

## **Increasing Abundance of Jellyfish in the Shorelines of Bangladesh: Analyzing the Policy Framework for Facing the Challenges**

**Authors :** Md Mizanur Rahman, M. Aslam Alam, Muhammad Abu Yusuf

**Abstract :** The abundance of Jellyfish across the coasts of the Bay of Bengal is increasing sharply due to marine pollution, increased sea acidification and climate change. Jellyfish draws our attention to address the local and global stressors. This also indicates that something wrong is happening in this bay behind the scenes. This study aimed to investigate how the policy framework governing the sea can be reformed. To do so, this study evaluated the existing policy, regulatory and institutional framework. Empirical data were collected from the middle coastal zone of Bangladesh. The secondary literature on policy, legal documents, and institutional arrangements were reviewed. The causes of poor coordination among different public sectors and non-compliance of laws were identified. The key findings show that despite the existing of Department of Environment, poor coordination with other departments, and lack of logistics and technical staffs have resulted in severe marine pollution and degradation of coastal and marine living resources. The existing policies had no monitoring and evaluation mechanisms. Non-compliance of the existing laws has been fueling the problems. This study provides an integrated policy and a guideline for updating the legal and institutional mechanism to manage coastal and marine living resources sustainably in Bangladesh to achieve Sustainable Development Goal 14.

**Keywords :** legal, institutional, framework, jellyfish

**Conference Title :** ICCPEM 2019 : International Conference on Coastal Processes and Erosion Modeling

**Conference Location :** Venice, Italy

**Conference Dates :** April 11-12, 2019