

A Comparison Between ^{210}Pb and ^{210}Po activity concentration on Sediment Dating

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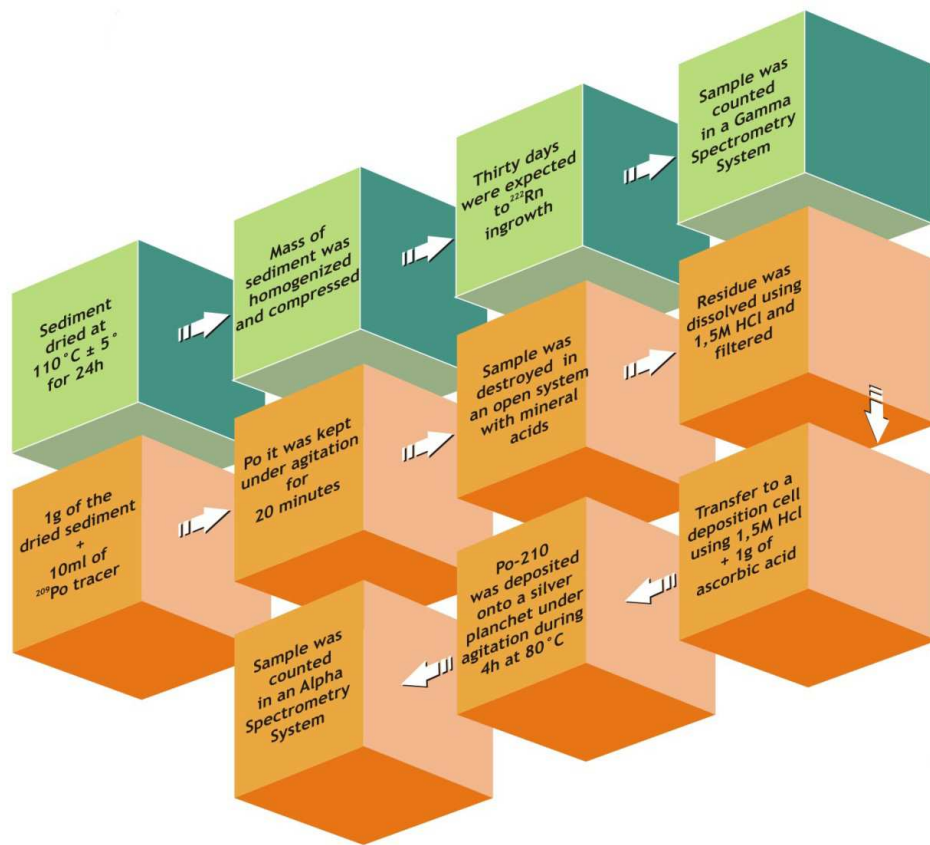
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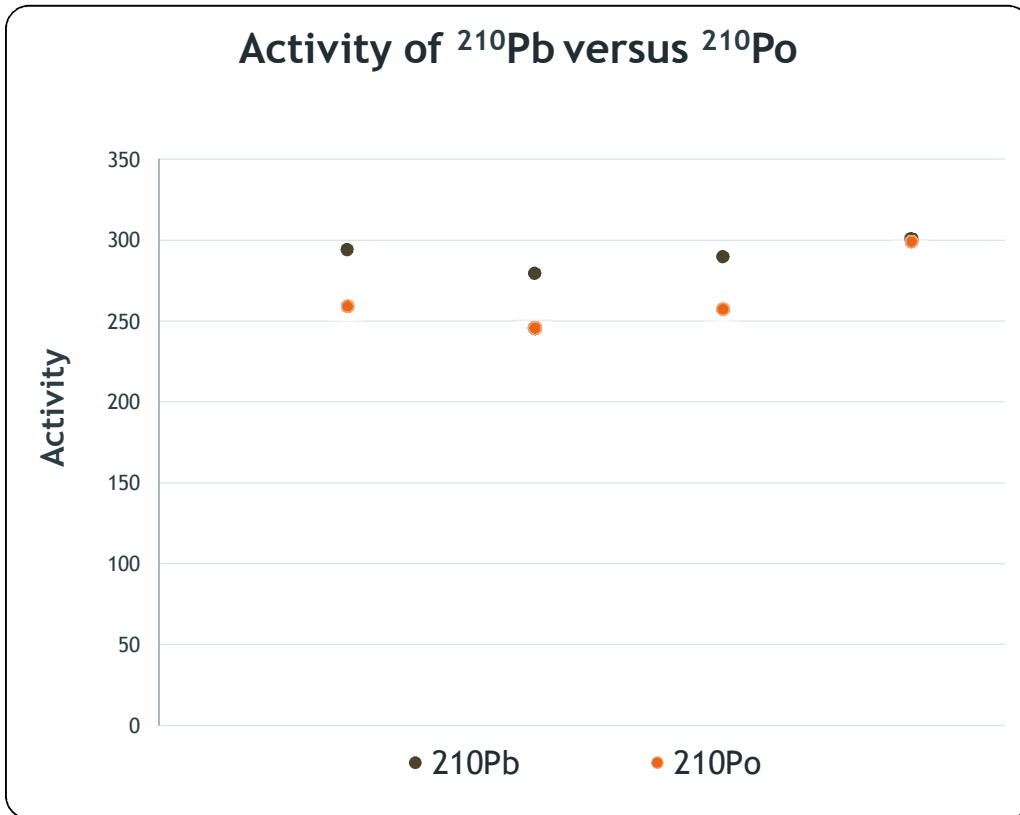
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Objectives and Methodology

- ▶ The aim of this work is to compare both radionuclides activity concentration, in lakes sediments cores to evaluate the use of ^{210}Po in dating of locals with low levels of ^{210}Pb .



Summary of Results



- ▶ These values obtained was considered satisfactory and corroborate the relationship of radioactive equilibrium between ^{210}Pb and its granddaughter ^{210}Po , proving the existence of chemical balance.
- ▶ Once they are in chemical balance both can be used in sediment dating.