



Mgr. Petr Otáhal, Ph.D.

Born in 1980, graduated as MSc. at the Faculty of Science, Masaryk University in Brno in the field of Geology, Hydrology and Geochemistry in 2006. In 2006, he received Ph.D. degree at the Czech Technical University in Prague, Faculty of Nuclear Science and Physical Engineering.

Formerly research worker in the National Institution for NBC Protection, now he is a Head of the Nuclear Protection Department in the National Institution for NBC Protection responsible for preparation, administration, management and results presentation of research project, management of the dosimetry service for the uranium miners, environmental monitoring around former uranium mines and production of Solid State Nuclear Track Detectors for the Czech Radon Program. He is a member of the European Radon Association, of the European NORM Association, of the Czech Aerosol Society and of the Czech Society for Protection against Ionizing Radiation.

Expert activities:

He has a lot of experience from different international training courses and projects. He completed Interregional training course on planning and implementation of nuclear facility decommissioning and remediation of radioactively contaminated sites (IAEA training course held in Argonne, USA, 2018), Mining of Nuclear Raw Materials (IAEA fellowship in Australia, 2015), National Workshop on Radiological Crime Scene Management (a cooperative program of the IAEA and INTERPOL, 2013). He has got Technical certificate for work position: Head of the Authorized Metrologic Center for metrology of radon concentration in air and water and metrology of equivalent equilibrium radon concentration (Czech Metrology Institute), Special professional competence to perform activities especially important for radiation protection granted by the State Office for Nuclear Safety.

Selected publications:

Otahal, P. PS.; Burian I. (2020): Remarks to history of radon activity concentration metrology, *Nukleonika*, NUKLEONIKA 2020;65(1):45-49, doi: 10.2478/nuka-2020-0006.

Fialova E.; Otahal, P. PS.; Vosahlik, J.; Mazanova, M. (2020): Equipment for Testing Measuring Devices at a Low-Level Radon Activity Concentration, *Int. J. Environ. Res. Public Health* 2020, 17(6), 1904; <https://doi.org/10.3390/ijerph17061904>.

Serfozo, N.; Ondracek, J.; Otahal, P. PS.; Lazaridis, M.; Zdimal, V. (2017): Manikin-based size-resolved penetrations of CE-marked filtering facepiece respirators, *Journal of Occupational and Environmental Hygiene*, Volume 14, 2017 - Issue 12, <https://doi.org/10.1080/15459624.2017.1358816>.

Burian I.; Merta, J.; Otahal, P. PS (2015): *Radon: Geology, Environmental Impact and Toxicity Concerns*, NOVA Science Publishers, 2015, ISBN: 978-1-63463-742-8

Kozlovska, M.; Cerny, R.; OTAHAL, P. (2015): Attenuation of X and Gamma Rays in Personal Radiation Shielding Protective Clothing. *Health Physics*. November 2015. Vol. 109 - Issue 3: p S205–S211. doi: 10.1097/HP.0000000000000361.

Otahal, P.; Burian, I.; Nasir, M. M.; Gregor Z. (2014): Radon contribution to the total effective dose of uranium miners. *Radiation Protection Dosimetry*. 2014-07-22, vol. 160, 1-3, s. 117-119. DOI: 10.1093/rpd/ncu 065.