

# **Comparison of chlorophyll concentration in the Bay of Bengal and Arabian Sea using IRS-P4 Ocean Color Monitor**

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Ocean Color Monitor (OCM) on board the Indian Remote Sensing Satellite IRS-P4 has been used to retrieve chlorophyll concentration in the Bay of Bengal and Arabian Sea using a bio-optical algorithm. Cloud masking and atmospheric corrections have been performed before applying mapping function to derive chlorophyll concentration. We have retrieved chlorophyll concentration during summer and winter season along the eastern and western coast of India at every 1 degree latitude at three locations (25, 50 and 100km) away from coast as well as near river mouths for the period 2000-2004. Comparison of OCM derived chlorophyll concentration with that from other satellite chlorophyll products (MODIS) will be presented and seasonal dynamics of chlorophyll concentration in the Bay of Bengal and Arabian Sea will be discussed in detail.