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**Education:**

- 1977 Gymnasium "Mitrovačka gimnazija" (ex Gymnasium "Ivo Lola Ribar") Sremska Mitrovica
- 1982 BSc - Faculty of Technology and Metallurgy, University of Belgrade
- 1988 MSc. - Center for Multidisciplinary Studies, University of Belgrade.
Thesis: Stability Factors of Titanium Anodes Activated by Ru and Ir Oxides
- 1994 PhD. - Faculty of Technology and Metallurgy, University of Belgrade
Thesis: Dependence of Surface Properties of Glass-Like Carbon on Its Structure and Subsequent Treatment

Research Ranks:

- 1984 Research Trainee
- 1989 Research Assistant
- 1994 Research Associate / Assistant Research Professor
- 1997 Senior Research Associate / Associate Research Professor
- 2004 Principal Research Fellow / Full Research Professor

Memberships:

- [Serbian Chemical Society](#) – Member of the Steering Committee;
President of the [Electrochemistry Division](#) (2001-2006)
- [International Society of Electrochemistry](#) (National representative of Serbia, from 2010)
- Co-Chair of the Organizing Committee of the 71st Meeting of the International Society of Electrochemistry, 30 August - 4 September, Belgrade, Serbia Serbia (<https://annual71.ise-online.org>)
- [International Association of Physical Chemists \(IAPC\)](#)
- [Saveza hemijskih inženjera](#), Belgrade, Serbia
- [Serbian Society of Corrosion and Materials Protection](#) (Honorary member)
- Member of the Editorial Board and Journal manager of the [Journal of the Serbian Chemical Society](#), from 1999

- Member of the Editorial Board of [the Journal of Electrochemical Science and Engineering](#), from 2011
- Journal manager of [Hemjska Industrija](#) since 2006

Professional Experience:

- 1982 - 1983: [Petnica Science Center](#), Valjevo
- 1983 to the present: [IHTM – Department of Electrochemistry](#)

Research Interests:

- Surface and electrochemical properties of carbon materials
- Surface characterization by ultra-high vacuum techniques (AES, XPS) and STM
- Conductive oxide materials and their properties
- Morphology and structural characterization of conductive oxides and electroactive oxide coatings (XRD, STM and SEM characterization)
- Capacitive and pseudocapacitive properties of conductive oxides (CV, EIS)
- Electrocatalytic behavior of conductive oxides (chlorine and oxygen evolution reaction, electroorganic synthesis)

Professional Skills:

AES, XPS, STM, CorelDraw, WEB design, Joomla

Social:

ORCID: <https://orcid.org/0000-0003-3122-8342>

Google Scholar: <https://scholar.google.com/citations?hl=en&user=5JYjhlUAAAAJ>

ResearcherID <http://www.researcherid.com/rid/B-6541-2008>

Scopus: [Author ID: 6603564330](#)

Publons: <https://publons.com/researcher/519272/aleksandar-dekanski/>

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LinkedIn: <https://www.linkedin.com/in/dekanski/>

FB: <https://www.facebook.com/dekanski>

Citations: 1256 (1016 without self-citations of all authors), *h* index = 18 (SCOPUS, 28. 12. 2020)

Language Skills: English

Projects

International:

- 1986-1989 - Energy Efficient Electrode Materials. Systems: Inert Substrate - Active Surface, Yugoslav-American Project: ICTM-Department of Electrochemistry, Belgrade – Case Western Reserve University, Cleveland, Ohio, USA, JFP 676 (DOE)
- 2004 – 2006 [ECO-PCCM - Eco-Houses Based on Eco-Friendly Polymer Composite Construction Materials](#) - European Commission, Sixth framework Programme
- 2014 – 2018 TD COST Action TD1306 - [New Frontiers of Peer Review](#) (PEERE)
- 2016-2017 Bilateral Project Serbia-Croatia: High Power Graphene/Redox Pseudocapacitive Materials Based Electrochemical Supercapacitors, Serbian principal investigator

Basic Research:

- 1981-1995 **Electrodics and Electrocatalysis and Electrochemical Energy Conversion** - Ministry of Science and Technology, Republic of Serbia,
- 1996-2000 **Electrodics and Electrocatalysis** - Ministry of Science and Technology, Republic of Serbia,
- 1988-1991 **Fundamental Research of Material Surfaces and Electrochemical Processes in New Technologies**, Ministry of Science SFRY,
- 1996-2000 **Development of New Chemical Technologies and Production of Deficit Materials for Basic, Chemical, Metal, Oil and Other Industries** - Ministry of Science and Technology, Republic of Serbia,
- 2002-2005 **Conductive oxide coatings in electrocatalysis and supercapacitors** (Investigation of the electrochemical properties of oxide coatings prepared by different procedures based on sol-gel route and applied onto different substrates (titanium, carbon black)), Ministry of Science, Technology and Development of Serbia,
- 2006-2010 **Composite materials based on carbon, metals and metal oxides in electrocatalysis and energy storage processes**, Ministry of Science, Technology and Development of Serbia
- 2011-2014 **New approach in designing materials for energy conversion and energy storage systems**, Ministry of Education and Science of Republic of Serbia

Other:

- 2019-2020 **Meet Electrochemistry**, science promotion project, Center for the Promotion of Science

Publications:

Monographs and Chapters:

1. **Aleksandar Dekanski** and Jasmina Stevanović, *Interactive Catalytic Performances of Carbonaceous Materials in Electrochemistry* in [Metals and Metal-Based Electrocatalytic Materials for Alternative Energy Sources and Electronics](#), ed. Jasmina Stevanović, Nova Science Publishers, Inc., Hauppauge, NY, USA, 2019, pp. 1-65; ISBN 978-153614663-9, e-ISBN 978-153614664-6
2. **Aleksandar Dekanski**, Metalni oksidi – elektrokatalizatori, in *Uloga teorije u razvoju industrijske katalize*, urednik P. Putanov, Vojvođanska akademija nauka i umetnosti, Radovi, Knjiga XIII, Odeljenje prirodnih nauka, Knjiga I, Novi Sad, 1992.

Catalog

3. **Aleksandar Dekanski**, [Meet electrochemistry through Belgrade School of Electrochemistry / Упознај електрохемију кроз Београдску школу електрохемије](#), Exhibition catalog, Institute of Chemistry, Technology and Metallurgy, University of Belgrade, National Institute of the Republic of Serbia, Beograd and Museum of Science and Technology, Belgrade Serbia, Beograd, 2020, ISBN 978-86-82977-82-7

Published Papers:

1. Aleksandar Dekanski, Meet electrochemistry through Belgrade School of Electrochemistry, (Catalog overview), *Phlogiston* **28** (2020) 437-442
2. Aleksandar Dekanski, Electrochemistry – A Science that Lives in Belgrade, *Navoj*, **15(1)** (2020) 30-35
3. Jelena Bajat, **Aleksandar Dekanski**, End view of the 71st Annual Meeting of the International Society of Electrochemistry, Belgrade Online, *Hemijska Industrija* **74(5)** (2020) <https://doi.org/10.2298/HEMIND201015029B>
4. **Aleksandar Dekanski**, Belgrade School of Electrochemistry, *J. Serb. Chem. Soc.* **85(9)** (2020) 1237-1250 <https://doi.org/10.2298/JSC200905052D>
5. Maciej J. Mrowinski, Agata Fronczak, Piotr Fronczak, Olgica Nedic, **Aleksandar Dekanski** [The hurdles of academic publishing from the perspective of journal editors: a case study](#), *Scientometrics* (2020). <https://doi.org/10.1007/s11192-020-03619-x>
6. Ivana Drvenica, **Aleksandar Dekanski**, Nevena Buđevac, Ivan Umeljić, Olgica Nedić, [Is there a need for systematic education on peer-reviewing in Serbia?](#), *Hemijska Industrija* **73(5)** (2019) 275-279
7. Marcel Ausloos, Olgica Nedić, **Aleksandar Dekanski**, [Seasonal Entropy, Diversity and Inequality Measures of Submitted and Accepted Papers Distributions in Peer-Reviewed Journals](#), *Entropy*, **21(6)** (2019) 564
8. **Aleksandar Dekanski**, 150 godina Periodnog sistema elemenata, *Hemijski pregled* **60(1)** (2018) 2-10
9. Ivana Drvenica, Giangiacomo Bravo, Lucija Vejmelka, **Aleksandar Dekanski** and Olgica Nedić, [Peer Review of Reviewers: The Author's Perspective](#), *Publications* **7(1)** (2019) 1 <https://doi.org/10.3390/publications7010001>

10. **Aleksandar Dekanski**, Kome će stići pismo adresirano imenima elemenata iz Periodnog sistema, *Elementi* **15** (2018) 8-16
11. **Aleksandar Dekanski**, Superkondenzatori, *Hemijski pregled* **59(5)** (2018) 114-121
12. Olgica Nedić, Ivana Drvenica, Marcel Ausloos, **Aleksandar B. Dekanski**, [Efficiency in managing peer-review of scientific manuscripts – editors' perspective](https://doi.org/10.2298/JSC180531066N), *J. Serb. Chem. Soc.* **83(12)** (2018) 1391-1405 <https://doi.org/10.2298/JSC180531066N>
13. **Aleksandar Dekanski**, Vladimir V. Panić, [Elektrohemijski superkondenzatori: Princip rada, komponente i aktivni materijali](http://dx.doi.org/10.2298/10.2298/HEMIND180515016D), *Hemijska industrija* **72(4)** (2018) 229-251 <http://dx.doi.org/10.2298/10.2298/HEMIND180515016D>
14. **Aleksandar Dekanski**, Ivana Drvenica, Olgica Nedić, Kako recenzirati naučni rad, *Zaštita Materijala* **58(3)** (2017) 259–270 <http://dx.doi.org/10.5937/ZasMat1703259D>
15. **Александар Декански**, Ивана Дрвеница, Олгица Недић, Рецензирање, кључни елемент процеса евалуације научног сазнања: Како то добро урадити? Предавање по позиву, 5. конференција младих хемичара Србија, Београд, 29. и 30. септембар 2017, Књига радова (ISNB 978-86-7132-066-5), КМН S1, 161-167
16. Milica Košević, Denis Sačer, **Aleksandar Dekanski**, Vladimir Panić, [Microwave assisted hydrothermal synthesis and capacitive properties of RuO₂/reduced graphene oxide composites](https://doi.org/10.1002/celc.201700609), *54th Meeting of the Serbian Chemical Society*, Belgrade, Serbia, September 29-30, 2017, Proceedings (ISNB 978-86-7132-066-5), MS 02, 133-138
17. Gavriilo Šekularac, Milica Košević, **Aleksandar Dekanski**, Veljko Djokić, Matjaž Panjan, Vladimir Panić, [High Energy/Power Supercapacitor Performances of Intrinsically Ordered Ruthenium Oxide Prepared through Fast Hydrothermal Synth](http://dx.doi.org/10.1002/celc.201700609), *ChemElectroChem* **4(10)** (2017) 2535–2541 <http://dx.doi.org/10.1002/celc.201700609>
18. Denis Sačer, Magdalena Kralj, Suzana Sopčić, Milica Košević, **Aleksandar Dekanski**, Marijana Kraljić Roković, [Supercapacitors based on graphene/pseudocapacitive materials](https://doi.org/10.2298/JSC170207027S), *J. Serb. Chem. Soc.* **82(4)** (2017) 411-416 [http://dx.doi.org/10.2298/JSC170207027S](https://doi.org/10.2298/JSC170207027S)
19. Marcel Ausloos, Olgica Nedić, **Aleksandar Dekanski**, Maciej J. Mrowinski, Piotr Fronczake Agata Fronczake, [Day of the week effect in paper submission/acceptance/rejection to/in/by peer review journals](https://doi.org/10.1016/j.physa.2016.10.078). II. An ARCH econometric-like modeling, *Physica A: Statistical Mechanics and its Applications* **468** (2017) 462–474 [10.1016/j.physa.2016.10.078](https://doi.org/10.1016/j.physa.2016.10.078)
20. **Aleksandar Dekanski**, Ivana Drvenica, Olgica Nedić, [Peer-review process in journals dealing with chemistry and related subjects published in Serbia](http://dx.doi.org/10.2298/CICEQ160328033D) *Chemical Industry and Chemical Engineering Quarterly* **22(4)** (2016) 491–501 <http://dx.doi.org/10.2298/CICEQ160328033D>
21. Marcel Ausloosa, Olgica Nedić, **Aleksandar Dekanski**, [Day of the week effect in paper submission/acceptance/rejection to/in/by peer review journals](http://dx.doi.org/10.1016/j.physa.2016.03.032), *Physica A: Statistical Mechanics and its Applications* **456** (2016) 197–203 <http://dx.doi.org/10.1016/j.physa.2016.03.032>
22. Olgica Nedic, **Aleksandar Dekanski**, [Priority criteria in peer review of scientific articles](https://doi.org/10.3390/publications7010001), *Scientometrics* **107(1)** (2016) 15–26 <https://doi.org/10.3390/publications7010001>
23. Gavriilo Šekularac, Milica Košević, Ivana Drvenica, **Aleksandar Dekanski**, Vladimir Panić, Branislav Nikolić [Titanium coated with high-performance nanocrystalline ruthenium oxide](https://doi.org/10.1002/celc.201700609)

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24. O. Nedić and **A. Dekanski**, [A survey on publishing policies of the Journal of the Serbian Chemical Society – On the occasion of the 80th volume](#), *J. Serb. Chem. Soc.* **80(7)** 959–969 (2015) <http://dx.doi.org/10.2298/JSC150306036N>
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27. Vladimir V. Panić, **Aleksandar B. Dekanski**, Branislav Ž. Nikolić, [Tailoring the supercapacitive performances of noble metal oxides, porous carbons and their composites](#), *J. Serb. Chem. Soc.* **78(12)** (2013) 2141–2164 <http://dx.doi.org/10.2298/JSC131031128P>
28. **A. Dekanski** i V. Panić, D. Dekanski, <http://www.researcherid.com>, *Hemijski pregled* **53(5)** (2012) 137
29. Branislav Ž. Nikolić, Vladimir V. Panić, **Aleksandar B. Dekanski**, [Intrinsic potential-dependent performances of a sol-gel-prepared electrocatalytic IrO₂-TiO₂ coating of dimensionally stable anodes](#), *Electrocatalysis* **3** (2012) 360–368 <http://dx.doi.org/10.1007/s12678-012-0086-1>
30. 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 <http://dx.doi.org/10.1039/c2cp40455a>
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32. **A. Dekanski** i V. Panić, D. Dekanski, Hemijske knjige, *Hemijski pregled* **52(2)** (2011) 52
33. 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)** (2011) 1207–1218 <http://dx.doi.org/10.2298/JSC110204107D>
34. Z. Stević, M. Rajčić-Vujasinović, S. Bugarinović, **Aleksandar Dekanski**, [Construction and characterisation of double layer capacitors](#), *Acta Physica Polonica A* **117(1)** 228–233 (2010).
35. **A. Dekanski** i V. Panić, D. Dekanski, Korisni i zanimljivi sajtovi, *Hemijski pregled* **51(6)** (2010) 155
36. 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)** (2010) 1413–1420 <http://dx.doi.org/10.2298/JSC100310078P>
37. **A. Dekanski** i V. Panić, D. Dekanski, Pirelijeva međunarodna nagrada, *Hemijski pregled* **51(5)** (2010) 130

38. 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 <http://dx.doi.org/10.1039/B921582D>
39. **A. Dekanski** i V. Panić, D. Dekanski, Klub mladih hemičara Srbije - KMHS, *Hemijski pregled* **51(1)** (2010) 24
40. 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)** (2010). 3969-3976 <https://doi.org/10.1016/j.jpowsour.2010.01.028>
41. **A. Dekanski** i V. Panić, D. Dekanski, Tri sajta korisna za učenike, *Hemijski pregled* **50(6)** (2009) 162
42. **A. Dekanski** i V. Panić, D. Dekanski, Baze podataka informacija za istraživanja RIO-DB, *Hemijski pregled* **50(4)** (2009) 110
43. **A. Dekanski** i V. Panić, D. Dekanski, Forenzička hemija, *Hemijski pregled* **50(3)** (2009) 83
44. Z. Stević, M. Rajčić Vujasinović, **Aleksandar Dekanski**, [Estimation of parameters obtained by electrochemical impedance spectroscopy on systems containing high capacities](#) *Sensors* **9(9)** (2009) 7365-7373 <https://doi.org/10.3390/s90907365>
45. **A. Dekanski** i V. Panić, D. Dekanski, Virtuelna hemija <http://neon.chem.ox.ac.uk/vrchemistry/>, *Hemijski pregled* **50(1)** (2009) 27
46. V. V. Panić, **Aleksandar 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)** (2009) 23-30
47. **A. Dekanski** i V. Panić, D. Dekanski, Pretraživanje literature X, *Hemijski pregled* **49(5)** (2008) 120
48. **ŽA. Dekanski** i V. Panić, D. Dekanski, Chemical forums, *Hemijski pregled* **49(4)** (2008) 98
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50. **A. Dekanski** i V. Panić, D. Dekanski, Srpski hemijski blogovi i forumi, *Hemijski pregled* **49(2)** (2008) 41
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70. **Aleksandar Dekanski**, Vladimir Panić, Dragana Dekanski, Virtuelna laboratorija - Model ChemLab, *Hemijski pregled* **46(5)** (2005) 115
71. V. V. Panić, **Aleksandar Dekanski**, T. R. Vidaković, V. B. Mišković-Stanković, B. Z. Jovanović, B. Ž. Nikolić, [Oxidation of phenol on RuO₂-TiO₂/Ti anodes](#), *Journal of Solid State Electrochemistry* **9(1)** (2005) 43-54
72. **Aleksandar Dekanski**, Vladimir Panić, Dragana Dekanski, Hemijski softver II, *Hemijski pregled* **46(4)** (2005) 96
73. **Aleksandar Dekanski**, Vladimir Panić, Dragana Dekanski, Hemijski softver, *Hemijski pregled* **46(3)** (2005) 69
74. V. Panić, **Aleksandar Dekanski**, V. Mišković-Stanković, B. Nikolić, S. Milonjić, [The role of sol-gel procedure condition in electrochemical behaviour and corrosion stability of Ti/\(TiO₂-RuO₂\) nodes](#), *Materials and Manufacturing Processes* 20(1) (2005) 89-103
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