

# of the Anthropogenic Radionuclides Cs-137 and Cs-134 Detected by the International Monitoring System

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Anthropogenic radionuclides have been injected into the atmosphere by nuclear weapon programmes, nuclear weapons testing, nuclear power plants and uranium mining. In this work, we considered the activity concentrations of anthropogenic radionuclides (Cs-137 and Cs-134) detected in the International Monitoring System (IMS) from January 2021 to December 2021. The main objective is to determine the activity concentrations of anthropogenic radionuclides, classify the IMS (radionuclide) according to the radioelement mapping and establish radioactivity levels in the IMS (radionuclide) as well as radiological risk assessment by using Monte Carlo simulation.

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## Promotional text

Anthropogenic radionuclides, IMS Data

## Oral preference format

in-person

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