



PUDUCHERRY ENVIS HUB

(Environmental Information System)

Host Centre: Puducherry Pollution Control Committee
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EK BHARAT SHRESHTHA BHARAT


World Ocean Day, 2022

8th
June

Theme:


Revitalization: Collective Action for the Ocean

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What is World Ocean Day?

The United Nations celebrates World Ocean Day every year on 8 June. Many countries have celebrated this special day since 1992, following the United Nations Conference on Environment and Development, held in Rio de Janeiro.

World Oceans Day is 8th June

In 2008, the United Nations General Assembly decided that, as of 2009, 8th June would be designated by the United Nations as "World Oceans Day".

...for all generations

On this Day, we have an opportunity to raise global awareness of the benefits humankind derives from the ocean and our individual and collective duty to use its resources sustainably. Future generations will also depend on the oceans for their livelihoods.

...for all people

Civil society, science centers, research institutions, NGOs, businesses in the private and financial sector, communities and governments all around the world mobilize millions of people around local and global events.

...and for the planet

Together with the United Nations and our partner, we celebrate all that the ocean gives us every day: from the oxygen we breathe to the inspiration that moves our poets.

Revitalization: Collective Action for the Ocean

The ocean covers over 70% of the planet. It is our life source, supporting humanity's sustenance and that of every other organism on earth.

The ocean produces at least 50% of the planet's oxygen, it is home to most of earth's biodiversity, and is the main source of protein for more than a billion people around the world. Not to mention, the ocean is key to our economy with an estimated 40 million people being employed by ocean-based industries by 2030.

Even though all its benefits, the ocean is now in need of support.

With 90% of big fish populations depleted, and 50% of coral reefs destroyed, we are taking more from the ocean than can be replenished. We need to work together to create a new balance with the ocean that no longer depletes its bounty but instead restores its vibrancy and brings it new life.

"Revitalization: collective action for the ocean" is the theme for World Oceans Day 2022, a year framed by the UN Decade of Ocean Sciences and the celebration of the Conference of the Oceans 2022, two years after being cancelled because of the pandemic.

THE IMPORTANCE OF OUR OCEANS

OUR WORLD OCEAN provides

THE AIR WE BREATHE



>50% The ocean produces over half of the world's oxygen and stores 50 times more carbon dioxide than our atmosphere.

CLIMATE REGULATION

70% Covering 70% of the Earth's surface, the ocean transports heat from the equator to the poles, regulating our climate and weather patterns.



TRANSPORTATION



76% Percent of all U.S. trade involving some form of marine transportation.

RECREATION



From fishing to boating to kayaking and whale watching, the ocean provides us with so many unique activities.

ECONOMY



\$282 billion Amount the U.S. ocean economy produces in goods and services. Ocean-dependent businesses employ almost 3 million people.

FOOD

The ocean provides much more than just seafood. Ingredients from the sea are found in surprising foods such as peanut butter and soymilk.



MEDICINE



Many medicinal products come from the ocean, including ingredients that help fight cancer, arthritis, Alzheimer's disease, and heart disease.

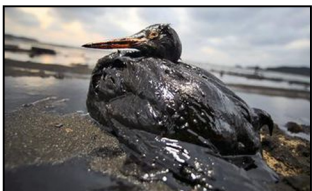
MARINE POLLUTION

Marine pollution is caused due to various reasons out of which most of the reasons are man-made. Sometimes, it causes due to wastage dumped and sometimes due to ocean mining. Whatever is the cause but the fact is that marine pollution is causing hazardous effects on marine animals and vegetation. There are various causes of marine pollution which are discussed below –



Marine pollution through sewage

Pollution directly enters the ocean in the form of sewage. Sewage enters into the ocean water through rivers and pollutes the marine life. It causes the reduction of oxygen level in the water which hampers the life of animals and plants of oceans.



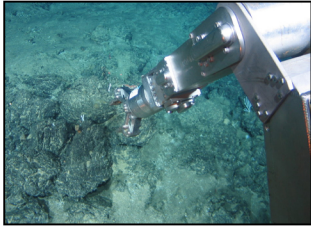
Marine pollution through the oil spill

Oil spills from ships also cause marine pollution. It is one of the major toxins that contaminate ocean water which does not clean up so easily. Oil spills lead to the death of thousands of innocent marine animals due to suffocation and toxic effects of it.



Marine pollution through industrial chemicals

Ocean pollution is also caused due to the toxins and chemicals entered into seawater through industrial & agricultural wastes. These chemical acts as heavy pollutants that cause thermal pollution. The temperature of the ocean increases due to thermal pollution. There are some animals in oceans who cannot survive in high temperature, hence they die.



Marine pollution through mining

Ocean mining not only comes under the causes of marine pollution but also causes noise pollution. Deep-sea mining affects the base level of the ocean. The pollutants that release through mining of metals such as silver, gold, copper etc. into the seawater affect the life of the marine ecosystem.



Marine Pollution through Land Runoff

Marine water also gets polluted through land runoff. It occurs when excessive water from rain, flood etc. after penetration enters into the sea water. This water enters the oceans along with contaminants such as pesticides, oil, fertilizers, waste from land animals etc. and pollutes the ocean water. These pollutants cause harmful effects to oceanic life and lead to the death of water animal & plants.

Other Causes of Marine Pollution

- **Greenhouse gases** emitted from **fossil fuel** are majorly responsible for marine pollution, causing acidification of water.
- **Atmospheric pollution** also contributes to marine pollution. For example- atmospheric carbon dioxide increases the acidity of oceanic water.
- **The nuclear wastes** from various industries pollute the marine ecology affecting the food chain of the marine ecosystem.
- **Thermal pollutants** from power plants, manufacturing industries, etc. enter into oceans, increasing the temperature of the water.
- **Acid rain** is also responsible for marine pollution.
- During **acid rains**, the sulphuric acid and nitric acid mix with marine water, increasing the acidity of the water.

Prevention of Marine Pollution

As we all know that prevention is better than cure, so we all need to work together to prevent marine pollution. Marine life is an important part of our Eco-system and it is everyone's responsibility to save marine animals and natural resources. We can make a difference working together to prevent marine pollution. Some of the important preventive measures of marine pollution have been listed below



According to the studies, almost 80% marine pollution caused due to waste from lands. We can reduce this by limiting the waste material.



Plastic bags, bottles etc. have become one of the big reasons for marine pollution. We need to stop using plastic made material to save marine life and our environment.



We all need to put efforts to clean the sea beaches. If beaches will be cleaned, marine pollution can be reduced to some extent.



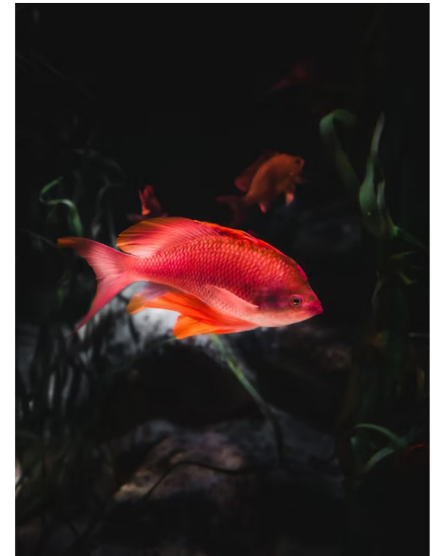
The farmers should use organic farming techniques instead of using chemical pesticides and fertilizers. When these fertilizers and pesticides entered into ocean water causes various health issues to the plants & animals of the sea.



We all need to make sure that only rainwater goes into the drainage because most of the drain water goes into oceans. If we allow sewage and waste material to get into the



Most of the rivers flow into the oceans and also the wastes get entered in the sea water. Hence we also need to take care of the cleanliness of the rivers so that it cannot contaminate the marine life.



- We should stop using single-use plastic to protect the marine ecosystem.
- Say "NO" to disposables such as straws, tumblers, plastic carry bags, etc. These items only increase the amount of waste that ultimately goes into oceans.
- Recycling helps a lot to protect ocean ecology.
- We should try to minimize energy use to reduce the oceanic temperature.
- Give preference to buy Eco-friendly products and materials.
- Spread awareness among people about the conservation and importance of the marine environment.
- You can join any organization that works for the conservation of marine culture from pollution.







