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DATE OF THE BIRTH

03.09.1981.

PLACE OF BIRTH

Kragujevac, Serbia, (South Eastern Europe).

EDUCATION

BC -diploma in physics
Faculty of Sciences, Department of Physics, University of Kragujevac, Serbia (2000-2005)

Mphyl thesis:

CALCULATION OF DOSE CONVERSION FACTOR OF BETA AND GAMMA RADIATION FROM RADON SHORT LIVED PROGENY USING "PENELOPE" AND "MCNP" SOFTWARE
Faculty of Science, University of Kragujevac, Serbia (2009)

EMPLOYMENT

Teaching assistant:

2013. - Scientific field: Radiation physics. Department of physics, Faculty of Science, University of Kragujevac, Serbia

Reasrch assistant:

2005. - 2010. Researcher at Faculty of Science, University of Kragujevac, on the project founded by Serbian Ministry of Science "Theoretical and experimental investigations in microdosimetry and radioecology", NO 141023.

2011. - 2013. Researcher at Faculty of Science, University of Kragujevac, on the project founded by Serbian Ministry of Science and Technological Developmment "Experimental and theoretical investigations in radiation physics and radioecology", , NO 171021.

Assistentat on courses:

Electromagnetism
Optics
Atomic physics
Subatomic and nuclear physics
Radiation physics
Astrophysics with Astronomy
Educational software
Physics in schools
Physics and informatics in schools

OTHER

Member of MENSA society.

LIST OF PUBLICATIONS

Book chapters

3. V. Markovic, N. Stevanovic, D. Krstic and D. Nikezic. **Beta and gamma dose assessment due to radon short lived progeny. *Handbook of Radon: Properties, Applications and Health***, Nova Publishers - ISBN: 978-1-62100-177-5, pp.63-100, 2011. (M12)

2. D. Nikezic, V.M. Markovic, N. Stevanovic, V. Urosevic, B. Milenkovic and J. Stajic. **Radon diffusion through the medium. *Handbook of Radon: Properties, Applications and Health***, Nova Publishers - ISBN: 978-1-62100-177-5, pp.311-334, 2011. (M14)

1. N. Stevanovic, V.M. Markovic, D. Nikezic. **Influence of Ventilation Rate on Radon and Thoron Progeny Concentrations in a Room. *Ventilation: Types, Standards and Problems***, Nova Publishers - ISBN: 978-1-61324-424-1, pp.111-134, 2011. (M14)

1. Papers printed in International Journal on ISI list

1.13 D. Krstic, V.M. Markovic, Z. Jovanovic, B. Milenkovic, D. Nikezic, J. Atanackovic **Monte carlo calculations of lung dose in ORNL phantom for boron neutron capture therapy** Radiation Protection Dosimetry, 2013, , IF=, pp. 1-4 DOI 10.1093/rpd/nct365 (M22)

- 1.12 V.M. Markovic, N. Stevanovic, D. Nikezic, Dž. F. Pucic, V. Urosevic , **Specific energy distribution within cytoplasm and nucleoplasm of a typical mammalian cell due to various beta radionuclides**. Journal of Radioanalytical and Nuclear Chemistry, 2013, **Print ISSN:** 0236-5731 **Online ISSN:** 1588-2780, **IF=1.467**. pp.1-8 DOI 10.1007/s10967-013-2874-3 (M21)
- 1.11 V.M. Markovic, D. Krstic, N. Stevanovic. and D. Nikezic, **Photon albedo for water, concrete and iron at normal incidence, and dependence on the thickness of reflecting material**. Nuclear Technology & Radiation Protection: Year 2013, Vol. 28, No. 1, pp. 0-0, 2013, **ISSN:** 1451-3994, **IF=1.159**. DOI: 10.2298/NTRP1301000M (M22)
- 1.10 D. Krstic, V.M. Markovic, D. Nikezic and D. Vucic **Absorbed fractions in sensitive regions of human respiratory tract calculated by mcnp5/x software for electrons and beta particles due to radon progeny**. Romanian Journal of Physics Vol. 58, 2013, **ISSN:** S164-S172, **IF=0.526**. (M23)
- 1.9 N. Stevanovic, V.M. Markovic, M. Arsenijevic, D. Nikezic, **Influence electron motion in target atom on stopping power for low-energetic ions**. Nuclear Technology & Radiation Protection: Year 2012, Vol. 27, No. 2, pp. 113-116, 2012, **ISSN:** 1451-3994, **IF=1.159**. (M22)
- 1.8 V.M. Markovic, D. Krstic, D. Nikezic, N. Stevanovic. **Doses from radon progeny as a source of external beta and gamma radiation**. Radiat Environ Biophys, 51 pp. 391–397, 2012. **ISSN:** 0144-8420, **IF= 2.04**. (M22)
- 1.7 V.M. Markovic, N. Stevanovic, D. Nikezic. **Doses from beta radiation in sensitive layers of human lung and dose conversion factors due to 222Rn/220Rn progeny**, Radiat Environ Biophys, 50(3), pp. 431–440, 2011, **ISSN:** 0301-634X, **IF=2.04**. (M22)
- 1.6. D. Nikezic, V.M. Markovic, D. Krstic and P.K.N. Yu. **Doses in human organs due to alpha, beta and gamma radiations emitted by thoron progeny in the lung**. Radiation Protection Dosimetry, 141(4): 428-431, 2010, **ISSN:** 0144-8420, **IF=0.966**. (M22)
- 1.5. N. Stevanovic, V.M. Markovic, D. Nikezic. **Relationship between deposition and attachment rates in the Jacobi room model**. Journal of Environmental Radioactivity, vol 101 (5): 349–352, 2010, **ISSN:** 0265-931X, **IF =1.466**. (M23)
- 1.4. V.M. Markovic, D. Krstic, D. Nikezic. **Gamma and beta doses in human organs due to radon progeny in human lung**. Radiation Protection Dosimetry, 135(3): 197 – 202, 2009, **ISSN:** 0144-8420, **IF=0.951**. (M22)
- 1.3. N. Stevanovic V.M. Markovic, D. Nikezic. **Deposition rates of unattached and attached fractions in room at turbulent airflow and ventilation**. Journal of Environmental Radioactivity, 100(7): 585-589, 2009. **ISSN:**0265-931X, **IF =1.268**. (M23)
- 1.2. N. Stevanovic V. Markovic, V. Urosevic and D. Nikezic. **Determination of parameters of Jacobi room model using the Brownian motion model**. Health Physics, 96(1): 48-54, 2009, **ISSN:** 0017-9078, **IF=0.917**. (M22)
- 1.1. V. Markovic, N. Stevanovic and D. Nikezic. **Absorbed fractions for electrons and beta particles in sensitive regions of human respiratory tract**. Radiation and Environmental Biophysics. 47:139-145, 2008, **ISSN:**0301-634X, **IF=1.787**. (M22)

2. Papers on international conferences

- 2.8. D. Krstic, D. Nikezic, V.M. Markovic, D. Vucic. **Absorbed fractions of electrons and beta particles due to radon progeny insensitive regions of human respiratoru tract calculated by MCNP5/X**. The first international conference on radiation and dosimetry in various fields of research, 25-27.04.2012. University of Nis, Serbia, pp 189-196, **ISBN:** 978-86-6125-063-7. (M33)
- 2.7. B. Milenkovic, D. Krstic, D. Nikezic, N. Stevanovic, J. Stajic, V.M. Markovic, **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, 25-27.04.2012. University of Nis, Serbia, pp 93-96, **ISBN:** 978-86-6125-063-7. (M33)
- 2.6. D. Nikezic, V.M. Markovic, D. Krstic, D. Vucic. **Absorbed fractions of electrons and beta particles due to radon progeny insensitive regions of human respiratoru tract calculated by MCNP5/X**. Firse European radon Symposium FERAS 02-05.09.2012. Romania, pp 67-67, **ISBN:**978-973-53-0857-5, (M34)
- 2.5. D. Krstic, V.M. Markovic, D. Nikezic, N. Stevanovic. **Total and angular photon albedo for water, concrete and iron, and dependence on the thickness of reflecting material**. 14th International Congress of radiation Research, August 28 September 1, 2011, Warsaw, Poland, pp 212-212. (M34)
- 2.4. V.M. Markovic, D. Krstic, D. Nikezic, N. Stevanovic. **External doses from radon progeny**. Vith Hungarian Radon Forum and Radon in environment Satellite Workshop Veszprem - Hungary, May 16-17, pp 189-196, 2011, **ISBN:** 978-615-5044-51-9. (M33)
- 2.3. V.M. Markovic, D. Krstic, D. Nikezic, N. Stevanovic. **External doses from radon progeny**. Vith Hungarian Radon Forum and Radon in environment Satellite Workshop Veszprem - Hungary, May 16-17, pp 117-126, 2011, **ISBN:** 978-615-5044-51-9. (M33)
- 2.2. V.M. Markovic, N. Stevanovic and D. Nikezic. **Beta doses in human respiratory tract due to radon progeny**. 6th International Student Conference of the Balkan Physical Union, ISCBPU-6, Bodrum - TURKEY. (M34)
- 2.1. N. Stevanovic, V.M. Markovic and B. Drjaca. **Influence of aerosol concentration on Jacobi room model parameters**. 6th International Student Conference of the Balkan Physical Union, ISCBPU-6, Bodrum - TURKEY. (M34)

3. Papers on the national conferences

- 3.13. Jelena Zivkovic Radovanovic, Nenad Stevanovic Vladimir M. Markovic, Dragoslav Nikezic i Biljana Milenkovic **Simulacija niskoenergetskih protona kroz celije**. Zbornik radova, XXVII Simpozijum Društva za Zaštitu od Zracenja Srbije i Crne Gore, Vrnjaska Banja, Srbija, pp 263-266, **ISBN:**978-86-7306-115-3, 2011. (M63)
- 3.12. Dragana Krstic, Biljana Milenkovic, Vladimir Markovic, Dragoslav Nikezic i Jovica Atanackovic. **Racunanje apsorbovane doye u plucima ORNL fantoma za BNC terapiju**. Zbornik radova, XXVII Simpozijum Društva za Zaštitu od Zracenja Srbije i Crne Gore, Vrnjaska Banja, Srbija, pp 251-254, **ISBN:** 978-86-7306-115-3, 2011. (M63)
- 3.11. Danijela Bogavac, Nenad Stevanovic, Vladimir Markovic, Dragoslav Nikezic i Jelena Stajic. **Jonizacija i eksitacija molekula vode u celijamausled prolaska alfa cestica**. Zbornik radova, XXVII Simpozijum Društva za Zaštitu od Zracenja Srbije i Crne Gore, Vrnjaska Banja, Srbija, pp 241-245, **ISBN:** 978-86-7306-115-3, 2011. (M63)
- 3.10. Vladimir Markovic, Nenad Stevanovic i Dragoslav Nikezic. **Raspodela specifcne energije beta zracenja unutar celije**. Zbornik radova, XXVI Simpozijum Društva za Zaštitu od Zracenja Srbije i Crne Gore,, Tara, Srbija, pp 224-228, **ISBN:** 978-86-7306-105-4, 2011. (M63)

- 3.9. Vlade Urošević, Aca Đokic, Stefan Vukajlovic i Vladimir Markovic. **Daljinsko upravljanje atomex 1125 detektorom**. Zbornik radova, XXVI Simpozijum Društva za Zaštitu od Zracenja Srbije i Crne Gore, Tara, Srbija pp 354-360, **ISBN: 978-86-7306-105-4**, 2011. (M63)
- 3.8. Jelena Stajic, Vladimir Markovic, Dragana Krstic i Dragoslav Nikezic. **Koncentracija prirodnih radionuklida u duvanu**. Zbornik radova, XXVI Simpozijum Društva za Zaštitu od Zracenja Srbije i Crne Gore, Tara, Srbija, pp 174-177, **ISBN: 978-86-7306-105-4**, 2011. (M63)
- 3.7. Dragana Krstic, Vladimir Markovic i Dragoslav Nikezic. **Refleksija elektromagnetnog zracenja od zaštitnih materijala**. Zbornik radova, XXVI Simpozijum Društva za Zaštitu od Zracenja Srbije i Crne Gore, Tara, Srbija, pp 19-32, **ISBN: 978-86-7306-105-4**, 2011. (M63)
- 3.6. Nened Stevanovic, Vladimir M. Markovic, Dragoslav Nikezic, Biljana Milenkovic, Jelena Stajic. **Korekcija ljsuske za zaustavnu moc za niskoenergetske jone**. Zbornik radova, XXVI Simpozijum Društva za Zaštitu od Zracenja Srbije i Crne Gore, Tara, Srbija, pp 14-18, **ISBN: 978-86-7306-105-4**, 2011. (M63)
- 3.5. Vladimir Markovic, Nenad Stevanovic, Biljana Milenkovic, Dragoslav Nikezic, **Ukupni brojni i uglovni albedo FOTONA za vodu, beton i gvožđe U zavisnosti od debljine materijala**. 54. Konferencije ETRAN-a, Donji Milanovac, Srbija, 2010. (M63)
- 3.4. Biljana Milenkovic, Nenad Stevanovic, Vladimir Markovic, i Dragoslav Nikezic, **Efikasnost detekcie protona nastalih u CR-39 detektoru ozracenom neutronima iz AM-BE izvora**. 54. Konferencije ETRAN-a, Donji Milanovac, Srbija, 2010. (M63)
- 3.3. Markovic, V.M.; Nikezic, D.; Krsitc D. **Gama i beta doze u ljudskim organima izazvane radonovim potomcima nataloženim u plucima**. Zbornik radova, XXV Simpozijum Društva za Zaštitu od Zracenja Srbije i Crne Gore, Kopaonik, Srbija, pp 172-176, **ISBN: 978-86-7306-112-2**, 2009. (M63)
- 3.2. Stevanovic, N.; Markovic, V.M.; Nikezic, D. **Parametri Jakobijevog modela u prostoriji pri turbulentnom kretanju vazduha**. Zbornik radova, XXV Simpozijum Društva za Zaštitu od Zracenja Srbije i Crne Gore, Kopaonik, Srbija, pp 345-349, **ISBN: 978-86-7306-105-4**, 2009. (M63)
- 3.1. V. Markovic and D. Nikezic, **Absorbovana frakcija elektrona u ljudskom respiratornom traktu**. Zbornik radova, XXIV Simpozijum Društva za Zaštitu od Zracenja Srbije i Crne Gore, Zlatibor, Srbija, pp 209-213, 2007. **ISBN: 978-86-7306-105-4** (M63)