CURRICULUM VITAE
dr Dragoslav Nikezic

Mailing address
Department of Physics, Faculty of Sciences, University of Kragujevac
34000 Kragujevac
R.Domanovic 12
Serbia
e mail1: nikezic@kg.ac.rs
e mail2: dnikezic@yahoo.com

DATE OF THE BIRTH
25.11.1953.

PLACE OF BIRTH
Aleksinac, Serbia, former Yugoslavia, now Serbia (South Eastern Europe).

EDUCATION
BC -diploma in physics
Faculty of Philosophy, Group of Physics, University of Nis, Yugoslavia (1972-1976)
(Won awards as a best student in the class and as a best student at whole faculty on 1974).

Master thesis:
Calculation of the fluence and exposure dose indoor by Monte Carlo Method.
Faculty of Science, University of Kragujevac (previously University of Svetozar Markovic). Yugoslavia (1984)

Doctoral in Physics (PhD):
Contribution to the experimental and theoretical studies of human indoor exposures.
Faculty of Science, University of Kragujevac (previously University of Svetozar Markovic). Yugoslavia (1990)

EMPLOYMENT
Assistant professor, the subjects:
Radiation Physics,
Fortran computer programming,
Atomic and Nuclear Physics in the period 1991-1998.

Associate professor, the subjects:
Atomic and Subatomic Physics,
Fortran 90&95, programming, 1998-2005.

Full professor, the subject
Atomic and Subatomic Physics, 2005-present

VISITING PROFESSOR IN RADON DOSIMETRY

University Autonoma de Barcelona, Barcelona, Spain 1994-1995. (one year)

RESEARCH FELLOW
City University of Hong Kong 1998-2014, usually several months per year, totally about 6 years.

LIST OF PUBLICATIONS

BOOK CHAPTERS

1.1.Chapter 29 Radon Diffusion through the Medium.
(D. Nikezic, V. M. Markovic, N. Stevanovic, V. Urosevic, B. Milenkovic and J. Stajic) in **Chemistry Research Summaries**, Vol. 13. **Editors:** Lucille Monaco Cacioppo. Nova Publisher

1.2. Chapter 3 - Computer Simulation of Radon Measurements with Nuclear Track Detectors; pp. 125-156 (D. Nikezic, K. N. Yu, Dept. of Physics and Materials Science, City Univ. of Hong Kong, Kowloon Tong, Hong Kong)
In **Computer Physics Research Trends, Editors: Silvan J. Bianco**

1.3. **Chapter 3** - Beta and Gamma Dose Assessment Due to Radon Short Lived Progeny (pp.63-100)
Authors / Editors: (V.M. Markovic, N. Stevanovic, D. Krstic, D. Nikezic, University of Kragujevac, Faculty of Science, Serbia). In **Handbook of Radon: Properties, Applications and Health. Editors:** Zachary Li and Christopher Feng.

1.4. **Chapter 12** - Radon Diffusion through the Medium (pp.311-334)
Authors / Editors: (D. Nikezic, V.M. Markovic, N. Stevanovic, V. Urosevic, B. Milenkovic, J. Stajic, University of Kragujevac, Faculty of Science, Serbia, and others). In **Handbook of Radon: Properties, Applications and Health. Editors:** Zachary Li and Christopher Feng

1.5. Software for Determination of Track Parameters in Nuclear Track Detectors Etched in Reverse Direction;pp. 89-108 (N. Stevanovic, B. Milenkovic, D. Nikezic, University of Kragujevac, Faculty of Science, Kragujevac, Serbia) In **Horizons in Computer Science Research. Volume 3. Editors:** Thomas S. Clary

1.6. Chapter 2. Long-Term Measurements of Radon Progeny Concentrations with Solid State Nuclear Track Detectors;pp. 107-131
(K.N. Yu, D. Nikezic, Dept. of Physics and Materials Science, City University of Hong Kong, Kowloon, Hong Kong) In **Nuclear Track Detectors: Design, Methods and Applications. Editors:** Maksim Sidorov and Oleg Ivanov

1.7 Chapter 3. Alpha-Particle Radiobiological Experiments Involving Solid State Nuclear Track Detectors as Substrates;pp. 133-154
(K.N. Yu, D. Nikezic, Dept. of Physics and Materials Science, City University of Hong Kong, Kowloon, Hong Kong) . In **Nuclear Track Detectors: Design, Methods and Applications. Editors:** Maksim Sidorov and Oleg Ivanov

1.8. Chapter 5. Optical Characteristics of Tracks in Solid State Nuclear Track Detectors Studied with Ray Tracing Method; pp. 177-195
(D. Nikezic, K.N. Yu, Dept. of Physics and Materials Science, City University of Hong Kong, Kowloon, Hong Kong) .In **Nuclear Track Detectors: Design, Methods and Applications. Editors:** Maksim Sidorov and Oleg Ivanov

1.9. Influence of Ventilation Rate on Radon and Thoron Progeny Concentrations in a Room
(N. Stevanovic, V.M. Markovic, D. Nikezic, University of Kragujevac, Faculty of Science, Kragujevac, Serbia)pp.111-134 . In **Ventilation: Types, Standards and Problems. Editors:** Vincent A. Romano and Allison S. Duval

Papers printed in International Journals on SCI/ISI list.

2.1. ***Nikezic, D***., Markovic, P. and Dj. Bek Uzarov. Calculating the calibration coefficient for radon measurements with the bare LR-115 detector. **Health Physics** 62, 239-244 (1992)

2.2. ***Nikezic, D***., Markovic, P. and Dj. Bek Uzarov.Determination of calibration coefficient for radon measurements using a track detector. **Health Physics** 64, 628 - 632 (1993)

2.3. ***Nikezic, D***. and Velickovic D. Calibration coefficient for radon measurements with LR-115 track detector in different types of diffusion chambers. **Radiation Measurements** 23, 219-223 (1994).

2.4. ***Nikezic, D.*** Determination of detection efficiency for radon and radon daughters with CR 39 track detector - a Monte Carlo study. **Nuclear Instruments & Methods in Physics Research, Section A**: **Accelerators, Spectrometers, Detectors and Associated Equipment,** 344, 406-414 (1994).

2.5. ***Nikezic, D***., Kostic, D., Krstic, D., Savovic, S. Sensitivity of radon Measurements with CR-39 track etch detector - a Monte Carlo study, **Radiation Measurements**, 25, 647-648 (1995)

2.6. ***Nikezic, D***. and Baixeras, C. Analysis of sensitivity of LR 115 II in cylindrical diffusion chambers for radon concentration determination, **Nuclear Instruments & Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment,** 364, 531-536 (1995)

2.7. ***Nikezic, D***. and Krstic D. A study of amplifying the response of an LR115 solid state track detector by combining it with electret, **Health Physics**, 69, 944-948 (1995)

2.8. ***Nikezic, D***., Baixeras, C. and Kostic, D. Sensitivity determination and optimization of a cylindrical diffusion chamber, for radon measurements, with a CR39 detector, **Nuclear Instruments & Methods in Physics Research, Section A**:

Accelerators, Spectrometers, Detectors and Associated Equipment, 373, 290-298 (1996)

2.9. ***Nikezic, D***. and Baixeras C. Radon, radon progeny and equilibrium factor determination using an LR115 detector, **Radiation Measurements,** 26, 203-213 (1996)

2.10. ***D. Nikezic*** and D. Kostic. Simulation of the track growth and determining the track parameters. **Radiation Measurements**, 28, 185-190 (1997).

2.11. D. Kostic, ***D. Nikezic*** and Dj. Bek-Uzarov. Effective Dose Estimation for the Population in Kragujevac due to the Chernobyl Accident, **Journal of Environmental Radioactivity**, 34, 253-266 (1997).

2.12. ***Nikezic, D***. and Urosevic V. A theoretical study of radon measurement with activated charcoal. **Nuclear Instruments and Methods in Physics Research Section A:** Accelerators, Spectrometers, Detectors and Associated Equipment, 406, 486-498 (1998).

2.13. ***D. Nikezic*** and K.N.Yu. The influence of thoron and its progeny on radon measurements with CR39 detector in diffusion chamber. **Nuclear Instruments and Methods in Physics Research- A**, 419, 175-180,(1998).

2.14. ***D. Nikezic*** and K.N.Yu. Modelling radon progeny behaviour on surfaces and note on radon retrospective dosimetry. **Radiation Protection Dosimetry,** 82, 141-146, (1999).

2.15. ***D. Nikezic*** and K.N.Yu. Relationship between the Activity of ^{210}Po incorporated in the surface of an object and potential α - energy concentration. **Journal of Environmental Radioactivity**, 47, 45-55,(1999)

2.16. V. Urosevic, ***D. Nikezic***, S. Vulovic i M. Kojic. Optimization of radon measurements with active charcoal. **Health Physics**, 76, 687-691, (1999).

2.17. ***D.Nikezic***, and K.N.Yu. Determination of deposition behaviour of ^{218}Po from track density distribution on SSNTD in diffusion chamber. **Nuclear Instruments And Methods**. A 437, 531-537 (1999)

2.18. ***D. Nikezic,*** K.N.Yu, T.T.K.Cheung, A.K.M.M.Haque and D. Vucic. Effects of different lung morphometry models on the calculated lung dose from radon progeny. **Journal of Environmental Radioactivity**, 47, 263-277, (2000).

2.19. ***D. Nikezic*** and K. N. Yu. Monte carlo calculations of LR115 detector response to ^{222}Rn in the presence of ^{220}Rn. **Health Physics**, 78, 414-419, (2000)

2.20. ***D. Nikezic*** Three dimensional analytical determination of the track parameters. **Radiation Measurements**, 32, 277-282, (2000)

2.21. ***D. Nikezic*** and K. N. Yu. Uncertainty in Radon Measurements with CR39 Detector due to Unknown Deposition of ^{218}Po. **Nuclear Instruments and Methods**

in Physics Research Journal (Section A), Volume 450, Issues 2-3, 11, Pages 568-572, (2000)

2.22. V. Urosevic and ***D. Nikezic***. Simulation of skim of method for radon measurements with active charcoal. **Applied Radiation and Isotopes** 55(1), 127-130, (2001)

2.23.Yu, K.N., Wong, B.T.Y., Law, J.Y.P., Lau, B.M.F., ***Nikezic, D***. Indoor Dose Conversion Coefficients for Radon Progeny for Different Ambient Environments. **Environmental Science and Technology**, 35, 2136-2140, (2001)

2.24. ***D. Nikezic*** and K.N. Yu. Alpha hit frequency of sensitive cells in T-B tree due to radon progeny. **International Journal of Radiation Biology**, Volume 77,(5), 559-565, (2001)

2.25. ***D Nikezic,*** K N Yu and D Vucic. Absorbed fraction and dose conversion coefficients of alpha particles for radon dosimetry. **Physics in Medicine and Biology,** 46(7), 1963-1973, 2001

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2.27. T.T.K.Chueng, K.N.Yu and ***D. Nikezic***. Bronchial dosimeter for radon progeny. **Applied Radiation and Isotopes**. 55, 707-713,(2001)

2.28. ***D. Nikezic*** and K.N.Yu. Microdosimetric calculation of absorption fraction and the resulting dose conversion factor for radon progeny**. Radiation and Environmental Biophysics** 40:207-211, (2001)

2.29. ***D. Nikezic*** and K.N.Yu. Distributions of Specific Energy in Sensitive Layers of Human Respiratory Tract. **Radiation Research**, 157, 92-98, (2002)

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2.31. ***D. Nikezic*** and K. N. Yu. Incidence characteristics of alpha particles on detectors irradiated in a radon + progeny atmosphere, ***Nuclear Instruments and Methods. B.,*** 187(4) 492-498, (2002)

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2.33. ***D. Nikezic*** and K.N.Yu. Alpha-particle lineal energy spectra for the human lung. **International Journal of Radiation Biology.** 78(7), 605-609 , 2002

2.34. ***D.Nikezic*** and A. Janicijevic. Bulk etching rate of LR 115 detector. **Applied Radiation and Isotopes** 57(2), 275-278. 2002

2.35. V.S.Y. Koo, C.W.Y. Yip, J.P.Y. Ho, ***D. Nikezic*** and K.N. Yu. Sensitivity of LR115 detector in diffusion chamber to ^{222}Rn in the presence of ^{220}Rn. **Applied Radiation and Isotopes.** 56(6), 953-956,(2002).

2.36. ***D. Nikezic*** and K.N.Yu. Profiles and parameters of tracks in LR115 detector irradiated with alpha particles, **Nuclear Instruments and Methods. B.** 196(1-2) 105-112, (2002).

2.37. Ho, J.P.Y., Yip, C.W.Y., Koo, V.S.Y., ***Nikezic, D***., Yu, K.N. Measurement of bulk etch rate of LR115 detector with atomic force microscopy. 2002, **Radiation Measurements**, 35(6), 571-573, (2002).

2.38.Koo, V.S.Y., Yip, C.W.Y., Ho, J.P.Y., ***Nikezic, D***., Yu, K.N., "Experimental Study of Track Density Distribution on LR115 Detector and Deposition Fraction of ^{218}Po in Diffusion Chamber", 2002, **Nuclear Instruments and Methods in Physics Research Journal (Section A)**, 491(3), 470-473 (2002).

2.39. ***D. Nikezic,*** J. P. Y. Ho, C. W. Y. Yip, V. S. Y. Koo and K.N.Yu Feasibility and limitation of track studies using atomic force microscopy. **Nuclear Inst. and Methods in Physics Research, B**. 197(3-4), 293-300, (2002).

2.40. ***D. Nikezic*** and K.N. Yu. Three-dimensional analytical determination of the track parameters: over-etched tracks, **Radiation Measurements** 37(1),39-45. 2003.

2.41. ***D. Nikezic*** and K.N. Yu. Quality factors for alpha particles in the human respiratory tract. **Health Physics** 84(5) 652-654 May 2003.

2.42. ***D. Nikezic*** and K.N. Yu. Apsorbed fraction of alpha particles emitted in bifurcation regions of the human tracheo-bronchial tree. **Radiation and Environmental Biophysics.** 42, 49-53, 2003.

2.43. ***D. Nikezic***, B. Novakovic and K.N. Yu. Absorbed fraction of radon progeny in human bronchial airways with the bifurcation geometry. **International Journal of Radiation Biology.** 79(3)175-180, Mart 2003.

2.44. V. Urosevic and ***D. Nikezic***. Radon transport through concrete and Determination of diffusion Coefficient. **Radiation Protection Dosimetry** 104(1), pp 65-70 (2003).

2.45. C. W. Y. Yip, J. P. Y. Ho, V. S. Y. Koo, **D. Nikezic** and K. N. Yu Effects of stirring on the bulk etch rate of LR 115 detector, **Radiation Measurements** 37(3) 197-200, 2003

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2.50. ***D. Nikezic*** and K. N. Yu. Calculations of track parameters and plots of track openings and wall profiles in CR39 detector, ***Radiation Measurements***, 37, 595-601, 2003.

2.51. V.S.Y.Koo, C.W.Y.Yip, J.P.Y.Ho, ***D.Nikezic***,K.N.Yu. Deposition fractions of ^{218}Po in diffusion chambers. **Applied Radiation and Isotopes,** 59, 49-52, 2003.

2.52. K.N.Yu, C.W.Y.Yip, ***D.Nikezic***, J.P.Y.Ho, V.S.Y.Koo. Comparison among alpha-particle energy losses in air obtained from data of SRIM, ICRU and experiments, Applied Radiation and Isotopes 59, (5-6), 363-366, 2003

2.53. F. M. F. Ng, C. W. Y. Yip, J. P. Y. Ho, **D. *Nikezic*** and K. N. Yu. Non-destructive measurement of active layer thickness of LR 115 SSNTD. Radiation Measurements 38,1-3. 2004.

2.54. ***D. Nikezic***, F.M.F. Ng, K.N. Yu. Sensitivity of LR 115 detectors in hemispherical chambers for radon measurements. Nucl. Instr. Meth B. 217. 637–643, (2004).

2.55. ***D***. ***Nikezic*** and N. Stevanovic. Influence of variability of ^{214}Pb recoil factor on lung dose. Radiation Protection Dosimetry. (2004) 109: 197-199

2.56. M. Kovacevic, ***D. Nikezic*** and A. Djordjevich. Monte Carlo simulation of curvature gauges by ray tracing. Measurement Science and Technology. **15** (2004) 1756–1761.

2.57. N. Stevanovic, ***D. Nikezic*** and A. Djordjevich. The recoil factor of ^{214}Pb. Journal of Aerosol Science. 35(8) 1041-1050, (2004).

2.58. ***D. Nikezic*** and N. Stevanović. Room model with three modal distribution of attached radon progeny. Health Physics. 87(4), (2004),405-409

2.59. K.N. Yu, F.M.F. Ng, ***D. Nikezic***. Measurement of parameters of tracks in CR-39 detector from replicas Radiation Protection Dosimetry. 111(2004), 93-96

2.60. ***Nikezic, D.***, Ng, F.M.F., Yu, K.N., 2004. Theoretical basis for long-term measurements of equilibrium factor using LR 115 detector, Applied Radiation and Isotopes, accepted for publication. 61(6) 1431-1435.

2.61. D. Krstic, ***D. Nikezic***, N. Stevanovic, M. Jelic. (2004) Vertical distribution of ^{137}Cs in soil. Applied Radiation and Isotopes. 61(6)1487-1492.

2.62. Yu, K.N., ***Nikezic, D***., "Letter to the Editor: Radon-222 signatures of natural ventilation regimes in an underground quarry", [Journal of Environmental Radioactivity 71 (2004) 17–32; 72 (2004) 369–370]" ,
Journal of Environmental Radioactivity, Volume 78, Issue 2, October 2004, Pages 247-248

2.63***. D. Nikezic*** and K. N. Yu. Formation and growth of tracks in nuclear track materials. Material Science and Engineering R. (review paper). R, 46, 51-123 (2004).

2.64. ***D. Nikezic*** and K. N. Yu. Are radon gas measurements adequate for epidemiological studies and case control studies of radon-induced lung cancer? Radiation Protection Dosimetry 2005 113(2):233-235.

2.65. N.Stevanovic, ***D. Nikezic***. Stopping power. Projectile and target modeled as oscillators. Physics Letters A. Vol 340/1-4 pp 290-298 , 2005

2.66. M. Kovacevic, ***D. Nikezic,*** A. Djordjevich. Modelling of the Loss and Mode Coupling that are Due to Irregular Core-Cladding Interface in SI POF. Applied Optics. 44 (19): 3898-3903, July 2005.

2.67. ***D. Nikezic***, N.Stevanovic, Radon progeny behavior in diffusion chamber. Nuclear Instruments and Methods Section B. Volume 239, Issue 4, Pages 399-406, October 2005

2.68. Yu, K.N., ***Nikezic, D***., Ng, F.M.F., Leung, J.K.C., "Long-term Measurements of Radon Progeny Concentrations with Solid State Nuclear Track Detectors", Radiation Measurements, Volume 40, Issues 2-6, November 2005, Pages 560-568.

2.69. ***Nikezic, D.***, Ng, F.M.F., C.W.Y. Yip, Yu, K.N., "Application of ray tracing method in studying alpha tracks in SSNTDs", Radiation Measurements, Volume 40, Issues 2-6, Pages 375-379,November 2005.

2.70. Yu, K.N., Ng, F.M.F., ***Nikezic, D***. Measuring depths of sub-micron tracks in CR-39 detector from replicas using Atomic Force Microscopy. Radiation Measurements, Volume 40, Issues 2-6, Pages 380-383, November 2005.

2.71. ***D. Nikezic***, K.N.Yu "Exposures to ^{222}Rn and its progeny derived from implanted ^{210}Po activity". Radiation Measurements. Volume 41, Issue 1, Pages 101-107, January 2006.

2.72. C.W.Y. Yip, ***D. Nikezic***, J.P.Y. Ho and K.N. Yu. Chemical etching characteristics for cellulose nitrate. Materials Chemistry and Physics, Volume 95, Issues 2-3, pages 307-312, February 2006.

2.73. ***D. Nikezic***, D. Kostic, C.W.Y. Yip and K.N. Yu. Comparison among different models of track growth and experimental data. Radiation Measurements, Volume 41, Issue 3, Pages 253-256, March 2006.

2.74. ***D. Nikezic*** and K.N. Yu Computer program TRACK_TEST for calculating parameters and plotting profiles for etch pits in nuclear track materials. Computer Physics Communications, 174(2), 15 January 2006, Pages 160-165.

2.75. Yu KN, Lau BMF, **Nikezic D** "Assessment of environmental radon hazard using human respiratory tract models." Journal of Hazardous Materials 132 (1): 98-110, 2006

2.76 D. Krstic, ***D. Nikezic***. "External doses in humans from 137Cs in soil." Health Physics. 91 (3): 249-257 , 2006

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2.78. S.Y.Y. Leung, ***D. Nikezic***, K.N. Yu. "Passive monitoring of the equilibrium factor inside a radon exposure chamber using bare LR 115 SSNTDs." Nuclear Instruments and Methods A. 564 (1): 319-323 AUG 1 2006

2.79. M. Kovacevic, ***D. Nikezic***. "The influence of the bend on the power distribution in step-index plastic optical fibers and calculation of the bending loss." Applied Optics 45 (26): 6675-6681, 2006.

2.80. ***D. Nikezic***, B. Lau, K.N. Yu. "Comparison of dose conversion factors for radon progeny from the ICRP 66 regional model and an airway tube model of tracheobronchial tree", Radiation and Environmental Biophysics 45 (2): 153-157, 2006.

2.81. D. Krstić and ***D. Nikezić***. Input files with ORNL—mathematical phantoms of the human body for MCNP-4B. Computer Physics Communications, 176, Issue 1, 1 January 2007, Pages 33-37

2.82 ***D. Nikezic***, C.W.Y. Yip, S.Y.Y. Leung, J.K.C. Leung and K.N. Yu. A further study of the (CR–LR) difference technique for retrospective radon exposure assessment. Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Volume 568, Issue 2, 1 December 2006, Pages 792-798.

2.83 S.Y.Y. Leung, ***D. Nikezic***, J.K.C. Leung and K.N. Yu. Derivation of V function for LR 115 SSNTD from its sensitivity to ^{220}Rn in a diffusion chamber. Applied Radiation and Isotopes, Volume 65, Issue 3, March 2007, Pages 313-317

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Journal of Environmental Radioactivity, Volume 92, Issue 1, 2007, Pages 55-61

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2.90. D. Krstic and ***D. Nikezic***. *Conversion coefficients for age dependent ORNL phantoms.* Nuclear Instruments and Methods A. *Volume 580, Issue 1, 21 September 2007, Pages 540-543*

2.91. K.C.C. Tse, F.M.F. Ng, ***D. Nikezic*** and K.N. Yu. *Bulk etch characteristics of colorless LR 115 SSNTD.* Nuclear Instruments and Methods Section B. *263, Issue 1, October 2007, Pages 294-299*

2.92. K.C.C. Tse, ***D. Nikezic*** and K.N. Yu. *Comparative studies of etching mechanisms of CR-39 in NaOH/H2O and NaOH/Ethanol.* Nuclear Instruments and Methods Section B. *263, Issue 1, October 2007, Pages 300-305*

2.93. F.M.F. Ng, ***D. Nikezic*** and K.N. Yu. *Long-term measurements of equilibrium factor with electrochemically etched CR-39 SSNTD.* Nuclear Instruments and Methods Section B. *263, Issue 1, October 2007, Pages 279-283*

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2.95. S.Y.Y. Leung, ***D. Nikezic***, J.K.C. Leung, K.N. Yu *A study of the polyethylene membrane used in diffusion chambers for radon gas concentration measurements.* Nuclear Instruments and Methods Section B. *263, Issue 1, October 2007, Pages 311-316.*

2.96. F.M.F. Ng, K.Y. Luk, ***D. Nikezic*** and K.N. Yu. *Determination of alpha-particle track depths in CR-39 detector from their cross-sections and replica heights.* Nuclear Instruments and Methods Section B. *263, Issue 1, October 2007, Pages 266-270*

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2.101. N. Stevanović and ***D. Nikezić***. Calculation of stopping power for partially stripped ion by using oscillator model. *Eur. Phys. J. D* 42, 397–406, 2007

2.102. D. Krstic, ***D. Nikezic***, N. Stevanovic, D.Vucic. Radioactivity of some domestic and imported building materials from South Eastern Europe. Radiation Measurements 42 (2007) 1731 – 1736.

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3. D. Nikezic, D. Vucic. "The location and distribution of the Bragg peak in the epithelium of a tracheo-bronchial tree" First confer. of Yugoslav Nuclear Society, Beograd 1996.

4. Z. Zunic, J. J. McLaughlin, M. Kovacevic, D. Velickovic, R. Benderac, B. Radak, R. Simovic, D. Nikezic, S. Perovic, V. Gordanic, S. Pavlovic, M. Spasic, M. Demajo, R. Kljajic, G.

Bogdanovic, "Research proposal for national radon project in Yugoslavia". First confer. of Yugoslav Nuclear Society, Beograd 1996.

5. D. Kostic, D. Nikezic "Determining of the track parameters in SSSNTD CR 39 due to the alpha particles". First confer. of Yugoslav Nuclear Society, Beograd 1996.

6. Kostic, Dj.Bek Uzarov, D. Nikezic. "Human somatic and Genetic ionizing radiation injure risks of Kragujevac population in last decade".First confer. of Yugoslav Nuclear Society, Beograd 1996.

CHAPTERS IN NATIONAL MONOGRAPH ON ENVIRONMENTAL RADIATION in SERBIA and Monte Negro

1. ***D. Nikezic***
Radon- the main radioactive contaminant of environment.
III Sump. on natural radiation page 145-190, Vinca, Belgrade 1994

2. S. Glodic-Pavlovic, ***D. Nikezic***
Levels of exposure to ionizing radiation
ibid 1, page 335-360

3. ***D. Nikezic,*** D. Kostic
Sensitivity of CR39 detector for radon measurements in different types of diffusion chambers
ibid 1. page 213-219

4. ***D. Nikezic***, D. Vucic
Calculating the conversion coefficient for basal cells and secretory cells of T-B tree based on three groups of experimental data.
ibid 1. page 361-372

5. D. Krstic, ***D. Nikezic***, R. Benderac, Dj. Bek Uzarov
Experimental determination of the factor of electrostatical collection of radon short lived progeny by using an electret. ibid 1. page 205-211

6. DOMESTIC SCIENTIFIC CONFERENCES

(More than 70 reports were printed in the proceeding of different national conferences about radiation physics, measurement science and optics)

OTHER RELEVANT ACTIVITIES

1.MENTORING

Doctoral dissertation (PhD)
1.1. Diffusion transport of radon throughout porous media. (candidate, Vlade Urosevic) University of Kragujevac 2001

1.2. Vertical distribution of ^{137}Cs and calculation of effective dose (candidate Mr. D. Krstic, University of Kragujevac 2004)

1.3. Calculation of stopping power of heavy charged particle by representing the projectile and target as an assembly of quantum oscillators. (candidate Nenad Stevanovic, University of Kragujevac 2006)

1.4. Calculation of dose conversion factor for real population by application of ICRP66. (Candidate D. Vucic. University of Kragujevac, 2012)

1.5. Simulation of bystander effect in bifurcation structure of trachea bronchial tree of humans. (Candidate Brankica Jovanovic (Novakovic) University of Kragujevac 2012.)

1.6. Determination of dose of gamma radiation from natural radionuclides in construction material. (Candidate, Vesna Manic, University of Nis, Defended 2013).

1.7. Efficiency of CR-39 detector on neutron irradiation. (Candidate B. Milenkovic, University of Kragujevac, 2013.)

1.8. Measurements and analysing of radon measurements with active and pasive method in Banja Luka city. (Candidate Zoran Curguz. University of Kragujevac, Defended 2014).

1.9. Study of exhalation, emanation and measuring techniques of radon. (Candidate, Jelena Stajic, University of Kragujevac, Defended 2016).

Master thesis:

1.1. Improving of radon measurements by adding of electret KGR-1 to diffusion chamber with LR115 detector (mr Dragana Krstic) University of Kragujevac 1994.

1.2. Calculation of absorbed dose from inhaled radon progeny in sensitive cells in T-B tree of humans. mr Dusica Vucic). University of Kragujevac 1995.

1.3. Simulation of radon adsorption on active charcoal and experimental verification. (mr Vlade Urosevic) University of Kragujevac 1997.

1.4. Some performances of LR115 detector in radon and progeny measurements. (A. Janicijevic) University of Kragujevac 1998.

1.5. Recoil factor of ^{214}Pb. (mr Nenad Stevanovic). University of Kragujevac Kragujevac, 2004.

1.6. Absorbed fraction of alpha particles in bifurcation geometry of human lung. (Brankica Novakovic) University of Kragujevac, Kragujevac, 2004.

Specializations. (MsC)

1 . Calculation of calibration coeficient for radon measurements with CR39 detector by Monte Carlo Methods. (Branislav Jovanovi) University of Kragujevac,Kragujevac 1993.

2. Determination of radon concentration in dwellings of Rudnik vilige. Rudnik. (Gordana Markovi) PMF-Kragujevac 1994.

3. Measurements of radon concentration in Po`arevac. (Sofija Djurov) University of Kragujevac,Kragujevac 1994.

4. Zoran Jovanovic. Radioactivity of Raska county with the special attention to the depleted uranium. University of Kragujevac,Kragujevac 2006.

Membership in various commission for PhD and Mphyl defence, without mentoring.

1. dr Svetislav Savovic	PhD
2. mr Dragana Kostic	(Mphyl)
3. mr Ivan Tomljenovic	(Mphyl)
4. mr Krizman Milko	(Mphyl)
5. mr Vladan Jovovic	(Mphyl)
6. Arh Stanko	(MsC)
7. Slobodan Jokic	(MsC)
8. Sofija Forkapic	PhD
9. Ivan Petrovic	PhD

2.PROJECTS

Funded by Serbian Ministry of Science, Technology and Development

2.1. Principal investigator on: Development of computer software for car lenses design (1995).

2.2. Principal investigator on: Development of experimental and theoretical methods in radioecology, (2001-2004)

2.3. Principal investigator on: Theoretical models in dosimetry and microdosimetry. (2005-2009)

2.4. Principal investigator on: Radioecology and dosimetry (2010-2015.)

Funded by Research Grant Council of Hong Kong

2.4. Projects numbers CityU 1004/99P. 9040639, CityU1081/01P and CityU1206/02P. Principal investigator K.N. Yu.

3. ORGANIZING
several national conferences in Environmental Radiation and General Physics.

4. SOFTWARE DEVELOPMENT

4.1. Software for car lenses design. Kragujevac, 1995-96.

4.2. Software for track parameters calculations and plotting the track profiles. Program TEST. Please visit http://www.cityu.edu.hk/ap/nru.htm and go on *Trackology*.

4.3. Software for optical appearance of track in Solid State Nuclear track detectors. Track_Vision. Please visit http://www.cityu.edu.hk/ap/nru.htm and go on *Trackology*.

4.4. Software for sensitivity calculation of track detectors to radon. Please visit www.pmf.kg.ac.rs/radijacionafizika

CITATION

More than 900 independent citation in journals and books.