

**THE DISTRIBUTION OF COPPER IN SARONICOS GULF AFTER THE
OPERATION OF THE WASTEWATER TREATMENT PLANT OF PSITALIA**

**M. DASSENAKIS, M. SCULLOS, K. RAPTI, A. PAVLIDOU, D.TSOROVA,
V.PARASKEVOPOULOU, E.ROZI, A.STAMATELI, M.SIGANOS**

University of Athens, Department of Chemistry, Section III
Panepistimiopolis, 15771 Athens, Greece

ABSTRACT

The wastewater treatment plant of Psitalia affected the distribution of pollutants in Saronicos gulf. The comparison of concentrations of dissolved and particulate Cu during 1993, 1994, 1998, and 1999 revealed that some changes in the distributions of Cu occurred after the operation of the plant but not any significant reducing trend. The study of sediment cores indicated an increasing trend in Cu values near the new outfall pipe and a decreasing one near the old central sewage outfall.