

# Turkish Journal of Physics

Turkish Journal

of  
Physics


Factors Affecting Radon Concentration in Houses

A. AL-SHARIF

Department of Physics, University of Qatar,  
Doha-QATAR

Y. S. ABDELRAHMAN

Ministry of High Education, Education College,  
Nazwa-Sultanate of Oman

 [Keywords](#)  
 [Authors](#)



[phys@tubitak.gov.tr](mailto:phys@tubitak.gov.tr)

[Scientific Journals Home](#)  
[Page](#)

**Abstract:** The dangers to the human health upon exposure to radon and its daughter products is the main motivation behind the vast number of studies performed to find the concentration of radon in our living environment, including our houses. The presence of radon and its daughter products in houses are due to various sources including building materials and the soil under the houses. Many factors affect radon concentration in our houses, the elevation above ground level, ventilation, building materials and room usage being among these factors. In our paper, we discuss the effect of elevation above ground level, room usage and ventilation on the Radon concentration in houses. The faculty residences of the Mu'tah University (Jordan) were chosen in our study. Our results showed that the concentration of radon decreases with elevation. Ventilation rate was also found to affect radon concentration, where low concentrations observed for areas with good ventilation.

---

Turk. J. Phys., **25**, (2001), 153-158.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Phys., vol.25, iss.2.](#)