is a developmental model that leads to the optimum utilization of resources. With the growing population, rapid urbanization, climate change and environmental pollution, India must move towards a circular economy.

A circular economy is an industrial system, which is an alternative to highly extractive and resource intensive linear economy principle of take-make-dispose. It includes 3 R’s(Reduce, Reuse, Recycle), Refurbishment, Recover, and repairing of materials.

Circular economy aims at- Retaining value of resources, materials and products at their highest by keeping them in use as long as possible;

Minimizing wastage at each stage;
Extracting the maximum value through reusing, repairing, remanufacturing and regenerating products and materials at the end of each service value. There are lots of opportunities of circular economy. Firstly, the movement towards a circular and resource efficient design has the scope of business savings for businesses. There is a lot of economic value in e-waste, particularly from such materials like gold, silver, copper, platinum and palladium, among others. For example- there is 100 times more gold in one ton of mobile phones than in a ton of ore from which gold is extracted. Secondly, the rate of extraction of abiotic resources for electronics and electrical equipment (EEE) manufacturing is significantly higher than the rate of their formation in nature. So, in order to fulfill the resource needs for the country, circular economy is important. Another thing is that although repair and recycling activities are already undertaken in India, a circular economy action plan and associated measures towards supporting these activities has the potential to create more jobs. But there are some challenges in its implementation. India lacks strong waste management infrastructure. thus, improving waste management and recycling systems could make a big difference.

There is a need for better recycling technology that can maintain quality so that the product manufacturers are willing to use recycled wastes. Also, financing the infrastructure to ensure e waste collection can be effective with mandatory EPR (Extended Producer Responsibility) in order to manage various categories of e-waste, including products that do not contain precious materials. E-waste that contains low-value but toxic components also need to be captured to avoid environmental pollution and exposures that damage human health.



THE QUEEN OF HILLS

Arushi Saran
B.A.(H) English - 3rd year

The strict deadlines and hour-long board meetings had afflicted a lot of burden lately. It felt like life was a vicious cycle of work and wealth, and man constantly juggled between the two. As I walked from the metro station back to my apartment, there were several thoughts in my mind. Once an adventure lover, my life had transformed to one that I had resented in my youth. "I will never do an office job", I had told my dad. But as my MBA scores escalated, so did my love for sales. I enjoyed my job, but it could get tedious at times. To think of it, now it felt as if it were just a compulsion. Upon reaching back, I heated and ate the leftover food in the fridge, took a shower and tried to sleep. But I could not. There was something in me that was questioning me. Was I happy with my life? Was I content despite having a six figure salary? It bothered me that I did not have the answer to these questions. I decided that it was time I found out. I switched on my laptop and searched the web for the best techniques for self-discovery. These included reading an inspirational book, meditating, having a deep conversation, writing a journal, and many more.

However, the one thing that caught my attention was taking a trip. I had an ardor for travelling in my early 20s, but now the shackles of professional life and job commitments tied me down. I felt a sense of longing deep within me. It has been gnawing at me to realise and succumb to my desires. However, I knew how difficult it was to get a leave sanctioned just before the peak sales period. But, sometimes you need to choose to listen to your heart over all rationality and logic. This determination found me on an Air India flight to Bagdogra two days later with a leave approval email notification on my phone. While browsing online, I found that Darjeeling was a place that had the power to seduce even the most stubborn minds and would make one not want to leave. My flight landed at Bagdogra which was about 70 kms from Darjeeling. I hired a private cab that would take me to my destination. As we began the uphill climb, I noticed a pair of railway tracks running along the side of the road. Upon enquiring from my driver, I discovered that these were toy train tracks.

As we climbed higher, the temperatures dropped lower and I was glad that I had packed my woolens.

The wide areas were covered with the greenery and aroma of tea plantations, peaks covered with snow, bright sunrise and sunset views and many others. As I checked into my hotel, I could not wait to go around and see all the famous places such as Bhutia Busty Monastery, Scottish Church, Japanese temple and Peace Pagoda. I stepped out after two hours. It was around 6 in the evening and the Oriental sky was dark. The petrichoral wind carried a certain chill in it. I took in a big greedy breath of air and felt content.

I stood staring at the outline of the hills for a really long time. The majestic hills and the lush greenery made me feel rejuvenated and forget all my problems. The blanket of thick dense clouds that surrounded the hills made the whole scenario picturesque. The next morning, I went to Tiger Hill. And this is where I discovered myself. I found the answer to my questions. As I sat on the snow clad peak after a two hour long hike, I sat pondering over my life. I asked myself, Am I happy?

My heart screamed yes. And in that moment, as I sat soaking and bathing in the first rays of dawn, I knew that these mountains were my calling. I knew that this was a conspiracy of the Universe to bring me so that I would realize that this is where I truly want to be. This little Victorian town was where I wanted to spend the rest of my life.

More than anything else, I knew that Man could conquer and establish a whole civilization, yet he would crave the essence of Nature once his hunger for power has been satisfied. After having spent years listening to the traffic each day, this place felt like heaven to me. These flowering trees, the hanging pinecones, these bent roads and the sprawling tea gardens, I knew I had found my escape on Earth. This is the place where I connected with nature and my real self which I have losted in the hustle and bustle of city life.

That was six years ago. I quit my job and opened up my cafe, The Buttered Bun two miles from the foothills of Tiger Hill. I feel blessed and happy in the lap of mother Nature and each day, I thank God for creating this beauty that we see around us.

LOSS OF BIODIVERSITY

Akanksha Panwar

B.A. (P) - 2nd year

Biodiversity plays an important role in the way ecosystems serve and in the numerous benefits they give us including nutrients and water cycling, soil conformation and retention, resistance against invasive species, pollination, regulation of climate, as well as pest and pollution control.

Biodiversity plays a pivotal part in mortal nutrition through its influence on world food products, as it ensures the sustainable productivity of soils and provides the inheritable coffers for all crops, beast, and marine species gathered for food.

There is a rising concern about the health consequences of biodiversity loss and change. Biodiversity loss can have significant direct mortal health impacts if ecosystem services are no longer acceptable to meet social requirements. Laterally, changes in ecosystem services affect livelihoods, income, original migration and, on occasion, may indeed beget political conflict.

Boosted and enhanced food products through irrigation, use of toxin, factory protection (fungicides) or the preface of crop kinds and cropping patterns affect biodiversity, and therefore impact global nutritive status and mortal health. Habitat simplification, species loss and species race frequently enhance communities' vulnerabilities as a function of environmental receptivity to ill health.

The main cause of the loss of biodiversity can be attributed to the influence of mortal beings on the world's ecosystem. In fact, human beings have deeply altered the terrain and have modified the home, exploiting the species directly. For illustration, fishing and stalking have changed the biogeochemical cycles and transferred species from one area to another.

ENVIRONMENTAL RACISM

Yashika Sharma

B.Com. (H) - 1st year

Environment is the term that we have been hearing and learning about since our childhood but still fail at its implementation. The environment does not only suffice till deforestation, pollution, flora and fauna, sustainable development but also obscure topics such as environmental racism. Generally, racism means discrimination, on the basis of colour, caste, religion, and ethnicity. It is when people of colour are not treated equally and called by derogatory names. We are aware that riots and protests were done in major cities of America. Although since a decade, a considerable amount of white people have also been fighting against racism of any kind.

Dr. Robert D. Bullard has rightly said "Environmental justice embraces the principle of equality that every citizen communities have a right to equal protection and equal enforcement of environmental laws and regulations." Who could imagine that racism could also be environmental? However, many of us are not aware of the term yet, let alone know which country it originated from or what it actually signifies.

The phrase 'Environmental Racism' was introduced by Dr Benjamin F. Chavis, former executive director of the United Church of Christ commission for racial justice. The term was developed in the United States through the environmental justice movement, which developed in the 1970s and 1980s. It refers to the environmental injustice faced by the minority or the coloured people by deliberately targeting these communities with a disproportionate number of hazards, including toxic waste facilities, garbage dumps, and other sources of environmental pollution.

In the case of India, it is racial discrimination in environmental decision-making and policymaking against the less privileged people, especially the tribal communities living on the outskirts and borderline of the country. These tribal indigenous communities are very less in number, mostly in the northeastern part of India that consists of; Assam, Sikkim, Manipur, Meghalaya, Mizoram, Arunachal Pradesh, Tripura, and Nagaland.

The people of colour and the tribal communities reside on the frontiers of the country which is also the place for many manu-

-facturing industries, coal mines, hydrogen plants, and dams which eventually leads to dump of waste, impure water, hazardous gases, and the disruption in the livelihood of those people. Even though it has a lot to do with poverty, nonetheless, these tribal communities are natives who have been there for ages and consider those small villages their motherland.

These north-eastern states happen to be the main hub of coal mining, tea gardens, rice production, numerous wildlife sanctuaries, and many more. However, these mineral-rich states/districts are the target of a higher level of poverty, lower growth rate, high level of mortality as well as morbidity.

Lately, coal mining has served as the biggest reason for environmental racism in the northeast part of India. The civilizations are to leave their villages so that the land be used for open cast mining or another large-scale development project.

For example, kendai village in the korba district of chattisgarh is a remote village surrounded by coal mines. This village has only 31 families, and its ground is fully hollowed. This village is not even blessed enough to have pure drinkable water. rather, it is full of ashes of coal and waste from those mines.

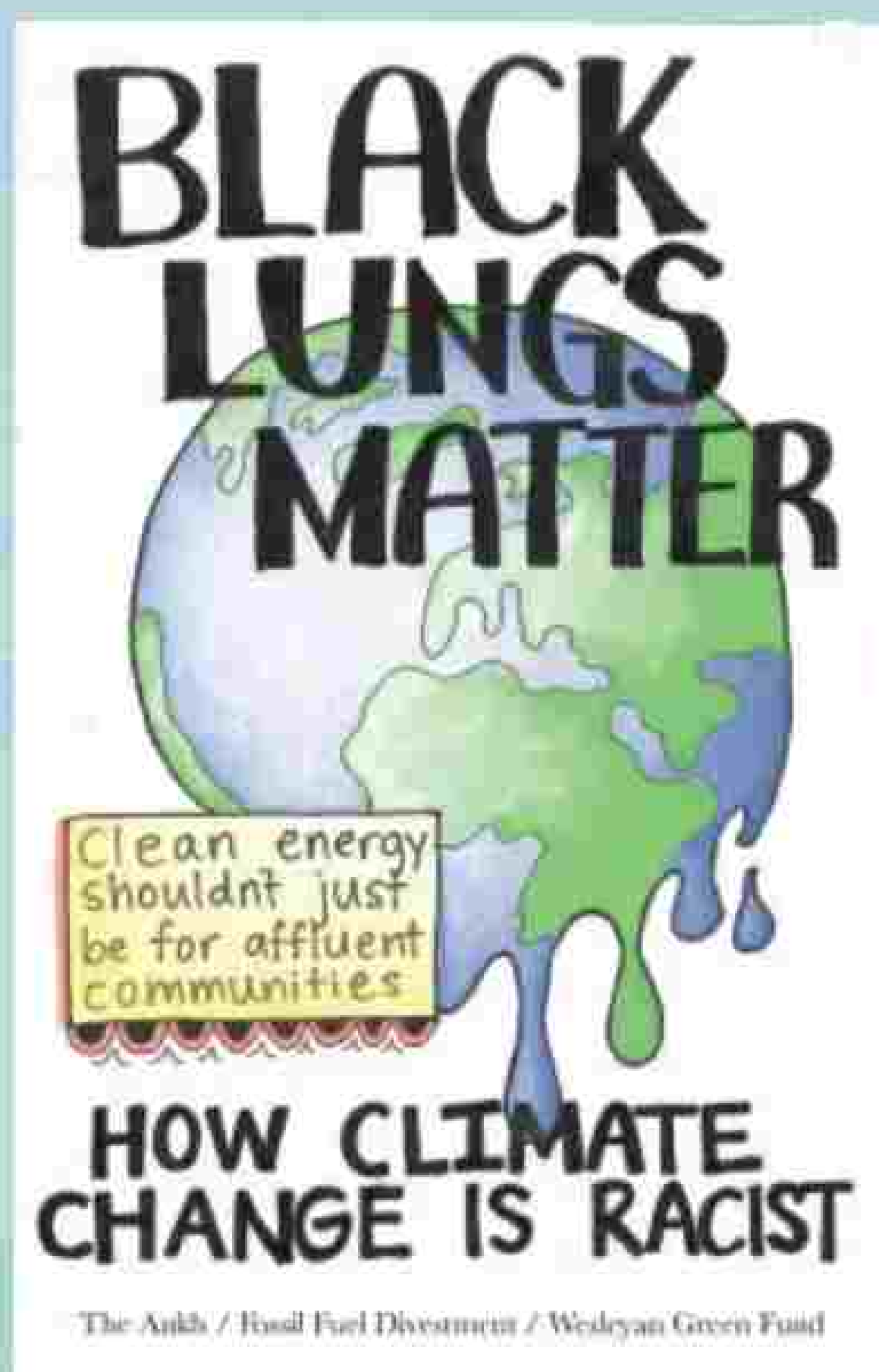
They filed numerous complaints, which got deliberately ignored. Later on, these families asked to leave their village without providing any rehabilitation in return.

The fact that coal is considered the cheapest source of energy, the same cheapest source that is being extracted, by displacing several families, by snatching their livelihood and loaf of bread. furthermore, the same energy they won't be able to use. ironic, isn't it?

With that being said, it is understandable that coal is the only cheap source- in monetary terms. Since we are not sustained enough to have gas to produce electricity like USA or UK, we have to produce energy through coal that plays a crucial role in development of India. Thus, the least the government can do is listen to these tribal families and provide them with the basic necessities. Even according to government estimates, 164,000 hectares of forest land have been lost to mining here since the 1950s. Since 1951, over 2.5 million people have been displaced by mines and less than a quarter were rehabilitated.

It isn't only about the people but also about the flora and fauna. A report suggests that about 10 percent of India's recorded wild flora and 20 percent of its mammals are on the threatened list. The forests for wild animals have become barren due to deforestation.

Some of the large expansion plans cleared by the government have created chaos and outrage among the people since they could damage the sensitive biodiversity zones in the worst way possible. The projects include open-cast mining along with deforestation in the Saleki proposed reserve forest, part of Dehing Patkai elephant reserve. The land was owned by a few tribal communities, which were displaced eventually, but some of them were compensated. Another project was when clearance was given for drilling and testing hydrocarbons by oil at seven locations under the Dibru Saikhowa national park area. that includes the Motapong wetland area considered crucial for migratory birds.



These were a couple of examples of environmental racism. The main cause of this is the inadequate and discriminative distribution of wealth and resources and separating people into groups. every coin has two sides, just like these projects. although they are important as well as inevitable. but what we can do is spread knowledge as much as possible about this so that the privileged section of society can contribute to help these families and communities along with the government.

शीर्षक:-भारत की नदियों की सफाई में सामूहिक भागीदारी

डॉ पंकज कुमार (नागपुर वेटरनरी कॉलेज)

मनुष्य जाति के उद्गम और विकास में नदियों का महत्वपूर्ण स्थान रहा है। विश्व की प्राचीनतम सभ्यताओं में से एक सिंधु घाटी सभ्यता का विकास सिंधु नदी के किनारे हुआ, जिसके हड़प्पा, मोहनजोदड़ो प्रमुख केंद्र थे। वही दूसरी ओर विश्व के प्राचीनतम शहरों में से एक बनारस का विकास गंगा नदी के किनारे हुआ है। भारत की सभ्यता और संस्कृति में नदियों को मां के समान माना जाता है और इनकी पूजा की जाती है। आज के परिपेक्ष में अगर बात की जाए, तो गंगा नदी और उसकी सहायक नदियां तकरीबन 42% भारतीय जनसंख्या को आधार प्रदान करती है। **लेकिन आधुनिकरण के इस दौर में चोट भी सबसे पहले नदियों को ही मिली है।** जहां एक तरफ हरित क्रांति ने भारत को खाद्य संपन्न बनाया है वहीं दूसरी ओर खेती में इस्तेमाल होने वाले रासायनिक उर्वरक खेतों से होते हुए नदियों में जा मिलते हैं जो नदी के पारिस्थितिक तंत्र को बिगाड़ रहे हैं। नदी के किनारे बढ़ती इंसानी आबादी और कल कारखाने नदी का दम घोट रहे हैं, जिसका जीता जागता उदाहरण दिल्ली से बहने वाली यमुना नदी में उत्पन्न जहरीले सफेद झाग हैं।

अतः हमें एक समाज और राष्ट्र के उज्ज्वल भविष्य के लिए नदियों की सफाई में सामूहिक भागीदारी दर्शानी होगी। समाज के विभिन्न घटक जैसे सरकार, स्वयंसेवी संस्थान और स्थानीय लोगों को मिलकर काम करना होगा। उदाहरण के तौर पर **मेघालय की उमंगोट नदी**, जिसे खासी समुदाय के लोग अपने सामूहिक दायित्व का निर्वहन करते हुए स्वच्छ रखते हैं, जिसके परिणाम स्वरूप भारत के **जल शक्ति मंत्रालय** ने इसे **भारत की सबसे स्वच्छ नदी माना है।** सामूहिक भागीदारी और अपने स्वयं सेवी संगठन 'तरुण भारत संघ' की मदद से भारत के 'जल पुरुष' **डॉक्टर राजेंद्र सिंह** ने राजस्थान के अलवर जिले में सूख चुकी **अरवरी नदी** को पुनः बारहमासी बहने वाली नदी के रूप में जीवित कर दिया। नदी के सांस्कृतिक, आध्यात्मिक और आर्थिक पहलू को समझते हुए 2014 में भारत सरकार ने 'नमामि गंगे' अभियान की शुरुआत की, जिसके बजट में 100% केंद्रीय हिस्सेदारी थी।

सामूहिक भागीदारी के तौर पर हमें **रिड्यूस (कमी), रि-यूज (पुनः उपयोग) और रि-साइकल (पुनरावृत्ति)** की पद्धति को अपनाना होगा। जहां एक ओर घरों से निकलने वाले कचरे का सही तरीके से प्रबंधन करना चाहिए, वहीं दूसरी ओर नदियों में गिरने वाले गंदे पानी को सीवेज ट्रीटमेंट प्लांट अर्थात मल-जल उपचार संयंत्र से शुद्ध करके नदी में छोड़ा जा सकता है। सरकार के द्वारा सिंगल यूज प्लास्टिक के ऊपर पाबंदी लगाने पर एक नागरिक के तौर पर हमें सहयोग करना चाहिए। इस तरह के अनेक उपायों से हम नदी के पारिस्थितिक तंत्र को मजबूत करने में सहयोग देंगे। और भारत जैसे एक कृषि प्रधान देश में नदियों की संपन्नता से हम एक आर्थिक संपन्न राष्ट्र बनाने में सहयोग प्रदान कर सकेंगे।

आओ मिलकर करें एक संकल्प।

करें अपनी नदियों को स्वच्छ

और मिलकर बनाए भारत को आर्थिक संपन्न।

विश्व गुरु भारत की हो यह पहचान

जल, जंगल, जमीन की रक्षक हो नदियां

जो बने आधुनिक भारत की पहचान।

प्रकृति संरक्षण

भारती धनिक (माता सुंदरी कॉलेज)

प्रकृति का संरक्षण प्राकृतिक संसाधनों के संरक्षण से संबंधित है। इनमें मुख्यतः पानी, धूप, वातावरण, खनिज, भूमि, वनस्पति और जानवर शामिल हैं। इन संसाधनों में कुछ संसाधन का अधिक उपयोग हो रहा है जिस कारण वह तेज गति से कम हो रहे हैं। हमें प्रकृति के संरक्षण के महत्व को समझना चाहिए तथा परिस्थितिक संतुलन सुनिश्चित करने के लिए ठोस कदम उठाने चाहिए। प्रकृति का संरक्षण किसी भी मानवीय हस्तक्षेप के बिना स्वाभाविक रूप से बनने वाले संसाधनों का संरक्षण दर्शाता है। प्रकृति हमें पानी, भूमि, सूर्य का प्रकाश और पेड़-पौधे प्रदान करके हमारी बुनियादी आवश्यकताओं को पूरा करती है इन संसाधनों का उपयोग विभिन्न चीजों के निर्माण के लिए किया जा सकता है जो निश्चित की ही मनुष्य के जीवन को अधिक सुविधाजनक बनाते हैं। दुर्भाग्य से मनुष्य इन संसाधनों का उपयोग करने के बजाय नई चीजों का आविष्कार करने में इतना तल्लीन हो गया है कि उसने उन्हें संरक्षित करने के महत्व को लगभग भुला दिया है। फलस्वरूप, इन संसाधनों में से कई तेज गति से काम हो रहे हैं। और यदि इसी तरह से ऐसा जारी रहा तो मांगों के साथ-साथ पृथ्वी पर रहने वाले अन्य जीवों का अस्तित्व मुश्किल में पड़ जाएगा। प्रकृति के संरक्षण से अभिप्राय जंगलों, भूमि, जल निकायों की सुरक्षा से है तथा प्राकृतिक संसाधनों का संरक्षण खनिजों, ईंधन, प्राकृतिक गैस हो जैसे संसाधनों की सुरक्षा से है जिसमें यह सुनिश्चित हो सके कि यह सब प्रचूर मात्रा मनुष्य के उपयोग के लिए उपलब्ध रहे। ऐसे कई तरीके हैं जिससे आम आदमी प्रकृति के संरक्षण में मदद कर सकता है।



Poems



LET UNREST BE AT REST

The weather's hot
The sun beams
It's light reflects
From the beautiful streams.

Such a great scene
A pair of squirrels in a tree
Finding and unwrapping
All those tiny nuts so effortlessly.

Time and again
A balmy breeze
Brings for all
Such a relief.

Mounted on the mighty branches
Of the trees, the larks sing
Adding to their lively surroundings
Some more cheer and bling.

My mind is relieved
To see the grass lush green
I shall cherish this while it lasts
Because everything is just so serene.

Just as the sun
Dives into the sea
Everyone makes a run
To go get some rest with their
"honey".

The sky now tends
To lose all its colour
It turns black even though it fights
To its last breath, with valour.

The night folds
Its arms around us
And calms us down
Nudging away all the fuss.

The stars come dancing
The moon shines bright
Staring at the unending sky
Takes away all of my fright.

The nightingales add
A few more tiny hopes
It no longer feels
Like I'm balancing myself on ropes.

Hours pass, so do days
Next are weeks and months
A composed and peaceful mind
Is what my heart no longer hunts.

Twirl with the wind
Explore its grace
It'll soothe u down
With a warm embrace.

Letting u rest
Taking, in its hands
Ur precious and delicate
Pearl like teary face.

-Ria Gulati
BA psychology Hons
(1st year)

THE EARTH IS LIKE A BEAUTIFUL BRIDE

The earth is like a beautiful bride
who needs no man made jewels to heighten her loveliness.
Just make it beautiful by your efforts
Don't throw garbage and don't make pollution..

God has cared for these trees,
and saved them from drought,
Do not cut them.
Be thankful to have them in our lives.

Harmony with land is like harmony with a friend,
I can find God in nature, in animals, in birds and the
environment
just feel it in silence.
We must return to nature,
Because it works at balance.

So it is our responsibility to give back to it
as we can take care of them by giving water or stop
cutting trees.

If we do not permit the earth to produce beauty and joy,
it will in the end not produce food, either.
Birds are indicators of the environment.
If they are in trouble,
we know we'll soon be in trouble.
We won't have a society if we destroy the environment.
So please save the environment for the next generation.

-Shivangi Sharma
BA Programme
(1st year)

पेड़-पौधे बहुत काम आते

मुस्कुराते हुये, सरसराते हुये, जी लुभाते
पेड़-पौधे बहुत काम आते
लाल मणियां ये पुखराज पीले
पन्ने, हीरे और नीलम ये नीले
जगमगाते हुये, टिमटिमाते हुये फूल भाते
पेड़-पौधे बहुत काम आते
आम जामुन ये हरियाले तरुवर
नीम पीपल, जटाधारी बरगद
कहते आओ ज़रा, चैन पाओ जरा यूँ
बुलाते
पेड़-पौधे बहुत काम आते
सेब खूबानी लीची मौसम्मी
आम अमरूद, केले नारंगी
फल कई रस से भरे, मीठे सूखे हरे हम हैं
खाते
पेड़ पौधे बहुत काम आते
तन से, बीजों से, पत्तों, जड़ों से
अपने फूलों से, अपने फलों से
कुछ खिलाते हुये, कुछ पिलाते हुये, वो
जिलाते
पेड़-पौधे बहुत काम आते
अपनी गहरी जड़ों से मृदा को
कस के पकड़े हुये है धरा को
मेघ भींचे हुये, नेह से सींचे हुये, बरस जाते
पेड़-पौधे बहुत काम आते
है बसेरे यहाँ चिड़ियों के
नीड़ कोयल, औ तोते, बयों के

चहचहाते हुये, किलकिलाते हुये गूँज
जाते
पेड़-पौधे बहुत काम आते
आदमी को जिलाने ये वाले
भूमि पर स्वर्ग लाने ये वाले
बेवजह कट गये, बेवजह लुट गये मार
खाते
पेड़ पौधे बहुत काम आते
कितने ऊंचे है फिर भी झुके है
आदमी के नमन को रुके है
गर्व करना नहीं, डींग मारना नहीं ये
सिखाते
पेड़-पौधे बहुत काम आते
आदमी होश में लौट आओ
जीना है गर तो हमको बचाओ
पेड़ मत काटना, पौधों को पालना रट
लगाते
पेड़-पौधे बहुत काम आते।

-लुभांशी
बीए प्रोग्राम
(2nd year)

भारत को स्वच्छ बनाना है

भारत को स्वच्छ बनाना है,
धरती को पेड़ों से सजाना है।
हम सब ने यह ठाना है सब को समझाना है,
कि पेड़ लगाना है।

हरा-भरा संसार बनाओ
जन्मदिवस पर पेड़ लगाओ
हरियाली से है खशुहाली
सुंदरता मन भरनेवाली।
प्रकृति का है हम से नाता,
क्योंकि वह भी है हमारी माता।

फूल-फल सब तुम पाओ,
इसलिए बस पेड़ लगाओ।
पर्यावरण है हम सबकी जान,
इसलिए करो इसका सम्मान।
चलो इस धरती को रहने योग्य बनाएं,
सभी मिलकर पेड़ लगाएं।

-शिवांगी शर्मा
बीए प्रोग्राम

“

Art for change

ART WORKS
&
POSTERS



"In this picture, we look at art with purpose and that too a noble one, that is "Save Environment". The threat of rising temperatures is going upward day by day, so it's our duty to plant more and more trees."

Harshita Jain
B.Com. (Hons.)- I Year



"Water is as precious as life. The greatest threat to water is the belief that someone else will save it. We should start protecting it ourselves. In the picture below, I have tried to explain life with and without water and some ways to protect water."

Shivangi
B.Com. (Hons.)- II Year

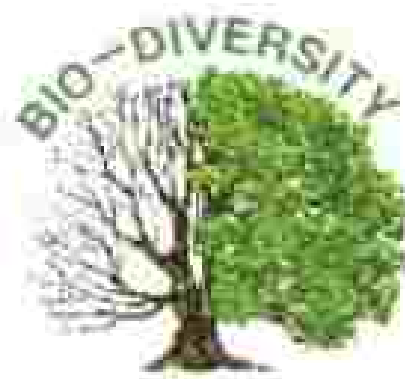


Achievements



HARIT UMANANG OLYMPIAD

*Panasonic, India
(2020-21)*



HAND IN HAND INDIA




To mark World Environment Day-2021, Panasonic India, a leading diversified technology company, culminated its Harit Umang Olympiad-a school/college awareness program and felicitated over 100 students across 26 schools/colleges.

Students took part in the Harit Umang Olympiad-Green Ambassadors 2020-21 and won the Second Prize in the “Selfie with Plant Contest”.

Mata Sundri College For Women

SELFIE WITH PLANT

#PanasonicHaritUmang

	<p>PRATIGYA SINGH PANWAR</p> <p>Tulsi is rich in Vitamin C and zinc. It thus acts as a natural immunity booster and keeps infections at bay. It has immense anti-bacterial, anti-viral and anti-fungal properties which protect us from a variety of infections. Some of its benefits are:</p> <ol style="list-style-type: none"> 1. Reduces Cold, Cough & Other Respiratory Disorders. 2. Reduces Stress & Blood Pressure. 3. Useful in Kidney stones & Gouty Arthritis.
	<p>AAKANKSHA PANWAR</p> <p>Curry leaves or kadi patta are popular in India because of its aroma and striking taste. Its benefits are:</p> <ol style="list-style-type: none"> 1. Curry leaves can help in dealing with digestive issues. 2. Curry leaves aid in weight loss and help to maintain cholesterol levels. 3. Curry leaves can be used for treating an upset stomach.
	<p>ANJALI TIWARI</p> <p>Jasmine Plant relaxes and relieves stress. These flowers are famous for their enchanting fragrance. Some of its benefits are:-</p> <ol style="list-style-type: none"> 1. Great for Skin. 2. Neutralizes and Purifies Air. 3. Has antiseptic properties. 4. Helps in Weight Loss.

Panasonic Harit Umang Olympiad- Green Ambassadors (2020-2021)



AWARDS & RECOGNITIONS

Student Achievements



AWARDS & RECOGNITIONS

Faculty Achievements: Dr. Uzma Nadeem

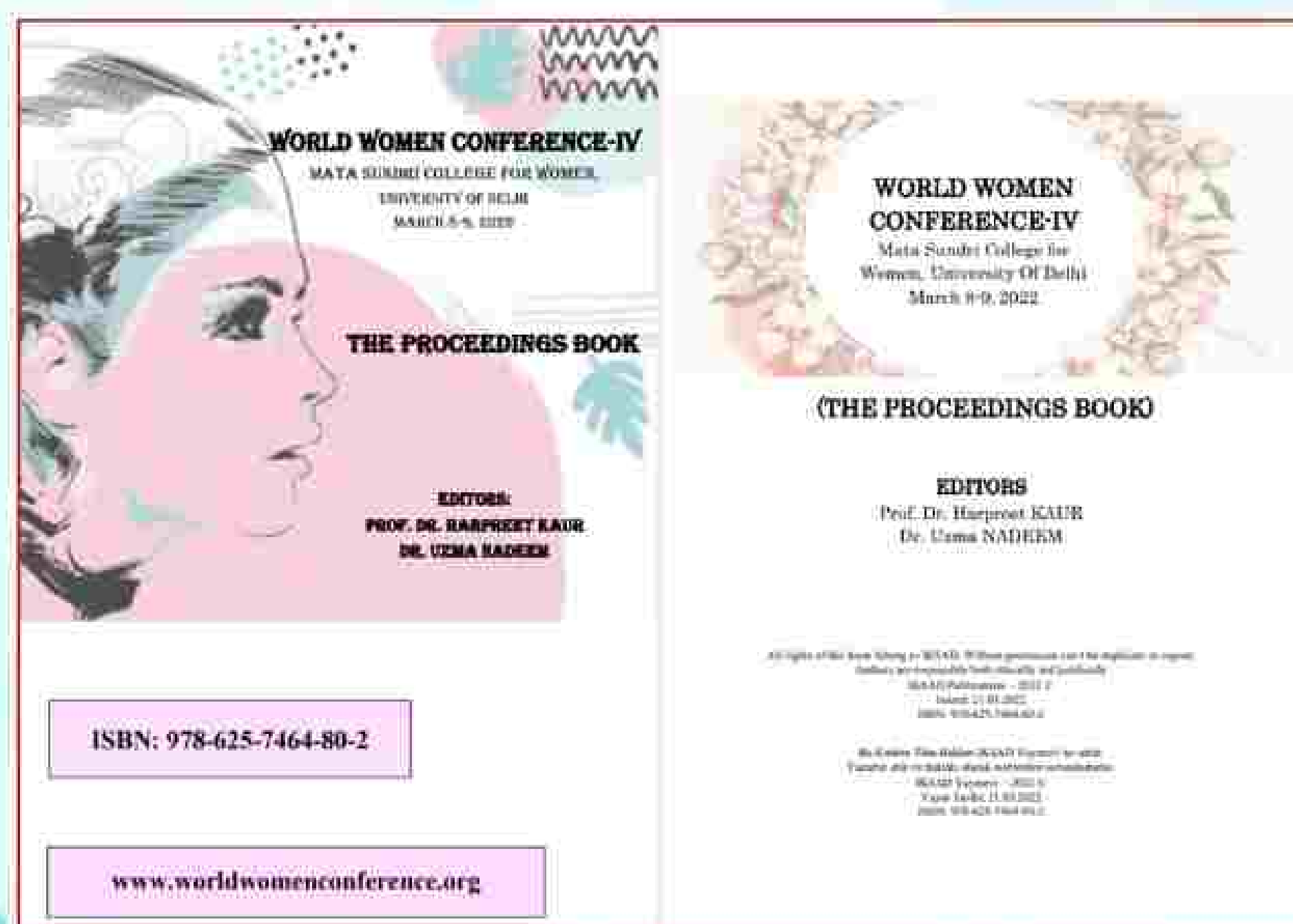


INTERNATIONAL COLLABORATION

Institute of Economic Development and Social Research
(IKSAD), Turkey



6th Asia-Pacific International Modern Sciences Congress
(15-16 December, 2021)



World Women Conference - IV
(08-09 March, 2022)



2021 -22 (Volume-3)

ECOVISION



DISTINGUISHED GUEST SPEAKERS INVITED

INTERNATIONAL SPEAKERS



DR. CAGLA GUL SENKARDES

**Istanbul Bilgi University, Istanbul
Blockchain Women Association
Turkey**

SAMIRA KHADHRAOUI ONTUNC

**Foreign Relations Department Head
Institute of Economic Development
and Social Researches, Turkey**



NATIONAL SPEAKERS



Shri. Rakesh Khatri
(Nest Man of India)



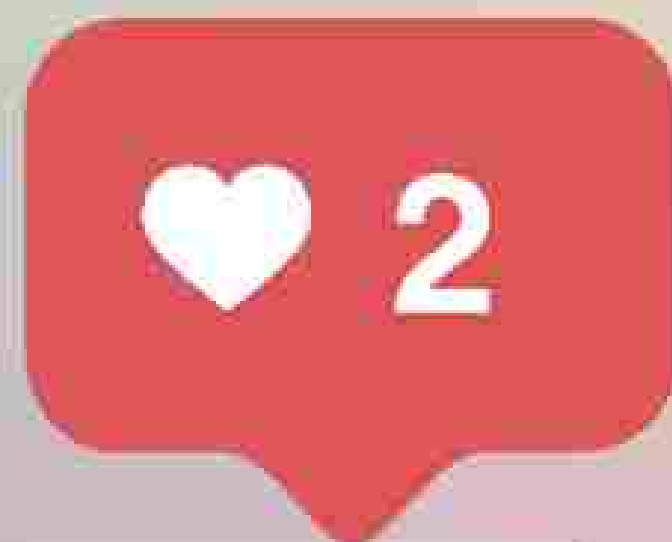
Dr. Rajendra Singh
(Water Man of India)

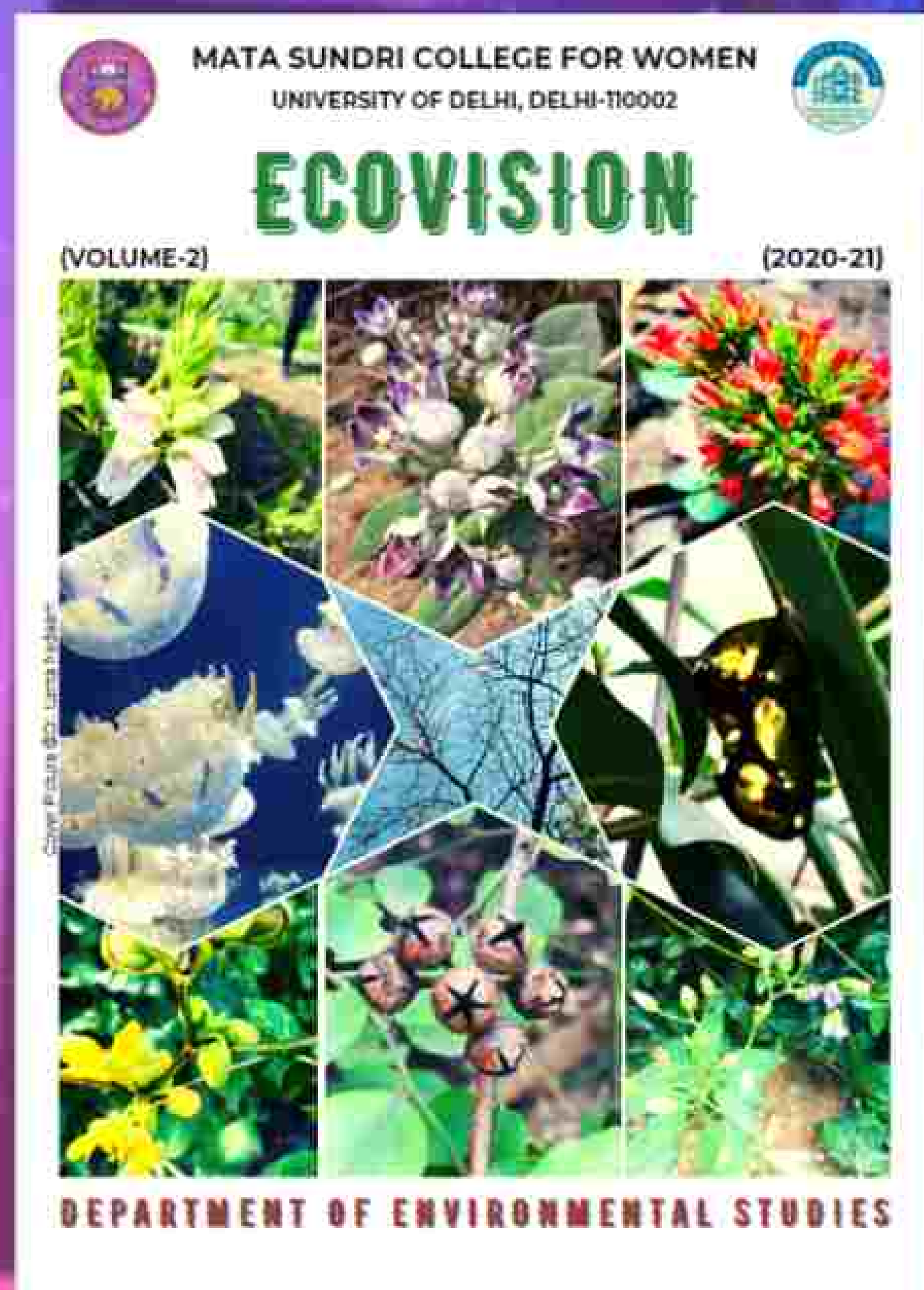
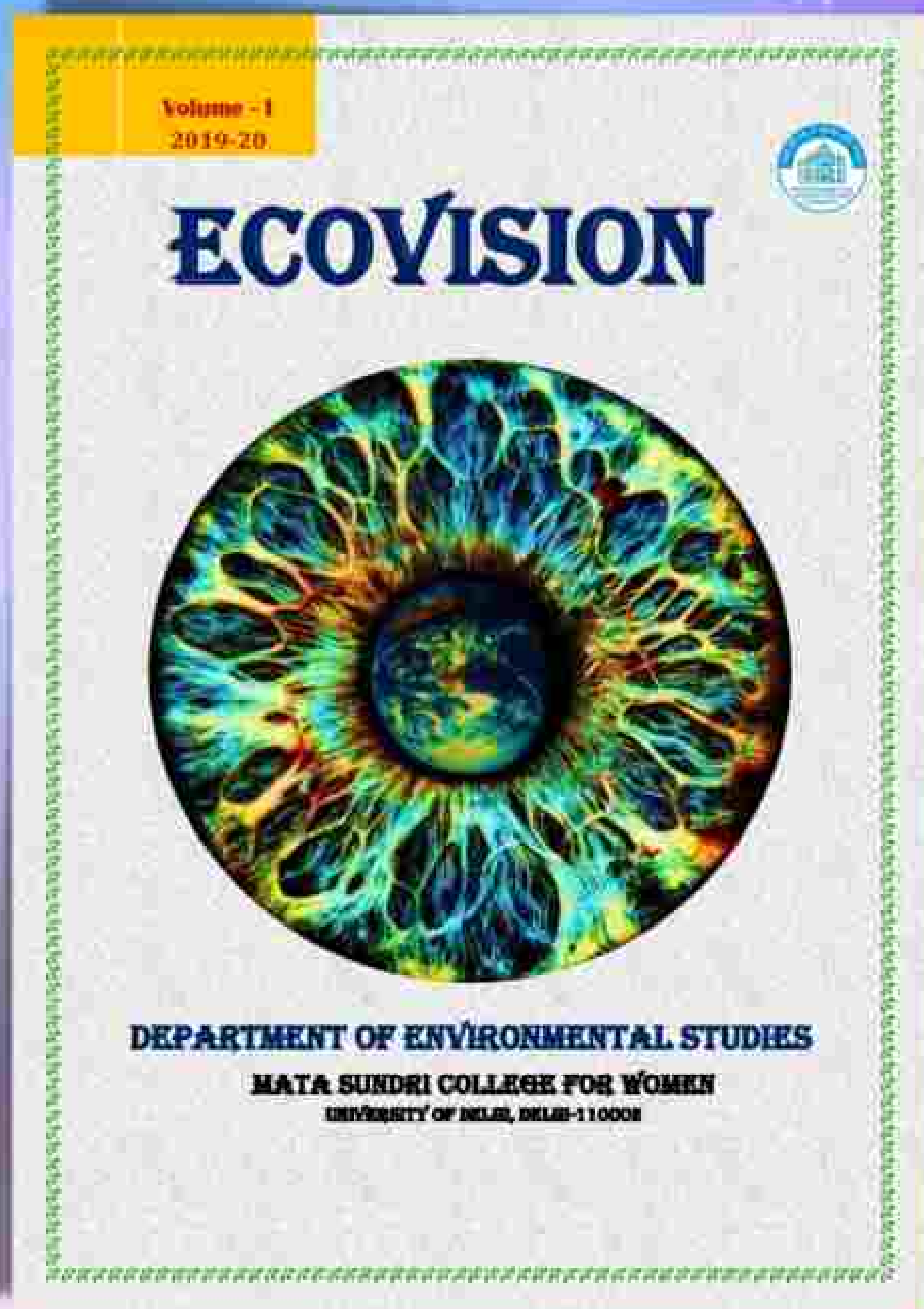


Dr. Vandana Shiva
(Environmentalist & Eco-Feminist)



SOCIAL MEDIA CORNER





***Ecovision-1 & 2 is available on the official website of
Mata Sundri College for Women***

THANKING NOTE

We would like to express profound gratitude to all those who contributed towards the successful drafting and completion of this E-magazine. Thank you so much for all your support.

And to all our patient readers for flipping the pages of this E-magazine, we hope that you found this up to your expectations.

Thank you for reading and for helping us grow. But most of all, thank you for being a part of our journey.

Lastly, to the entire editorial team, thank you for your effort that has been the icing on the cake.

Once again, thank you all.

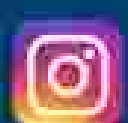
*thank
you*



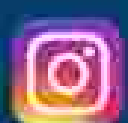
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