

Radionuclide Determination Study for Some Fish Species in Kuwait

Authors : Ahmad Almutairi

Abstract : Kuwait lies to the northwest of the Arabian Gulf. The levels of radionuclides are unknown in this area. Radionuclide like ^{210}Po , ^{226}Ra , and ^{90}Sr accumulated in certain body tissues and bones, relate primarily to dietary uptake and inhalation. A large fraction of radiation exposure experienced by individuals comes from food chain transfer. In this study, some types of Kuwait fish were studied for radionuclide determination. These fish were taken from the Kuwaiti water territory during May. The study is to determine the radiation exposure for ^{210}Po in some fish species in Kuwait the ^{210}Po concentration was found to be between 0.089 and 2.544 Bq/kg the highs was in Zubaidy and the lowest was in Hamour.

Keywords : the radionuclide, radiation exposure, fish species, Zubaida, Hamour

Conference Title : ICCPHA 2018 : International Conference on Coastal Processes and Human Activity

Conference Location : London, United Kingdom

Conference Dates : April 24-25, 2018