



**Name and surname:**

*Vladimir Udovičić*

**Date and place of birth:**

*29.05.1965, Belgrade, Serbia*

**Education:**

- 1995. B. Sc., Faculty of Physics, University of Belgrade*
- 1999. M. Sc., Faculty of Physics, University of Belgrade*
- 2006. Ph. D. Faculty of Physics, University of Belgrade:*

**“YIELDS FROM NUCLEAR REACTIONS OF LIGHT IONS IN THE PLASMA GENERATED BY PULSE ELECTRICAL DISCHARGES”**

**Jobs:**

- From 08.01.1996. permanently employed in the Institute of Physics, University of Belgrade.*
- From the beginning of the career he worked on the National projects of the Ministry of Science, Republic of Serbia.*
- Currently, he participating in two projects of the Ministry of Science and Technology, Republic of Serbia:*
  - Fundamental research, project number **171002: NUCLEAR METHODS OF RESEARCH OF THE RARE PROCESSES AND COSMIC RAYS,***
  - Integrated and multidisciplinary research, project number **43002: BIOSENSING TECHNOLOGY AND GLOBAL SYSTEM FOR THE CONTINUOUS RESEARCH AND INTEGRATED MANAGEMENT OF THE ECOSYSTEMS***
- From May 2013. Chairman of the board of Serbian Radiation Protection and Nuclear Safety Agency*

### Academic research positions:

- 1996. Research Trainee, Institute of Physics, University of Belgrade.
- 2000. Research Assistant, Institute of Physics, University of Belgrade.
- 2007. Research Associate, Institute of Physics, University of Belgrade.
- 2012. Senior Research Associate, Institute of Physics, University of Belgrade.

### Research work:

- Research interest: Light-ion induced nuclear reactions obtained by electrical discharges; Low-level gamma spectroscopy, Radon issues; Cosmic-ray physics
- Member of the Executive Board of **Society for Radiation Protection of Serbia and Montenegro**
- Reviewer in: **Radiation Measurements, Nuclear Technology and Radiation Protection**
- Participate in the Regional TC Projects in the IAEA. Counterpart for Serbia of the Regional TC Project (Cycle: 2014-2015): „**RER/9/127 – Establishing Enhanced Approaches to the Control of Public Exposure to Radon**“

### Most important publications:

1. R. Antanasijević, A. Dragić, D. Joksimović, Z. Marić, D. Šević, Ž. Todorović, V. Udovičić.  
***Analysis of hot spots in deuterium plasma focus with SSNTD***  
Radiation Measurements 28, (1997) 241.
2. R. Antanasijević, J.B. Vuković, D. Šević, D. Joksimović, A. Dragić, V. Udovičić, J. Purić, M. Čuk.  
***Angular distribution of positive particles emitted from deuterium plasma focus***  
Radiation Measurements 28, (1997) 245.
3. R. Antanasijević, Z. Marić, R. Banjanac, A. Dragić, J. Stanojević, D. Đorđević, D. Joksimović, V. Udovičić, J.B. Vuković.  
***Measurement of angular distribution of neutrons emitted from plasma focus using NTD***  
Radiation Measurements 31, (1999) 443.
4. R. Antanasijević, I. Aničin, I. Bikit, R. Banjanac, A. Dragić, D. Joksimović, Đ. Krmptić, V. Udovičić, J.B. Vuković.  
***Radon measurements during the building of a low-level laboratory***  
Radiation Measurements 31, (1999) 371.
5. R. Antanasijević, R. Banjanac, A. Dragić, Z. Marić, J. Stanojević, V. Udovičić, J. Vuković,  
***Beam acceleration in plasma focus device***  
Radiation Measurements 34 (2001) 615-616.
6. R. Antanasijević, R. Banjanac, A. Dragić, D. Joković, D. Joksimović, Z. Marić, B. Panić, V. Udovičić, J. P. Vigier,  
***Electrical discharges in air***  
Physics Letters A 306 (2002) 88-90.
7. R. Antanasijević, R. Banjanac, A. Dragić, D. Joković, D. Joksimović, B. Grabež, V. Udovičić, D. Đorđević, J. Stanojević, J. Vuković,  
***Angular distribution of protons emitted from the hydrogen plasma focus***  
Radiation Measurements 36 (2003) 327-328.

8. R. Banjanac, V. Udovičić, B. Grabež, B. Panić, Z. Marić, A. Dragić, D. Joković, D. Joksimović, I. Aničin,  
***Flux and Energy Distribution of the Axial Protons Emitted from the Hydrogen Plasma Focus***  
Radiation Measurements **40** (2005) 483-485.
9. A. Dragić, D. Joković, R. Banjanac, V. Udovičić, B. Panić, J. Puzović, I. Aničin  
***Measurement of cosmic ray muon flux in the Belgrade ground level and underground laboratories***  
Nuclear Instruments and Methods in Physics Research A **591** (2008) 470-475.
10. D. R. Joković, A. Dragić, V. Udovičić, R. Banjanac, J. Puzović, I. Aničin  
***Monte Carlo simulations of the response of a plastic scintillator and an HPGe spectrometer in coincidence***  
Applied Radiation and Isotopes **67** (2009) 719-722.
11. V. Udovičić, B. Grabež, A. Dragić, R. Banjanac, D. Joković, B. Panić, D. Joksimović, J. Puzović, I. Aničin  
***Radon problem in an underground low-level laboratory***  
Radiation Measurements **44** (2009) 1009-1012.
12. V. Udovičić, A. Dragić, R. Banjanac, D. Joković, N. Veselinović, I. Aničin, M. Savić, J. Puzović  
***Yield from Proton-Induced Reaction on Light Element Isotopes in the Hydrogen Plasma Focus***  
Journal of Fusion Energy, **Vol. 30 (6)**, 487-489 (2011).
13. D.T. Mihailović, V. Udovičić, M. Krmar, I. Arsenić  
***A Complexity Measure Based Method for Studying the Dependence of  $^{222}\text{Rn}$  Concentration Time Series on Indoor Air Temperature and Humidity***  
Applied Radiation and Isotopes, **84** (2014) 27-32.
14. R. Banjanac, A. Dragić, V. Udovičić, D. Joković, D. Maletić, N. Veselinović, M. Savić  
***Variations of Gamma-Ray Background in the Belgrade Shallow Underground Low-Level Laboratory***  
Applied Radiation and Isotopes, **87** (2014) 70-72.
15. R. Banjanac, D. Maletić, D. Joković, N. Veselinović, A. Dragić, V. Udovičić, I. Aničin  
***On The Omnipresent Background Gamma Radiation Of The Continuous Spectrum***  
Nuclear Instruments and Methods in Physics Research A **745** (2014) pp. 7-11.
16. Udovičić V., Aničin I., Joković D., Dragić A., Banjanac R., Grabež B., Veselinović N.  
***Radon Time-series Analysis in the Underground Low-level Laboratory in Belgrade, Serbia***  
Radiation Protection Dosimetry **145 (2-3)** (2011): 155-158.
17. Aleksandar Dragić, Vladimir Udovičić, Radomir Banjanac, Dejan Joković, Dimitrije Maletić, Nikola Veselinović, Mihailo Savić, Jovan Puzović, Ivan V. Aničin  
***The New Set-up in the Belgrade Low-Level and Cosmic-ray Laboratory***  
Nuclear Technology and Radiation Protection **Vol. XXVI, No. 3**, 181-192 (2011).
18. Dimitrije M. MALETIĆ, Vladimir I. UDOVIČIĆ, Radomir M. BANJANAC, Dejan R. JOKOVIĆ, Aleksandar L. DRAGIĆ, Nikola B. VESELINOVIĆ, Jelena Z. FILIPOVIĆ  
***Comparison of Multivariate Classification and Regression Methods for the Indoor Radon Measurements***  
Nuclear Technology and Radiation Protection **Vol. XXIX, No. 1**, 17-23 (2014).