

MOVIE RECOMMENDATION: A PLASTIC OCEAN

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Source:makingoceanplasticfree.com

A movie is an art of storytelling with action sequence widely cherished among the society for entertainment and conveying thoughts among the masses. The movie sometimes depicts the heart wrenching stories of the prevailing social causes and environmental issues. Such movies are used as political tools for cultural influencing and spreading awareness about the improvisation of the marginalized section of society. Plastic pollution is one such eminent environmental issue that is documented into movies to have real social impact.

A Plastic ocean is an adventure documentary shot on more than 20 locations from 2012 to 2016. Produced by jo Ruxton and Adam Liepzieng with executive producers Sonjia Norman and Daniel Auerbach the movie has a run time of 1 hr 40 minutes depicting the marine life and devastating effects due to accumulation of plastic debris spread across the ocean. Explorers Craig Leeson and Tanya Streeter and a team of international scientists reveal the causes and consequences of plastic pollution and share solutions.

The movie starts with an introduction to alarming conditions of one of the largest sea mammal whale , due to ingestion of cosmic amount of plastic. Tanya Streeter a sports champion dives below the Indian ocean and finds 6 m2 plastic sheet inside a whale like a bolt from a blue. The research revolves around some statistical facts about the plastic in the ocean. Of total plastic waste that goes into the landfill half of the plastic consist of single use plastic that is washed ashore. About 8 millions tonnes of plastic is dumped into the world's ocean every year and almost 50% of marine debris sink into the ocean.



Source: simacollection.com

5 Trillion fragments of microplastic are photodegraded by sunlight accompanying washes through waves and chemical degradation by salts. These microplastic have rough surface with possible threat to marine animals like toxic poison pills. Two explorers studies to find that seabirds are particularly vulnerable to this type of pollution and are widely observed to ingest floating plastic. An estimated of 90% of all sea birds has swallowed plastic at some time in their lives. Dolphin is one of those endangered species that ingest plastics in some of the immeasurable quantity. When aquatic animals like sea planktons and fin whales eat animals with microplastics a micro toxin enters the animal body which are assimilated to form phthalates a plastic derivative that can cause metabolic ,immunogenic and endocrinal disorder to further genotoxicity and cell apoptosis, resulting in the growth and development of organisms being blocked.

They also try to introduce ways to mitigate plastic pollution, plasma gasification being one of them. They focus on the reduction of the use of plastics containing leachable, BPA, and single-use plastic. The purpose of the movie is to spread awareness about plastic pollution and inculcate a sense of a sustainable marine ecosystem working toward a circular economy



Source: theconversation.com