CURRICULUM VITAE

FAMILY NAME AND NAME

Radulović Mirko

MAILING ADDRESS

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DATE OF BIRTH

9.07.1968.

PLACE OF BIRTH

Kruševac, Serbia

EDUCATION

PhD Thesis, *Noether's Theorem and Theories of Type of Corrected Ammosov-Delone-Krainov Theory*, Faculty of Science, University of Kragujevac, Serbia (2012)

MSc, *Borderline Cases of ADK Theory*, Faculty of Science, University of Kragujevac (2000)

BSc, Faculty of Science, University of Kragujevac (1993)

PROFESSIONAL EXPERIENCE

1993–2012: Assistant, Physics Department, Faculty of Science, University of Kragujevac

2013–Present: Assistant Professor, Physics Department, Faculty of Science, University of Kragujevac

TEACHING EXPERIENCE

- Mathematical Physics
- Theoretical Mechanics
- Quantum Mechanics
- Quantum Informatics
- Informatics/Computer programming

RESEARCH EXPERIENCE

- Interaction of intense low-frequency laser fields with atoms
- Tunneling ionization of atoms by laser beams
- Using the Noether's theorem in order to qualitatively determine a degree of reliability of so-called mixed theories, i.e. those that combine quantum and classical approach

RESEARCH PROJECTS

Quantum Mechanics

2005-2010: Project founded by Serbian Ministry of Science No. **141016**, *Quantum models of open systems*, head of project was professor dr Miroljub Dugić, Faculty of Science, Kragujevac

Radiation Physics

2005-2010: Project founded by Serbian Ministry of Science No. **141023**, *Theoretical and experimental investigations in microdozimetry and radioecology*, head of project was professor dr **Dragoslav Nikezić**, Faculty of Science, Kragujevac

2011-2017: Project founded by Serbian Ministry of Science and Technological Development No. **171021**, *Experimental and theoretical investigations in radiation physics and radioecology*, head of project is professor dr **Dragoslav Nikezić**, Faculty of Science, Kragujevac

LIST OF PUBLICATIONS

1. Papers printed in international journals on ISI list

1. V.M. RISTIĆ, **M.M. RADULOVIĆ**, V.P. KRAINOV, *Impoved treatment of the turning point in tunnel ionization of atoms in a low-frequency electromagnetic field*,
   Laser Physics, Vol. **8**, No. **4**, 928-932 (1998) ISSN: 1054-660X
   http://www.maik.ru/full/lasphys/98/4/lasphys4_98p928full.pdf
2. D. TODOROVIĆ, I. GUTMAN, **M. RADULOVIĆ**, *A stochastic chiral amplification model*,
   Chemical Physics Letters **372**, 464-468 (2003) ISSN: 0009-2614
   DOI: 10.1016/S0009-2614(03)00449-4
3. V.M. RISTIĆ, **M.M. RADULOVIĆ**, *Corollary to Noether's theorem about the conservation of angular momentum and spin in theories that are dealing with strong laser fields*, Laser Physics Letters, Vol. **1**, No. **2**, 79-81 (2004) ISSN: 1612-2011
   DOI: 10.1002/lapl.200310024
4. V.M. RISTIĆ, **M.M. RADULOVIĆ**, T.S. PREMOVIĆ, *Turning point behaviour in tunnel ionization of atoms in super-strong, low-frequency laser fields*,
   Laser Physics Letters, Vol. **2**, No. **6**, 314-317 (2005) ISSN: 1612-2011
   DOI: 10.1002/lapl.200410187
5. V.M. RISTIĆ, J.M. STEVANOVIĆ, **M.M. RADULOVIĆ**, *Transition rate dependence on the improved turning point in ADK-theory*,
   Laser Physics Letters, Vol. **3**, No. **6**, 298-300 (2006) ISSN: 1612-2011
   DOI: 10.1002/lapl.200610009
6. V.M. RISTIĆ, T.B. MILADINOVIĆ, **M.M. RADULOVIĆ**, *Transition Rate Dependence on the Non-Zero Initial Momentum in the ADK-Theory*,
   Acta Physica Polonica A, Vol. **112**, No. **5**, 909-914 (2007) ISSN: 0587-4246
   http://przyrbwn.icm.edu.pl/APP/PDF/112/a112z529.pdf
7. V.M. RISTIĆ, T.B. MILADINOVIĆ, **M.M. RADULOVIĆ**, *Analyzing the Transition Rates of the Ionization of Atoms by Strong Fields of a CO_2 Laser Including Nonzero Initial Momenta*,

Laser Physics, Vol. **18**, No. **10**, 1183-1187 (2008) ISSN: 1054-660X
http://www.springerlink.com/content/95553415174167m6/fulltext.pdf

8. V.M. RISTIĆ, T.B. MILADINOVIĆ, **M.M. RADULOVIĆ**, *Calculating Ionization Transition Rate for Circularly Polarized Fields, Including Non-Zero Initial Momentum*,
Acta Physica Polonica A, Vol. **116**, No. **4**, 504-506 (2009) ISSN: 0587-4246
http://przyrbwn.icm.edu.pl/APP/PDF/116/a116z417.pdf

9. V.M. RISTIĆ, **M.M. RADULOVIĆ**, T.B. MILADINOVIĆ, *Stern-Gerlach Experiment's Interpretations and Noether's Theorem*, International Journal of Theoretical Physics, Vol. **50**, No. **11**, 3602-3609 (2011) ISSN: 0020-7748
DOI: 10.1007/s10773-011-0867-y

10. J.M. STEVANOVIĆ, T.B. MILADINOVIĆ, **M.M. RADULOVIĆ**, V.M. RISTIĆ, *Ionization rate for circularly polarized laser fields with modified ionization potential included*, Physica Scripta **T149**, 014046 (2012) ISSN: 0031-8949
DOI: 10.1088/0031-8949/2012/T149/014046

11. T.B. MILADINOVIĆ, J.M. STEVANOVIĆ, **M.M. RADULOVIĆ**, V.M. RISTIĆ,
The energy at which the maximum number of photoelectrons are observed during the ionization of potassium and xenon atoms,
Physica Scripta **T149** 014047 (2012) ISSN: 0031-8949
DOI: 10.1088/0031-8949/2012/T149/014047

12. **M. M. RADULOVIĆ**, J. M. STEVANOVIĆ, T. B. MILADINOVIĆ, V. M. RISTIĆ,
The role of the non-zero initial momentum and modified ionization potential in the corrected Ammosov-Delone-Krainov theory,
Romanian Journal of Physics, Vol. **58**, Nos.**1-2**, 127-135 (2013)
ISSN: 1221-146X
http:// www.nipne.ro/rjp/2013_58_1-2/0127_0135.pdf

13. V. M. RISTIĆ, **M. M. RADULOVIĆ**, T. B. MILADINOVIĆ, J. M. STEVANOVIĆ,
Getting Deeper Insight Into Stopping Power Problems in Radiation Physics Using the Noether's Theorem Corrolarry,
Nuclear Technology & Radiation Protection, Vol. **29**, No. **1**, 24-27 (2014)
ISSN: 1451-3994
DOI: 10.2298/NTRP1401024R

2. Papers printed in national journals

1. V.P. KRAINOV, **M.M. RADULOVIĆ**, V.M. RISTIĆ,
Electron energy maximum in tunneling ionization of atoms and ions of potassium,
Coll. Sci. Pap. Fac. Sci. Kragujevac **17**, 137-148 (1995) ISSN: 1450-9636
http://www.pmf.kg.ac.rs/KJS/index.php?option=com_content&view=article&id=24&Itemid=4

2. V.M. RISTIĆ, **M.M. RADULOVIĆ**,
About the behavior of corrections to the transition rate for tunnel ionization of atoms and ions by a strong low-frequency electromagnetic field,
Coll. Sci. Pap. Fac. Sci. Kragujevac **20**, 129-134 (1998) ISSN: 1450-9636
http://www.pmf.kg.ac.rs/KJS/index.php?option=com_content&view=article&id=27&Itemid=4

3. VLADIMIR RISTIĆ, **MIRKO RADULOVIĆ**,
Thought experiment and computer experiment - similarities and differences,
Kragujevac Journal of Science **23**, 47-50 (2001) ISSN: 1450-9636
http://www.pmf.kg.ac.rs/KJS/volumes/kjs23/kjs23risticradulovic47.pdf

4. V.M. RISTIĆ, **M.M. RADULOVIĆ**, J.M. STEVANOVIĆ,
Transition rates dependence on the turning point,
Kragujevac Journal of Science **27**, 31-38 (2005) ISSN: 1450-9636
http://www.pmf.kg.ac.rs/KJS/volumes/kjs27/kjs27risticradulovic31.pdf

3. Papers printed in international conferences

1. V.P. KRAINOV, **M.M. RADULOVIĆ**, V.M. RISTIĆ,
Maksimum energije elektrona pri tunelnoj jonizaciji atoma i jona jakim niskofrekvetnim elektromagnetnim poljem, XIII jugoslovenski simpozijum o fizici kondenzovane materije, Apstrakti, Vrnjačka banja, 111 (1993)
2. **M.M. RADULOVIĆ**, V.M. RISTIĆ,
Comments on origin of Berry's phase from quantum and semi-classical point of view,
Quantum Systems: New Trends and Metods, ed. A.O. Barut et al., World Scientific, Singapore, 229-233 (1995) ISBN: 981-02-2099-5
2. V.M. RISTIĆ, **M.M. RADULOVIĆ**,
Corrections to the transition rate for tunnel ionization of atoms and ions by a strong low-frequency electromagnetic field,
19th SPIG, Contributed Papers, 171-174 (1998)
3. V.M. RISTIĆ, **M.M. RADULOVIĆ**,
Judging the problem of energy conservation in ADK-theory using Noether's theorem,
21st SPIG, Contributed Papers, 48-51 (2002) ISBN: 86-83481-07-7
4. V.M. RISTIĆ, **M.M. RADULOVIĆ**,
Corollary of Noether's theorem concerning angular momentum conservation in mixed theories,
Proceedings of Fifth General Conference of the Balkan Physical Union, August 25-29, 277-280 (2003)
5. V.M. RISTIĆ, **M.M. RADULOVIĆ**, T.S. PREMOVIĆ,
Turning Point Behaviour in Tunnel Ionization of Atoms in Super-strong Low-frequency Laser Fields,
22nd SPIG, Contributed Papers, 51-54 (2004) ISBN: 86-7306-063-6
6. V.M. RISTIĆ, J.M. STEVANOVIĆ, **M.M. RADULOVIĆ**,
Transition Rate Dependance on the Atom Charge States, Z,
23rd SPIG, Contributed Papers, 83-87 (2006) ISBN: 86-82441-18-7
7. V.M. RISTIĆ, T.B. MILADINOVIĆ, **M.M. RADULOVIĆ**,
Some aspects of including non-zero initial momenta into ionization of atoms by strong low-frequency laser fields,
Publ. Astron. Obs. Belgrade No. **84**, 231-235 (2008) ISSN: 0373-3742
8. V.M. RISTIĆ, **M.M. RADULOVIĆ**, T.B. MILADINOVIĆ, J.M. STEVANOVIĆ,
A New Testing of the Noether's Theorem Corollary,
26th SPIG, Contributed Papers, 51-54 (2012) ISBN: 978-86-7031-244-9