

UN environment

Alternative ways to #BeatPlasticPollution

Every year 13 million tonnes of plastic leak into the **ocean** harming our:

BIODIVERSITY

ECONOMIES

HEALTH

Drowning in plastic packaging

Plastic packaging accounts for 35% of plastic waste

United States, European Union and Japan are the world's largest plastic packaging producers

China is the world's largest plastic packaging consumer

Only 9% of the Indian share of plastic produced is recycled

At this rate by 2050

13 billion tonnes of plastic waste will end up in landfills and the environment

The plastic industry will demand for 35% increase in consumption

Did you know?

Biodegradable (biode only) degrades in **landfills** and not in natural environment

Bioplastic is made from plants, animals, waste, byproducts

It takes 1000 years for single-use plastic and thousands for **bioplastic**

We use one million plastic bottles per minute

Microplastics are found in

FISH

SALT

BOTTLED WATER

Alternatives to plastic

Compostable coffee cups

Julia

Milk

Wheat

Wool

Barbecue skewers

Natural polymers and organic materials that biodegrade rapidly

Paper and card

Biomass based compostable bio-polymers

STARCH

WHEAT

MAIZE

POSSO

CASSAVA

Starch based products are used to protect packaged goods in transit

Starch based material is totally compostable

NON-STARCH THERMOPLASTIC BIO-COMPOSITE

CELLULOSE (WOOD PULP)

PLANT OILS (SUNFLOWER, ALFALFA, etc.)

WAXES (CERAMIC, POLYESTER, etc.)

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Reusable objects

Re-usable coffee cups

Product dispensing systems

Metal drinking bottles

Metal food containers

Sustainable clothing using natural fabrics

Up-cycling disposable

5 Plastic alternatives

COMPOSTABLE
Natural packaging option from fungus and agricultural waste. Compostable in 90 days.

BIODEGRADABLE
Exposed with to rot in 90 days. No need to compost. No need to compost.

PLANT LEAF PLATES
For use as a plate and cutlery. Compostable in 90 days.

BIODEGRADABLE
Phosphorus based and compostable in 90 days. No need to compost. No need to compost.

BIODEGRADABLE
Have your biodegradable plates and cutlery. No need to compost. No need to compost.

What can you do?

PUT PRESSURE ON:

YOUR LOCAL GOVERNMENT
To improve waste management

RESEARCH
To fund research and development for alternatives

RESEARCH
To use agricultural and horticultural waste as a source of natural fibres and biomass to produce biopolymers

RESEARCH
To promote clear labelling of biodegradable, compostable and up-cycling

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#BeatPlasticPollution #CleanSeas