

عنوان مقاله:

Legal Approaches and International Action to mitigate plastic pollution in marine environment

محل انتشار:

دومین همایش ملی تجهیزات و مواد آزمایشگاهی صنعت نفت ایران (سال: 1395)

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خلاصه مقاله:

The deleterious effects of plastic debris on the marine environment were reviewed by bringing together most of the literature published so far on the topic. A large number of marine species is known to be harmed and/or killed by plastic debris, which could jeopardize their survival, especially since many are already endangered by other forms of anthropogenic activities. Marine animals are mostly affected through entanglement in and ingestion of plastic litter. Other less known threats include the use of plastic debris by "invader" species and the absorption of polychlorinated biphenyls from ingested plastics. Less conspicuous forms, such as plastic pellets and "scrubbers" are also hazardous. To address the problem of plastic debris in the oceans is a difficult task, and a variety of approaches are urgently required. Some of the ways to mitigate the problem are discussed. It is widely documented that marine debris is detrimental to the marine ecological environment. While there are various sources of marine debris, that generated by ships constitutes a significant proportion. Annex V of MARPOL 73/78 is to regulate the discharge of garbage from ships; in particular, it prohibits all kinds of plastics from being discharged into ocean.

کلمات کلیدی:

Plastic debris; Pollution; Marine environment

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