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## **ASSESSMENT OF NUCLEAR TRACK DETECTORS EXPOSURE IN SCHOOLS OF BANJA LUKA CITY, REPUBLIC OF SRPSKA**

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Indoor radon, thoron and their decay products concentration measurements were performed in 25 primary schools in Banja Luka city region, the capital of Republic of Srpska. Studies have been carried out in the period from April 2011 to May 2012 using 4 different passive radon (CR 39, LR115) and thoron (CR39, LR115) detectors. Detailed statistical analysis of radon and thoron and their progeny concentration distribution considering geological position, type of detector, measuring uncertainty, indoor position of the detectors and building material is given. Elevated levels of radon concentration ( $>400$  Bq m<sup>-3</sup>) were found only in a few schools.

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