

The tide which produces a fluorescent blue hue along the coasts of various parts of world is called blue tide.

Unlike Red tide which occurs due to excessive algal bloom, blue tide is an anticipatory response by marine organisms like algae, phytoplankton or bacteria, who emit blue light through a chemical reactions for various reasons such as :-

(i) To divert predators to safe themselves.

(ii) To build a community relation.

Though the event is an annual phenomenon and occurs in months of November - December in places like

Juhu beach, malda coast etc, experts have different opinion regarding this.

(i) Recent occurrence of Noctelina scientillans has displaced the local plankton.

(ii) This can reduce the fish production due to hypoxia or dead zones.

experts argue that, though limited blue tide is harm less, the intensity is due to climate change, pollution & eutrophication etc.

A better study by zoologists and scientists can predict the season, treat and mitigation strategy of blue tide.