DECLARATION

The work presented in the thesis has been carried out by me under the guidance of Dr. U. C. Mishra, Head, Air Monitoring Section of Division of Radiological Protection, Bhabha Atomic Research Centre, Bombay. The contents of the thesis, observations and conclusions are based on the studies conducted by me. They are original in nature and have been designed and the results interpreted entirely by me; the help rendered by colleagues whose names appear as co-authors in certain publications is acknowledged with gratitude here.

The work reported here has not been submitted in part or in full for any degree or diploma of any University.

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