

**HYDROCARBONS, PESTICIDES AND PCBs IN SEDIMENTS FROM
THERMAIKOS GULF**

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ABSTRACT

This study investigates the magnitude and distribution of various organic contaminants in surface sediments and sediment cores from Thermaikos gulf. The concentrations of herbicides were low in surface sediments and undetectable in subsurface samples. The organochlorine insecticides composition dominated by DDT and its metabolites. The PCBs concentrations showed similar spatial distribution to that of DDTs, with the greater concentrations found near the city of Thessaloniki. There was no evidence of recent DDT inputs in Thermaikos gulf. Petroleum-related hydrocarbons were dominant in surface sediments, while were still detected till about 1m depth.