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Obrazovanje: 1991. Diplomirani inženjer, Elektrotehnički fakultet, Univerzitet u Beogradu
1995. Magistar tehničkih nauka - oblast Nauka o materijalima, Univerzitet u Beogradu
1997. Doktor tehničkih nauka –oblast Nauka o materijalima, Univerzitet u Beogradu

Zvanja: 1993. Istraživač pripravnik
1995. Istraživač saradnik
1998. Naučni saradnik
2002. Viši naučni saradnik
2007. Naučni savetnik

Članstva u društvima i telima:

- Međuodjeljski odbor za fizičku hemiju materijala SANU (2003-2011);
- Matični naučni odbor za elektroniku, telekomunikacije i informacione tehnologije MPNTR (2010-)
- Interdisciplinarni naučni odbor za informacione i komunikacione tehnologije MPNTR (2010-)

Profesionlno iskustvo: 1993 – 2003. Centar za multidisciplinarne studije, Odsek za nauku o materijalima, Univerzitet u Beogradu;
2003 – Institut za hemiju, tehnologiju i metalurgiju, Centar za mikroelektronske tehnologije, Univerzitet u Beogradu
2011 – Rukovodilac Centra za mikroelektronske tehnologije

Oblasti interesovanja: Proučavanje i karakterizacija materijala i površina; Skenirajuća mikroskopija (SPM); MEMS/NEMS tehnologije i komponente; Poluprovodnička fizika; Fotoakustična i fototermaalna spektroskopija

Stručne veštine: SPM; infracrvena spektroskopija; Fotoakustična i fototermaalna spektroskopija;

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Znanje jezika: Engleski

Najznačajniji projekti:

Međunarodni projekti – FP7

2013-2016. New Permanent Magnets for Electric-Vehicle Drive Applications (MAG-DRIVE), Proj. ref. 605348, 7th Framework Programme, Commission of the European Communities, Research Directorate; (Rukovodilac tima iz IHTM); website: <http://mag-drive-fp7.eu/>;

2008-2012. Reinforcement of Regional Microsystems and Nanosystems Centre REGMINA, Proj. No. 205533, 7th Framework Programme, Commission of the European Communities, Research Directorate, (Kordinator projekta u periodu 2011-2012.); website: <http://www.nanosys.ihtm.bg.ac.rs/Regmina/index.html>

Međunarodni – COST akcije

2015-2018. Hooking together European research in atomic layer deposition - HERALD, COST Action No.MP1402, (MC Substitute); website: <http://www.european-ald.net/>

Ostali međunarodni projekti

2015-2016. Label-Free Detection of Cancer Cells by Fiber-Optic Sensing Technique Based on Low-Coherence Interferometry - cellFOS, Agreement No AN583, Austrian Center for Medical Innovation and Technology (ACMIT), OnkoTec GmbH & Donau-Universität Krem; (Rukovodilac tima iz IHTM).

2012-2014. Phase Change Actuator (PCA) , Agreement No AN194, Austrian Center for Medical Innovation and Technology (ACMIT), (Rukovodilac tima iz IHTM);

2005-2008. Micro-nano cantilever based detection of small electromagnetic forces, Proj. ref. IB7320-110923, Swiss National Science Foundation, SCOPES (Scientific co-operation between Eastern Europe and Switzerland)

Nacionalni projekti - primenjena istraživanja:

2011-2016. Mikro, nano-sistemi i senzori za primenu u elektroprivredi, procesnoj industriji i zaštiti životne sredine TR-32008, Ministarstvo za prosvetu, nauku i tehnološki razvoj Republike Srbije; (Rukovodilac projekta);

2008-2010. Mikrosistemske, nanosistemske tehnologije i komponente, TR 11027, Ministarstvo za nauku i tehnološki razvoj Republike Srbijet, (Rukovodilac projekta tokom 2010. god.);

2005-2007. Mikro i nanosistemske tehnologije, strukture i senzori, TR-6151, Ministarstvo nauke i zaštite životne sredine Republike Srbije;

2002-2004. Mikrosistemske i nanosistemske tehnologije za senzore i optoelektroniku, IT.1.04.0062.B Ministarstvo za nauku i tehnološki razvoj Republike Srbije;

1996-2000. Mikroelektronika, optoelektronika i mikrosistemske tehnologije, 10E05, Ministarstvo za nauku i tehnologiju Republike Srbije;

1993-1995. Materijali za mikroelektroniku i optoelektroniku, Br. 1001, Ministarstvo za nauku i tehnologiju Republike Srbije;

Izabrane Monografije, poglavlja u knjigama:

- publikacije:** 1. B. Todorović-Marković, Z. Marković, I. Draganić, **D. Vasiljević-Radović**, N. Romčević, M. Romčević, M. Dramićanin. Surface Modification of Fullerene Thin Films by Different Multiple Charged Ions, in Progress in Fullerene Research, Ed:Milton Lang, Nova Science Publishers, New York, 2007, 369-383, ISBN#: 9781600218415

Publikovani radovi:

1. T.B. Tomkovic, F.Radovanovic, A.B. Nastasovic, **D. Vasiljević-Radović**, J. Markovic, B. N. Grgur, A.E. Onjia, Solid phase extraction membranes with submicron multifunctional adsorbent particles, EUROPEAN POLYMER JOURNAL, (2015), vol. 63 br. , str. 90-100;
2. K.M. Antić, M.M. Babić, J.J. Vuković, **D. Vasiljević-Radović**, A.E. Onjia, J.M. Filipović, S.L. Tomić, Preparation and characterization of novel P(HEA/IA) hydrogels for Cd²⁺ ion removal from aqueous solution, Applied Surface Science, (2015) [doi:10.1016/j.apsusc.2015.02.133](https://doi.org/10.1016/j.apsusc.2015.02.133).
3. F.Radovanovic, A.B. Nastasovic, T.B. Tomkovic, **D. Vasiljević-Radović**, A. Nestic, S.J. Velickovic, A.E. Onjia, Novel membrane adsorbers incorporating functionalized polyglycidyl methacrylate, REACTIVE & FUNCTIONAL POLYMERS, (2014), vol. 77 br. , str. 1-10.
4. M. Obradov, Z. Jaksic, **D. Vasiljević-Radović**, Suppression of noise in semiconductor infrared detectors using plasmonics, Journal of Optics, (2014), vol. 16 br. 11, 125011 [doi:10.1088/2040-8978/16/12/125011](https://doi.org/10.1088/2040-8978/16/12/125011)
5. M.V. Pergal, J. Nestorov, G.I. Tovilovic, S.B. Ostojic, D.M. Godjevac, **D. Vasiljević-Radović**, J.A. Djonlagic,, Structure and properties of thermoplastic polyurethanes based on poly(dimethylsiloxane): Assessment of biocompatibility, JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, (2014), vol. 102 br. 11, str. 3951-3964.
6. Z.S. Jaksic, D.V. Pantelic, M.J. Sarajlic, S.N. Savic-Sevic, J.B. Matovic, B.M. Jelenkovic, **D. Vasiljević-Radović**, S.B. Curcic, S.M. Vukovic, V.Pavlovic, J. Buha, V.B. Lackovic, M.M. Labudovic-Borovic, B. Curcic, Butterfly scales as bionic templates for complex ordered nanophotonic materials: A pathway to biomimetic plasmonics, OPTICAL MATERIALS, (2013), vol. 35 br. 10, str. 1869-1875.
7. Z .M. Jovanović, A.M. Kalijadis, **D. Vasiljević-Radović**. M. Erić, M. Laušević, S. Mentus, Z. V. Laušević, Modification of glassy carbon properties under low energy proton irradiation, CARBON, (2011), vol. 49 br. 12, str. 3737-3746.
8. B. Antić, A. Kremenović, I. Draganić, Ph. Colomban, **D. Vasiljević-Radović**, J. Blanuša, M. Tadić and M. Mitrić, Effects of O²⁺ ions beam irradiation on crystal structure of rare earth sesquioxides, Applied Surface Science, 225(17) (2009) 7601-7604.
9. M. Počuča, G. Branković, Z. Branković, **D. Vasiljević-Radović**, D. Poleti, Microstructure of LaNiO₃ thin films obtained by the spin-on technique from citrate precursors, Ceramics International, 34(2) (2008) 299-303.
10. N. Ignjatović, P. Ninkov, Z. Ajduković, **D. Vasiljević-Radović**, D. Uskoković, Biphasic calcium phosphate coated with poly-d,l-lactide-co-glycolide biomaterial as a bone substitute, Journal of the European Ceramic Society, 27 (2-3) (2007) 1589-1594.
11. M. Počuča, G. Branković, Z. Branković, **D. Vasiljević-Radović**, D. Poleti, Optimization of processing parameters for preparation of LaNiO₃ thin films from the citrate precursors, Journal of the European Ceramic Society, 27 (2-3) (2007) 1083-1086.
12. B. Gaković, M. Trtica, D. Batani, T. Desai, P. Panjan, **D. Vasiljević-Radović**, Surface modification of titanium nitride film by a picoseconds Nd:YAG laser, Journal of Optics A: Pure and Applied Optics, 9 (2007) 76–80.
13. B. Todorović- Marković, **D. Vasiljević-Radović**, N. Romčević, M. Romčević, M. Dramićanin, J. Blanuša, Z. Marković, Synthesis of amorphous carbon nitride by single and multiple charged nitrogen ion bombardment of fullerene thin films, J. Phys. D: Appl. Phys., 40 (2007) 4264–4270.
14. Todorovic-Markovic B, Draganic I, **D. Vasiljević-Radović**, Romcevic N, Blanusa J, Dramicanin M, Markovic Z. Structural modification of fullerene thin films by highly charged iron ions. Applied Physics A-Materials Science & Processing; 89 3 (2007) 749-754.
15. Z. Jakšić, **D. Vasiljević-Radović**, M. Maksimović, M. Sarajlić, A. Vujanić, Z. Djurić, Nanofabrication of negative refractive index metasurfaces, Microelectronic Engineering, 83(4-9) (2006) 1786-1791.
16. Z.D. Dohčević-Mitrović, A. Milutinović, D. Popović, **D. Vasiljević-Radović** and Z.V. Popović, Variable energy gap of

- SiCN nanopowders, Applied Physics A-Materials Science & Processing, 84 (1-2) (2006) 197-202.
17. A. Isaković, Z. Marković, N. Nikolić, B. Todorović-Marković, S. Vranješ-Djurić, Lj. Harhajić, N. Raicević, N. Romcević, **D. Vasiljević-Radović**, M. Dramićanin, V. Trajković, Inactivation of nanocrystalline C60 cytotoxicity by γ -irradiation, Biomaterials, 27 (2006) 5049-5058.
 18. **D. Vasiljević-Radović**, P.M. Nikolić, K.T. Radulović, A.I. Bojičić, D. Luković, S. Savić, S. Vujatović, V. Blagojević, L. Lukić, D. Urošević, Photoacoustic investigations of thermal and electronic properties of single crystal Ge doped with Cr, Journal de Physique IV, Vol.125, (2005), 435-438.
 19. K.T. Radulović, P.M. Nikolić, **D. Vasiljević-Radović**, D. M. Todorović, S.S. Vujatović, A. I. Bojičić, V. Blagojević, D. Urošević, "A Contribution of Carrier Transport Processes to the Photoacoustic Effects in Doped Narrow Gap Semiconductors", Rev.Sci.Instrum., 74(1) (2003) 595-597.
 20. D.M. Todorović, P.M. Nikolić, A. Bojičić, M. Smiljanić, **D. Vasiljević-Radović**, K.T. Radulović, "Photopyroelectric Elastic Bending Method", Rev.Sci. Instrum., 74(1) (2003) 635-638.
 21. P.M. Nikolić, **D. Vasiljević-Radović**, K.T. Radulović, S. Đurić, D.I. Siapkas, T.T. Zorba, M.M. Ristić, "Far-Infrared Reflectivity Properties of BaTiO3 Ceramics", Z. Metallkd., 92(2) (2001) 115-118.
 22. P.M. Nikolić, D.M. Todorović, S.S. Vujatović, S. Đurić, P. Mihajlović, V. Blagojević, K.T. Radulović, A. I. Bojičić, **D. Vasiljević-Radović**, J. Elazar, D. Urošević, "Anisotropy in Thermal and Electronic Properties of Single Crystal GeSe2 Obtained by the Photoacoustic Method", Jpn.J. Appl.Phys., 37 (1998) 4925-30.
 23. M.B.Miletić, P.M.Nikolić, **D. Vasiljević-Radović**, A.I.Bojičić, The omega sigma method: A new contactless comparison method for measuring electrical conductivity of nonferromagnetic conductors, Rev.Sci.Instr., 68 (9) (1997) 3528-32.
 24. M.D.Dramićanin, Z.D.Ristovski, P.M.Nikolić, **D.G.Vasiljević**, D.M.Todorović, "Photoacoustic investigation of transport in semiconductors: Theoretical and experimental study of a Ge single crystal", Physical Review B, 51(20) (1995) 14226-32.
 25. D.M.Todorović, P.M.Nikolić, **D.G.Vasiljević**, Z.D.Ristovski: "Photoacoustic frequency heat transmission technique: thermal and carrier transport parameters measurements in silicon", J.Appl.Phys, 78 (1995) 5750-5.
 26. D.M.Todorović, P.M.Nikolić, **D.G.Vasiljević**, M.D.Dramićanin: "Photoacoustic investigation of thermal and transport properties of amorphous GeSe thin films", J.Appl.Phys., 76 (1994) 4012-21.
 27. P.M.Nikolić, W.B.Roys, Z.Maričić, G.A.Glendhill, S.Đurić, G.Radukić, V.Radišić, P.Mihajlović, D.M.Todorović, **D.G.Vasiljević**, "Optical Properties of Guanidium Aluminium Sulphate Hexahydrate (GASH)", J.Phys.Condens.Mater., 5 (1993) 3039-48.

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