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Profesionalno iskustvo Oblasti interesovanja Projekti Izabrane publikacije

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1982 diplomirani inženjer - Tehnološko-metalurški fakultet Univerziteta u Beogradu
1988 Magistar tehničkih nauka - Centar za Multidisciplinarnu studiju Univerziteta u Beogradu:
Teza: *Faktori stabilnosti titanskih anoda aktiviranih oksidima rutenijuma i iridijuma*
1994 Doktor tehničkih nauka - Tehnološko-metalurški fakultet Univerziteta u Beogradu
Disertacija - *Zavisnost površinskih osobina staklastog ugljenika od strukture i naknadnog tretmana*

Zvanja: **1984** Istraživač pripravnik
1989 Istraživač saradnik
1994 Naučni saradnik
1997 Viši naučni saradnik
2004 Naučni savetnik

Članstva u društvima: **Srpsko hemijsko društvo** - član Upravnog odbora
Predsednik Elektrohemijske sekcije Srpskog hemijskog društva od 2001. -2006. godine
International Society of Electrochemistry (Nacionalni predstavnik Srbije od 2011)
Saveza hemijskih inženjera, Beograd, Srbija
Član redakcionog odbora **Journal of the Serbian Chemical Society** od 1999
Član redakcionog odbora **Journal of Electrochemical Science and Engineering** od 2011

Profesionalno iskustvo: **1982 – 1983** Istraživačka stanica Petnica, Valjevo
1983 – danas IHTM – Centar za elektrohemiju

Oblasti interesovanja:

- Provodni oksidni materijali i njihove osobine
- Površinske i elektrohemijske osobine ugljeničnih materijala
- Površinska karakterizacija materijala visokovakuumskim spektroskopskim tehnikama (AES i XPS) i skenirajućom tunelskom mikroskopijom (STM).

Stručne veštine: AES, XPS, STM
CorelDraw, WEB design

Znanje jezika: Engleski

Citiranost: **839 (653 bez autocitata svih autora), maj 2016; h index = 15**

Najznačajniji projekti: **Međunarodni:**
1986 – 1990 Energetski efikasni elektrodni materijali. Sistemi: inertan substrat - aktivirana površina. Jugoslovensko-američki fond, JFP-676 (DOE). IHTM Centar za elektrohemiju - Case Western Reserve University, Cleveland, Ohio, USA,
2004 – 2006 [ECO-PCCM - Eco-Houses Based on Eco-Friendly Polymer Composite Construction Materials](#) - European Commission, Sixth ramework Programme
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Osnovna istraživanja:

1983-1995 Elektrodi, elektrokataliza i elektrohemijska konverzija energije, Ministarstvo za nauku Republike Srbije
1988-1991 Fundamentalna istraživanja površine materijala i elektrohemijskih procesa za nove tehnologije, Ministarstvo za nauku SFRJ
1996-2000 Elektrodi i elektrokataliza, Ministarstvo za nauku Republike Srbije
1996-2000 Razvoj savremenih hemijskih tehnologija i osvajanje proizvodnje deficitarnih materijala koji se primenjuju u baznoj, hemijskoj, metaloprerađivačkoj, naftnoj i drugim industrijama - Ministarstvo za nauku i tehnologiju Republike Srbije
2002-2004 Provodne oksidne prevlake u elektrokatalizi i superkondenzatorima (izučavanje elektrohemijskih

osobina oksidnih elektrodnih prevlaka na različitim nosačima (titan, ugljeni prahovi) dobijenih različitim postupcima baziranim na sol-gel postupku) - Ministarstvo za nauku, tehnologije i razvoj Republike Srbije

2006-2010 Kompozitni materijali na bazi ugljenika, metala i oksida metala u elektrokatalizi i procesima skladištenja energije, Ministarstvo za nauku, tehnologije i razvoj, Republika Srbija

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Izabrane publikacije:
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Poglavlja u knjigama:

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Publikovani radovi:

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2. Aleksandar Dekanski, Ivana Drvenica, Olgica Nedić, [Peer-review process in journals dealing with chemistry and related subjects published in Serbia](#) Chemical Industry and Chemical Engineering Quarterly (CI&CEQ), 22(4) 491–501 (2016); doi:10.2298/CICEQ160328033D
3. Marcel Ausloos, Olgica Nedić, Aleksandar Dekanski, [Day of the week effect in paper submission/acceptance/rejection to/in/by peer review journals](#), Physica A: Statistical Mechanics and its Applications, 456, 197–203 (2016); doi:10.1016/j.physa.2016.03.032
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5. Gavriilo Šekularac, Milica Košević, Ivana Drvenica, Aleksandar Dekanski, Vladimir Panić, Branislav Nikolić Titanium coated with high-performance nanocrystalline ruthenium oxide synthesized by the microwave-assisted sol–gel procedure [Titanium coated with high-performance nanocrystalline ruthenium oxide synthesized by the microwave-assisted sol–gel procedure](#), J. Solid State Electrochem. 20(11) 3115–3123 (2016) DOI: 10.1007/s10008-016-3343-z
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7. Aleksandar Dekanski, [How to present and publish research results](#), J. Serb. Chem. Soc., 79(12) 1561-1570 (2014) doi:10.2298/JSC140610066D, (2014)
8. Sanja I. Stevanović, Dušan V. Tripković, Vladimir V. Panić, Aleksandar B. Dekanski and Vladislava M. Jovanović, [Platinum Electrocatalyst Supported on Glassy Carbon: A Dynamic Response Analysis of the Pt Activity Promoted by Substrate Anodization](#), RSC Adv., 4, 3051–3059 (2014)
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11. Sanja I. Stevanović, Vladimir V. Panić, Aleksandar B. Dekanski, Amalija V. Tripković and Vladislava M. Jovanović, [Relationships between structure and activity of carbon as a multifunctional support for electrocatalysts](#), Phys. Chem. Chem. Phys., 14 (26) (2012) 9475–9485.
12. D. Dekanski, S. Ristić, N. V. Radonjić, N. D. Petronijević, A. Dekanski and D. M. Mitrović, [Olive leaf extract modulates cold restraint stress-induced oxidative changes in rat liver](#), J. Serb. Chem. Soc., 76(9), 1207-1218 (2011).
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14. Vladimir Panić, Aleksandar Dekanski, Vesna B. Mišković-Stanković, Slobodan K. Milonjić, Branislav Ž. Nikolić, [Differences in the electrochemical behavior of ruthenium and iridium oxide in electrocatalytic coatings of activated titanium anodes prepared by the sol–gel procedure](#), J. Serb. Chem. Soc., 75(10), 1413–1420 (2010).
15. Vladimir Panić, Aleksandar Dekanski, Miodrag Mitrić, Slobodan K. Milonjić, Vesna B. Mišković-Stanković, Branislav Ž. Nikolić, [The Effect of the Addition of Colloidal Iridium Oxide into Sol-Gel Obtained Titanium and Ruthenium Oxide Coatings on Titanium on Their Electrochemical Properties](#), Phys. Chem. Chem. Phys., 12(27) (2010) 7521-7528.
16. V.V. Panić, R.M. Stevanović, V.M. Jovanović, A.B. Dekanski, [Electrochemical and capacitive properties of thin-layer carbon black electrodes](#), Journal of Power Sources, 195(13), 3969-3976 (2010).
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18. V. V. Panić, A. B. Dekanski, V. B. Mišković-Stanković and B. Ž. Nikolić [The study of capacitance change during electrolyte penetration through carbon-supported hydrous ruthenium oxide prepared by the sol-gel procedure](#), Chemical and Biochemical Engineering Quarterly, 23(1), 23-30 (2009)
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20. V. V. Panić, T. R. Vidaković, A. B. Dekanski, V. B. Mišković-Stanković and B. Ž. Nikolić, [Capacitive properties of RuO₂-coated titanium electrodes prepared by the alkoxide ink procedure](#), J. Electroanal. Chem, 609(2) 120-128 (2007)
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35. V. Panić, A. Dekanski, G. Wang, M. Fedoroff, S. Milonjić, B. Nikolić, [The Morphology of RuO₂-TiO₂ Coatings and TEM Characterization of Oxide Sols Used for the Coating Preparation via Sol-Gel Route](#), J. Colloid Interface. Sci., 263, 68-73 (2003).
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42. V. Panić, A. Dekanski, S. Milonjić, R. Atanasoski and B. Nikolić, [The influence of the aging time of RuO₂ and TiO₂ sols on the electrochemical properties and behavior for the chlorine evolution reaction of activated titanium anodes obtained by the Sol-Gel procedure](#), Electrochim. Acta, 46 (2-3) 415 - 421, (2000).

43. V. V. Panić, A. Dekanski, S. K. Milonjić, R. T. Atanasoski and B. Ž. Nikolić, [RuO₂-TiO₂Coated Titanium Anodes Obtained by the Sol-Gel Procedure and Their Electro-chemical Behaviour in the Chlorine Evolution Reaction](#), Colloids and Surfaces A: Physicochemical and Engineering Aspects, 157, 269 (1999).
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Saopštenja:

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2. R. R. Adžić, N. A. Anastasijević, Z. M. Dimitrijević i **A. Dekanski**, Vosstanovlenie kisloroda na poverhnosti rutenija pereobrazovanom absorbatami talija i svinca, Simpozium "Materiali '85", Knjiga radova str. 66, Poznan - Polska, oktobar 1985.
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4. **A. Dekanski**, N. S. Marinković, J. Stevanović, V. M. Jovanović, Z. Laušević and M. Laušević, Properties of Glassy Carbon Modified by Immersing in Metal Cation Solutions, 7th International Conference on Solid Surface, Abstract AS-ThP37, Koln - BRD, 25. - 29. September 1989.
5. V. M. Jovanović, J. Stevanović, **A. Dekanski** and R. T. Atanasoski, Electrochemically Activated Glassy Carbon Electrodes, 41st ISE Meeting, Proceeding Fr-26, Praha - ČSR, 20. - 25. August 1990.
6. V. M. Jovanović, **A. Dekanski**, J. Stevanović, N. Marinković, B. Nikolić i R. Atanasoski, Modifikacija elektrohemijski tretiranog staklastog ugljenika, 12. jugoslovenski simpozijum o elektrohemiji, Knjiga radova, str. 131-132, Igman, jun 1991.
7. N. S. Marinković, **A. Dekanski** i R. R. Adžić, Topografija monokristalnih površina korišćenjem skanirajuće tunelirajuće mikroskopije u vazduhu, 34. Savetovanje hemičara Srbije, Izvodi radova str. 117, Beograd, januar 1992.
8. **A. Dekanski**, V. M. Jovanović, J. Stevanović and N. S. Marinković, Electrochemically Activated and Modified Glassy Carbon Electrodes: Surface Charactreization, 43rd ISE Meeting, Proceeding 2-16, p. 176, Cordoba - Argentina, 20. - 25. September 1992.
9. A. Dekanski, Karakterizacija površine materijala, Tehnološko-metalurški fakultet Univerziteta Kiril i Metodij, Skopje, 9. 12. 1993. godine.
10. **A. Dekanski**, V. M. Jovanović, P. Despotov, B. Nikolić and R. Atanasoski, Corrosion Stability of Active Coatings on Titanium and Glassy Carbon Substrates in Chlorine Evaluation Reaction, 44th ISE Meeting, Abstract P. II. 3.35, Berlin - Germany, 5. - 10. September 1993.
11. **A. Dekanski**, V. M. Jovanović, J. Stevanović and R. Atanasoski, STM Images of Silver Modified Glass-Like Carbon, 45th ISE Meeting, Abstract V 14, Porto - Portugal, 28. August - 2. September 1994.
12. **A. Dekanski**, R. Stevanović, V. M. Jovanović, J. Stevanović, Površinska karakterizacija elektroda od staklastog ugljenika i provodnog polimera delimično prekrivanih platinom i srebrom, 13. jugoslovenski simpozijum o elektrohemiji, Prošireni izvodi radova # 91, Vrnjačka Banja, 11-15. jun 1995.

13. S. N. Marinković, S. V. Stanković, **A. Dekanski**, i Lj. I. Stanković, Deponovanje dijamantskih prevlaka na rezne alate, 37. Savetovanje Srpskog hemijskog društva - sa međunarodnim učešćem, Izvodi radova KR 18, str. 52, Novi Sad, 1-2. jun 1995.
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