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Polychlorinated biphenyls and chlorinated pesticides in sediments along the semiclosed areas of Alexandria, Egypt

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The residues of 19 EPA-organochlorine pollutants were analyzed in sediments collected from 49 different locations along the semi-closed areas of Alexandria, Egypt. The pollutants studied were 7 individual polychlorinatedbiphenyl (PCB) congeners, a,ß,γhexachlorocyclohexane (HCHs), cyclodienes (aldrin, endrin, dieldrin) and dichlorodiphenyltri-chloroethanes (DDTs) (o,p-DDE, p,p-DDE, o,p-DDD, p,p-DDD, o,pDDT, p,p-DDT). The concentration of total DDTs ranged between ND and 123.76 ng.g-1 (dry wt) whereas the concentration of PCBs, HCHs and cyclodienes ranged from ND to 192.24 ng.g-1; ND to 20.78 ng.g-1 and ND to 8.04 ng.g-1 dry wt, respectively. The average total organic carbon (TOC) percent was varied from 0.04 to 7.65%.

Biography

Islam Mohamed Othman Radwan has completed his Master Degree at the age of 25 years from Alexandria University. He is Assistant researcher in The National Institute of Oceanography and Fisheries at Alexandria, Egypt. He published his study. I speak English but my mother tongue is Arabic.

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