

## EXPERIENCES IN THE DETERMINATION OF $^{226}\text{Ra}$ IN ENVIRONMENTAL SAMPLES

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In this paper we will summarise our experience during the last fifteen years in the determination of  $^{226}\text{Ra}$  in environmental samples. We will show, compare and validate the different methods developed and/or used by us for the determination of  $^{226}\text{Ra}$  in waters using either proportional counters or the liquid scintillation technique, as well as the methods used for its determination in soils, sediments and vegetation applying either gamma-ray spectrometry with semiconductor Ge-detectors or the alpha-particle spectrometry technique.