



## Measurement of Radon and Thoron progeny concentration in some dwellings of Nagaland state - an initial report

D. Sinha<sup>1\*</sup>, U.B. Sinha<sup>1</sup>, D. Kibami<sup>1,2</sup>, C. Pongener<sup>1</sup>, R. Mishra<sup>3</sup>, R. Prajith<sup>3</sup> and Y. S. Mayya<sup>3</sup>

1. Department of Chemistry, Nagaland University, Lumami-798627, Nagaland, **INDIA**

2. Department of Chemistry F.A. College, Mokokchung-798601, Nagaland, **INDIA**

3. Radiological Physics and Advisory Division, Bhabha Atomic Research Centre, Mumbai, **INDIA**

Email: [dipaksinha@gmail.com](mailto:dipaksinha@gmail.com), [rosaline.mishra@gmail.com](mailto:rosaline.mishra@gmail.com)

Received on 28<sup>th</sup> May and finalized on 15<sup>th</sup> June 2013.

---

### ABSTRACT

*Measurement of Radon and Thoron progeny concentrations using direct Radon/Thoron progeny sensor are made in some dwellings in the state of Nagaland, India. The measurement shows that the mean Radon progeny concentration ranges in between 1.85 Bq/m<sup>3</sup> to 10.68 Bq/m<sup>3</sup> and for thoron progeny, the concentration varies in the range 0.06 Bq/m<sup>3</sup> to 2.67 Bq/m<sup>3</sup>.*

**Keywords:** Radon, Thoron, DTPS, DRPS.

---