



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)]

STD Code : 07234 Ph. (O) 222022

College Code : (Jr.)

Pay Unit - 05640100083 / 146

Board - 08.04.002

Website : www.bnbcollege.org

E-Mail : principal.bnbcollege@gmail.com

2.3.1 Student centric methods, such as experiential learning, participative learning, problem solving methodologies are used for enhancing learning experiences.



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.




Officiating Principal
B.B.Arts,N.B.Commerce &
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BIODIVERSITY AND CONSERVATION WETLAND BIODIVERSITY



Sunrise at Viru Bog, Estonia

Def A wetland is a distinct ecosystem that is flooded by water, either permanently or seasonally, where oxygen-free processes prevail [1]. The primary factor that distinguishes wetlands from other land forms or water bodies is the characteristic vegetation of aquatic plants, adapted to the unique hydric soil.

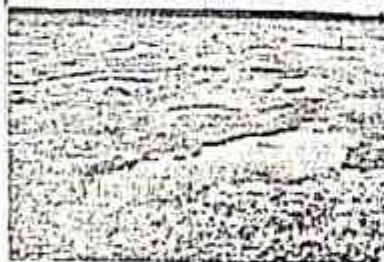
Uses

- Water storage (Food control)
- Groundwater replenishment
- Shoreline stabilization and storm protection
- Water purification
- Reservoirs of biodiversity
- **POLLINATION**
- Wetland products
- Cultural values
- Recreation and tourism
- Climate change mitigation and adaptation

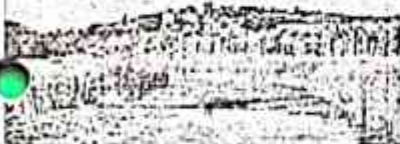
Types



Freshwater swamp forest in Bangladesh



Peat bogs



Marshes



Fen

Ramsar wetland conservation

The Convention on Wetlands of International Importance, especially as Waterfowl Habitat, or Ramsar Convention, is an international treaty designed to address global concerns regarding wetland loss and degradation. The Convention works closely with five International Organisation Partners. These are: Birdlife International, the IUCN, the International Water Management Institute, Wetlands International and the World Wide Fund for Nature.

Biota

The biota of a wetland system includes its flora and

Flora



Bud of *Nelumbo nucifera*, an aquatic plant.

Fauna



Many species of frogs live in wetlands

Snapping turtles are one of the many kinds of turtles found in wetlands.

Birds, particularly waterfowl and wading birds, use wetlands extensively
Amphibians such as frogs need both terrestrial and aquatic habitats in which to reproduce and feed
Reptiles such as alligators and crocodiles are common in wetlands of some regions.

B.B.ARTS, B.COMMERCE AND B.P.SCIENCE
COLLEGE DIGRAS DIST.YAWAL
Name: Arjun Shamrao Khaparkar

Shamrao Khaparkar
Officiating Principal
B.B.Arts, N.B.Commerce &
B.P.Science College Digras



Sub = Biodiversity And Conservation

Name :- Aarti Vasantrao Pawar
Class :- Bsc 1st (Bio)

* SAVE ANIMAL *



Hand in hand,
Come
together to
Preserve
biodiversity
and save lives

B.B. Arts
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B.P. Science
College [Digras]

Aarti Vasantrao Pawar

Theme "Clean Environment Green Environment"

Subtopics- . Plastic Free Environment.

Learn how to care for our planet
With this Earth Day!

REDUCE RECYCLE REUSE

CAMPAIGN



JOIN US ON GREEN WAVE
CAMPAIGN

KEEP THE PLASTIC FREE ENVIRONMENT

Nikit Tikait. B.Sc I year sem I



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B.P.Science College, Digras

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Figure 11.1. Classification of Marine Organisms

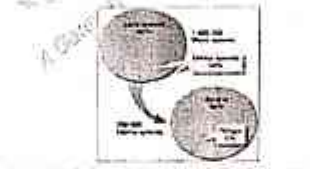


Figure 11.2. Number of Marine Species (adapted from Long and Hansen 2004)

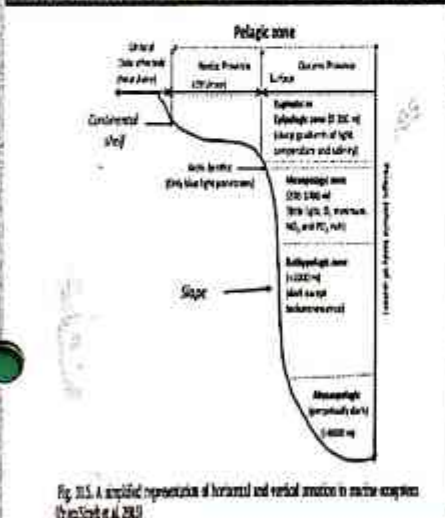


Fig. 11.3. A simplified representation of horizontal and vertical zonation in marine ecosystems (from Singh et al. 2013)

Pathshala
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Subject: Environmental Sciences

Production of Coursework
Content for Post-Graduate Courses

Page No. 01 Ecological Structure & Function

chanchal Gajanan Jangamwar
Class:- Bsc 3rd sem V

[Signature]
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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

Bio-Alcohol

Bio-alcohol is a type of alcohol that is produced from biomass. It is a renewable energy source that can be used as a fuel for vehicles. It is produced by fermenting biomass, such as corn, sugarcane, or wood, with yeast. The resulting alcohol is then purified and distilled to produce bio-alcohol.



Biodiesel

Biodiesel is a type of diesel fuel that is produced from biomass. It is a renewable energy source that can be used as a fuel for vehicles. It is produced by reacting biomass, such as vegetable oil or animal fat, with an alcohol, such as methanol, to produce biodiesel.



Vegetable Oil

Vegetable oil is a type of oil that is produced from biomass. It is a renewable energy source that can be used as a fuel for vehicles. It is produced by extracting oil from biomass, such as soybeans, rapeseed, or sunflower seeds.



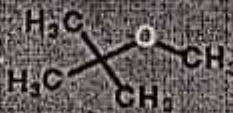
Green Diesel

Green diesel is a type of diesel fuel that is produced from biomass. It is a renewable energy source that can be used as a fuel for vehicles. It is produced by reacting biomass, such as vegetable oil or animal fat, with an alcohol, such as methanol, to produce green diesel.



Bioethers

Bioethers are a type of ether that is produced from biomass. They are renewable energy sources that can be used as fuels for vehicles. They are produced by reacting biomass, such as vegetable oil or animal fat, with an alcohol, such as methanol, to produce bioethers.



Biogas

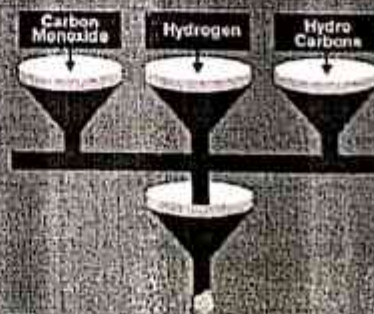
Biogas is a type of gas that is produced from biomass. It is a renewable energy source that can be used as a fuel for vehicles. It is produced by fermenting biomass, such as manure or food waste, with bacteria to produce biogas.



Syngas

Syngas is a type of gas that is produced from biomass. It is a renewable energy source that can be used as a fuel for vehicles. It is produced by reacting biomass, such as wood or coal, with oxygen and steam to produce syngas.

For the production of syngas, biomass is first converted into a gas. This is done by reacting biomass with oxygen and steam. The resulting gas is then cleaned and compressed to produce syngas.



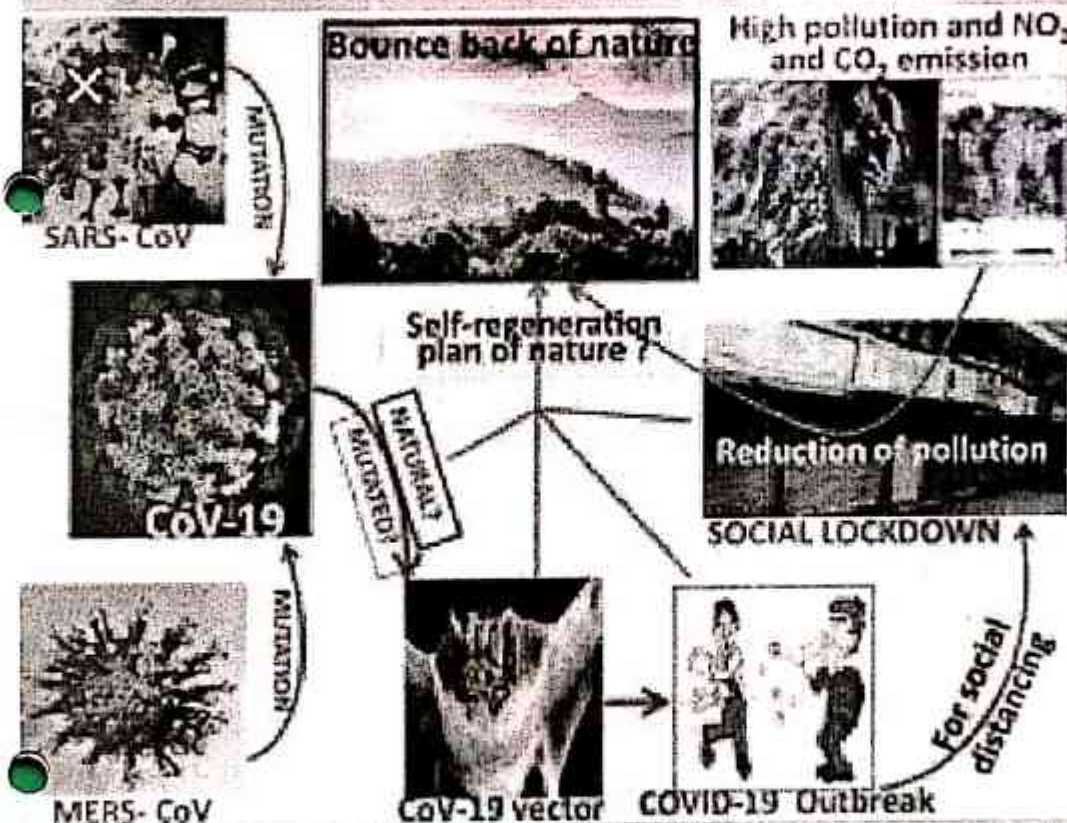
Submitted by - Prajakta Dudhe MSc i Sem (1) Maker

Shruti
Officially Principal
B. Arts, N. B. Commerce &
B. P. Science, Digras



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Department of Botany online poster competition 2021 THEME-BIODIVERSITY AND CONSERVATION {STATUS OF BIODIVERSITY IN COVID 19 PANDEMIC}



Together we can act #ForNature



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

Plastic free Environment

Plant trees, save environment

Trees are our main survival tools, only one tree can produce enough oxygen for four people surviving air cooling down the streets. National air conditioning saves water, preventing water pollution. Renewable energy source providing shelters for wildlife. Sustainable soil.

Shopping for organic clothes

It's not the best thing to go for clothes that cause plastic pollution like nylon, acrylic or polyester. Try and keep these to a minimum and consider making your own clothes especially materials like silk, wool and cotton are not made of harmful pesticides & herbicides.

Use reusable/cloth shopping bags

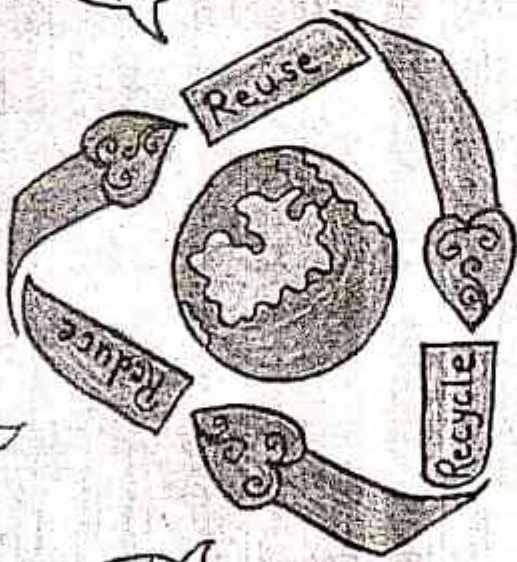
When going shopping, it is convenient to buy for those large, all-filling plastic bags at the counter well, refrain from them. Use your own reusable bags, millions of tons of oil is used to make plastic cover. So this way you save oil and avoid plastic.

Save animals from plastic waste
Animals may mistake plastic for food. It does not lead for a tumour that belongs to a dog, a cow, or a cat. Plastic bags can cause intestinal blockages. We can save many fishes dolphins all ocean life by preventing plastic.

Use reusable beverage mug
Your first interaction with plastic most likely happens when you are looking to grab some coffee en route to work or once you reach there. Each doing so, make sure you take a reusable mug instead.

We should Recycle because

Recycling helps in keeping the environment clean. Reduce the amount of waste produced. Helps in the conservation of many non-renewable resources. Saves energy and thus helps in avoiding energy crisis.



Don't drink water/Take from plastic bottles

It's immensely attractive to see those tall and thin bottles of water and juice. Avoid buying these and instead opt for drinking fresh juice or water off reusable containers.

Say NO to straw

From tender soups to every other edible liquid, these little plastic machines find a place. Take your own stainless 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 avoid these all together or go for ones that have been wrapped in paper or enclosed in glass or boxes. Reduction of sales of packaged food will help producers ponder where its going wrong!

Swap sponges

Cleaning your home can become a harmless affair. Starting from the sponges you use. Avoid using synthetic sponges. Instead, go for one made of wood fiber or else there is always the assumed traditional way of using the cleaning cloth.

Name : Ashwini Sudhakar Chandurkar

Class :- MSc. (Botany) - IInd year

Ashwini
Officiating Principal



H.B. Arts, N.E. Commerce & B.P. Science College, Digras