



DHANALAKSHMI SRINIVASAN ARTS AND SCIENCE (CO-ED) COLLEGE

ECR, Mamallapuram, 603 104

In Collaboration with



HAND IN HAND INDIA

Invites you for

An Inter College Symposium

ON

**“INNOVATIVE TECH SOLUTIONS
TO REDUCE MARINE PLASTIC
POLLUTION FROM LAND - BASED SOURCES”**

(Oral Presentation – PPT / Poster Presentation)

DSASC, Seminar Hall

17th FEBRUARY







SRINIVASARAO SWAMIPEYAN ARTS AND SCIENCE COLLEGE
DEPT. OF AESTHETIC, NUTRITION AND DIETETICS
ENVIRONMENTAL AND MARINE PLASTIC POLLUTION
RAW SOURCES:

COMPOSABLE PLASTICS

PLASTICS IN THE OCEAN

PLASTIC WASTE
EFFECTS ON HUMANS
EFFECTS ON ANIMALS

SRINIVASARAO SWAMIPEYAN ARTS AND SCIENCE (CO-ED) COLLEGE
OCEAN PLASTIC POLLUTION

PLASTIC WASTE
Commonly known as white pollution, it is a waste that is not biodegradable and takes a long time to decompose.

EFFECTS ON HUMANS
Plastic waste in the ocean can be harmful to humans. It can cause respiratory problems, skin irritation, and other health issues.

EFFECTS ON ANIMALS
Plastic waste in the ocean can be harmful to animals. It can cause entanglement, ingestion, and other health issues.

MICROPLASTICS
Microplastics are tiny plastic particles that result from the breakdown of larger plastic items.

RECYCLING
Recycling is the process of converting waste materials into new products and materials.

PLASTIC ALTERNATIVES
Common alternatives to plastic include glass, metal, and paper.

WE CAN'T GENERATION! ADD PLASTIC POLLUTION!

8.10.2024

DANUVA SIKHIM

THERE WILL
MORE PLASTIC
THAN FISH
IN THE OCEAN BY
2050

25.10
5.11















INNOVATIVE TECH SOLUTION TO REDUCE MARINE PLASTIC POLLUTION FROM LAND-BASED SOURCES

SAY NO TO PLASTICS



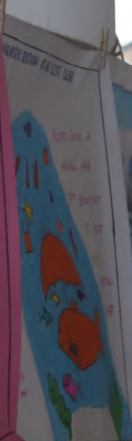
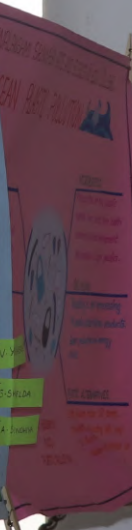
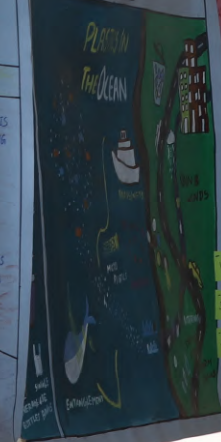
REDUCE REUSE RECYCLE

A. KAVI PRIYA
BSC. CHEMISTRY
2ND YEAR

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BAM PLASTIC



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WAVES OF CHANGE

AN INITIATIVE TOWARDS PLASTIC FREE OCEAN



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Seminar Topic :

INNOVATIVE SOLUTIONS TO REDUCE MARINE
PLASTIC WASTE FROM COASTAL WATERS

17TH FEB







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Seminar Topic :

INNOVATIVE TECHNOLOGICAL SOLUTIONS TO PLASTIC WASTE MANAGEMENT

Large Seminar Program

FEBRUARY

Man in light blue shirt, glasses, arms crossed.

Man in green shirt, glasses, arms crossed.

Woman in red and green saree, arms crossed.

Man in white shirt, tie, glasses, hands clasped.

Man in light blue shirt, glasses, hands clasped.

Table with water bottles, papers, and pens.













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WAVE OF CHANGE

TOWARDS PLASTIC FREE OCEAN

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Seminar Topic :

“ INNOVATIVE SOLUTIONS TO REDUCE MARINE
PLASTIC WASTE FROM REFINED SOURCES ”

2ND FEBRUARY



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REDUCE MARIN
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NATURE ALWAYS RETRIEVS
PROTECT THE OCEAN
RESPECT THE OCEAN
PLASTIC IS EVERYWHERE
STOP TO PLASTIC
PLANT HELP WITH PLASTIC

REDUCE MARINE PLASTIC POLLUTION

STOP TO PLASTIC

PLANT HELP WITH PLASTIC

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WAYS TO REDUCE MARINE PLASTIC POLLUTED SOURCES

DHANALAKSHMI SRINIVASAN ARTS & SCIENCE (CO-EDUCATION) COLLEGE
BSC HOME SCIENCE CND
INNOVATIVE TEACH SOLUTIONS TO REDUCE MARINE PLASTIC POLLUTION FROM LAND-BASED SOURCES

S. AKASH - B.Sc. C&T

FOR MORE INFO VISIT WWW.CND.ORG









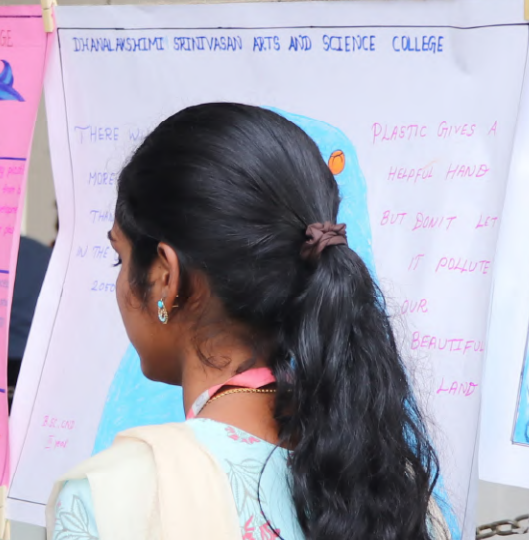
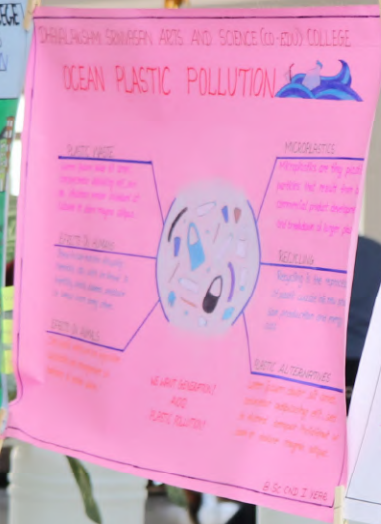
















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WAVES OF CHANGE

AN INITIATIVE TOWARDS PLASTIC FREE OCEAN

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**INNOVATIVE TECH SOLUTIONS TO REDUCE MARINE
PLASTIC POLLUTION FROM LAND-BASED SOURCES**

17th FEBRUARY 2023

Innovators are continuing to develop solutions to reduce plastic waste and keeping it out of the oceans.

1. MICROPLASTIC COLLECTION DEVICE REDUCES VEHICLE TYRE POLLUTION

Created by The Tyre Collective, the environmentally sensitive device is built 4.5m closer to the road. Microplastics collected from tyres at a significant rate, reduce an average vehicle's (11) tyre wear from 100g to 10g per year. That is because the weight of the substance in the vehicle is more than 100 times less.

The end result is fewer exhaust fumes and more microplastics, which can become airborne and pose a greater risk of a danger to human and environmental health than the emissions from a car's engine.

SOLUTION:-

- ❑ Internate and social media
 - ✓ Through the help of these platform people can connect with the worldwide and will know about the causes an can raise awareness to prevent from occurring pollution.
 - ✓ Using this people are raising founds and challenging teams to hole events across the globe.
- ❑ Satellite observation of ocean plastics
 - ✓ With the help of this advanced technology we can get rid from the worlds ocean of plastic litter.
 - ✓ They are using satellite imaging and machine learning to help cleanup and capture the fives trillion pieces of plastic.

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Date : 17TH FEB



Overview



Plastic



Magnitude of plastic



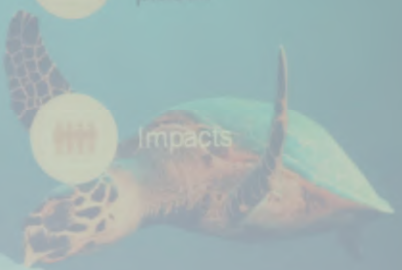
Sources



Impacts



Solutions



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MEASURES TO REDUCE MARINE POLLUTION
FROM LAND-BASED SOURCES

15TH FEBRUARY 2023





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“**USE TECH SOLUTIONS TO REDUCE MARINE
POLLUTION FROM LAND-BASED SOURCES**”

Date : 17TH FEBRUARY 2023

Another huge part of the problem is that 95% of plastic packaging is used in one-and-done products, including items such as condiment packets, food wrapping, and bubble wrap, which means that their life cycle is linear. They're produced, sold, used, and discarded with little chance of being recycled. The ultimate goal, is a circular plastics economy, one in which the need for new plastic production and the waste disposal of existing plastic decline significantly. Those changes would require dramatic drops in production and use of plastics, as well as substantial increases in reuse and recycling.





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INNOVATIVE TECH...
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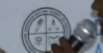
Impact on marine ECO Systems

- The most visible impact of plastic debris are the ingestion, suffocation and entanglement of hundreds of marine species.
- Marine wild such as seabirds, whales, fish and turtles mistakes plastic waste for pray.
- Most then die of starvation as their stomach become filled with plastic.

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PLASTIC WASTE ON FRESHWATER BASED ECOSYSTEMS



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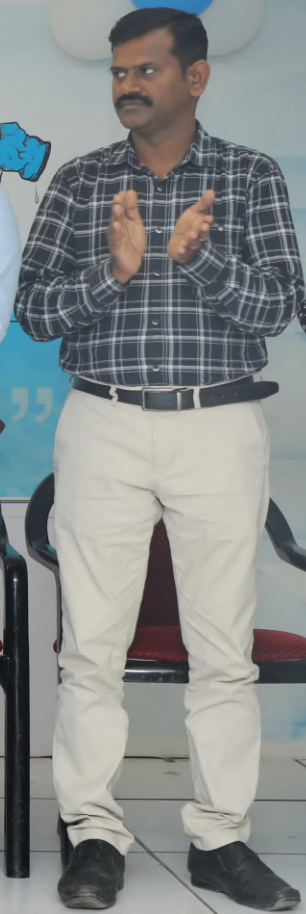
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