

***Interactive comment on “A study on distribution of chlorophyll- $\vec{a}$  in the coastal waters of Anzali Port, south Caspian Sea” by S. Jamshidi and N. Bin Abu Bakar***

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Dear Professor We would like to thank you for your helpful comments. In order to prepare a qualified paper we try to do your comments in the manuscript. - The structure of the text will be edited prior to submission. - The discussion on levels of chlorophyll concentrations and its effects on the marine environment, and relation between chlorophyll-a concentration and phytoplankton biomass will be re-arranged. - We re-structure the results section and present statistical analysis including average values  $\pm$  standard deviation on chlorophyll concentrations for various levels of water column, and also minimum and maximum concentrations for each transect. - As you suggest,

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we provide a table that lists the stations sampled, sea surface temperature, mixed layer depth, depth of the subsurface chlorophyll maximum and surface and subsurface chlorophyll concentrations. - We will provide a literature on circulation in the southern Caspian Sea, and dynamics in the southern shelf. - Based on collected data and measurements through the previous anomalous algal blooms in the southern basin of the Caspian Sea, a range and threshold of chlorophyll-a concentrations will be presented as an idea for future oceanographic monitoring in coastal areas.

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