

LEVELS OF CHLORINATED COMPOUNDS IN MARINE ORGANISMS FROM GREEK WATERS

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ABSTRACT

The levels and temporal trends of organochlorine compounds (DDTs and PCBs) were investigated in three edible marine organisms collected from different locations in Greece during 1996-2000. In the mussel samples (*Mytilus galloprovincialis*) the highest concentrations of the DDTs were measured in Amvrakikos gulf while the highest PCB values were recorded in Saronikos gulf. In the fish samples no significant variation between the eight regions examined was observed, but for all the areas and for both DDTs and PCBs the concentrations measured in the red mullets *Mullus barbatus* were clearly higher than those in the bogues *Boops boops*. No statistically important differences were found during the five years of the survey, but comparing these results with those of previous years (1988-1995) a slightly decreasing trend pattern was detected in all the sampling stations.