

Study of Indoor Radon, Thoron and Associated Health Risk in Chamba Region, Himachal Pradesh, India

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Abstract

Humans are everywhere exposed to radon, thoron & their daughter products. The major source of exposure consists of radon and its decay products in domestic housing. The main objective of the present study is to examine the indoor radon, thoron and their progeny concentration levels in dwellings of the study regions and their associated health risk assessment for inhabitants. Since indoor radon and thoron levels often vary more than an order of magnitude over a period of a few hours, the use of long-term integrated track etch detectors, known as Solid State Nuclear Detectors (SSNTDs) in determining average indoor radon and thoron levels is preferred & utilized in present study.

Keywords

SSNTDs, Health Risk, Indoor Radon, Thoron