Dr Dušan M. Jovanović,
Doktor fizičko hemijskih nauka

naučni savetnik

Rukovodilac Centra za katalizu i hemijsko inženjerstvo, IHTM

Profesionalno iskustvo Oblasti interesovanja Projekti Izabrane publikacije

Adresa: NU Institut za hemiju, tehnologiju i metalurgiju, Univerzitet u Beogradu, Centar za katalizu i hemijsko inženjerstvo, Njegoševa 12, 11000 Beograd 6,
PAK 125213, Republika Srbija
Lokacija Centra: Beograd, zgrada Hemijskog fakulteta, Studentski trg 12-16, III sprat, soba 609.

Telefon: (+381) 11 26 30 213; (+381) 11 26 37 977

Faks: (+381) 11 26 37 977

Mobilni telefon: (+381) 64 257 35 87 i 69 257 35 87

Elektronska pošta: **dusanmj@yahoo.com** ; dusanmj@nanosys.ihtm.bg.ac.rs

Mesto i datum rođenja: 21.06.1951, Beograd

Obrazovanje: **1975:** Diplomirao, PMF, Odsek za fizičko hemijske nauke, Univerzitet u Beogradu, Beograd
1977: Poslediplomske studije/specijalizacija, PMF, Odsek za fizičko hemijske nauke, Univerzitet u Beogradu, Beograd
1989: Doktorirao, PMF, Odsek za fizičko hemijske nauke, Univerzitet u Beogradu, Beograd

Zvanja: **1977-1979:** Istraživač pripravnik
1980-1989: Istraživač saradnik
1989-1994: Naučni saradnik
1995-2001: Viši naučni saradnik
od 2002: Naučni savetnik

Članstva u društvima: Srpsko hemijsko društvo, Društvo fiziko hemičara Srbije, Srpsko keramičko društvo

Profesionlno iskustvo: **1977-1985. i od 1987:** IHTM – Centar za katalizu i hemijsko inženjerstvo, Beograd
Od 2003: Direktor IHTM - Centra za katalizu i hemijsko inženjerstvo, Beograd
1985-1986: Hemijska industrija RIVIERA, Kotor, Crna Gora, Rukovodilac fizičko hemijske laboratorije i Rukovodilac kontrole kvaliteta
1982, 1985, 1989: Specijalizacija u US EPA, Triangle Research Park, NC (Severna Karolina), SAD
1990-1991: Predstavnik SR Jugoslavije u OECD-u u Sekciji za zaštitu životne okoline
1995-1998: Savetnik i konsultant Vlade Republike Crne Gore i Ministarstva za zaštitu životne sredine Crne Gore

Nagrade i priznanja: Nema

Oblasti interesovanja: kataliza, kinetika, hemijsko inženjerstvo, primenjena kataliza, adsorpcija, hidrogenacija, jestiva ulja i masti, zaštita životne sredine, gline i glineni materijali, prirodni silikatni materijali

Stručne veštine: Rad na raznoj laboratorijskoj opremi (AAS, HPLC, GC, ICP,....) i poznavanje odgovarajućih profesionalnih softverskih paketa

Citiranost: Bez autocitata 627 (ukupna 765), h-index 13 (SCOPUS)

Znanje jezika: engleski jezik (čita i piše)

Najznačajniji projekti: **Međunarodni:**

1979-1982	*Reduction of CO and HC Auto Emissions*, Glavni istraživač
1984-1987	*Perovskite Catalysts for Exhaust Gas Purification*, Glavni istraživač
1989-1992	*Perovskite-Catalysis for Exhaust Gas Purification*, Glavni istraživač
2003-2005	*Modified Nickel-Containing Catalysts for Vegetable oil Hydrogenation*, Rukovodilac projekta
2004-2006	*Synthesis and Catalytic Properties of Heterogeneous Catalysts, part I*, Rukovodilac projekta
2005-2007	*Morphology, Texture and Properties of Modified Nickel-Containing Catalyst precursors for Vegetable Oil Hydrogenation*, Rukovodilac projekta

2006-2009	*Synthesis and Catalytic Properties of Heterogeneous Catalysts, part II*, Rukovodilac projekta
2009-2011	*Ni/SiO_2 Catalysts for Edible Oil Hydrogenation with Controlled Pore Structure*, Rukovodilac projekta
2010-2011	*Synthesis and Catalytic Properties of Heterogeneous Catalysts*, Rukovodilac projekta
2011-2013	*Ni/SiO_2 Catalysts for Edible Oil Hydrogenation with Controlled Pore Structure - Part 2*, Rukovodilac projekta
2014-2016	*New Nano-Sized Hydrogenation Catalysts Based on Metals of VIII Group*, Rukovodilac projekta

Osnovna istraživanja:

2008-2010: Mezoporozni i nanomaterijali u katalitičkim i sorpcionim procesima, Rukovodilac projekta

Primenjena istraživanja:

1997-2000: Ekstrakcija nikla iz istrošenih hidrogenacionih katalizatora i sinteza novih katalizatora. Rukovodilac projekta

2002-2004: Modifikacija prirodnih silikatnih materijala i sinteza novih tipova hidrogenacionih katalizatora na silikatnom nosaču, Rukovodilac projekta

2005-2008: Istraživanje i razvoj tehnologije novih proizvoda iz sekundarnih mineralnih sirovina Kolubarskog ugljenog basena, Rukovodilac projekta

Ostalo: Integralna interdisciplinarna istraživanja (III)

2011-2016: Nanostrukturni funkcionalni i kompozitni materijali u katalitičkim i sorpcionim procesima, Rukovodilac projekta

Izabrane publikacije: **Monografije, poglavlja u knjigama:**

1. **D.Jovanović**, M.Stanković, D.Guzina, B.Marković, S.Miljanić:
New Challenges in Catalysis IV, Serbian Academy of Science and Arts,
Branch in Novi Sad, Monographs, Ed. P.Putanov,
"Low-trans catalyst. The new trend in the development of edible oil hydrogenation catalyst"
p. 227 - 238, 2005, Belgrade, **ISBN 86-7025-396-8**

2. D.Skala, A.Orlović, **D.Jovanović**, O.Ocić :
New Challenges in Catalysis IV, Serbian Academy of Science and Arts,
Branch in Novi Sad, Monographs, Ed. P.Putanov,
"Mathematical model of reactor for hydrodesulfurization of light gas oil"
p. 169 - 199, 2005, Belgrade, **ISBN 86-7025-396-8**

3. A.Milutinović-Nikolić, Ž.Čupič, **D.Jovanović**:
"The role of catalsysis in sustainable development"
in CATALYSIS AS SCIENTIFIC-TECHNICAL DISCIPLINE IN SOCIAL PROGRESS,
SCIENCE AND EDUCATION, New Challenges in Catalysis V, Editor P.Putanov,
Serbian Academy of Sciences and Arts, Branch in Novi Sad, pp. 163-182, Belgrade, 2008
ISBN: 978-86-81125-70-0

4. A.B.Nastasović, Z.P.Sandić, D.D.Maksin, A.E.Onjia, A.D.Milutinović-Nikolić, **D.M.Jovanović**:
NON-POROUS AND MACROPOROUS AMINO-FUNCTIONALIZED
GLYCIDYL METHACRYLATE BASED COPOLYMERS FOR HEXAVALENT CHROMIUM SORPTION,
in "Chromium: Environmental, Medical and Materials Studies", Editor: Margaret P. Salden,
Nova Science Publishers, pp. 155-172, Inc., NY, USA, 2011
ISBN: 978-1-61122-656-0

5. J.Krstić, Z.Mojović, A.Abu Rabi, D.Lončarević, N.Vukelić, **D.Jovanović**:
Survival and Sustainability, Environmental Concerns in the 21th Century, Environmental Earth Sciences, part 7,
"Adsorption of Methylene Blue from Aqueous Solution onto Bentonite", Editors Huseyin Gokcekus,
Umut Turker and James W. LaMoreaux, Springer - Verlag, Berlin, Heidelberg, 2011, pp. 1097-1106 ;
DOI: 10.1007/978-3-540-95991-5_103
ISBN: 978-3-540-95990-8

6. M.Davidovic, M.Kutin, S.Linic, U.Mioc, Z.Nedic, S.Sredic, A.Nikolic, **D.Jovanovic**, P.Pissis:
„Nanocomposite Based on Natural Materials", Advances in Diverse Industrial Applications of Nanocomposites,
Edited by Boreddy S. R. Reddy, pp. 37 - 56, Published by InTech, Rijeka, Croatia, March 2011
ISBN: 978-953-307-202-9

7. S.Rakovsky, D.Garlanov, D.Filkova, **D.Jovanović**:
"Plasma Devices and Preparing of Nanconductive Materials",
Proceedings of the III Advanced Ceramics and Applications Conference, 2015, Atlantis Press, Nederland, China, France,
Editors: W.E.Lee, R.Gadow, V.Mitic, N.Obradovic, p. 45–58 (2015)
ISBN 978-94-6239-156-7, DOI 10.2991/978-94-6239-157-4_4

8. P.Banković, A.Ivanović-Šašić, Z.Mojović, N.Jović-Jovičić, M.Žunić, A.Milutinović-Nikolić, **D.Jovanović**:
"Modified Clays in Environmental Protection",
Proceedings of the III Advanced Ceramics and Applications Conference, 2015, Atlantis Press, Nederland, China, France,
Editors: W.E.Lee, R.Gadow, V.Mitic, N.Obradovic, p. 221–240 (2015)
ISBN 978-94-6239-156-7, DOI 10.2991/978-94-6239-157-4_16

9. U. B. Mioc, Z. D. Mojovic, **D. M. Jovanovic**:
"Multielectron Redox Catalysts",
Encyclopedia of Membranes, E. Droli, L. Giorno (eds.), Springer-Verlag Berlin Heidelberg, 2016
DOI 10.1007/978-3-642-40872-4_1035-1

Publikovani radovi:

1. M.Gabrovska, J.Krstić, R.Edreva-Kardjieva, M.Stanković, **D.Jovanović** :
"The influence of the support on the properties of nickel catalysts for edible oil hydrogenation"
Appl. Catalysis A, General, **299**, 73-83 (2006)

2. Lj. Rožić, S. Petrović, T. Novaković, Ž. Čupić, Ž.Grbavčić, **D. Jovanović**:
"Textural and fractal properties of CuO/Al_2O_3 catalyst supports"
Chemical Engineering Journal, **120 (1-2)**, 55 - 61 (2006)

3. Z.Vuković, A.Milutinović-Nikolić. Lj.Rožić, A.Rosić, Z.Nedić, **D.Jovanović**:
"The influence of acid treatment on the composition of bentonite"
Clays and Clay Minerals, **54(6)**, 697-702 (2006)

4. S.Petrović, V.Rakić, **D.Jovanović**, A.Terlecki-Baričević:
"Oxidation of CO over Ru contained perovskite type oxides"
Appl.Catalysis B, Environmental, **66 (3-4)**, 249 - 257 (2006)

5. M.Stanković, P.Banković, B.Marković, Z.Vuković, **D.Jovanović**:
"Hydrogenation of Soybean Oil over Ag-Ni/Diatomite Catalysts. Effect of Silver Content on the Cis/Trans Isomerization Selectivity",
Materials Science Forum, **518**, 295-300 (2006)

6. S.Lazarević, I.Janković-Častvan, **D.Jovanović**, S.Milonjić, Dj.Janaćković, R.Petrović:
"Adsorption of Pb^{2+}, Cd^{2+} and Sr^{2+} ions onto natural and acid-activated sepiolites"
Applied Clay Science, **37 (1-2)**, 47-57 (2007)

7. Z.P.Cherkezova-Zheleva, M.G.Shopska, J.B.Krstić, **D.M.Jovanović**, I.G.Mitov, G.B.Kadinov:
"A Study of the Dispersity of Iron Oxide and Iron Oxide-Noble Metal (Me=Pd, Pt) Supported Systems"
Russian Journal of Physical Chemistry A, **81(9)**, 1471-1476 (2007)

8. D.Jašin, A.Abu Rabi, S.Mentus, **D.Jovanović**:
"Oxygen reduction reaction on spontaneously and potentiodynamically formed Au/TiO_2 composite surfaces"
Electrochimica Acta, **52 (13)**, 4581 - 4588 (2007)

9. S.Simić, B.Dunjić, S.Tasić, B.Božić, **D.Jovanović** , I.Popović:
"Synthesis and characterization of interpenetrating polymer networks with hyperbranched polymers through thermal-UV dual curing"
Progress in Organic Coatings, **63(1)**, 43-48 (2008)

10. S.Sredić, M.Davidović, A.Spasojević-de-Bire, U.B.Mioč, M.Todorović, D.Šegan, **D.Jovanović**, G.Polizos, P.Pissis:
"Inorganic-inorganic nanocomposite: Surface and conductive properties"
Journal of Physics and Chemistry of Solids, **69 (8),** 1883-1890 (2008)

11. N.Jović-Jovičić, A.Milutinović-Nikolić, I.Gržetić, **D.Jovanović**:
"Organobentonite as efficient textile dye sorbent"
Chemical Engineering and Technology, **31(4)**, 567-574 (2008)

12. I.Lukić, J.Krstić, **D.Jovanović**, D.Skala:
"Alumina/silica supported K_2CO_3 as a catalyst for biodiesel synthesis from sunflower oil"
Bioresource Technology, **100 (20)**, 4690 - 4696 (2009)

13. Z. Mojović, P. Banković, A. Milutinović-Nikolić, J. Dostanić, N. Jović-Jovičić, **D.Jovanović**:
"Al,Cu-pillared clays as catalysts in environmental protection"
Chemical Engineering Journal, **154 (1-3)**, 149 - 155 (2009)

14. Z.Mojović, A.Milutinović-Nikolić, S.Mentus, **D.Jovanović**:
"Electrocemical oxidation of phenol on metal-impregnated zeolite electrode"
Chemical Engineering and Technology, **32(5)**, 738-744 (2009)

15. P.Banković, A.Milutinović-Nikolić, N.Jović-Jovičić, J.Dostanić, Ž.Čupić, D.Lončarević, **D.Jovanović**:
"Synthesis, characterisation and application of Al,Fe-pillared clays"
Acta Physica Polonica A, **115(4)**, 811-815 (2009)

16. P.Banković, A.Milutinović-Nikolić, Z.Mojović, A.Rosić, Ž.Čupić, D.Lončarević, **D.Jovanović**:
"Toluene degradation in water using AlFe-pillared clay catalysts"
Chinese Journal of Catalysis (Cuihua Xuebao), **30(1)**, 14-18 (2009)

17. M.Gabrovska, D.Nikolova, J.Krstić, M.Stanković, P.Stefanov, R.Edreva-Kardjieva, **D.Jovanović** :
"The State of Nickel in the Silver Modified NiMg/SiO_2 Vegetable Oil Hydrogenation Catalysts"
Russian Journal of Physical Chemistry A, **83(9)**, 1461-1467 (2009)

18. P.Banković, A.Milutinović-Nikolić, A.Rosić, N.Jović-Jovičić, **D.Jovanović** :
"Structural and textural properties of Al,Fe - pillared clay catalysts"
Russian Journal of Physical Chemistry A, **83(9)**, 1485 - 1489 (2009)

19. Z. Cherkezova-Zheleva, H. Kolev, J.Krstić, D. Dimitrov, K. Ivanov, D.Loncarevic, **D.Jovanović**, I.Mitov :
"Characterisation of Double Oxide System Cu - Cr - O Supported on γ-Al_2O_3"
Russian Journal of Physical Chemistry A, **83(9)**, 1436-1441 (2009)

20. M.Stanković, M.Gabrovska, J.Krstić, P.Tzvetkov, M.Shopska, T.Tzacheva, P.Banković, R.Edreva-Kardjieva, **D.Jovanović**:
"Effect of silver modification on structure and catalytic performance of Ni-Mg/diatomite catalysts for edible oil hydrogenation"
Journal of Molecular Catalysis A: Chemical, **297 (1)**, 54 - 62 (2009)

21. A.Šućurović, N.Vukelić, Lj. Ignjatović, I. Brčeski, **D.Jovanović** :
"Physical-chemical characteristics and oxidative stability of oil obtained from lyophilized raspberry seed"
European Journal of Lipid Science and Technology, **111(11)**, 1133 - 1141 (2009)

22. D.Lončarević, J.Krstić, J.Dostanić, D.Manojlović, Ž.Čupić, **D.M.Jovanović** :
"Cyclohexane oxidation and cyclohexyl hydroperoxide decomposition by poly(4- vinylpyridine-co-divinylbenzene) supported cobalt and chromium complexes"
Chemical Engineering Journal, **157 (1)**, 181 - 188 (2010)

23. Z.Mojović, P.Banković, A.Milutinović-Nikolić, B.Nedić, **D.Jovanović**:
"Co-aluminosilicate based electrodes"
Applied Clay Science, **48 (1-2)**, 179-184 (2010)

24. N.Jović-Jovičić, A.Milutinović-Nikolić, P.Banković, Z.Mojović, M.Žunić, I.Gržetić, **D. Jovanović**:
"Organo-inorganic bentonite for simultaneous adsorption of Acid Orange 10 and lead ions"
Applied Clay Science, **47 (3-4)**, 452 - 456 (2010)

25. P.Banković, Z.Mojović, A.Milutinović-Nikolić, N.Jović-Jovičić, S.Marinović, **D.Jovanović** :
"Mixed pillared bentonite for electrooxidation of phenol"
Applied Clay Science, **49(1-2)**, 84 - 89 (2010)

26. Z.Mojović, L.Jovanović, S.Mentus, **D.Jovanović**:
"Reduction of oxygen at a NaX-Ag composite electrode and its application to the determination of oxygen in queous media"
Journal of Analytical Chemistry, **65(1)** , 77-81 (2010)

27. Z.Mojović, A.Milutinović-Nikolić, P.Banković, S.Mentus, **D.Jovanović**:
"Electrochemical behavior of silver-impregnated Al-pillared smectite in alkaline solution"
Journal of Solid State Electrochemistry, 14(9), 1621 (2010),

28. M.Mojović, M.Daković, M.Omerašević, Z.Mojović, P.Banković, A.Milutinović-Nikolić, **D.Jovanović** :
"The paramagnetic pillared bentonites as digestive tract MRI contrast agents"
International Journal of Modern Physics B, **24(6-7)**, 780-787 (2010),

29. I.Lukić, J.Krstić, S.Glišić, **D.Jovanović** , D.Skala:
"Biodiesel synthesis using K_2CO_3/Al-O-Si catalyst - comparison of different catalyst preparation procedure"
Journal of the Serbian Chemical Society, **75(6)**, 789-801 (2010)

30. N.Jović-Jovičić, A.Milutinović-Nikolić, P.Banković, B.Dojčinović, B.Nedić, I.Gržetić, **D.Jovanović** :
"Synthesis, characterisation and adsorptive properties of organobentonites"
Acta Physica Polonica A, **117(5)**, 849 - 854 (2010)

31. S.Simić, I.Popović, B.Dunjić, S.Tasić, B.Božić, **D.Jovanović** :
"The influence of different components on interpenetrating polymer network's (IPN's) characteristics as automotive top coats"
Progress in Organic Coatings, **68**, 293-298 (2010)

32. Z.Mojović, N.Jović-Jovičić, P.Banković, M.Žunić, A.Abu Rabi-Stanković, A.Milutinović-Nikolić, **D.Jovanović**:
"Electrooxidation of phenol on different organobentonite-based electrodes"
Applied Clay Science, **53**, 331-335 (2011)

33. S.Marinović, Z.Vuković, A.Nastasović, A.Milutinović-Nikolić, **D.Jovanović**:
"Poly(glycidyl methacrylate-*co*-ethylene glycol dimethacrylate)/clay composite"
Materials Chemistry and Physics, **128**, 291 - 297 (2011)

34. Z.Mojović, P.Banković, N.Jović-Jovičić, A.Milutinović-Nikolić, A.Abu Rabi Stanković, **D.Jovanović**:
"Electrocatalytic behavior of nickel impregnated zeolite electrode"
International Journal of Hydrogen Energy, **36(21)**, 13343-13351 (2011)

35. Z.Mojović, N.Jović-Jovičić, A.Milutinović-Nikolić, P.Banković, A.Abu Rabi Stanković, **D.Jovanović**:
"Phenol determination on HDTMA-bentonite-based electrodes"
Journal of Hazardous Materials, **194**, 178 - 184 (2011)

36. Z.P.Sandić, A.B.Nastasović, N.P.Jović-Jovičić, A.D.Milutinović-Nikolić, **D.M.Jovanović**:
"Sorption of textile dye from aqueous solution by macroporous aminofunctionalized copolymer"
Journal of Appleid Polymer Science, **121(1)**, 234 - 242 (2011)

37. J.Dostanić, D.Lončarević, P.Banković, O.Cvetković, **D.Jovanović**, D.Mijin :
"Influence of process parameters on the photodegradation of synthesized azo pyridone dye in TiO_2 water suspension under simulated sunlight"
Journal of Environmental Science and Health, Part A: Toxic Hazardous Substance and Environmental Engineering, **46(1)**, 70-79 (2011)

38. A.Milutinović-Nikolić, J.Dostanić, P.Banković, N.Jović-Jovičić, S.Lukić, B.Rosić, **D.Jovanović** :
"A new type of bentonite-based non-woven composite"
Journal of the Serbian Chemical Society, **76(10)**, 1411 - 1425 (2011)

39. S.Marinović, A.Milutinović-Nikolić, M.Žunić, Z.Vuković, D.Maksin, A.Nastasović, **D.Jovanović**:
"Porous glycidyl methacrylate-bentonite composite"
Russian Journal of Physical Chemistry A, **85(13)**, 2386 - 2391 (2011)

40. D.Nikolova, J.Krstić, L.Spasov, D.Simeonov, D.Lončarević, Pl.Stefanov, **D.Jovanović**:
"Surface properties of the Ni-silica gel catalyst precursors for the vegetable oil hydrogenation process: N_2 sorption and XPS studies"
Russian Journal of Physical Chemistry A, **85(13)**, 2380 - 2385 (2011)

41. M.Gabrovska, J.Krstić, P.Tzvetkov, K.Tenchev, M.Shopska, N.Vukelić, **D.Jovanović**:
"Effect of the support and the reduction temperature on the formation of metallic nickel phase in Ni/silica gel precursors of vegetable oil hydrogenation catalysts"
Russian Journal of Physical Chemistry A, **85(13)**, 2392 - 2398 (2011)

42. Z.Mojović, P.Banković, N.Jović-Jovičić, A.Abu Rabi-Stanković, A.Milutinović-Nikolić, **D.Jovanović**:
"Carbon Monoxide Electrooxidation on Pt and PtRu Modified Zeolite X"
Journal of Porous Materials, 19, 695-703 (2012) - DOI: 10.1007/s10934-011-9521-6

43. P.Banković, A.Milutinović-Nikolić, Z.Mojović, N.Jović-Jovičić, M.Žunić, V.Dondur, **D.Jovanović** :
"Al,Fe-Pillared Clays in Catalytic Decolorization of Aqueous Tartrazine Solutions"
Applied Clay Science, **58**, 73-78 (2012), **DOI: 10.1016/j.clay.2012.01.015**

44. M.Đokić, Ž.Kesić, J.Krstić, **D.Jovanović**, D.Skala:
"Decrease of free fatty acid content in a vegetable oil using silica supported ferric sulphate catalyst"
Fuel, **97**, 595 – 602, (July 2012) 2012, **DOI: 10.1016/j.fuel.2012.03.039**

45. A. Abu Rabi-Stanković, A. Milutinović-Nikolić, N. Jović-Jovičić, P. Banković, M. Žunić, Z. Mojović, **D. Jovanović**:
"p-Nitrophenol electro-oxidation on a BTMA+-bentonite-modified electrode",
Clays and Clay Minerals, 60, 291–299 (2012) – DOI: 10.1346/CCMN.2012.0600306

46. Tihana M. Mudrinić, Zorica D. Mojović, Anđela S. Abu Rabi-Stanković, Ana Z. Ivanović-Šašić, Aleksandra D. Milutinović- Nikolić, **Dušan M. Jovanović**:
"Oxidation of hydroxide ions at platinum modified zeolite electrode",
Hemijska industrija, 66(5), 759 - 767 (2012), doi:10.2298/HEMIND111223027M

47. P.Banković, A.Milutinović-Nikolić, Z.Mojović, N.Jović-Jovičić, M.Perović, V.Spasojević, **D.Jovanović**:
«Synthesis and characterization of bentonites rich in beidellite with incorporated Al or Al-Fe oxide pillars",
Microporus and Mesoporous Materials, 165, 247-256 (2013) - DOI: 10.1016/j.micromeso.2012.08.029

48. N.P. Jović-Jovičić, A.D. Milutinović-Nikolić, M.J. Žunić, Z.D. Mojović, P.T. Banković, I.A. Gržetić, **D.M. Jovanović**:
"Synergic adsorption Pb2+ and acid dye - RB5 on two series orgamonodified bentonites"
Journal of Contaminant Hydrology, 150, 1 - 11 (2013) - http://dx.doi.org/10.1016/j.jconhyd.2013.03.004

49. A.Abu Rabi-Stanković, Z.Mojović, A.Milutinović-Nikolić, N.Jović-Jovičić, P.Banković, M.Žunić, **D.Jovanović**:
"Electrooxidation of p-nitrophenol on organobentonite modified electrodes"
Applied Clay Science, 77-78, 61-67 (2013) - http://dx.doi.org/10.1016/j.clay.2013.04.003

50. Z. Mojović, N. Jović-Jovičić, A. Milutinović-Nikolić, P. Banković, A. Abu Rabi-Stanković, **D. Jovanović**:
"Influence of HDTMA/bentonite ratio on phenol electrooxidation"
Environmental Progress and Sustainable Energy, 32(4),1124-1128 (2013), - DOI: 10.1002/ep.11739

51. M.Žunić, A.Milutinović-Nikolić, A.Nastasović, Z.Vuković, D.Lončarević, I.Vuković, K.Loos, G. ten Brinke, **D.Jovanović**:
"Textural properties of poly(glycidyl methacrylate) – acid modified bentonite nanocomposites"
Polymer Bulletin, 70(6), 1805-1818 (2013), DOI: 10.1007/s00289-013-0924-1

52. J.Dostanić, D.Lončarević, Lj.Rožić, S.Petrović, D.Mijin, **D.Jovanović**:
"Photocatalytic degradation of azo pyridone dye: Optimization using response surface methodology"
Desalination and Water Treatment, 51 (March), 2802-2812 (2013);DOI:10.1080/19443994.2012.750699

53. Z. Mojović, T.Mudrinić, A. Abu Rabi-Stanković, A. Ivanović-Šašić, S. Marinović, M. Žunić, **D.Jovanović**:
"Methanol Electrooxidation on PtRu Modified Zeolite X",
Science of Sintering , 45(1), 89 – 96 (2013)

54. T. M. Mudrinić, Z. D. Mojović, A. Z. Ivanović-Šašić, N. S. Vukelić, Ž. D. Čupić, **D. M. Jovanović**:
"Methanol electrooxidation from alkaline solutions on platinum-based electrodes: classical and dynamical approach"
Russian Journal of Physical Chemistry A, 87(13), 2127-2133 (2013)

55. M. Žunić, N. Jović-Jovičić, A. Milutinović-Nikolić, P. Banković, Z. Mojović, A. Ivanović-Šašić, **D. Jovanović**:
"Thermodynamics of the adsorption of different dyes onto bentonite modified with hexadecyltrimethyl-ammonium cation"
Russian Journal of Physical Chemistry A, 87(13), 2260-2263 (2013)

56. Z.Mojović, T.Mudrinić, P.Banković, Nataša Jović-Jovičić, Ana. Ivanović-Šašić, A.Milutinović-Nikolić, **D.Jovanović**:
«The electrochemical behavior of PtRu and Pt modified zeolite X in alkaline solution»
Journal of Solid State Electrochemistry, 17(4), 1207-1214 (2013), DOI: 10.1007/s10008-012-1987-x

57. M.Žunić, A.Milutinović-Nikolić, D.Stanković, D.Manojlović, N.Jović-Jovičić, P.Banković, Z.Mojović, **D.Jovanović**:
"Electrooxidation of p-nitrophenol using a composite organo-smectite clay glassy carbon electrode",
Applied Surface Science, 313, 440-448 (2014) , doi: 10.1016/j.apsusc.2014.05.228.

58. J. Dostanić, D. Mijin, G. Uščumlić, **D.M. Jovanović**, M. Zlatar, D. Lončarević:
"Spectroscopic and quantum chemical investigations of substituent effects on the azo-hydrazone tautomerism and acid-base properties of arylazo pyridone dyes"
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 123, 37-45 (2014),
DOI: 10.1016/j.saa.2013.12.064

59. B.Janković, Ž.Čupić, **D.Jovanović** :
" Non-isothermal reduction of silica-supported nickel catalyst precursors in hydrogen atmosphere: a kinetic study and statistical interpretation"
Journal of the Iranian Chemical Society, 11(6), 1743-1758 (2014), DOI 10.1007/s13738-014-0447-1

60. N.Jović-Jovičić, A.Milutinović-Nikolić, M.Žunić, Z.Mojović, P.Banković, B.Dojčinović, A.Ivanović-Šašić, **D.Jovanović**:
"Organobentonites as multifunctional adsorbents of organic and inorganic water pollutants"
Journal of Serbian Chemical Society, 79(2), 253-263 (2014), DOI: 10.2298/JSC130125065J

61. Z.Sandić, M.Žunić, D.Maksin, A.Milutinović-Nikolić, A.Popović, D.Jovanović, A.Nastasović:
"Glycidyl methacrylate macroporous copolymer grafted with diethylene triamine as sorbent for Reactive Black 5"
Hemijska industrija, 2014, DOI:10.2298/HEMIND140127023S

62. S.Marinović, A.Milutinović-Nikolić, A.Nastasović, M.Žunić, Z.Vuković, D.Antonović, **D.Jovanović**:
"Sorption of different phenol derivatives on functionalized macroporous nanocomposite of poly (glycidyl methacrylate-co-ethylene glycol dimethacrylate) and acid modified bentonite"
Journal of Serbian Chemical Society, 79(10), 1249-1261 (2014), DOI: 10.2298/JSC140206043M

63. U.Andjelković, A.Milutinović-Nikolić, N.Jović-Jovičić, P.Banković, T.Bajt, Z.Mojović, Z.Vujčić, **D.Jovanović**:
"Efficient stabilization of Saccharomyces cerevisiae external invertase by immobilization on modified beidellite nanoclays"
Food Chemistry, 168, 262-269 (2015), DOI: http://dx.doi.org/10.1016/j.foodchem.2014.07.055

64. T.Mudrinic,Z.Mojovic,A.Milutinovic-Nikolic,P.Bankovic, B.Dojcinovic,N.Vukelic,**D.Jovanovic**:
"Beneficial effect of Ni in pillared bentonite based electrodes on the electrochemical oxidation of phenol"
Electrochimica Acta, 144, 92-99 (2014) - DOI: http://dx.doi.org/doi:10.1016/j.electacta.2014.07.115

65. J.Krstić, M.Gabrovska, D.Lončarević, D.Nikolova, V.Radonjić, N.Vukelić, **D.M.Jovanović**:
"Influence of Ni/SiO2 activity on the reaction pathway in sunflower oil hydrogenation"
Chemical Engineering Research and Design: Part A, 100, 72-80 (2015), DOI:10.1016/j.cherd.2015.05.001

66. T.Mudrinić, Z.Mojović, A.Milutinović-Nikolić, M.Mojović, M.Žunić, N.Vukelić, **D.Jovanović**:
„Electrochemical activity of iron in acid treated bentonite and influence of added nickel"
Applied Surface Science, 353, 1037-1045 (2015), DOI: 10.1016/j.apsusc.2015.07.054

67. D. Lončarević, J. Dostanić, V. Radonjić, A. Radosavljević-Mihajlović, **D.Jovanović**:
"Structure-activity relationship of nanosized porous PEG-modified TiO2 powders in degradation of organic pollutants",
Advanced Powder Technology , 26(4), 1162-1170 (2015), DOI: 10.1016/j.apt.2015.05.012

68. Z.Mojović, T.Mudrinić, P.Banković, N.Jović-Jovičić, A.Ivanović-Šašić, A.Milutinović-Nikolić, **D.Jovanović**:
«Oxygen reduction reaction on palladium modified zeolite 13X»
Journal of Solid State Electrochemistry, 19, 1993-200 (2015), DOI: 10.1007/s10008-014-2724-4

69. T.Mudrinić, Z.Nikolić, Z.Mojović, Ž.Čupić, A.Milutinović-Nikolić, **D.Jovanović** :
"In situ videometry monitoring of bubble behavior during electrocatalytic oxygen evolution reaction"
Reaction Kinetics, Mechanisms and Catalysis, 115(1), 81-91 (2015), DOI: 10.1007/s11144-014-0819-7

70. M.Stanković, Ž.Čupić, M.Gabrovska, P.Banković, D.Nikolova, **D.Jovanović**:
"Characteristics and catalytic behavior of supported NiMgAg/D catalysts in partial hydrogenation of soybean oil"
Reaction Kinetics, Mechanisms and Catalysis, 115(1), 105-127 (2015), DOI: 10.1007/s11144-014-0829-5

71. V.Radonjić, J.Krstić, D.Lončarević, **D.Jovanović**, N.Vukelić, M.Stanković, D.Nikolova, M.Gabrovska:
„Perlite as a Potential Support for Nickel Catalyst in the Process of Sunflower Oil Hydrogenation"
Russian Journal of Physical Chemistry A, 89(13), 2359-2366 (2015)

72. J.Dostanić, D.Lončarević, A.Radosavljević-Mihajlović, **D.Jovanović**:
„Modification of Dense TiO2 Particles Using Polyethylene Glycol Template: Synthesis, Characterization, and Photocatalytic Activity"
Russian Journal of Physical Chemistry A, 89(13), 2492-2496 (2015)

73. D. Marinković, M. Stanković, A. Veličković, J. Avramović, M. Miladinović, O. Stamenković, V. Veljković, **D. Jovanović**,
"Calcium oxide as a promising heterogeneous catalyst for biodiesel productuion: Current state and perspectives",
Renewable and Sustainable Energy Reviews, 56, 1387-1408 (2016),
http://dx.doi.org/10.1016/j.rser.2015.12.007

74. N.Jović-Jovičić, Z.Mojović, M.Darder, P.Aranda, E.Ruiz-Hitzky, P.Banković, **D.Jovanović**, A.Milutinović-Nikolić:
„Chitosan-smectite based electrodes in electrochemical detection of phenol and its derivatives",
Applied Clay Science, 124-125, 62-68 (2016); doi:10.1016/j.clay.2016.01.052

Saopštenja:

Veliki broj saopštenja...

Lična WEB stranica: **http://.....**