

# NEWSLETTER

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## EARTHY WORTHY

19th Issue

Oct-Dec 2021

*NBA accredited  
Environmental Science &  
Technology Department*

*NAAC accredited Shroff  
S. R. Rotary Institute of  
Chemical Technology*

# THE EDITORIAL BOARD



## BOARD



**Pratibha Gautam**  
**Head-DEST**



**Amishi Popat**  
**Asst. Prof, DEST**



**Ms. Zeel Desai**  
**SEM- III**



**Mr. Purusattam Das**  
**SEM - V**



**Mr. Kale Prasad**  
**SEM - VII**

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# Department of Environmental Science & Technology

## Vision

*“To become globally recognized as a pioneer in the field of Environmental Science and Technology by providing world-class education and training to students to deal with global environmental challenges by research based*

## Mission

- ❖ To prepare an innovative curriculum with a holistic approach of continual improvement in order to address environmental challenges.*
- ❖ To Impart sound scientific and technical knowledge in environmental management.*
- ❖ To Orient students to analytical techniques by offering state of art laboratories and innovative experiments.*
- ❖ To Practice and promote multi-disciplinary research leading to sustainable development.*
- ❖ To establish relationship among Industry-Academia-Research institution and undertake collaborative research projects to deliver scholarly output.*

# Department of Environmental Science & Technology

## Program Educational Objectives

- To excel our students in the field of environmental science and technology in order to provide economical, safe, and sustainable solutions of complex engineering problems pertaining to various environmental challenges.
- To educate our students with such high standards of teaching and learning coupled with rich hands on experience and project based experience that they are recognized globally for their sound technical capabilities and professional ethics.
- To prepare our students to demonstrate excellent abilities in interdisciplinary fields of environmental management such as waste water treatment, air pollution control and solid waste management.
- To develop our students' analytical skills and their ability to use modern engineering tools to critically evaluate and amalgamate various state of the art techniques of science and engineering to cater the need of sustainable development.
- To ensure our students to bring synchronization between industry and institute, and also to develop and promote industry oriented research at institute.

# DEPARTMENTAL ACTIVITIES



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# EXPERT LECTURE



Sr. No.	Name of Expert	Designation of Expert (With name of industry)	Date
1	Mr. Himanshu Thakkar	Manager of Head Quality Assurance at Synergia Science, Dahej	18/11/2021
2	Dr Jayesh Shah	Retired Head- R&D BARC, Mumbai.	18/11/2021
3	Mr. Prashanth Gotappu	Director - Client Services, Progility, Consultancy	20/11/2021
4	Dr. P . V Nidheesh	Senior Scientist, NEERI	23/11/2021
5	Mr. Dheeraj Gava	Environment Specialist, UPL, Mumbai	24/11/2021
6	Mr. Darshak Gadh esariya	Environment Engineer, GIL	7/12/2021



# GLIMPSE OF THE EXPERT LECTURE



Lecture by Mr.  
Darshak Gadhesariya,  
Environment Engineer,  
GIL, Mumbai on  
7.12.2021

Lecture by Mr.  
Dheeraj Gava,  
Environment  
Specialist, UPL,  
Mumbai on  
24.11.2021



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## INDUSTRIAL Visit

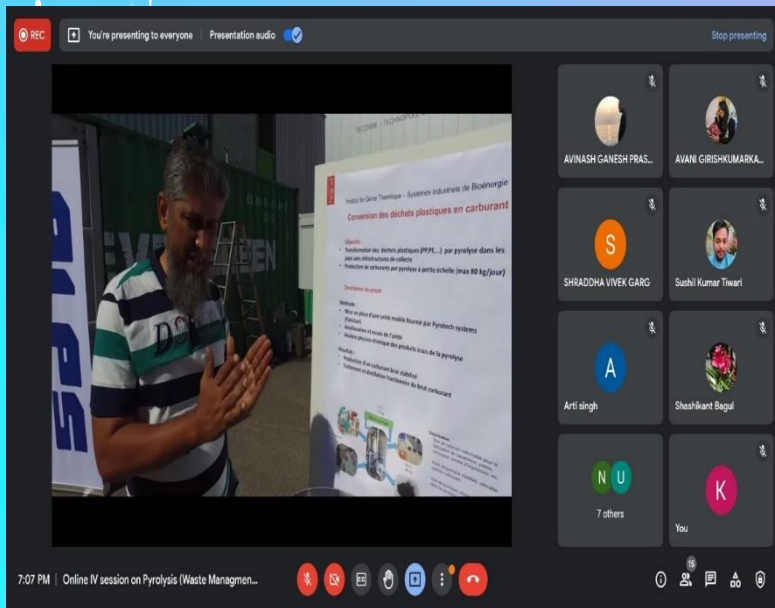


Sr. No.	Name of Industry	Date
1	BEIL	04/10/2021
2	Dinapur STP, Varanasi	29/10/2021
3	Ganesh Sugar industry	17/11/2021
4	Hindustan Speciality Chemicals Ltd, Jhagadia	25/11/2021
5	Apex pharma	27/11/2021
6	140 MLD Sewage Treatment Plant, Dinapur	30/11/2021
7	EID PARRY Sugar Industry	2/12/2021
8	Municipal Solid Waste Treatment Plant, Durgapur	24/12/2021
9	Shangqiu Jinpeng Industrial Co., Ltd., Shangqiu, China	29/12/2021
10	Pyrolysis Plant, Heig-vd University, Switzerland	29/12/2021
11	Eskay Iodine Pvt Ltd	29/12/2021



# GLIMPSE OF THE INDUSTRIAL VISIT

Online Visit to Pyrolysis Plant, Heig-vd University, Switzerland on 29.12.2021



Offline Visit to Hindustan Speciality Chemicals, Jhagadia on 25.10.2021

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## 1-2-1 Meeting



## 1-2-1 MEETING FOR BE SEM 7

12 & 18 | October 2021

A 1-2-1 meeting was scheduled with Dr Omprakash Mahadwad (Dean Engg.), Dr. Pratibha Gautam (HOD DEST) and Ms. Bhasha Mehta (Class Coordinator).



# 1-2-1 Meeting



## 1-2-1 MEETING FOR BE SEM 3

22 December 2021

A 1-2-1 meeting was scheduled with Mr. Ashok Panjwani (President UPL University), Dr. Shrikant J Wagh (Provost), Dr. Pratibha Gautam, (Head-DEST), Dr. Purvi Naik (Head-MSH Department), Ms. Preeti Sant (C.T.)

# DISCUSSION FOR SEM 3 PG STUDENTS REGARDING PROJECT TOPIC



01

An Virtual discussion was scheduled for PG-EM sem 3 students regarding their final yr project topic.

02

The discussion was kept with NK Verma Sir (Ex additional Director CPCB) on 26.11.2021.

03

Each and every student has joined individually and has discussed the current and future trends regarding their topic.

04

It was very beneficiary discussion as each student has noted down the comments and suggestions given by the sir.

05

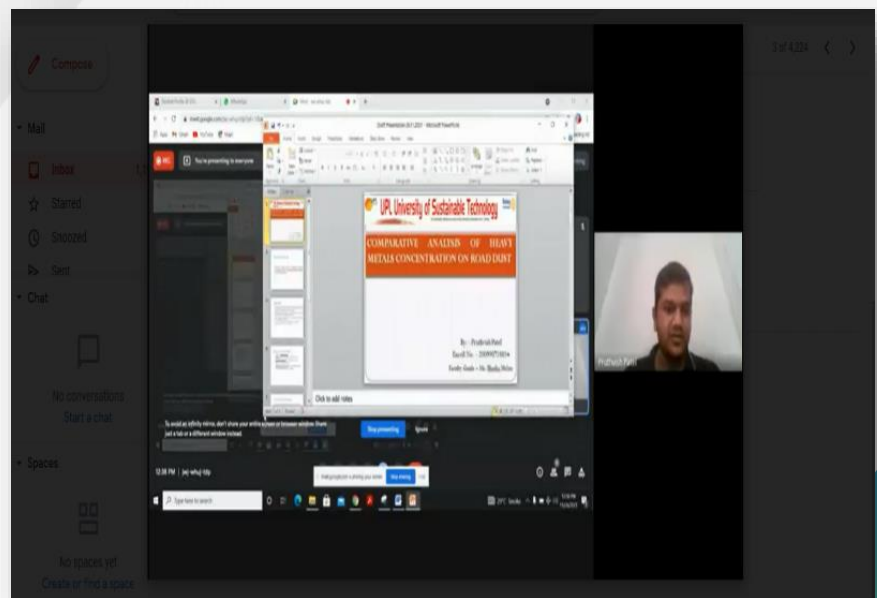
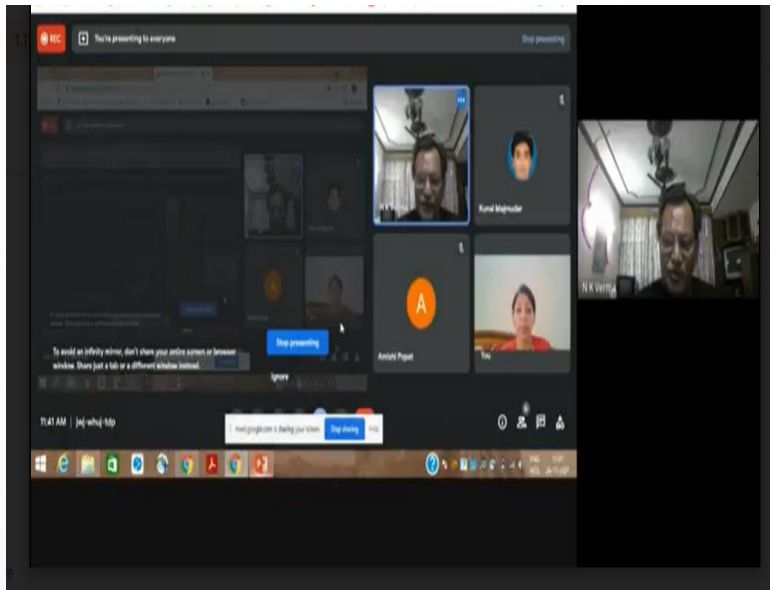
At the end, discussion of all the project mentors with the sir was done.

06

The review was coordinated by Ms. Amishi Popat (Asst. Professor, DEST) under the guidance of Dr. Pratibha Gautam (Head, DEST).

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# GLIMPSE OF THE DISCUSSION



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# ORIENTATION



## DIPLOMA AND BE FIRST YEAR

The Orientation program SHUBHAGAMAN was scheduled on 13 October 2021.



## ME FIRST YEAR

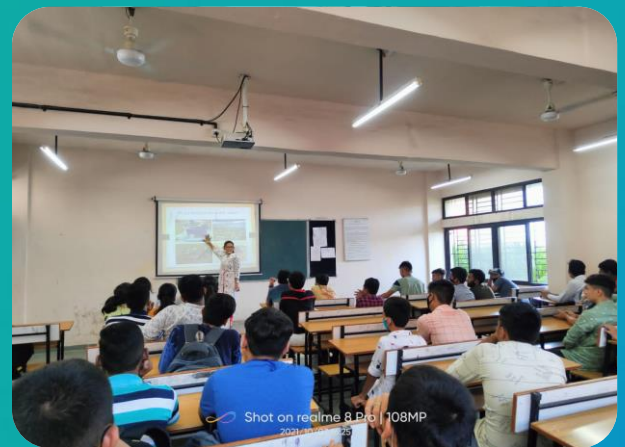
The Orientation program was scheduled on 05 October 2021.



# INDUCTION PROGRAM



- Ms Bhasha Mehta conducted Induction training on solid waste management of diploma and BE 1<sup>st</sup> yr students.
- Ms. Divya Lad conducted induction training on Universal Human Value for Diploma and BE 1<sup>st</sup> yr students.
- Dr. Pratibha Gautam conducted induction training on solid waste management of diploma and BE 1<sup>st</sup> yr students.



# SAMPARAK ABHIYAN

Tips to Improve  
Parent-Teacher Meeting



**Date:** 22/11/2021

**Addressed By:** Dr Snehal  
Lokhandwala & Ms. Pratibha  
Gautam

**Attendees :** All faculty  
members, Lab-Assistants and  
Parents (more than 100)

**Semester:** 1(UG and  
Diploma) and 1 (PG)

**Mode of meeting:** Online



# GLIMPSE OF THE SAMPARAK ABHIYAN

REC | Bhasha Mehta is presenting

UPL University of Sustainable Technology Rotary  
DEPARTMENT OF ENVIRONMENTAL SCIENCE & TECHNOLOGY  
Organizes  
**SAMPARK ABHIYAN**  
**(Online Parents-Teacher Meeting)**  
22/11/2021(7.00 p.m onwards)

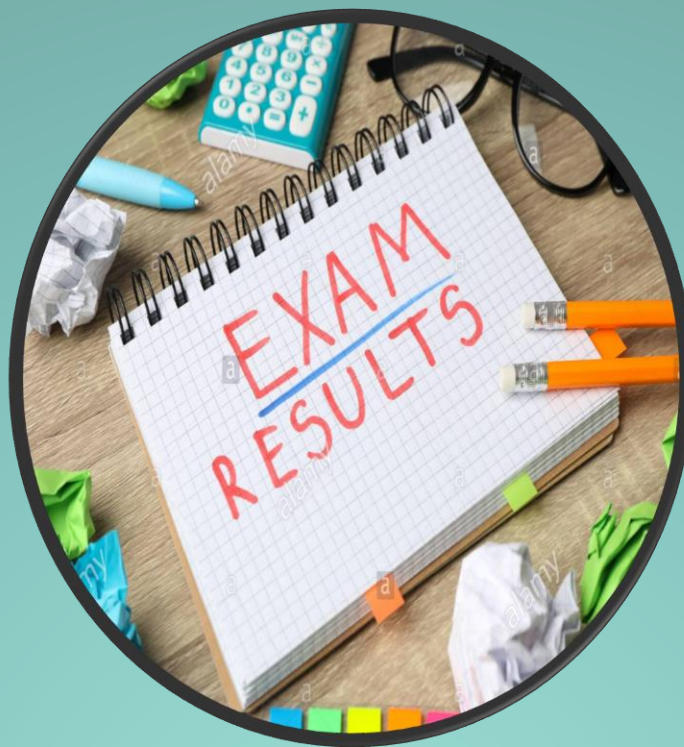
We share because We care

Participants: Bhasha Mehta, Kartik, Subhita Jha, bhaminii rana, Prabhata Gaudam, Dr Snehal Lokhandwala, Krishna Sharma, P, Fabin Das, 72 others, You.

REC

Participants: Dr Snehal Lokhandwala, Pragati Dave, Prabhata Kumar, Prabhata Gaudam, Thakor Nehal, Priya Singh, Bhasha Mehta, Kartik, Divyja Lad, Uday Mahesana, Subhita Jha, Fabin Das, Krishna Sharma, bhaminii rana, Rajnish Vachhani, Preeti Sant, ANKIT KUMAR SANJAY, Mori Riya, DEEP JAMNAYAT PATEL, Bhoomikaben Vinodbhai Praj..., PRACHINIMARI PATEL, dipaldbhai bhoi, KHUSHBEN PATEL, Priti Pal, ANUSHKA PATEL, Anjal Nair, S, Saurica Kambh, 64 others, You.

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## Department of Environmental Science & Technology

Semester	Pass	Result	10-Pointers
BE-IV	56/56	100%	7
BE-II	26/26	100%	3
ME-II	12/19	63.15%	0

**SHINING STARS OF BE  
SEM IV (BATCH 2019)  
WITH SPI 10 & WITH  
SPI > 9.5**

Name	SPI
PAREKH MRUGANSH DEVANG	10
PATEL KHUSHIBEN JIGNESHBHAI	10
PATEL PRACHIKUMARI RAMANBHAI	10
PATEL VIRALKUMAR GIRISHKUMAR	10
SHAH ANKITA VINOD	10
SHAH VELIN SHETAL	10
SHAIKH MOINUDDIN SHAHAALAM	10
DAYMA SIDDHRAJSINH NARENDRASINH	9.57
KURESHI SUMAYYAHBANU MOHAMMADSABIR	9.78
MODI RICHABEN DHANESHKUMAR	9.78
PATEL SAVANKUMAR NILESHKUMAR	9.61
PUROHIT DHRUVINI RASHIKKUMAR	9.78
TAPIAWALA HINKAL AMIT	9.78
TULSHI SHARANG NANDKISHOR	9.7
DAS PURUSATTAM NIRVIK	9.57

**SHINING STARS OF BE  
SEM 2 (BATCH 2020)  
WITH SPI 10 & WITH  
SPI > 9.5**

Name	SPI
DESAI ZEEL ANANT	10
SONI DHRUVIBEN SURESHBHAI	10
PAL PRITI JAGDISHBHAI	10
CHETAN CHHAGAN PETKAR	9.75
GAJARA VIVEK LAHERI	9.55
SISODIA DEVENDRASINH YOGENDRASINH	9.5

**SHINING STARS OF  
ME SEM 2 (BATCH  
2020) WITH SPI > 9**

Name	SPI
NANCY ARVINDBHAI PATEL	9.33
SHRADDHA VIVEK GARG	9.33

# INTERNAL REVIEW



- ✓ An Interval Review was organized for **M.E Sem-3 students of Environmental Management on 29 December 2021** by the Department of Environmental Science & Technology.
- ✓ Dr. Arijit Gupta and Mr. Kunal Majmudar were invited as the reviewers along with the other faculty members.
- ✓ It was a very beneficial discussion where all the faculty members gave their valuable feedback/suggestions to improve the quality of projects which was very well received by all the students.
- ✓ The review was coordinated by Ms. Amishi Popat under the guidance of Dr. Pratibha Gautam.



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**DETAILS OF SEM 8  
BATCH 2018 STUDENTS  
FOR INDUSTRIAL  
INTERNSHIP**



<b>Name of Company</b>	<b>Location</b>	<b>No. of Students</b>
Gujarat Guardian	Kondh, Ankleshwar	1
Ecopreneur Incorporate	Ankleshwar	5
BEIL Infrastructure Lintied	GIDC, Ankleshwar	3
Gujarat Insecticides Lintied	GIDC, Ankleshwar	2
ETL Limited	GIDC, Ankleshwar	4
Zentiva Private Limited	GIDC, Ankleshwar	3
Kamrej Vibhag Sahakari Khand Udyog Mandli Ltd	New Pardi, Kamrej	1
PGP Glass Private Limited	Kosamba	2
UPL Limited	Ankleshwar	8
Gujarat Guardian	Kondh, Ankleshwar	1
Ecopreneur Incorporate	Ankleshwar	5
		<b>Total-29</b>

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# NATURE CLUB ACTIVITIES

**THEME: Ecosystem Restoration**

**DATE: 20<sup>th</sup> October 2021**

**DELIVERED BY: Mr. Sushu Kumar  
Sharma, Former General Manager,  
NTPC Ltd.**

**PARTICIPATION DETAILS:**

**Students from DEST**

**EVENT COORDINATED BY: Ms.  
Bhasha Mehta and Ms. Preeti Sant**



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# GLANCE OF MoU ACTIVITIES



MoU Signed with	Date
Ecopreneur Consultant, Ankleshwar	09 Dec 2021
Bini Organics Pvt. Ltd., Panoli	17 Dec 2021
Subhashri Pigments Pvt. Ltd.	21 Dec 2021
Colourtex Ind. Pvt. Ltd. (Unit 5)	28 Dec 2021
Oxyleaf Environmental Services LLP.	31 Dec 2021



# GLIMPSE OF THE MoU



**NAME OF FACULTY:** Dr. Pratibha Gautam & Mr. Hitesh-Founder

**DATE:** 09 Dec 2021

**SIGNED WITH:** Ecopreneur Consultant,  
Ankleshwar

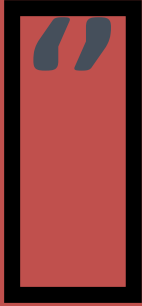


**NAME OF FACULTY:** Dr. Pratibha Gautam, Mr. Kunal Majmudar & Mr. Prashant-Founder

**DATE:** 17 Dec 2021

**SIGNED WITH:** Bini Organics Pvt. Ltd., Panoli





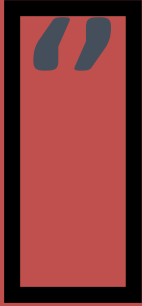
# GLIMPSE OF THE MoU



**NAME OF FACULTY:** Dr. Pratibha Gautam, Mr. K Srivatsan- Director & Mr. Rahul Dhake- Dy. GM  
**DATE:** 21 Dec 2021  
**SIGNED WITH:** Subhashri Pigments Pvt. Ltd.



**NAME OF FACULTY:** Dr. Pratibha Gautam,  
Ms. Bhasha Mehta & Dr. Mahesh Vashi- Site  
Head  
**DATE:** 28 Dec 2021  
**SIGNED WITH:** Colourtex Ind. Pvt. Ltd. (Unit 5)



# GLIMPSE OF THE MoU



**NAME OF FACULTY:** Dr. Pratibha Gautam, Mr. Kunal Majmudar & Mr. Nachiket- CEO & Mr. Harsh Shah- MD

**DATE:** 31 Dec 2021

**SIGNED WITH:** Oxyleaf Environmental Services LLP.



**NAME OF FACULTY:** Dr. Pratibha Gautam, Ms. Anjali Nair & Mr. Pankaj Antala- CEO

**DATE:** 31 Dec 2021

**SIGNED WITH:** Sigma Chemopharma Pvt. Ltd.



## STUDENTS ACHIEVEMENTS

*Hearty Congratulations to*

# VIRAJ PRANKDA

- **Virajsinh Prankada**, 7<sup>th</sup> semester Student of DEST stood 3<sup>rd</sup> in Gujarat State level Powerlifting Competition where he lifted 455 kg.
- He also stood 2<sup>nd</sup> in Gujarat state Level Deadlift Championship and was awarded 3<sup>rd</sup> place where he lifted 195 kg.



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# PROUD MOMENT FOR EST

**Kale Prasad,**  
student of Sem 7  
received GOLD  
MEDAL during the  
felicitation program  
of Sem 6 and PG  
students conducted  
on 23.11.2021



**ME SEM-I  
& 2:  
27 students  
got  
felicitated**

**BE SEM-6:  
25 students  
got  
felicitated**

# Faculty Achievements



## PUBLICATION OF BOOK CHAPTER BY FACULTY MEMBERS

Springer Link Search  Menu

[Advanced Industrial Wastewater Treatment and Reclamation of Water](#) pp 25-44 | [Cite as](#)

### Advanced Treatment Technologies for Industrial Wastewater

Authors [Authors and affiliations](#)

Alok Garg, Pratibha Gautamb, Darshan Salunkeb

Chapter  
First Online: 21 November 2021

Downloads

Part of the [Environmental Science and Engineering](#) book series (ESE)

#### Abstract

Exponential growth in industrial development has resulted in the generation of huge quantities of wastewater with a number of organic and inorganic pollutants.

Springer Link Search  Menu

[Advanced Industrial Wastewater Treatment and Reclamation of Water](#) pp 45-69 | [Cite as](#)

### Advances & Trends in Advance Oxidation Processes and Their Applications

Authors [Authors and affiliations](#)

Pratibha Gautam 

Chapter  
First Online: 21 November 2021

Downloads

Part of the [Environmental Science and Engineering](#) book series (ESE)


#### Abstract

Exponential growth in industrialization, urbanization, and commercialization activities in last three decades have

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Mr. Kunal Majmudar from DEST was involved in “Alumni’s Chapter Meet” as Editor in Alumni Connect.

### Alumni's Chapter Meet



The first episode of Alumni's Chapter Meet was released on 01<sup>st</sup> November. The interview is available on you tube. One may see it on You Tube "Alumni's Chapter Meet". The second episode will be released soon in the month of Feb/Mar 2022.

**From the desk of editors**



Hello Readers,  
A huge thanks to those who share their experience and journey. We invite more alumni to share their experience and stay connected to the alumni association and Institute.



The board members had an outing before Diwali holidays. We invite more members to engage themselves. We plan to organize a cricket match for alumni members on one of the Sunday followed by a fellowship meeting.

Write us back on [setu@sriect.in](mailto:setu@sriect.in)  
- Shreya Shah and Kunal Majmudar  
Editor, Alumni Connect

Name of Journal:

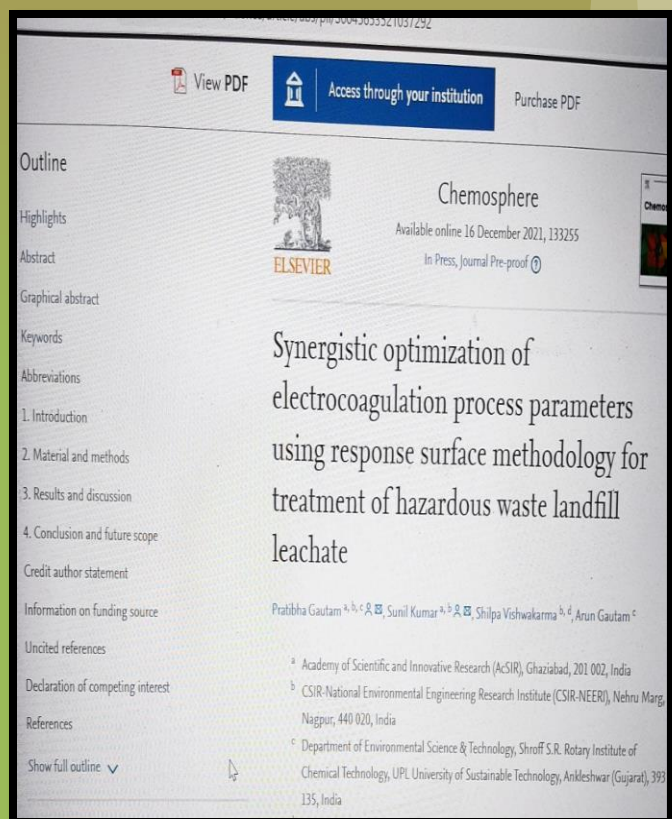
Chemosphere

Name of Author: Dr. Pratibha Gautam

Impact factor: **7.08**

Topic of publication:

Synergistic optimization of electrocoagulation process parameters using response surface methodology for treatment of hazardous waste landfill leachate.



View PDF | Access through your institution | Purchase PDF

### Chemosphere

Available online 16 December 2021, 133255  
In Press, Journal Pre-proof

## Synergistic optimization of electrocoagulation process parameters using response surface methodology for treatment of hazardous waste landfill leachate

Pratibha Gautam<sup>a,b,c</sup>, Sunil Kumar<sup>a,b</sup>, Shilpa Vishwakarma<sup>b,d</sup>, Arun Gautam<sup>c</sup>

<sup>a</sup> Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, 201 002, India  
<sup>b</sup> CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nehru Marg, Nagpur, 440 020, India  
<sup>c</sup> Department of Environmental Science & Technology, Shroff S.R. Rotary Institute of Chemical Technology, UPL University of Sustainable Technology, Ankleshwar (Gujarat), 393 135, India

Outline  
Highlights  
Abstract  
Graphical abstract  
Keywords  
Abbreviations  
1. Introduction  
2. Material and methods  
3. Results and discussion  
4. Conclusion and future scope  
Credit author statement  
Information on funding source  
Uncited references  
Declaration of competing interest  
References  
Show full outline

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Get to  
**KNOW YOUR  
FACULTY**

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# KNOW YOUR FACULTY



**Name of**

**Faculty:** *Ms.  
Preeti Sant*

**Qualification:**

*M.E(Environmental  
Engineering)*

**Experience:**

*1 yr 2 months*

**Area of interest:**

*Solid Waste  
Management*





GET TO  
KNOW  
YOUR  
ALUMNI

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Name: *Krunal Lashkari*  
Batch: 2014  
Currently working at: *Alembic  
Pharmaceutical Ltd.*  
(*Executive, Environment*)



Name: *Bansari Shah*  
Batch: 2016  
Current status: *Pursuing M. Eng  
Graduate Program Office  
from University of Calgary*



birthdays

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# **FACULTY BIRTHDATES**

**DIVYA LAD**

**DR. SNEHAL LOKHANDWALA**

**AMISHI POPAT**

# **STUDENT BIRTHDATES**

BHANUSHALI MEET, DALAL HARSHRAJ, KHATRI FALGUNI,  
KUMAWAT MANAN, MODI FENALBEN, SABHADIYA TEJASVI  
TAKOLIYA DEVRAJSINH, BHATT JINAL, CHAUHAN  
VIRAJ SINH, KUNJ SHAH, PATEL TIRTH, PATEL  
SAVANKUMAR, PAREKH MRUGANSH, GAGIYA  
KRISHNABEN, PARMAR RAVI, SHAH VELIN,  
DAS PURUSATTAM, SHAH ANKITA, KUSURKAR ABHISHEK,  
SHAH KRUPESH, RANA KHUSHI, KURESHI  
SUMAYYAHBANU, SHAH KHUSHEE, PATEL CHARMIKUMARI,  
ABHISHEK SHAHA, ANUJ KUMAR SINGH, CHIRANJEEV  
TIWARI, PANDIT PRERNA KESHAVCHANDRA, PATEL  
DHRUVKUMAR DHARMENDRABHAI, TAPAN BALDHA,  
MAKWANA JAYRAJ KANUBHAI

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# ENVIRONMENTAL NEWS



WE SHARE BECAUSE WE CARE

29<sup>th</sup> OCTOBER

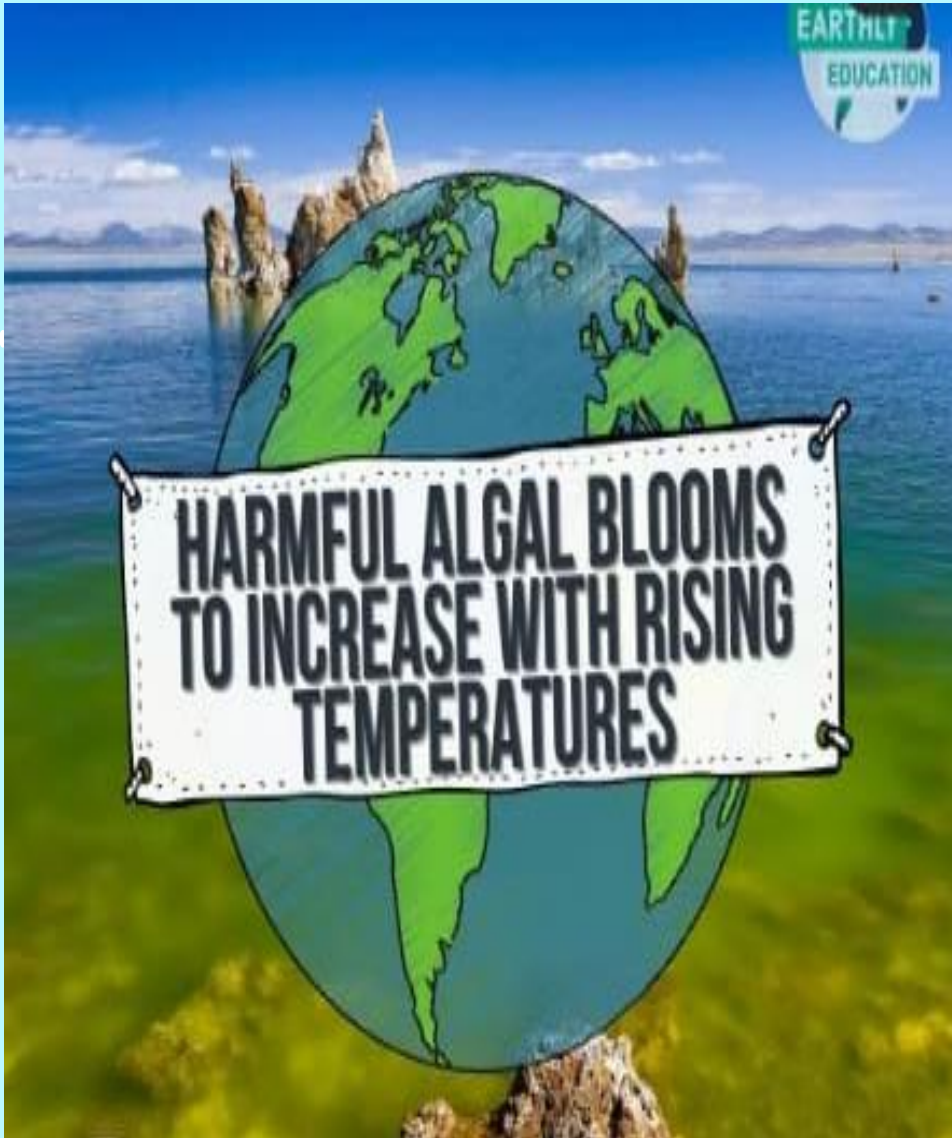
# CLIMATE EDUCATION FOUND LACKING WORLDWIDE

**EVERY COUNTRY IN THIS STUDY  
FAILED TO MEET 60% OF THESE  
CLIMATE EDUCATION CRITERIA:**

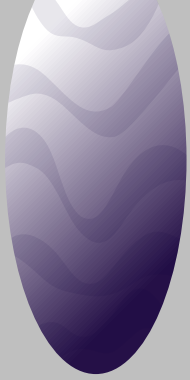
- CLIMATE JUSTICE
- AT ALL LEVELS OF EDUCATION
- FOCUS
- INTERSECTIONAL
- COMPULSORY
- ADEQUATELY FINANCED
- INCLUSIVE

Source:  
Climate change education ambition report card

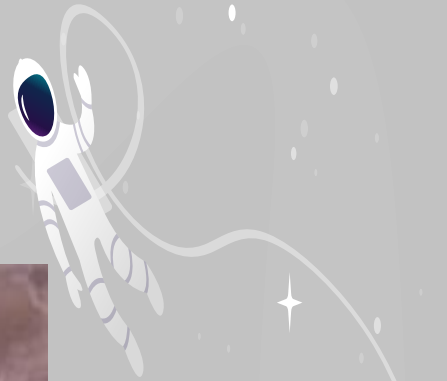
31<sup>st</sup>  
OCTOBER



Source:  
Coyne et al. 2021 via Science Daily



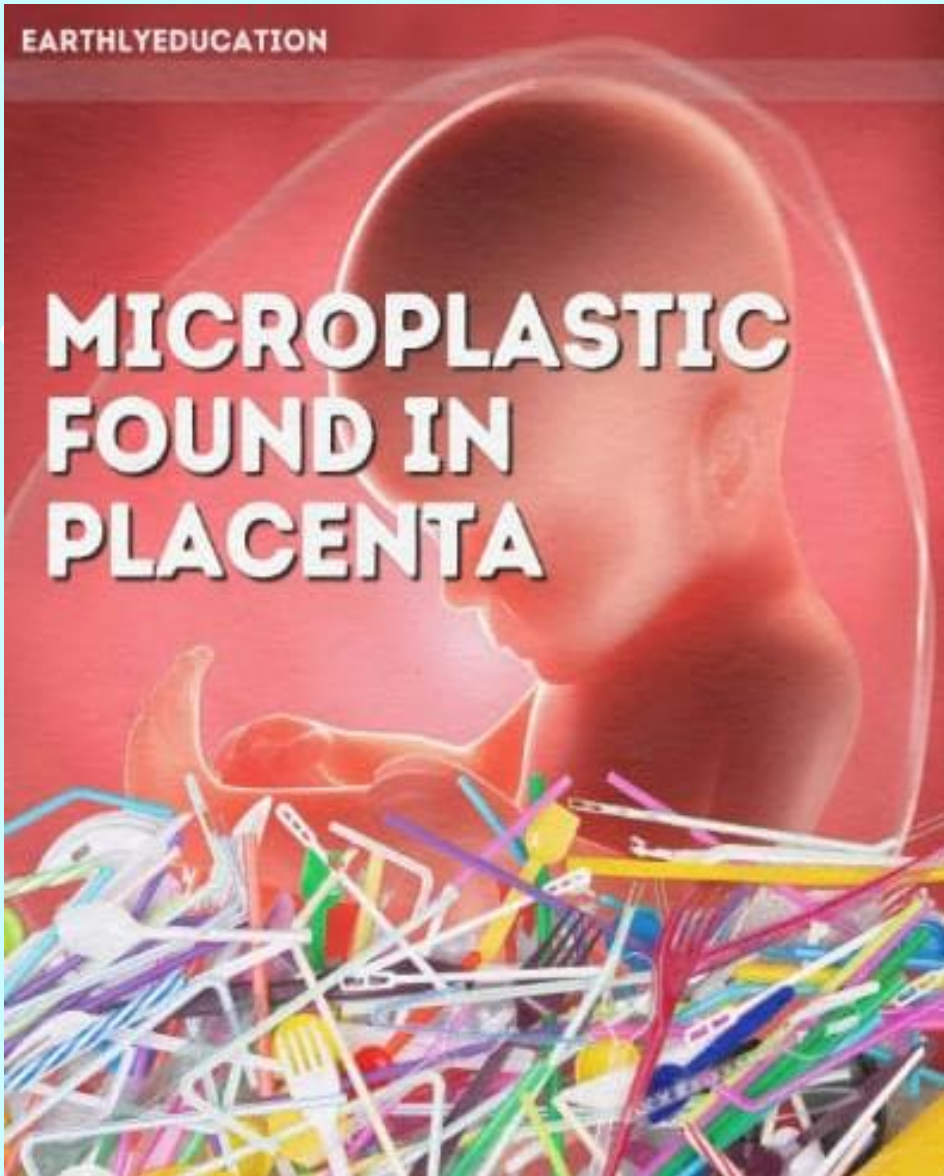
16<sup>th</sup>  
November



Source:  
E&E News, BBC, Smithsonian Magazine



22<sup>nd</sup> November



Source:  
The Gaurdian 2021

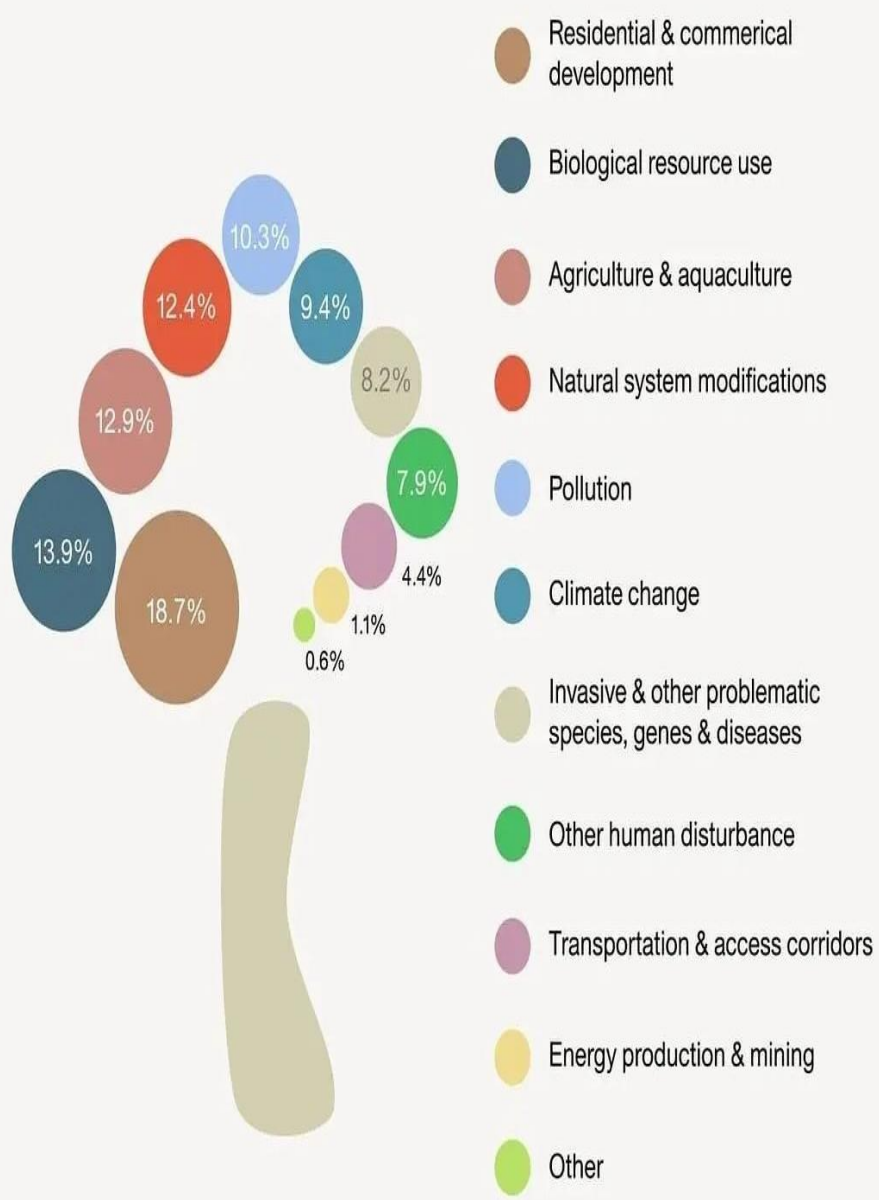


Saturday Sphere Atmos

We could be losing our fantastic fungi... and we wouldn't even know it

Here's how they're at risk →

## Fungi's biggest threats

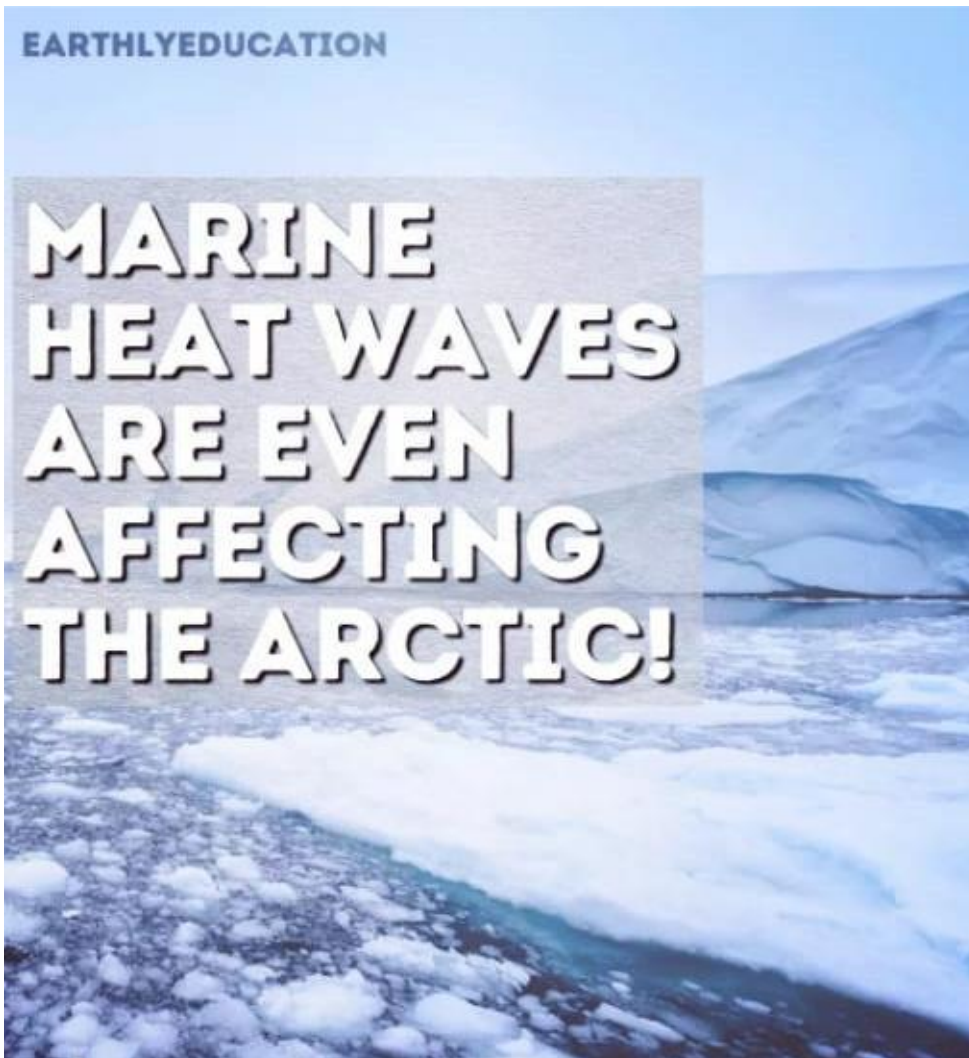


Source: Royal Botanic Gardens at Kew



Source:  
Royal Botanic Garden at kew

# 15th December



Source:

Huang et al. (2021) "Prolonged Marine Heatwaves in arctic: 1982 - 2020"

The background of the image is a dark, almost black, color. It is filled with a dense, repeating pattern of tropical leaves. The leaves are rendered in two shades of green: a vibrant, bright green and a slightly darker, forest green. The leaves include large, heart-shaped monstera leaves with characteristic splits, and various types of palm fronds with long, thin, pointed leaflets. The overall effect is a lush, jungle-like texture.

*Thank  
you*