



## Curriculum Vitae

### Annamária Pántya

#### PERSONAL DATA

Place and date of birth Kazincbarcika, 14.12.1988.  
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#### EDUCATION

**PhD, Doctoral school of Physical Sciences** **2017-**  
Budapest University of Technology and Economics  
Title of PhD thesis: Improvement of methods used in the  
internal dosimetry

**Physicist, MSc,** **2014-2016**  
Budapest University of Technology and Economics  
Title of MSc thesis: Determination of internal radiation  
exposure using a whole-body counter

**Physicist, BSc** **2007-2011**  
Budapest University of Technology and Economics  
Title of BSc thesis: Optimisation of alpha spectrometer  
operating parameters

#### WORK EXPERIENCE

Centre for Energy Research, **2015-**  
Radiation Protection Department,  
Physicist

#### PROFESSIONAL SKILLS

Whole-, and part of body measurements, calibration of measuring equipment,  
Determination of activity concentrations of biological samples by gamma  
spectroscopy and liquid scintillation method,  
Dose estimation in case of radiation exposure,  
Determination of the uncertainty of internal dosimetry.

#### PUBLICATIONS

**A. Pántya**, P. Zagyvai, A. Remeli, L. Tyukodi, T. Pázmándi, "Dose assessment with  
different methods after exposure to  $^{14}\text{C}$ -labelled compounds", Radiation  
Protection Dosimetry, vol. 197 (2), pp. 78-88, 2021.  
<https://doi.org/10.1093/rpd/ncab162>

D. Broggio, S. Baudé, A. Belchior, V. Berkovskyy, Y. Bonchuck, J. Dewoghélaere, G. Etherington, P. Fojtik, D. Franck, J. M. Gomez-Ros, D. Gregoratto, J. Helebrant, G. Hériard Dubreuil, J. Hulka, M. Isaksson, A. Kocsonya, A. L. Lebecq, I. Liktarev, P. Lombardo, M. A. Lopez, I. Malatova, J. W. Marsh, O. Monterio Dil, M. Moraleda, J. F. Navarro, J. Osko, **A. Pántya**, T. Pázmándi, B. Perez, V. Pspisil, G. Ratia, M. A. Saizu, P. Szántó, P. Teles, K. Tyminska, F. Vanhavere, P. Vaz, T. Vrba, I. Vu, M. Youngman, P. Zagyvai. “*Child and adult thyroid monitoring after a reactor accident (CATHyMARA): Technical recommendations and remaining gaps*”, Radiations Measurements, vol. 128, p 106069, 2019, <https://doi.org/10.1016/j.radmeas.2019.02.008>

A. L. Lebacq, M. A. Saizu, M. Takahashi, M. Isaksson, B. Bravo, J. Brose, L. Csizmadia, P. Fojtik, J. Kövendiné Kónyi, G. Lünendonk, O. Meisenberg, N. Mosimann, J. Osko, **A. Pántya**, D. Saurat, G. Taba, T. Torvela, Z. Vagfoldi, I. Vilardi, I. Vu, M. Youngman, P. Zoriy, T. Beaumont, D. Franck, D. Broggio, “*European intercomparison on the measurement of I-131 in thyroid of adults and children*”, Radiation Measurements, vol. 129, p 106178, 2019, <https://doi.org/10.1016/j.radmeas.2019.106178>

**A. Pántya**, Á. Dálnoki, A. R. Imre, P. Zagyvai, T. Pázmándi, “*Tritium internal dose estimation from measurement with liquid scintillators*”, Applied Radiation and Isotopes, vol. 137, pp. 18-22, 2018. <https://doi.org/10.1016/j.apradiso.2018.02.031>

**A. Pántya**, A. Andrási, T. Pázmándi, P. Zagyvai, “*Pajzsmirigy dózis meghatározása baleseti helyzetben*”, Sugárvédelem Online, vol. X, no. 1, pp. 67-74, 2017. [http://www.sugarvedelem.hu/sugarvedelem/docs/V10i1/Pan\\_V10i1.pdf](http://www.sugarvedelem.hu/sugarvedelem/docs/V10i1/Pan_V10i1.pdf)

T. Pázmándi, A. Andrási, I. Fehér, A. Kocsonya, **A. Pántya**, P. Zagyvai, “*Calibration of a whole body counter for <sup>241</sup>Am with the LLNL chest phantom*”, Radiation Protection Dosimetry, vol. 170 (1-4), p. 225-230, 2016, <https://doi.org/10.1093/rpd/ncv400>.

## LANGUAGE

Angol- középfok (B2)

**SKILLS**

Advanced knowledge of radiation protection  
Office, R-Studio, LATEX

**MEMBERSHIPS**

Roland Eötvös Physics Society, Health Physics Section  
European Radiation Dosimetry Group (EURADOS), Internal  
Dosimetry Working group (WG7)

**AWARDS**

EURADOS Young Scientist Grant

**2017**