

**COMPARATIVE MEASUREMENTS OF THE RADIOCARBON
CONCENTRATION IN THE CENTER OF ATHENS AND IN THE
COUNTRYSIDE**

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ABSTRACT

The ^{14}C concentration in the atmosphere had a constant value until 1950. The nuclear tests during the 60s almost doubled this value. On the other hand, the CO_2 production by the combustion of coal deposits, oil and natural gas reduces the ^{14}C concentration. In this work, we present the measurements of this concentration in the center of Athens as well as in other regions with no pollution.