

BILJANA MILENKOVIĆ



PERSONAL DETAILS

ADDRESS	Faculty of Science, University of Kragujevac Radoja Domanovic 12 34000 Kragujevac Serbia	
DATE OF BIRTH	22.01.1983.	
MAIL	bmilenkovic@kg.ac.rs	bilja034@gmail.com
TELEPHONE	+381 34 336 223; 328	

EDUCATION & PROFESSIONAL TRAININGS

Academic Education	Doctoral in Physics (PhD): Application of CR-39 detector in neutron detection and dosimetry, University of Kragujevac, Serbia, 18 th November 2013 2002 - 2006 - Master of Science Degree in Physics and Computer Science - Faculty of Science, University of Kragujevac, Serbia (Won awards as a best student in the class and as a best student at whole Faculty of Science on 2006) 1998 - 2002 – Second Gymnasium Kragujevac, Serbia
Conferences	12 th Neutron and Ion Dosimetry Symposium (NEUDOS-12) from 3-7 June 2013, Aix-en-Provence, France 11 th Neutron and Ion Dosimetry Symposium (NEUDOS-11) from 12-16 October 2009, Cape Town, South Africa
Languages	Serbian – Native English – Active German – Passive
Programming Languages	Fortran, basics C#

PROFESSIONAL EXPERIENCE

2011-	<p>Project Name: Experimental and theoretical investigations in radiation physics and radioecology</p> <p>Company: Faculty of Science, University of Kragujevac</p> <p>Position: Research Assistant</p>
2007-2010.	<p>Project Name: Theoretical and experimental investigations in microdosimetry and radioecology</p> <p>Company: Faculty of Science, University of Kragujevac</p> <p>Position: Research Trainee</p>
Assistant on courses	<p>Atomic Physics</p> <p>Subatomic Physics</p> <p>Modern Physics</p> <p>Physics and Informatics in schools 2</p> <p>General Physics for students of Biology</p>

LIST OF PUBLICATIONS

Papers printed in International Journal on ISI list	<ol style="list-style-type: none"> 1. <u>B. Milenkovic</u>, N. Stevanovic, D. Krstic, D. Nikezic. Numerical solving of the track wall equation in LR115 detectors etched in direct and reverse directions. Radiation Measurements 44: 57-62, 2009. ISSN: 1350-4487, IF 1.267 (M21) 2. Goran Dugalic, Dragana Krstic, Miodrag Jelic, Dragoslav Nikezic, <u>Biljana Milenkovic</u>, Mira Pucarevic, Tijana Zeremski-Skoric. Heavy metals, organics and radioactivity in soil of western Serbia. Journal of Hazardous Materials 177: 697-702, 2010. ISSN: 0304-3894, IF 4.144 (M21) 3. <u>Biljana Milenković</u>, Dragoslav Nikezić, Nenad Stevanović. A simulation of neutron interaction from Am-Be source with the CR-39 detector. Radiation Measurements 45: 1338-1341, 2010 (PROCEEDINGS OF THE 11TH SYMPOSIUM ON NEUTRON AND ION DOSIMETRY). ISSN: 1350-4487, IF 1.267 (M21) 4. <u>B. Milenkovic</u>, N. Stevanovic, D. Nikezic, M. Ivanovic. Computer program Neutron_CR-39 for simulation of neutrons from an Am-Be source and calculation of proton track profiles. Computer Physics Communications 182: 1536-1542, 2011. ISSN: 0010-4655, IF 3.268 (M21) 5. Ljiljana Gulan, <u>Biljana Milenkovic</u>, Jelena Stajic, Biljana Vuckovic, Dragana Krstic, Tijana Zeremski, Jordana Ninkov. Correlation between radioactivity levels and heavy metal content in the soils of North Kosovska Mitrovica environment. Environmental Science: Processes & Impacts 15: 1735-1742, 2013. ISSN: 1464-0325, IF 2.085 (M22) 6. <u>B. Milenkovic</u>, N. Stevanovic, D. Krstic, D. Nikezic. Neutron detection by a CR-39 detector and analysis of proton tracks etched in the same and opposite directions. Radiation Protection Dosimetry, DOI: 10.1093/rpd/nct321. ISSN: 1742-3406, IF 0.909 (M22) 7. D. Krstic, V. Markovic, Z. Jovanovic, <u>B. Milenkovic</u>, D. Nikezic, J. Atanackovic. Monte Carlo calculations of lung dose in ORNL phantom for boron neutron capture therapy. Radiation Protection Dosimetry, DOI: 10.1093/rpd/nct365. ISSN: 1742-3406, IF 0.909 (M22) 8. <u>B. Milenkovic</u>, N. Stevanovic, D. Nikezic, D. Kosutic. Determination of a CR-39 detector response to neutrons from an Am-Be source. Applied Radiation and Isotopes 90: 225-228, 2014. ISSN: 0969-8043, IF 1.179 (M21)
Book chapters	<ol style="list-style-type: none"> 1. N. Stevanovic, <u>B. Milenkovic</u>, D. Nikezic. Software for Determination of Track Parameters in Nuclear Track Detectors Etched in Reverse Direction. Horizons in Computer Science Research, Vol. 3, Ch. 5, 89-108, Nova Science Publishers, New York, 2011. ISBN: 978-1-61122-807-6 (M14) 2. D. Nikezic, V.M. Markovic, N. Stevanovic, V. Urošević, <u>B. Milenkovic</u> and J. Stajic. Radon diffusion through the medium. Handbook of Radon: Properties, Applications and Health, Ch. 12, 311-333, Nova Science Publishers, New York, 2012. ISBN: 978-1-62100-177-5, 2011 (M14)

Papers on the international conferences	<ol style="list-style-type: none"> 1. <u>B. Milenković</u>, N. Stevanović, D. Nikezić, J. Stajić, V. Marković, D. Krstić. Analysis of proton tracks etched in reverse direction in PADC detector used for neutron irradiation. The First International Conference on Radiation and Dosimetry in Various Fields of Research (Proceedings), 93-96, Niš, Serbia, April 25-27, 2012. ISBN: 978-86-6125-063-7 (M63) 2. <u>Biljana Milenković</u>, Dragana Krstić, Dragoslav Nikezić, Nenad Stevanović. Monte Carlo calculations of the neutron dose equivalent in the ICRU slab. The Second International Conference on Radiation and Dosimetry in Various Fields of Research (Book of Abstracts), 121, Niš, Serbia, May 27-30, 2014. ISBN: 978-86-6125-100-9
Papers on the national conferences	<ol style="list-style-type: none"> 1. B. Milenković, N. Stevanović, D. Krstić, D. Nikezić. Numeričko rešavanje jednačine zida traga u LR115 detektoru nagrizanom u direktnom i suprotnom smeru. Zbornik radova 52. konferencije za ETRAN, Palić 8-12. jun 2008. ISBN: 978-86-80509-63-1 (M63) 2. D. Krstić, D. Nikezić, <u>B. Milenković</u>. Računanje konverzionih ORNL fantoma za efektivnu dozu po kermi od prirodnih radionuklida u građevinskim materijalima. Zbornik radova 52. konferencije za ETRAN, Palić 8-12. jun 2008. ISBN: 978-86-80509-63-1 (M63) 3. <u>B. Milenković</u>, D. Nikezić, N. Stevanović. Simulacija odgovora CR-39 detektora na ozračivanje neutronima iz Am-Be izvora. Zbornik radova, XXV Simpozijum Društva za Zaštitu od Zračenja Srbije i Crne Gore (DZZSCG), Kopaonik 30.09. - 02.10. 2009. ISBN: 978-86-7306-112-2 (M63) 4. <u>Biljana Milenković</u>, Nenad Stevanović, Vladimir Marković, Dragoslav Nikezić. Efikasnost detekcije protona nastalih u CR-39 detektoru ozračenom neutronima iz Am-Be izvora. Zbornik radova 54. konferencije za ETRAN, Donji Milanovac 7-11. jun 2010 (M63) 5. Vladimir Marković, Nenad Stevanović, <u>Biljana Milenković</u>, Dragoslav Nikezić. Ukupni brojni i uglovni albedo fotona za vodu, beton i gvožđe u zavisnosti od debljine materijala. Zbornik radova 54. konferencije za ETRAN, Donji Milanovac 7-11. jun 2010. (M63) 6. <u>Biljana Milenković</u>, Dragoslav Nikezić, Nenad Stevanović. Primena detektora CR-39 u detekciji i dozimetriji neutrona. Zbornik radova, XXVI Simpozijum Društva za Zaštitu od Zračenja Srbije i Crne Gore (DZZSCG), Tara 12-14. oktobar 2011. ISBN: 978-86-7306-105-4 (M63) 7. Nenad Stevanović, Vladimir Marković, Dragoslav Nikezić, <u>Biljana Milenković</u>, Jelena Stajić. Korekcija ljske za zaustavnu moć za niskoenergetske jone. Zbornik radova, XXVI Simpozijum Društva za Zaštitu od Zračenja Srbije i Crne Gore (DZZSCG), Tara 12-14. oktobar 2011. ISBN: 978-86-7306-105-4 (M63) 8. D. Krstić, D. Nikezić i <u>B. Milenković</u>. Primena terapije zahvata neutrona na boru (BNCT) u tumorima pluća. XII kongres fizičara Srbije, Vrnjačka Banja 28. april – 2. maj 2013. ISBN: 978-86-86169-08-2 (M63) 9. <u>Biljana Milenković</u>, Nenad Stevanović, Dragoslav Nikezić i Duško Košutić. Procena jačine doznog ekvivalenta neutrona CR-39 detektorom. Zbornik radova, XXVII Simpozijum DZZSCG, Vrnjačka Banja 2-4. oktobar 2013. ISBN: 978-86-7306-115-3 (M63) 10. Ljiljana Gulan, <u>Biljana Milenković</u>, Jelena Stajić, Biljana Vučković, Dragana Krstić, Gordana Milić i Dragoslav Nikezić. Sadržaj prirodnih i veštačkih radionuklida u uzorcima zemljišta Kosovske Mitrovice. Zbornik radova, XXVII Simpozijum DZZSCG, Vrnjačka Banja 2-4. oktobar 2013. ISBN: 978-86-7306-115-3 (M63) 11. Dragana Krstić, <u>Biljana Milenković</u>, Vladimir Marković, Dragoslav Nikezić i Jovica Atanacković. Računanje apsorbovane doze u plućima ORNL fantoma za BNCT terapiju. Zbornik radova, XXVII Simpozijum DZZSCG, Vrnjačka Banja 2-4. oktobar 2013. ISBN: 978-86-7306-115-3 (M63) 12. Jelena Živković Radovanović, Nenad Stevanović, Vladimir M. Marković, Dragoslav Nikezić, <u>Biljana Milenković</u>. Simulacija niskoenergetskih protona kroz ćelije. Zbornik radova, XXVII Simpozijum DZZSCG, Vrnjačka Banja 2-4. oktobar 2013. ISBN: 978-86-7306-115-3 (M63)

