



Digras Vibhagiya Shikshan Prasarak Mandal's
Bapuraoji Butle Arts, Narayanrao Bhat Commerce &
Bapusaheb Patil Science College, DIGRAS

College Code : (Sr.) 405

DIST. YAVATMAL 445203

[NAAC Accredited 'B' (CGPA 2.50)]

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College Code : (Jr.)

Pay Unit - 0564010083 / 146

Board - 08.04.002

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6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvements in various activities. (For first cycle –Incremental improvements made for the preceding five years with regard to quality For Second and subsequent cycles- Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)



D.V. S. P. Mandal's
B. B. Arts, N. B. Commerce and B. P. Science
College, Digras, Distt. Yavatmal.

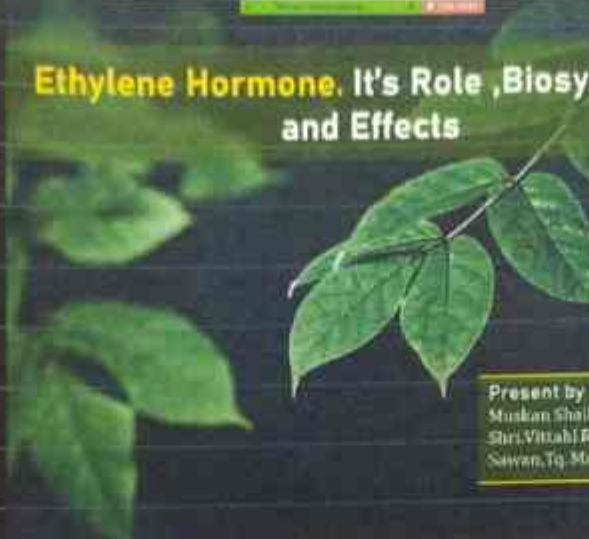
Name of the Activity Program	University Level Seminar Competition 2020-21
Date	23.12.2020
Place	On-line via Zoom meeting
Organized by	Department of Botany
Collaboration with (if any)	—
No. of student participants	07
No. of teacher participants	07

Department of Botany organized university level seminar competition for B.Sc. IIIrd Sem V students. The competition was inaugurated with the hands of Principal, Capt. Vinod L. Khalatkar. The topic allotted for competition was from Plant Physiology and Ecology part of Syllabus of B.Sc. Botany. Ms. Muskan Sheikh of Shri. Vitthal Rukhmini Mahavidyalay, Sawana Dist. Yavatmal secured 1st position, 2nd position was secured Ms. Rutuja Nihatkar of Rajarshi Shahu College, Chandur Rly Dist. Amravati and 3rd position was shared by Ms. Chanchal Jangamwar of B.B. Arts,N.B. Commerce and B.P. Science College Digras Dist. Yavatmal and Ms. Shivani Jaiswal of Vinayak Vidnyan Mahavidyalaya, Nandgaokhandeshwar Dist. Amravati.


Dr. Gaurav S. Shende, Mahatma Phule College Bhatkuli and Prof. Kunal B. Dhokne Shri. Vitthal Rukhmini Mahavidyalay Sawana worked as jury for the university level online seminar competition 20-21.



Ethylene Hormone. It's Role ,Biosynthesis and Effects




Present by
Muskan Shaikh (B.Sc. V &
Shri. Vittal) Kachharini Co
Sawan, Tq. Mahagaon, D.D.



What are Hydrophytes

- Plants which grow in wet places or in water either partly or wholly submerged.
- Examples
 - *Utricularia.*
 - *Vallisneria,*
 - *Hydrilla*





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Name of the Activity Program	National Science Day Poster Competition 2020-21
Date	28/02/2021
Place	Online Poster Exhibition on Google site
Organized by	Department of Botany
Collaboration with (if any)	--
No. of student participants	11
No. of teacher participants	04

On the occasion of National Science Day 2021 the Department of Botany and Science Club announced a **Online Poster Competition** for its students on Theme “ **Clean Environment Green Environment** and “ **Biodiversity and Conservation**” Dr. M. M. Dhore Head of the Department, Dr. S. M. Deosthale and Prof. P. V. Gadkar evaluated the online posters and uploaded it on designated google site(<https://sites.google.com/d/1XXmmvdMS3W5ObJUBsWUDGjpv7j5l46/p/1eJCzHayXbwQGnxEtRnnzOQ2Sz19T0KZ9/edit>) for online poster exhibition. The results were also displayed on website. Ku. Ashwini Sudhakar Chandurkar Of M.Sc. Botany II got first prize for the poster plastic free environment, Second prize was secured by Arjun Shyamrao Khaparkar of B.Sc. III for poster wetland biodiversity and Ku. Akansha Ravindra Petkar of B.Sc. I got third prize for biofuels.



Online Poster Exhibition on Google Site



B.B. Arts, N.B. Commerce and B.P. Science College Digras
Dist Yavatmal

**ONLINE POSTER COMPETITION ON THE OCCASION OF
NATIONAL SCIENCE DAY 2021.**

The National Science Day celebrated all over India on 28th February every year to commemorate the discovery of the Raman Effect by Indian physicist, Sir C. V. Raman in the year 1928. On this occasion the Department of Botany and Science Club announces a Online Poster Competition for its students on following themes:

Theme " Clean Environment Green Environment"

Subtopics- 1) Biofuels For Sustainable Development

- 2) Solar Powered Agriculture.
- 3) Plastic Free Environment.
- 4) Urban Green Spaces

Theme " Biodiversity and Conservation"

Subtopics- 1) Status of Biodiversity In COVID 19 Pandemic

- 2) Biodiversity Conservation Strategies
- 3) Wetland Biodiversity
- 4) Forest And CO₂ Sequestration
- 5) Our Oceans

The Poster can be submitted online via Whatsapp to the Co-ordinators

Dr. S. M. Deosthale (9422869882) and Prof. P. V. Gadkar (7038671361)

Or Email to pranavgadkar@gmail.com with poster competition as the subject of the email.

The last date of submitting the poster : 26/02/2021

Prizes and certificate will be given for the three best entries and certificate of commendation for some worthy entries. The best entries will be displayed in online on 28th February 2021.

Banner for the Online Poster Competition

Plastic Free Environment

Plant More Trees

Trees are the main source of oxygen and they can produce enough oxygen for two people breathing at the same time. The World Wildlife Fund encourages people to plant trees. You can plant trees in your school, office, or home. You can also plant trees in your neighborhood.

Shopping for organic clothes

It is good to either wear clothes that are made of natural fibers like cotton, wool, or silk. If you are buying clothes, look for organic labels. Organic clothes are made from natural fibers and are free from pesticides and other harmful chemicals.

Use reusable/cloth shopping bags

When going shopping, it is important to bring your own reusable shopping bags. Do not use plastic bags. Plastic bags are made from fossil fuels and are not biodegradable. They can take hundreds of years to decompose. Reusable bags are made from cloth and can be used over and over again.

Use reusable water bottles

Instead of using plastic water bottles, use reusable water bottles. Plastic bottles are made from fossil fuels and are not biodegradable. They can take hundreds of years to decompose. Reusable bottles are made from metal or glass and can be used over and over again.

Don't drink water/juice from plastic bottles

Plastic bottles are made from fossil fuels and are not biodegradable. They can take hundreds of years to decompose. Instead, use reusable water bottles or glass bottles. You can also use reusable water jugs.

Swap sponges

Cleaning your home can become a hazardous affair. Steering from the sponges you use. Avoid using synthetic sponges. Instead, go for one made of wool fiber. Or else there is always the assured traditional way of using the cleaning cloth.

Say NO to straws

From tender cocktails to every other drink, these little plastic straws find a place. Take your own time-made of glass or stainless steel or drink without them to save yourself and the environment.

Look away from packaged foods

It is good to either wear clothes that are made of natural fibers like cotton, wool, or silk. If you are buying clothes, look for organic labels. Organic clothes are made from natural fibers and are free from pesticides and other harmful chemicals.

Reduce, Reuse, Recycle

Name :- Ashwini Sudhakar Chandurkar class :- MSc. (Botany) - IInd year

BIO-DIVERSITY AND CONSERVATION WETLAND BIODIVERSITY

Def. Wetlands are a distinct ecosystem that is home to water either permanently or seasonally. They are rich in biodiversity and provide a wide range of services to the environment.

Uses

- Water storage (flood control)
- Groundwater replenishment
- Wildlife and fisheries and other products
- Water purification
- Charismatic biodiversity
- POLLINATION
- Wetland products
- COASTAL PROTECTION
- Floodplain and Wetlands
- Climate change mitigation and adaptation according to the Ramsar Convention

Major wetland conservation

The Convention on Wetlands of International Importance especially as Waterfowl Habitat, or Ramsar Convention is an international treaty designed to protect global wetlands, including wetland loss and degradation. The Convention works closely with the International Organization for Migration, the World Bank, the International Water Management Institute, Wetlands International and the World Wildlife Fund for Nature.

Biota The biota of a wetland system includes its flora and fauna.

- Flora
- Fauna

Wetlands are also important for their role in carbon sequestration. They store large amounts of carbon in their soil and plants, which helps to reduce the amount of carbon dioxide in the atmosphere.

THEME "CLEAN ENVIRONMENT GREEN ENVIRONMENT" TEXT

Subtopics Plastic Free Environment.

slogan Don't be drastic; Say "NO" to plastic.

Protect the environment: Go plastic-free with these 11 easy everyday tips

- Use reusable shopping bags. -
- Don't drink water/juice from plastic bottles. - beverage mugs. -
- Use reusable/ cloth Shopping for organic clothes. -
- Swap sponges. -
- Use candles/incense sticks for fresher air. -
- Say NO to straw. -
- Reduce use of electronics.

Name: Atanksha Parindra, Patil
 Class: Bsc 1st Year (Bio) Subject: Botany
 Topic: Biofuels for Sustainable Development

BIOFUELS

Introduction:
 The world's biofuel demand has increased significantly since 2000. The limited availability of biofuels is very different from those of petroleum due to its diverse range of uses. The biofuel was more expensive than other sources. The environmental benefits and carbon footprint have limited to the use. Some of the most abundant and available in these regions.

Some of the sources - ethanol, vegetable oil, biodiesel, algae, dry matter of (cellulose), black liquor (chlorine treated in biomass refinery), Fischer-Tropsch liquid and hydrogen gas and etc are primary products, the secondary products of which is small selection of containing fuel material.

Types of Biofuels
 There are many two types of Biofuels:

- 1. Advanced Biofuels (Synthetic form)
- 2. 1st Generation Biofuels (Conventional form)

1st Generation Biofuels are further divided into:

- 1. Grain based (Ethanol)
- 2. Oilseed based (Biodiesel)
- 3. Wood based (Cellulosic Ethanol)
- 4. Algae based (Algal Biofuels)

A NEW FUEL shows that 14M litres of Biofuel was supplied in the UK under an initiative to cut down greenhouse gas emissions from Road Transport.

1410 Million litres of Biofuels have been supplied.

SOY

MOST WIDELY REPORTED SOURCE FROM ARGENTINA
 180 MILLION LITRES OF BIOETHANOL SUPPLIED

BIOFUEL ACCOUNTED FOR -

- 31% OF TOTAL ROAD TRANSPORT FUEL
- 58% GREENHOUSE GAS SAVINGS WERE ACHIEVED

THE LARGEST FUEL OIL COOKING OIL THE LARGEST FUEL OIL OF BIOFUEL

THE MAJORITY OF FELDSTOCK HAS BEEN IMPORTED ONLY 22% OF THE BIOFUEL WAS REPORTED AS COMING FROM UK.

THANK YOU

B.B. ARTS, N.B. COMMERCE, B.P. SCIENCE COLLEGE, DIGRAS, DIST-YAVTMAL.
 Department of Botany
 online poster competition 2021
 THEME - BIODIVERSITY AND CONSERVATION
 (STATUS OF BIODIVERSITY IN COVID 19 PANDEMIC)

High pollution and CO₂ emissions
 Self-regeneration
 COVID-19 PANDEMIC
 Together we can act for Nature

submitted by,
 Mahima jadhao
 Msc-1(sem-1)

B.B. ARTS, N.B. COMMERCE, B.P. SCIENCE COLLEGE, DIGRAS, DIST. YAVATMAL.
 DEPARTMENT OF BOTANY
 ONLINE POSTER COMPETITION 2021
 THEME - CLEAN ENVIRONMENT GREEN ENVIRONMENT
 SUB. - Biofuels for sustainable Development

BIOFUELS

Submitted by - Prajakta Dudhe MSc Sem (1)