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# The Nature of Soil High Radioactivity in Chinese Province Guangdong

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The Nature of Soil High Radioactivity in Chinese Province Guangdong
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The article deals with the dates of complex methods analysis of soil in the South-Chinese Province Guangdong. Content of Th in soil amounts 43.6 g/t, but U-9.2 g/t . Particular attention is drawn by its high concentration in the rare earth soil ($\sum$ TR = 134.5 g/t), particularly Ce and Nd. As a result of research has been stated that highly radioactive soil of China had been formed due to deep chemical weathering of highly radioactive potassium granites. High uranium and thorium contents in them are conditioned by specific conditions of weathering crust formation and subsequent pedogenesis. The elevated concentration of radioactive and rare-earth elements in the studied soil is likely to be characterized as “ionic” ore type occurring in the territory of China.