

Luminescent dating of ancient objects found by archaeologists needs to take into account the gamma-ray dose debit resulting from the natural radioactive series in order to determine the age of the artifacts. In countries like Ukraine, Romania, Poland, Sweden, which have been severely affected by the radioactive contamination resulting from Chernobyl, it seems justified to ask if the artificial contribution does affect the results. Samples from the southern Romanian region were analyzed in order to obtain a straight answer. The first results are presented.