

EUTROPHICATION ASSESSMENT IN THE AEGEAN SEA BASED ON SATELLITE DATA

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ABSTRACT

Study of the spatio-temporal distribution of the chlorophyll-like pigment concentrations and the trophic levels in the Aegean Sea was based on a two-year satellite dataset of the Coastal Zone Color Scanner (NIMBUS 7 - CZCS) sensor, with a spatial resolution of 1 km² and an approximately monthly frequency. The produced thematic maps of the pigments spatial distribution were transformed into eutrophication maps using a scale developed especially for the characterisation of the water trophic levels of the Aegean Sea. The results confirmed the oligotrophic state in the Aegean Sea with the eutrophic areas limited in its North and Northwest coastal waters.