

**Climate change & pollutants- a significant threat to marine biota and seafood  
Research findings published in "Marine Pollution Bulletin" (June 2021)  
Golam Kibria, Ph.D**

**Summary:** Seafood (prawns/shrimps, crabs, oysters, clams, mussels, fish) are a source of protein, vitamins (B6, B12), omega-3 fatty acids, income (employment), export (foreign exchange earnings), and support livelihoods of coastal people across the globe.

The combined effects of *climate change* (temperature, ocean acidification, sea-level rise, and hypoxia) and *pollutants* (persistent organic pollutants (POPs), heavy metals, pesticides, pharmaceuticals, surfactants, flame retardants-PBDEs) would exacerbate global pollution problems and can pose significant threats and risks to the following sectors:

- aquatic ecosystems, estuarine and marine biota,
- seafood,
- people depending on seafood for animal protein supply,
- livelihoods of people, and
- marine export business.

Implementation of several sustainable development goals will be required to reduce greenhouse gas emissions in the atmosphere that causes climate change in one hand. In parallel, efforts are also required to minimise pollutants' loads in the environment.

**Authors:** Kibria et al., 2021. Marine Pollution Bulletin, 167(6):16p (June 2021)

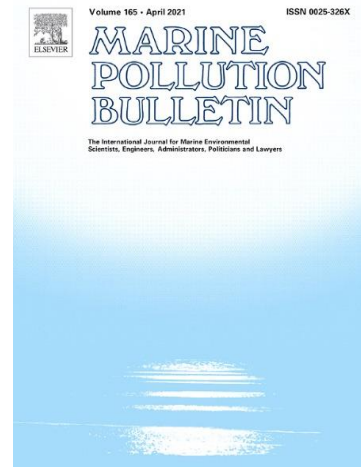
**Weblinks:** Pls click on the below weblinks to access (30 days free access)

**Weblink 1**

[https://www.researchgate.net/publication/351152004\\_Climate\\_change\\_impacts\\_on\\_pollutants\\_mobilization\\_and\\_interactive\\_effects\\_of\\_climate\\_change\\_and\\_pollutants\\_on\\_toxicity\\_and\\_bioaccumulation\\_of\\_pollutants\\_in\\_estuarine\\_and\\_marine\\_biota\\_and\\_linkage\\_to\\_seafood\\_security](https://www.researchgate.net/publication/351152004_Climate_change_impacts_on_pollutants_mobilization_and_interactive_effects_of_climate_change_and_pollutants_on_toxicity_and_bioaccumulation_of_pollutants_in_estuarine_and_marine_biota_and_linkage_to_seafood_security)

**Weblink 2**

<https://authors.elsevier.com/a/1c%7EYD,ash%7EQpE>



Marine Pollution Bulletin   Supports open access		Submit your article ↗
Articles & Issues ▾	About ▾	Publish ▾
Search in this journal		Guide for authors ↗
Actions for selected articles Select all / Deselect all	Climate change impacts on pollutants mobilization and interactive effects of climate change and pollutants on toxicity and bioaccumulation of pollutants in estuarine and marine biota and linkage to seafood security	