

# BOTANICAL SOCIETY SESSION 2020-21

## REPORT

**TITLE OF THE EVENT:** “WORLD ENVIRONMENT DAY” HELD ON 5<sup>TH</sup> JUNE 2020

**OBJECTIVE OF THE EVENT:** To raise awareness among people to protect the environment from various issues of environment pollution, drastic climate changes, green house effect, global warming.

To encourage common people from different society and communities to actively participate in the activities related to environment etc.

To create new patterns of behavior of individuals, groups and society as a whole towards the environment. The competition

**ACTIVITIES:** All the interested students participated in online competition held on 5<sup>th</sup> JUNE 2020 during pandemic.

**Video making competition:** on “BIODIVERSITY”, “SAVE ENVIRONMENT,SAVE LIFE”, “SAVE WILD LIFE”, “STOP USING PLASTIC” “SAVE WATER” “SAVE ENERGY” “SAVE EARTH,SAVE TREE” etc.

On the same day 5<sup>th</sup> JUNE 2020 **ESSAY WRITING COMPETITION** on “BIODIVERSITY”, “SAVE WILD LIFE”, “STOP USING PLASTIC” etc. was organized.

**OUTCOME:** Biodiversity is the foundation for human health.

It provide ecological stability, our survival depends on plants and animals. So, we should respect the environment and our biodiversity and making rational use of natural resources and take steps to prevent pollution.

Save wildlife and save forest.

**PARTICIPANTS:** M.Sc 3<sup>rd</sup> Semester- Priya Vaishnav, Sandeep Tripathi, Lilesh Satpathy, Simmi Kawde, Gaurav Gandharav, Vatsala Mishra , Uravashi Lodhi ,Ruchi Matiyara, Vaishnavi Devi Soni, Mamta Manikpuri

ESSAY PARTICIPANTS: M.Sc 3<sup>rd</sup> Semester- Sandeep Tripathi, Vatsala Mishra, Gaurav Gandharav, Nidhi Vindhyaaraj, Pallavi Salam.

EVIDENCE :



## EVENT-2

**TITLE OF THE EVENT:** “EFFECT OF LOCKDOWN ON BIODIVERSITY” HELD ON 6<sup>TH</sup> JUNE 2020

### OBJECTIVE OF THE EVENT:

The main objective of this event that is “POSTER MAKING COMPETITION” and through this beautiful posters students tried to spread awareness towards people that they should not destroy their biodiversity and they should love and take care of their biodiversity and environment because it protect all the living being by providing raw materials and resources for medicines and other purposes.

To make their surrounding clean and tidy, don't come incontact with other people directly who came from outside.

To provide food to the street animals because due to lockdown they don't get proper amount of nutrients not even for their survival.

The competition was done in the presence of incharge Dr. Suneeta Patra & Dr. Vimal Kanungo.

### ACTIVITIES:

Students are participated in Poster Making Competition with great enthusiasm and posters were submitted online through Gmail for judgments and also granted 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> position to the participants.

Students had shared their ideas and point of view through their posters. They motivated all the batch mate's as well as professors from their performance.

### OUTCOME:

There are many positive effects on biodiversity during lockdown.

It reduce pollution, reduction of environment noise level,

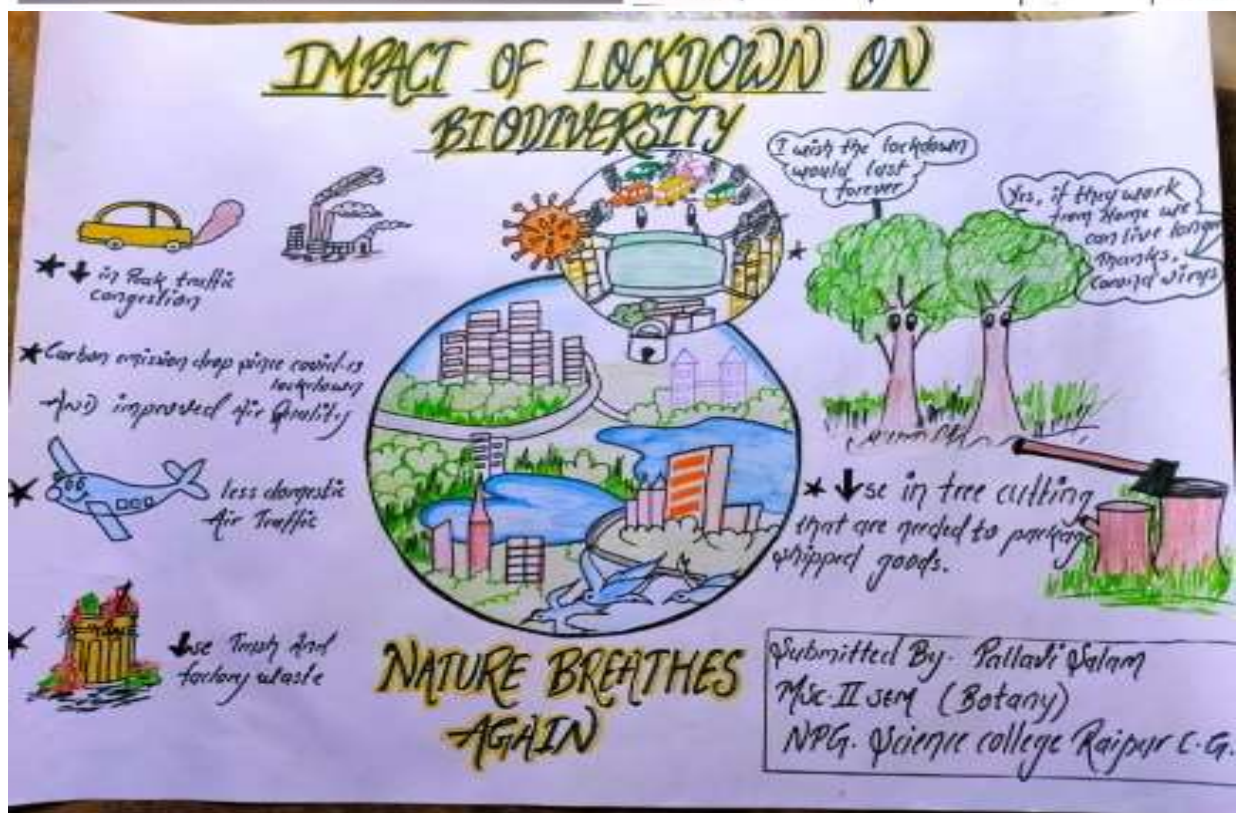
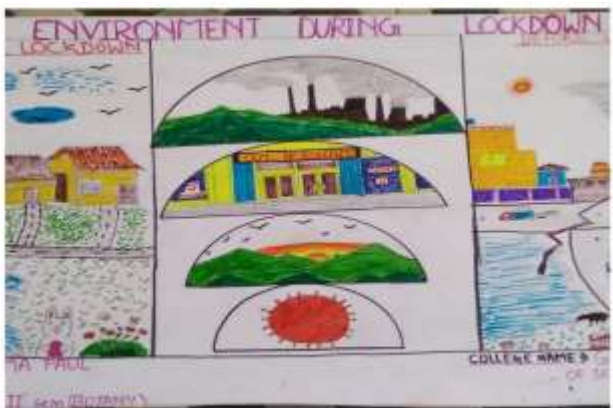
Decline in NO<sup>2</sup> concentration, clean beaches, improved water quality, peaceful wildlife.



**PARTICIPANTS:** Priya Vaishnav, Vatsala Mishra ,Simmi Kawde ,Urvashi Lodhi, Sushma Paul, Ruchi Matiyara, Sheetal Sahu, Pallavi Salam, Anjali Netam, Mamta Manikpuri, Gaurav Gandharav, Nidhi Sinha, Nidhi Vinhyaraj, Sandeep Tripathi, Pratap , Vaishnavi Devi Soni, Elisa Minj.

**EVIDENCE:**





### EVENT-3

**TITLE OF THE EVENT:** "SLOGAN WRITING ON ENVIRONMENTAL ISSUES "HELD ON 24th DECEMBER 2020.

**OBJECTIVE:** The objective of the event was-

To enhance students' thinking and creative skills.

Be creative in what they are going to write.

In addition to that, it was an effort to make them write few words on a familiar topic.

The competition was announced on 21st of December, 2020 and submission date was on 24th of December, 2020. In the presence of incharge teacher Dr. R. Diwan & Dr. S. Patra.

Students were provided with the basic material and guidelines to do their work.

**ACTIVITIES:** Slogan writing competition based on save energy, save earth, renewable energy, reduce reuses & recycle, save wildlife, save tree, plant tree, save water, reduce pollution, save power & save energy.

**OUTCOME:** Slogan content will benefit the students in many ways such as: it will enhance their thinking skills,

To improve their self confidence by participating.

Enhance their penmanship.

This event was successful in bringing students to a level where they initiated themselves for the participation.

It will also help the students to remember the importance of our own environment, our own beliefs.

**PARTICIPANTS:** M.sc 3<sup>rd</sup> semester

1. Lilesh Satpathy (save tree) 2. Ruchi Matiyara (save power & energy) 3. Simmi Kawde (save earth) 4. Sushma Paul (save water) 5. Sandeep Tripathi (save water) 6. Urvashi Lodhi (save tree) 7. Vaishnavi Devi Soni (save wild life) 8. Vatsala Mishra (save wild life) 9. Mamta Manikpuri



## EVENT-4

**TITTLE OF THE EVENT:** “PICTURE OF YOUR AREA HAVING RARE PLANTS “held on 25th of December 2020.

**OBJECTIVE:** Rare plant species have special attributes that make them vulnerable to extinction. Our conservation collections help us better understand rare species and ultimately can help sustain species survival in natural settings.

Healthy ecosystems depend on plant and animal species as their foundations. When a species becomes endangered, it is a sign that the ecosystem is slowly falling apart. Each species that is lost triggers the loss of other species within its ecosystem.

Humans depend on healthy ecosystems to purify our environment. Without healthy forests, grasslands, rivers, oceans and other ecosystems, we will not have clean air, water, or land. If we allow our environment to become contaminated, we risk our own health.

In the presence of incharge teachers Dr. Suneeta Patra & Dr. Vimal Kanungo.

**ACTIVITIES:** Picture of our area having rare plants.

Plants that were formerly more common have become rare because of changes in their environment. These changes are often brought on directly or indirectly by people’s patterns of settlement, transportation, recreation, and use of natural resources. We can help rare species recover and even thrive sometimes by making changes in our own behaviors.

**OUTCOME:** The main purposes of collecting pictures of rare plants are to increase the scientific knowledge, contribute to biodiversity conservation, to promote assist the value of biodiversity to the visitors, and to develop techniques for collecting, sowing, planting and reintroducing of plants.

**PARTICIPANTS:** M.Sc 3<sup>rd</sup> semester 1. Lilesh Satpathy (*Crassocephalum crepidioides*, *Hymenocallis coronaria*, *Leonotis leonurus*).

2. Ruchi Matiyara (*Dracaena trifasciata*).

3. Urvashi Lodhi (*Vitex negundo*, *Withania somnifera*, *Averrhoa carambola*, *Asparagus recemosus*).

4. Mamta Manikpuri.



EVIDENCE:



Rare plant collection by;  
URVASHI LODHI  
M.Sc.3rd sem (BOTANY)  
GNSC Raipur



## EVENT-5

**TITLE OF THE EVENT:** “PLANTATION IN THREE DIFFERENT AREAS” HELD ON 26<sup>TH</sup> DECEMBER 2020

### OBJECTIVE OF THE EVENT:

The purpose of plantation is to save the endangered environment and to beautify our life.

The idea behind the plantation activity was to propagate the message that planting trees helps to maintain a clear eco-friendly environment, reduces pollution and improve the green ambience.

In the presence of incharge teachers Dr. Suneeta Patra & Dr. Sangeeta Bajpai.

### ACTIVITIES:

All the interested students participated in online competition held on 26-12-2020 during lockdown. Plantation in three different areas-

### OUTCOME:

By planting trees we can protect our environment as well as the life of our future generations too.

- Trees and forest can provide natural filtration, resulting in cleaner water, cleaner air and a cleaner world.
- Doing plantation and providing awareness to other people's can help us to protect our earth.

### PARTICIPANTS: M.Sc 3<sup>rd</sup> Semester

1. Urvashilodhi
2. Lilesh Satpathy
3. Ruchi Matiyara,
4. Vatsala mishra.

### EVIDENCE:





## EVENT-6

**TITLE OF THE EVENT:** “Skill based activities” HELD ON 27<sup>TH</sup> DECEMBER 2020

### OBJECTIVE OF THE EVENT:

The main objective of organizing such types of activity is to build the skills of the students who has already acquired knowledge through classroom lectures and encourage them to experiment and apply those concepts to strengthen the learning process.

### ACTIVITIES:

All the interested students participated in online competition held on 27-12-2020 during lockdown.

#### **Performed Grafting technique (video):**

Grafting is a horticultural technique used to join parts from two or more plants so that they appear to grow as a single plant.

In this activity the student grafting hibiscus flowers to get multiple colours. By using three different types simple splice grafting, whip grafting, cleft grafting. And after 30-60 days we get our final result.

#### **“Bird needs you this summer” (video):**

In this activity waste products like Plastic bottles, Cardboard, Claypot are used to make a shelter for birds which are then coloured and decorated, then it is hanged in shady place with the help of rope. Where food and water are placed there for birds during summer.

#### **Social activity (video):**

In this activity one of our student visit a tribal place near Kawardha district. He went to school and provides children awareness about the pandemic (corona) and also teaches them how to wash their hands in every 2 minutes and also teach some topic regarding to their syllabus.

### OUTCOME:

From the above activities we can learn many things like grafting, helping birds by providing shelter, helping needy by providing free education and also by aware them about the current situation like pandemic or related to any disease. By grafting we can get flowers and fruits of superior in quantity and different varieties of plants too.



**PARTICIPANTS:** Msc3rd semester

**Performed Grafting technique:** Urvashilodhi

**“Bird needs you this summer”:** Priyavaishnav

**Social activity** : Lileshsatpathy



**PLANT GRAFTING BY;  
URVASHI LODHI  
M.SC.3RD SEM(BOTANY)  
GNSSC RAIPUR**



## EVENT-7

**TITLE OF THE EVENT:** “ONLINE QUIZ COMPETITION” HELD ON 10<sup>TH</sup> JANUARY 2021

### OBJECTIVE OF THE EVENT :

A golden opportunity for students to explore and improve their general knowledge skills and raise awareness among people for environmental issues and different current issues.

Besides the obvious academic benefits of expanding a student's knowledge and exploring new skill at an early age quizzes. Beside the education system in significant ways.

### ACTIVITIES:

All the interested students participated in online quiz competition held on second third week of June 2020 during pandemics.

### Quiz competitions are -

- 1) Covid 19 pandemic awareness online quiz competition
- 2) Environmental awareness quiz competition
- 3) Earth climatic and ocean research foundation quiz competition
- 4) Chemistry online quiz competition

### OUTCOME:

Students got knowledge about their safety from the Covid 19 pandemic.

Also got knowledge about earth climate and to make other people aware about environment.

**PARTICIPANTS** - Sandeep Tripathi, Priya Vaishnav, Vatsala mishra, Lilesh Satpathy,

Simmi Kawde, Urvashi Lodhi, Ruchi Matiyara, Sushma Paul, Gaurav Kumar Gandharav, Mamta Manikpuri, Elisa Minj, Nidhi Vindhyaaraj, Nidhi Sinha, Anjali Netam

## EVENT-8

**TITLE OF THE EVENT:** “REPUBLIC DAY” 26TH JANUARY 2021

### **OBJECTIVE OF THE EVENT:**

Republic day is one of India's significant national celebrations celebrated with extraordinary pride and energy all through the nation.

This day recognizes India's best authentic occasions when the constitution of India came into power.

The nation commends this day by arranging different occasions and programs dependent on the Indian freedom battle.

In our department, many activities also held in the presence of incharge teachers Dr.R. Pimalgaonkar [HOD] & Dr. Suneeta Patra.

### **Activities:**

On 26th January, students had participated in online events that are shayari on republic day, song based on freedom and nationalism and speech on republic day.

Our professors also told us about the freedom fighters, freedom battle and our brave martyrs who had sacrificed their life for our Nation.

### **OUTCOME:**

Students felt blessed that they live in such a wonderful country, that our brave soldiers sacrificed their life for us.

**Participants:** M.Sc 3<sup>rd</sup> semester

Speech: Vatsala Mishra

Song: Vaishnavi Devi Soni

Shayari: Sandeep Tripathi

Slogan: Mamta Manikpuri

## Event-9

**TITLE OF THE EVENT:** “PLANTATION PROGRAMME IN BOTANICAL GARDEN IN OUR COLLEGE “HELD ON 5<sup>TH</sup> FEBRUARY 2021

### OBJECTIVE OF THE EVENT:

The plantation program was organized on 5<sup>th</sup> February 2021 in our botanical garden of our college in which all the faculty members and students from our department gave the contribution in planting the sapling.

In the presence incharge teachers Dr.Suneeta Patra & Dr.R. Pimalgaonkar.

### ACTIVITIES:

Sapling of many useful and ornamental plants such as aloe barbadensis miller, trachyspermum ammi, ocimum sanctum, curcuma longa, elettaria cardamomum, Withania somnifera etc.

Our professors explained the importance of the plantation.

We not only planted the sapling but also took care of them such as watering the plants, putting manure etc.

### OUTCOME:

The main aim of this event is to create and spread awareness to protect the environment and plant more and more trees.

Trees are essential to life.

They offer many environmental benefits.

They improve our air quality by absorbing harmful dust and pollutants such as carbon-monoxide, sulphur dioxide and ozone from the air we breathe.

Many species of wildlife depend on trees for habitat.

Trees provide food, protections and homes for many birds and animals.

### Participants:

M.Sc 3<sup>rd</sup> semester: Urvashi Lodhi , Priya Vaishnav, Simmi Kawde, Vatsala Mishra , Ruchi Matiyara , Sushma Paul, Nidhi Vindhayaraj, Elisa Minj, Sandeep Tripathi .



EVIDENCE:



**PLANTATION AT COLLEGE  
BOTANICAL GARDEN BY;  
M.SC.3RD SEM STUDENTS  
(BOTANY)  
GNSC RAIPUR**

## EVENT: 10

**TITLE OF THE EVENT:** INTERNATIONAL FOREST DAY ON 21 MARCH 2021

### OBJECTIVES OF THE FOREST:

The day celebrates and raises awareness of the importance of all types of forest; countries are encouraged to undertake local, international efforts to organize activities involving forests and trees, such as tree planting campaigns.

We depend on forests for our survivals, from the air we breathe to the wood we use.

Besides providing habitats for animals and livelihoods for humans, forests also offer watershed protection, prevent soil erosion and mitigate climate change.

### ACTIVITIES:

On 21<sup>st</sup> march 2021, students had participated in online events that are essay writing and video making on different topics like “Important of forest resources”

“Dependence of tribals on forest resources”

“Causes of deforestation”

“Forest of Bastar and their tribes”

### OUTCOME:

The main aim of this event to spread awareness to plant more and more trees.

Forest resources serves as a source of fishing, hunting animals, fruits form pants, to the local people.

They got fodder for their cattle, firewood’s etc.

Different species and varieties of plants, some of which are having medicinal properties and are acting as potential source of mordent drugs.

### PARTICIPANTS:

M.Sc 3<sup>rd</sup> semester: Sushma Paul, Simmi Kawde, Urvashi Lodhi.

M.Sc 1<sup>st</sup> semester: Dimple Nag, Yanjana Tandon.





## EVENT- 11

**TITLE OF THE EVENTS:** WATER DAY ON 22 MARCH 2021

### OBJECTIVE OF THE EVENTS:

World water day is celebrated on the 22<sup>nd</sup> of March every year.

It mainly focuses on increasing awareness of the importance of water.

This highlights the important water resources.

It mainly aims to give value and importance of fresh water.

### ACTIVITIES:

On 22<sup>nd</sup> march, students had participated in ARTICLE WRITING and video making on different topics like Importance of water,

Save water, we cannot make it rain but we can certainly save water.

Water and climate change.

Conserve water every water counts.

### OUTCOME:

Students get knowledge about conservation of water, importance of water

Water is the most essential, perishable and precious resources on earth.

Unwanted and unnecessary use of water can lead to famine, drought and various other problems

Without water, no one can survive and no sector of the society can perform their function well.

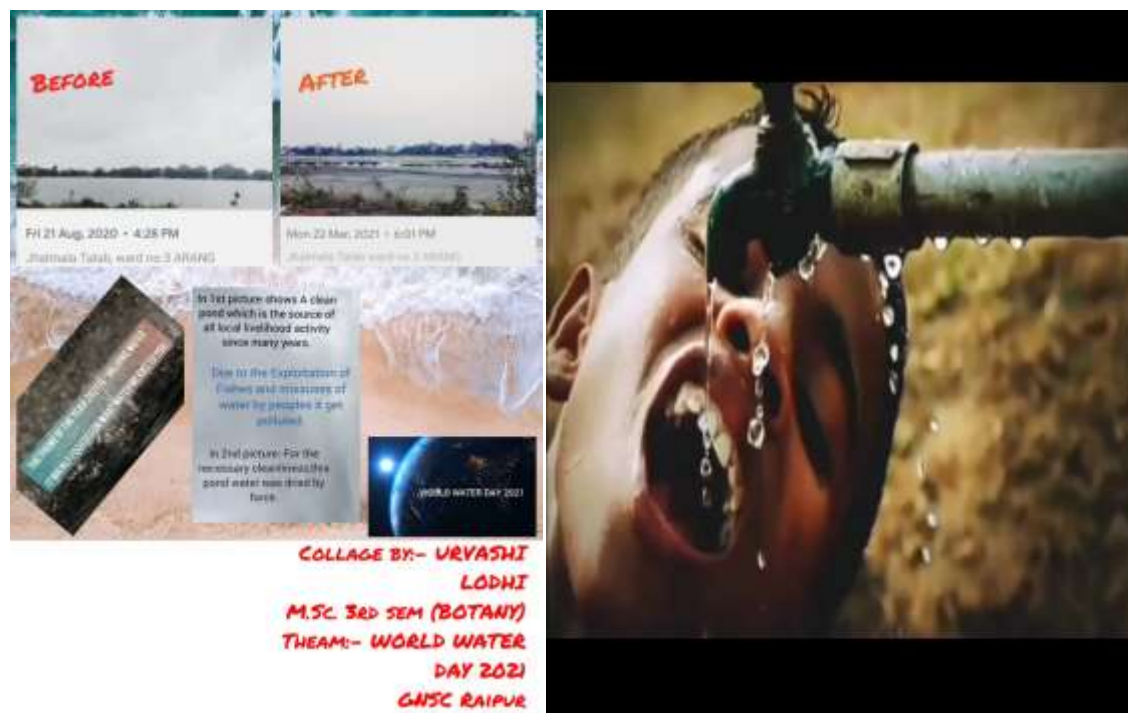
Freshwater supply is limited and the need to save it is very important

**PARTICIPANTS:** M.sc 1<sup>st</sup> semester: Kiran Yadav, Leena verma, Alka

M.Sc 3<sup>rd</sup> semester: Pratap Yadav, Urvashi Lodhi.



## EVIDENCE:



## **Department of Botany**

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### **First semester session (2020-21)**

**Total No. Of student – 25**

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