



OCEAN POLLUTION BY PLASTICS

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Annotation

Ocean pollution caused by plastics has emerged as a critical environmental issue in the modern world. Ocean pollution from plastics has become one of the most important environmental problems that humanity faces today. The combination of widespread plastic product usage together with ineffective waste management systems and excessive plastic consumption practices results in substantial amounts of plastic waste entering oceans each year. This article investigates the main origins of plastic pollution which include single-use plastics and industrial waste and improper waste disposal methods. The research investigates how these activities endanger marine ecosystems through their destruction of wildlife and their disruption of food networks and their creation of permanent environmental damage. The assessment includes both the effects on human health and the economic consequences for coastal communities. The annotation highlights possible solutions which consist of two main approaches which include decreasing plastic consumption and increasing recycling rates and creating public awareness and implementing more stringent governmental regulations. The fight against ocean plastic pollution needs international partnerships together with environmentally sustainable changes in human conduct.



Keywords: plastics, environmental problems, plastic product usage, ineffective waste management, excessive consumption, plastic waste, oceans, origins of plastic pollution, single-use plastics, industrial waste, improper waste disposal, marine ecosystems, destruction of wildlife, disruption of food chains, environmental damage, human health, economic impact, coastal communities, solutions, reducing plastic consumption, recycling, public awareness, government regulations, international cooperation, sustainable behavior.

The issue of ocean pollution through plastic materials has become one of the most critical environmental problems which modern societies face. The use of plastic materials has increased throughout the last thirty years because people consider these materials to be both inexpensive and long-lasting and useful for multiple purposes. Plastics have become essential components in everyday activities because people use them for packaging and transportation and construction and various consumer products. The environmental impact of this product has created substantial damage to our planet. The majority of plastic waste remains improperly disposed which results in its natural environment accumulation especially when it reaches the oceans. Marine environments face an escalating crisis which results from the yearly introduction of millions of tons of plastic waste into their waters because this condition disrupts ecological systems while harming human health.

The problem exists because people throw away single-use plastics which include bottles and bags and food packaging after using them for a short time. The current waste management systems in many areas fail to function properly which results in plastic waste entering rivers and waterways that connect to the oceans. The problem has worsened because urban areas have expanded and more people have moved to cities which leads to higher waste production that exceeds current waste management capacity. The ocean currents transport plastic debris over wide ocean



areas which creates massive plastic dumps that make washing operations nearly impossible.

The ocean pollution from plastic waste creates environmental effects which extend throughout the ocean ecosystem. Marine creatures frequently confuse plastic materials with their food sources, which results in various forms of harm that include starvation and death. Plastics release dangerous chemicals into water systems while they degrade into microplastic particles that enter the food chain and create health hazards for humans. Coastal communities that rely on fishing and tourism activities experience economic declines because of contaminated waters and destroyed natural habitats.

Ocean plastic pollution needs a complete solution which must be implemented through multiple organizations working together. The required efforts need to reduce plastic production and consumption while they work to enhance waste management systems and increase recycling rates and educate the public about sustainable practices. The global issue requires participation from governments and industries as well as individual citizens.

The excessive use of single-use plastics which include packaging materials and plastic bags and disposable bottles represents the main cause that drives ocean plastic pollution. The products which provide users with immediate usefulness their design leads to their disposal after a brief time period, which results in the creation of massive waste quantities. The presence of inadequate waste management systems which exist in various regions across the globe enables plastic waste to escape into natural environments. The majority of urban waste travels through rivers which serve as primary routes that lead into the ocean. Industrial operations release plastic pellets and other waste materials, which add to the existing environmental problem. Rapid urbanization together with population growth drives increased plastic



consumption which creates greater waste disposal challenges than current waste management systems can handle.

The existence of plastic waste in ocean ecosystems creates severe environmental damages which destroy entire ecosystems. Marine animals, including fish, seabirds, and turtles, often mistake plastic for food, which can lead to internal injuries, starvation, and even death. Plastic waste creates an additional danger through its ability to entangle marine animals, which leads to movement restrictions and death through choking. Plastics break down into microplastics, which exist as tiny particles that continue to exist in the environment. The ocean receives these particles, which various organisms consume, resulting in disruptions to food chains and ecological systems. The process of environmental degradation continues through time, which creates permanent ecological damage that experts find challenging to reverse.

Plastic pollution harms both marine species and human populations who depend on them. Microplastics have been found in seafood, drinking water, and even the air, raising concerns about potential health risks. Scientists continue their research yet they believe that these particles transport toxic substances which will harm human health. Local businesses and tourism activities in coastal communities experience major economic damages because polluted beaches drive away visitors. The fishing industry faces challenges from two main sources which include decreasing fish stocks and unsafe fish catches that result in financial losses and jeopardize food supply.

The solution to ocean plastic pollution needs individual efforts plus government efforts together with worldwide collaboration. The first essential step for the solution requires people to decrease both their production needs and their consumption requirements of single-use plastics. Governments need to establish more severe regulations which include product bans for specific plastic items and enhanced



systems for waste management. The reduction of waste can be achieved through two methods which involve increasing recycling rates and promoting the adoption of environmentally friendly products. Public awareness campaigns play an important role in educating people about responsible consumption and disposal habits. International cooperation exists as a necessary requirement because ocean pollution represents a worldwide problem which extends beyond national borders.

To sum up, plastic waste pollution in oceans creates an escalating environmental threat which harms both nature and human society. The extensive use of plastic products together with poor waste disposal systems and excessive consumer behavior has resulted in devastating impacts on ocean life and animal species and human health. The issue requires immediate attention because it has a direct economic effect on coastal communities. The problem requires complex solutions, yet those solutions do not need to stay permanent. The public can make progress through collective actions which include eliminating plastic consumption, developing better recycling programs, increasing public knowledge, and establishing tougher waste management regulations. Ocean plastic pollution requires international partnerships and dedication to sustainable development methods which will safeguard the planet for upcoming generations.

Reference.

<https://www.unep.org/topics/ocean-seas-and-coasts/ecosystem-degradation-pollution/plastic-pollution-marine-litter>

<https://www.noaa.gov/education/resource-collections/ocean-coasts/ocean-pollution>

<https://pmc.ncbi.nlm.nih.gov/articles/PMC7475234/>