



## Measurement of Radioactive Materials in Muscle of *Liza Aurata* in South Coasts of Caspian Sea

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### Abstract

The cesium-137 is one of the fission fragments from fissionable nuclides U-235, about 30/17 years half-life, can be exposed to dangerous environmental beings to 300 years. After Chernobyl accident a high concentration of radioactive pollutants especially Cs-137 was diffused in different areas. Since Iran is very close to accident area, it is necessary to study the contamination in its environment. The research covers sample from muscle of *Liza aurata* to investigate Cs-137 of regions east and middle in Caspian Sea. The measurement of activity of Cs-137 was carried out by using of Gamma spectrometry. The results show that muscle of *Liza aurata* have not pollutant to Cs-137.

**Keywords:** Cs-137, radioactive, *Liza aurata*, Gama spectrometry.