

ASSESSMENT OF RADON GAS CONCENTRATIONS LEVELS AND HAZARDS INDICES IN HOUSES OF WASSIT PROVINCE-IRAQ

In this work a set of indoor Rn-222 measurements have been carried out in various houses in Wassit province. Rn-222 concentrations were the measurement by using rad-7 detector. The results show that, the highest Rn-222 concentration in indoor houses was found in Nuamaniya district which was (121 Bq/m^3), while the lowest Rn-222 concentration was found in Badra district which was (49 Bq/m^3), which is less than the recommended range ($200\text{-}300 \text{ Bq/m}^3$), the hazard indices values were lower than the permissibility limit value.