

عنوان مقاله:

Chemical Review ballast water of a port to enable effective ballast water management and environmental studies

محل انتشار:

اولین کنگره بین المللی شیمی و نانو شیمی از پژوهش تا فناوری (سال: 1397)

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خلاصه مقاله:

Hazard for the world's oceans, along with onshore sources of contamination, overexploitation of marine resources and the physical alteration or the destruction of marine habitats, causing severe social, environmental and economic impacts. According to IMO data, approximately 15% of nonindigenous species are known to cause disorders with major ecological and/or economic impacts. Besides that it can be a threat to the public health once alien species may act as a mean of spreading diseases. for this purpose, ballast water discharge assessments need to be conducted. In this paper shows methods and goals which can be used to assess volumes and donor ports of ballast water discharges for a port at the level of each vessel call. In these methods can be applied to any port to support the implementation of efficient ballast water management measures and to enable environmental studies, as well as for discharges of other chemical compounds.

کلمات کلیدی:

Ballast water, BWM, Material

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