

UNIVERZITET CRNE GORE
METALURŠKO-TEHNOLOŠKI FAKULTET

Crna Gora
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METALURŠKO-TEHNOLOŠKI FAKULTET

VIJEĆU

Broj 912
Podgorica, 10.06 2020 god.

PREDMET: Zahtjev za dostavljanje predloga Komisije za pisanje referata

Shodno dopisu broj 793, od 05.06.2020. god. podnosim Vijeću Fakulteta predlog Komisije za pisanje referata za oblasti **Opšta i neorganska hemija i Zagađivači u životnoj sredini** (predmeti: 1.Opšta i neorganska hemija (2+0) I semestar, OAS, Biologija, PMF 2. Medicinska biohemija i hemija (1,25+0) III semestar, OAS, Medicina, MF 3. Ekotoksikologija (3+0) IV semestar, OPS, ZŽS, MTF 4. Hemija (2+0) I semestar, OAS, Stomatologija, MF) u sledećem sastavu:

1. prof. dr Željko Jaćimović, redovni profesor, Metalurško-tehnološki fakultet, Podgorica, oblast Opšta i neorganska hemija i Zagađivači u životnoj sredini
2. prof. dr Zorica Leka, redovni profesor, Metalurško-tehnološki fakultet, Podgorica, oblast Opšta i neorganska hemija i Zagađivači u životnoj sredini
3. prof. dr Biljana Petrović, vanredni profesor, Prirodno-matematički fakultet, Kragujevac, oblast Neorganska hemija

S poštovanjem,

Rukovodilac studijskog programa HT

V. Vukašinović-Pešić
Prof. dr Vesna Vukašinović-Pešić

BIOGRAFIJA ŽELJKA JAĆIMOVIĆA

Željko Jaćimović je rođen 1966. godine u Bijelom Polju, gdje je završio osnovnu školu i gimnaziju. Diplomirao je hemiju na Prirodno-matematičkom fakultetu Univerziteta u Sarajevu 1991. godine. Postdiplomske studije upisao je 1992. na Hemijskom fakultetu u Beogradu. Magistarski rad pod nazivom „Sinteza i kristalna struktura dihloro-bis (3-amino-5-metilpirazol) cink(II) kompleksa“ odbranio je 1996. Doktorsku disertaciju pod nazivom "Sinteze i strukture kompleksa Zn(II), Cd(II), Hg(II) i Cu(II) sa nekim di- i trisupstituisanim derivatima pirazola“ odbranio je u februaru 1999. godine na Institutu za hemiju Prirodno-matematičkog fakulteta u Novom Sadu.

Za asistenta na Katedri za opštu i neorgansku hemiju Metalurško-tehnološkog fakulteta (MTF) Univerziteta Crne Gore izabran je 1992. Za docenta na Univerzitetu Crne Gore izabran je 1999. godine na predmetu Opšta i neorganska hemija, a za vanrednog profesora 2004. godine na predmetima na MTF-u Neorganska hemija, Hemijska veza i struktura molekula i Hemija čvrstog stanja. U zvanje redovnog profesora na Univerzitetu Crne Gore izabran je u martu 2010. godine, na predmetima Neorganska hemija, Hemijska veza i struktura molekula na akademskim studijama i Neorganska hemija II na postdiplomskim specijalističkim studijama MTF-a, kao i Opšta i neorganska hemija na samostalnom studijskom programu Farmacija.

Publikovao je 56 naučna rada u referentnim međunarodnim časopisima sa SCI liste, koji se bave problematikom sinteze i karakterizacije novih kompleksnih jedinjenja. Pored tih radova ima i jedan rad u drugim međunarodnim časopisima i tri rada publikovana u domaćim časopisima. Ima i 14 radova štampanih u cjelosti u zbornicima radova međunarodnih naučnih konferencija. Dio rezultata svojih istraživanja prezentirao je i u vidu 65 saopštenja na inostranim i 19 na domaćim konferencijama, od kojih značajan broj na evropskim i svjetskim kristalografskim kongresima. Rukovodio je brojnim naučnim projektima.

Oblast njegovih istraživanja je neorganska hemija, a naročito kompleksna (koordinaciona) jedinjenja. Iz te grupe jedinjenja posebno su interesantna ona na bazi pirazola i njegovih derivata sa prelaznim metalima, zato što ulaze u sastav mnogih lijekova (posebno antipiretika i antireumatika), herbicida i fungicida, a koriste se i kao ekstragenti različitih metalnih jona. Sinteza novih kompleksnih jedinjenja i njihova fizičko hemijska karakterizacija (elementarna analiza, IR spektroskopija, NMR, Raman spektroskopija, termičke analize, ^1H spektri, konduktometrijska i magnetna mjerenja, biološka aktivnost, X-ray rendgeno-strukturna analiza) čine osnovu Jaćimovićevih publikovanih i saopštenih naučnih radova.

Za izvanredan doprinos razvoju obrazovanja dobio je 2009. godine državnu nagradu "Oktoih".

Nagradu za najušpješnijeg naučnika starijeg od 30 godina dobio je od Ministarstva nauke 2018. godine.

Publikovani radovi

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1. Ž.K. Jaćimović, B. V. Prelesnik, G. A. Bogdanović, E. Z. Ivegeš, V. M. Leovac: "Crystal structure of dichloro-bis(3(5)-amino-5(3)-methylpyrazole)zinc(II), $\text{ZnCl}_2\text{N}_6\text{C}_8\text{H}_{14}$ ", *Z. Kristallogr.*, **213** (1998) 35
2. K. Mészáros-Szécsényi, E. Z. Ivegeš, V. M. Leovac, Lj. Vojinović, A. Kovács, G. Pokol, J. Madarász, Ž. K. Jaćimović: "Transition metal complexes with pyrazole-based ligands. Part 6. "Synthesis, characterization and thermal decomposition of cadmium complexes with 3(5)-amino-5(3)-methylpyrazole", *Termochim. Acta*, **316** (1998) 79.
3. K. Mészáros-Szécsényi, E. Z. Ivegeš, V. M. Leovac, A. Kovács, G. Pokol, Ž.K. Jaćimović: "Transition metal complexes with pyrazole-based ligands. "Zn(II), Co(II) Mn(II) and Cu(II) complexes with 3-amino-5-methylpyrazole", *J. Therm. Anal. Cal.*, **56** (1999) 493
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6. K. Mészáros-Szécsényi, V. M. Leovac, Ž. K. Jaćimović, V. I. Češljević, A. Kovács, G. Pokol, S. Gal: "Transition metal complexes with pyrazole-based ligands. Part 8. "Characterization and Thermal decomposition of Zn(II) complexes with di- and trisubstituted pyrazoles", *J. Thermal. Anal. Cal.*, (2001) **63**, 723.
7. M. M. Krgović, Ž. K. Jaćimović, R. Zejak: "Influence of the Feldspar Amount in Heavy Clay Bodies on the Properties of Fired Products", *Tile & Brick Int.* (2001) **17** 3 178.
8. K. Mészáros-Szécsényi, V. M. Leovac, Ž. K. Jaćimović, V. I. Češljević, A. Kovács, G. Pokol: "Transition metal complexes with pyrazole-based ligands. Part 12. " Characterization and Thermal decomposition of CuCl_2 complexes with di- and trisubstituted pyrazoles", *J. Thermal. Anal. Cal.*, (2001) **66**, 573.
9. Ž. K. Jaćimović, Z. D. Tomić, G. Giester, V. M. Leovac: "Tris(3,5-dimethyl -H- pyrazole-1-thiocarboxamido- κ N², N)cobalt(III)", *Acta Cryst.* (2003) **C59** m381.
10. K. Mészáros Szécsényi, V. M. Leovac, Ž. K. Jaćimović, G. Pokol: "Transition metal complexes with pyrazole-based ligands. Part 15. Cobalt(III)-, nickel(II)-, and copper(II) –complexes with 3,5-dimethyl-1-thiocarboxamidepyrazole", *J. Thermal. Anal. Cal.*, (2003) **74**, 943.
11. K. Mészáros Szécsényi, V. M. Leovac, V. I. Češljević, A. Kovács, G. Pokol, Gy. Argay, A. Kálmán, G. A. Bogdanović, Ž. K. Jaćimović, A. Spasojević-de Biré: "Reaction of copper(II) with 1-carboxamide-3,5-dimethylpyrazole, 1-carboxamidine-3,5-dimethylpyrazole, 4-acetyl-3-amino-5-methylpyrazole and 5-amino-4-carboxamide -1-phenylpyrazole", *Inorg. Chim. Acta*, (2003) **353**, 253.
12. I. R. Evans, J. A. K. Howard, K. Mészáros Szécsényi, V. M. Leovac, and Ž. K. Jaćimović: "Synthesis characterization and crystal structure of a novel Ni(II) complex, $\text{Ni}(\text{L-H})_2$ (L= 3,5- dimethyl -1-thiocarboxamide pyrazole", *J. Coord. Chem.*, (2004) **57**, 6, 469.
13. I. R. Evans, J. A. K. Howard, L. E.M. Howard, J.S.O. Evans, Ž. K. Jaćimović, V.S. Jevtović, V. M. Leovac "Transition metal complexes with pyrazole-based ligands. Part 18. New binuclear Cu(I), Cu(II)

and Co(II) complexes with 3,5-dimethyl-1-thiocarboxamide pyrazole: synthesis, structural and magnetic studies", *Inorg.Chim.Acta* (2004) **357** 4528.

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18. G.A. Bogdanović, Ž. K. Jačimović, V.M.Leovac: "Transition metal complexes with pyrazole-based ligands.XXII. Di- μ -thiocyanato-bis[3,5-dimethyl-1 *H* –pyrazole –1-carboxamidine - κ^2 N,N')(thiocyanato κ N) copper (II)] and redetermination of bis(3,5-dimethyl-1 *H* –pyrazole –1-carboxamidine - κ^2 N,N')bis(nitrato- κ O)copper (II)", *Acta Cryst.*(2005) **C61.**, m376-m379.

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METALURŠKO TEHNOLOŠKI FAKULTET

Број: 08-419
Датум, 25.03.2010. г.

Primljeno: 6.04.2010			
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Na osnovu člana 75 stav 2 Zakona o visokom obrazovanju (Sl.list RCG br. 60/03) i člana 18 Statuta Univerziteta Crne Gore, Senat Univerziteta Crne Gore, na sjednici održanoj 25.03.2010. godine, donio je

ODLUKU O IZBORU U ZVANJE

Dr ŽELJKO JAĆIMOVIĆ bira se u akademsko zvanje redovni profesor Univerziteta Crne Gore za predmete: Neorganska hemija, Hemijska veza i struktura molekula (dio: Struktura molekula) na studijskom programu Hemijska tehnologija na osnovnim akademskim studijama, Opšta i neorganska hemija, na Samostalnom studijskom programu Farmacija na osnovnim akademskim studijama i Neorganska hemija II, na studijskom programu Hemijska tehnologija na postdiplomskim specijalističkim studijama na Metalurško-tehnološkom fakultetu.

REKTOR

Miranović
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B I O G R A F I J A

Zorica Leka je rođena 26.12.1967. godine u Pljevljima - Crna Gora gdje je završila osnovnu i srednju školu.

Diplomirala je na Prirodno-matematičkom fakultetu-odsjek Hemija (opšti smjer), Univerziteta u Sarajevu 1991. godine i stekla zvanje diplomirani inženjer hemije. Dobitnik je studentske nagrade - Srebrna značka Univerziteta u Sarajevu, iz fonda "Hasan Brkić".

Magistarski rad pod naslovom: "Sinteza, kristalna struktura i karakterizacija kalijum-3-ditiokarboksi-3-aza-5-amino-pentanoata i odgovarajućih kompleksa Co(II), Ni(II) i Cu(II)" odbranila je u julu 1997. g. na Hemijskog fakulteta u Beogradu (smjer-Neorganska hemija).

Doktorsku disertaciju pod naslovom: "Sinteza i karakterizacija kompleksa nekih prelaznih metala sa novim ditiokarbamato-ligandima" odbranila je 28. maja 2002. godine na Prirodno-matematičkom fakultetu Univerziteta u Novom Sadu i stekla naučni stepen doktora hemijskih nauka.

PODACI O RADNIM MJESTIMA I IZBORIMA U ZVANJE

Zaposlena je na Metalurško-tehnološkom fakultetu u Podgorici od 05.10.1992.godine kao asistent – pripravnik na Katedri za opštu i neorgansku hemiju. U zvanje asistenta, na istoj katedri, je izabrana 09.12.1997. godine. Bila je angažovana na izvođenju vježbi (laboratorijskih i računskih) iz predmeta: Opšta i neorganska hemija za studente MTF-a PMF-a .

U zvanje docenta izabrana je 09.07. 2003.godine za predmete: Opšta hemija i Hemijska veza i struktura molekula (oblast Hemijska veza) na MTF- u . U zvanje vanrednog profesora izabrana je 30.10.2008.godine a 26.06.2014.g. izabrana je u zvanje redovnog profesora na MTF-u za predmete: Opšta hemija (MTF), Hemijsku vezu i strukturu molekula (dio Hemijska veza) (MTF), Bioneorganska hemija (MTF) i Hemija (BTF).

NAUČNO-ISTRAŽIVAČKA DJELATNOST

Naučno-istraživački rad je, kroz različite faze, usmjeren u oblasti sinteze novih jedinjenja, uglavnom ditiokarbamata kao liganada i odgovarajućih kompleksa prelaznih metala. Sintetisana jedinjenja su karakterisana različitim fizičko-hemijskim metodama, prvenstveno

spektralnim – NMR, IC, UV-VIS, kao i nekim biološkim testiranjem – antimikrobne aktivnosti, antioksidativne aktivnosti, reakcije prema DNK goveđeg timusa.

Kroz naučno-istraživački rad je realizovano više nacionalnih i međunarodnih projekata.

Bila je saradnik na dva (1-2) i rukovodilac dva (3-4) nacionalna naučno-istraživačka projekta:

1. „Sinteza, kristalna struktura i karakterizacija kalijum-3-ditiokarboksi-3-aza-5-amino-pentanoata i odgovarajućih kompleksa Co(II), Ni(II) i Cu(II)“ (1994-1996) koji je finansiralo MPiN Crne Gore, rukovodilac: Prof dr Momčilo Šljukić† MTF -Podgorica,
2. „Sinteza, karakterizacija i biološka aktivnost nove serije polidentatnih ditiokarbamato-liganada i odgovarajućih kompleksa nekih prelaznih metala“ (2002-2004) koji je finansiralo MPiN Crne Gore, rukovodilac: prof. dr Vukadin Leovac, PMF- N. Sad,
3. „Sinteza, fizičko-hemijska i biološka karakterizacija novih ditio-jedinjenja, derivata EDTA, kao potencijalno aktivnih komponenata sa fiziološkim i farmakološkim efektom“ (2008-2011), rukovodilac: dr Zorica Leka, MTF-Podgorica.
4. „Sinteza novih ditiokarbamato jedinjenja i ispitivanje njihovih antimikrobnih i toksičnih osobina“ (2012- 2015), rukovodilac: prof. dr Zorica Leka, MTF-Podgorica.

Rukovodila je sa 4 bilateralna projekta (1-4) i angažovana kao saradnik na dva (5-6):

1. „Sinteza, struktura i fungicidna aktivnost novih ditiokarbamato derivata EDTA-a i njihovih metalnih kompleksa“, CG - HR (rukovodioci: Z. Leka, A. Višnjevac) (2011-2012)
2. „Fungicidna aktivnost novih kompleksa ditiokarbamatnih liganada s prelaznim metalima“, CG - HR (rukovodioci: Z. Leka, A. Višnjevac) (2013-2014)
3. „Sinteza, fizičko-hemijska i strukturna istraživanja novih, potencijalno biološki aktivnih Schiffovih baza - derivata ditiokarbamata“, CG -HR (rukov: Z. Leka, A. Višnjevac) (2017-2018)
4. „Sinteza, karakterizacija i biološki aspekti novih ditiokarbamatnih kompleksa nekih prelaznih metala“ CG-SR (rukovodioci: Z. Leka, S.Trifunović) (2017-2018)
5. „Antimikrobna i antioksidativna aktivnost određene grupe medicinski značajnih makromiceta iz Makedonije i Crne Gore“, CG - MK (rukovodioci: V. Vuksanović, Dz. Kungulovski) (2013-2014)

6. „Sinteza i karakterizacija PCM (fazno promjenljivih materijala) materijala – put ka ekonomiji baziranoj na vodoničnoj energetici“, CG-SR (rukovodioci: V. Asanović, J. Grbović-Novaković) (2019-2020)

Član je radnih timova međunarodnih projekata:

1. COST akcije:

- CA18112 (2019-2023): *Mechanochemistry for Sustainable Industry* i
- CA18224 (2019-2023): *Green Chemical Engineering Network towards upscaling sustainable processes*.

2. ERASMUS+ projekta (WP3): *HarISA* (2018-2022): *Harmonization and Innovation in PhD Study Programs for Plant Health in Sustainable Agriculture*;

Zorica Leka je autor ili koautor 21 naučna rada štampana u časopisima sa SCIE liste i preko 50 radova saopštenih na međunarodnim i nacionalnim naučnim konferencijama.

PEDAGOŠKA DJELATNOST

Zorica Leka je autor univerzitetskog udžbenika: Praktikum iz opšte hemije sa zadacima, Univerzitet Crne Gore, 2009.g.

Mentor je stručnog rada u prosvjeti Toniju Koletić (2007) “Štavljenje hromnim postupkom” u organizaciji Ministarstvo prosvjete CG.

Takođe, Leka je mentor više specijalističkih i 3 master rada na Metalurško-tehnološkom fakultetu:

1. Milena Ivanović (2010): „Uticaj novosintetisanih ditiokarbamata na određene vrste mikroorganizama i njihovo poredjenje sa komercijalnim ditiokarbamatom- mankozebom“
2. Nataša Miljanić (2010): „Ispitivanje antimikrobnih osobina kalijumove sol ditiokarbamato-liganda i odgovarajućih kompleksa nekih prelaznih metala“,
3. Daliborka Bulatović (2012): „Sinteza novog Fe(II)-ditiokarbamato kompleksa i ispitivanje njegove fungicidne aktivnosti“.

Zorica Leka je učestvovala u brojnim aktivnostima vezanim za popularizaciju nauke (hemije) među mladima, kako učenicima tako i nastavnicima:

1. Od 2009. godine je član Komisije za hemiju u okviru takmičenja – Olimpijada znanja u organizaciji Prirodno-matematičkog fakulteta (UCG);
2. Od 2014. godine je član tima za pripremu učenika, predstavnika CG na međunarodnoj Olimpijadi iz hemije, u organizaciji Ispitnog centra CG;
3. Od 2017. godine učestvuje kao predavač specijalističkom kursu: Edukaciji lica odgovornih za promet sredstava za zaštitu bilja (u organizaciji Biotehničkog fakulteta (UCG) i Uprave za bezbjednost hrane, veterinu i fitosanitarne poslove i Ministarstva poljoprivrede i ruralnog razvoja)
4. 2018. godine pripremila i vodila seminar za nastavnike hemijsko-tehnološke struke: “Voda u hemijskim reakcijama” u organizaciji Centra za stručno osposobljavanje;
5. 2018. godine je učestvovala kao član Komisije za takmičenje učenika osnovnih škola iz prirodnih nauka i matematike “Zašto su mjerenja važna” u okviru NVO Laboratorija za matematiku u partnerstvu sa Zavodom za metrologiju na manifestaciji Otvoreni dani nauke;
6. 2019. godine učestvovala kao konsultant radionice “Hemija svuda oko nas” Zavoda za metrologiju u partnerstvu sa Ministarstvom nauke CG u okviru festivala “Otvoreni dani nauke 2019”

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2. **Z. Leka**, D. Vojta, M. Kosović, N. Latinović, M. Đaković, A. Višnjevac; "Syntheses, structures and antifungal activities of novel Co, Mo and Pt complexes with triammonium N,N-diacetatedithiocarbamate", *Polyhedron*, Vol 80(2014)233-242, ISSN/ISBN 0277-5387
3. Vineta Vuksanović, **Zorica Leka**, Nataša Terzić: "Antibacterial effect of newly synthesized dithiocarbamate K-daap" *Fresenius Environmental Bulletin Vol 22, No12c (2013), 3803-3807*, ISSN: 1018-4619
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8. **Zorica Leka**, Sladjana B. Novaković, Anka Pejović, Goran A. Bogdanović and Rastko D. Vukićević: „1-Ferrocenyl-3-(2-methylanilino)propan-1-one“ *Acta Crystallographica Section E* (2012), E68. m 995
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 12. **Zorica Leka**, Nedeljko Latinović, "The influence of a new-synthesized Zinc(II) Dithiocarbamate Complex on Fungus *Phomopsis viticola* Sacc," *Research Journal of Chemistry and Environment*, Volume 15, Issue 4 (2011) 23-26, ISSN:0972-0626.
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 14. **Z. Leka**, S. Grujić, Z. Tesić, S. Lukić, S. Skuban and S. Trifunović: " The synthesis and characterization of complexes of zinc(II), cadmium (II), platinum(II) and palladium (II) with potassium 3- dithiocarboxy-3-aza-5-aminopentanoate ", *J. Serb. Chem. Soc.* 69(2) (2004) 137-143.
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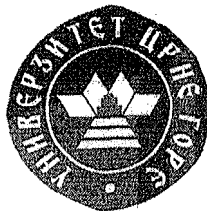
1. **Zorica B. Leka**, Marijana P. Kasalović, Danijela Lj. Stojković, Ivana D. Radojević, Ljiljana R. Čomić, Srećko R. Trifunović: „The antimicrobial and antioxidant activity of triammonium-N--dithiocarboxyiminodiacetate and corresponding Zn(II) and Pd(II) complexes“
4th International symposium on corrosion and materials protection, environmental protection and protection against fire (Bar, Montenegro, Sep 18-21, 2018) 89-95.
2. Verica V. Jevtić, **Zorica B. Leka**, Miljan Bigović, Marijana P. Kasalović, Jovana V. Bogojeski, Srećko R. Trifunović: „Interactions of dithiocarbamate zinc(II) and palladium(II) complexes with CT-DNA“
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4. **Zorica Leka**, Daliborka Bulatović, Nedeljko Latinović,. (2013): "Antifungal activity of newly synthesized dithiocarbamates on the fungus *Phomopsis viticola* Sacc." *International science conference Reporting for sustainability. Becici, Montenegro, Conference Proceedings*, 495-500.
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8. Aleksandar Višnjevac, Nedeljko Latinović, Jelena Latinović, Daliborka Bulatović, **Zorica Leka**: "Influence of the newly synthesized Fe(II) dtc complex on Phytopathogenic fungus *Wilsonomyces Carpophilus*", *Second International Symposium on Corrosion and protection of Materials and Environment, Proceedings*, 197-204, Bar, Montenegro, 2012.
9. **Z. Leka**, V. Vuksanovic: „Influence of newly synthesized dithiocarbamate, K- daap, on *Enterococcus faecalis* and *Enterobacter aerogenes*" *International conference Ecology – Interdisciplinary Science and Practice, Proceedings II 431-434, Sofia, Bulgaria, 2012*,
10. **Zorica Leka**, Nedeljko Latinović: "Influence of the newly synthesized Hg(II) dithiocarbamate complex on the *Phomopsis viticola*, contestant of the *Phomopsis* cane and leaf spot", *First International Symposium on Corrosion and protection of Materials and Environment, Proceedings*, 221, Bar, Montenegro, 2010.

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12. D. Minić K. Anđelković , T.J. Sabo, **Z. Marković** and S.R.Trifunović:
"Thermal decomposition of the complexes of Co(II), Ni(II) and Cu(II) with the ligand 3-dithiocarboxy-3aza-5aminopentanoate", *4th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Yugoslavia, 1998. Papers*, 609-611.

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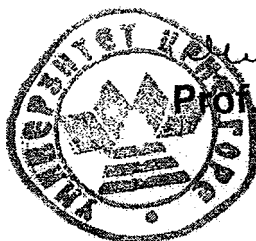
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Датум, 26. 06. 2014 г.

Ref: _____
Date, CRNA GORA
UNIVERZITET CRNE GORE
METALURŠKO-TEHNOLOŠKI FAKULTET
Број 766
Podgorica, 02. 07. 20 14 god.

Na osnovu člana 75 stav 2 Zakona o visokom obrazovanju (Sl.list RCG, br. 60/03 i Sl.list CG, br. 45/10 i 47/11) i člana 18 stav 1 tačka 3 Statuta Univerziteta Crne Gore, Senat Univerziteta Crne Gore, na sjednici održanoj 26. juna 2014. godine, donio je

ODLUKU O IZBORU U ZVANJE

Dr **ZORICA LEKA** bira se u akademsko zvanje **redovni profesor** Univerziteta Crne Gore za predmete: Opšta hemija (studijски program Metalurgija i Hemijska tehnologija), Hemijska veza i struktura molekula (dio Hemijska veza) i Bioneorganska hemija (studijски program Hemijska tehnologija), **na Metalurško-tehnološkom fakultetu** i Hemija (studijски program Biljna proizvodnja i stočarstvo), na Biotehničkom fakultetu.



REKTOR

Predrag Miranović
Prof. dr Predrag Miranović

BIOGRAFIJA

Biljana Petrović (rođena Đorđević), rođena je 04.10.1970. godine u Zaječaru. Osnovnu školu završila je 1985. god. u Zaječaru, a srednju, Prirodno-tehničke struke, takođe u Zaječaru. Na Prirodno-matematički fakultet u Kragujevcu, grupa hemija, upisala se 1989. god. i diplomirala 1994. god. sa prosečnom ocenom 8,68. Poslediplomske studije, smer Neorganska hemija, na Prirodno-matematičkom fakultetu u Kragujevcu, upisala je školske 1996/97. godine. Za asistenta-pripravnika, na predmetu Mehanizmi neorganskih reakcija, u Institutu za hemiju Prirodno-matematičkog fakulteta u Kragujevcu izabrana je 1996. godine.

Magistarski rad, pod naslovom "Kinetika i mehanizam supstitucionih reakcija kompleksa platine(II) sa sumpor-vezivnim ligandima" odbranila je 12. marta 1999. god. Iste godine izabrana je za asistenta na predmetu Mehanizmi neorganskih reakcija, na Prirodno-matematičkom fakultetu u Kragujevcu. Pored vežbi iz predmeta Mehanizmi neorganskih reakcija, izvodila je vežbe iz Industrijske hemije, Neorganske hemije 1 i 2, Hemije atmosfere, Više neorganske hemije za studente hemije, Osnovi hemije za studente biologije, Medicinske hemije (na engleskom jeziku) za studente medicine i Medicinske hemije i dizajn lekova 1 za studente farmacije na Fakultetu medicinskih nauka Univerziteta u Kragujevcu.

Doktorsku disertaciju pod nazivom "Kinetika i mehanizam supstitucionih reakcija kompleksa paladijuma(II) i platine(II)" odbranila je 7.07.2005. god. na Prirodno-matematičkom fakultetu u Kragujevcu.

U toku 2006. god. provela je tri meseca na Institutu za neorgansku hemiju Univerziteta u Erlangenu-Ninberg, Nemačka, kao stipendista Ministarstva za nauku i zaštitu životne sredine Republike Srbije. Takođe, na pomenutom institutu provela je još mesec dana u toku 2007. godine.

U novembru 2007. god. izabrana je u zvanje docent na Institutu za hemiju Prirodno-matematičko fakultetu u Kragujevcu, za užu naučnu oblast Neorganska hemija, a u junu 2012. godine reizabrana u isto zvanje. U februaru 2013. godine izabrana je u zvanje vanredni profesor na Institutu za hemiju Prirodno-matematičkog fakultetu u Kragujevcu, a u januaru 2018. godine reizabrana u isto zvanje. Trenutno je u procedure za izbor u yvanje redovni profesor. Izvodila je nastavu iz predmeta Industrijska hemija 1 (od 2007 do 2016. god.), Neorganska hemija 2, Hemija atmosfere na Prirodno-matematičkom fakultetu i iz predmeta Medicinska hemija i dizajn lekova 1 za studente farmacije na Fakultetu medicinskih nauka Univerziteta u Kragujevcu (2008 - 2012). Trenutno izvodi nastavu iz predmeta Mehanizmi neorganskih reakcija, Neorganska hemija 2 i Hemija atmosfere za studente osnovnih akademskih studija, iz predmeta Neorganske sinteze i metode karakterizacije za studente master akademskih studija i iz predmeta Hemija vodenih rastvora na doktorskim akademskim studijama.

Dr Biljana Petrović je učestvovala u radu naučno-istraživačkih projekata koje finansira Ministarstvo za nauku Republike Srbije (projekat br. 1254 (2002-2005) „Sinteza i reaktivnost novih organskih jedinjenja i kompleksa metala kao potencijalnih terapijskih i biološki aktivnih agenasa“, rukovodilac prof. dr Miloš Đuran; projekat br. 142008 (2006-2010) „Struktura novih kompleksa jona prelaznih metala i mehanizam njihovih reakcija sa biološki značajnim ligandima“ rukovodilac prof. dr Živadin D. Bugarčić), a trenutno je učesnik projekta br. 172011 (2011-2019) „Ispitivanje mehanizma reakcija kompleksa jona prelaznih metala sa biološki značajnim molekulima“, rukovodilac prof. dr Zorica Bugarčić.

Kao dobitnik stipendije BASILEUS boravila je na Institutu za bio-istraživanja, Univerziteta u Gentu, Belgija. Takođe, dr Biljana Petrović je bila učesnik bilateralnog projekta Ministarstva za nauku Republike Srbije i DAAD Republike Nemačke (2009-2010)

“Mehanizam interakcija kompleksa Pt(II) i Pd(II) sa nekim bio-molekulima”, rukovodilac prof. dr Živadin D. Bugarčić, kao i COST akcije D39: Metallo-Drug Design and Action (2006 – 2011).

Kao učesnik TEMPUS projekta STERU boravila na Univerzitetu u Debrecenu, Mađarska, kao učesnik TEMPUS projekta MCHM boravila na Univerzitetu u Novoj Gorici, Slovenija, a kao učesnik TEMPUS projekta RODOS boravila na Univerzitetu u Lisabonu, Portugalija. Kao učesnik ERASMUS – NETCHEM projekta boravila na Univerzitetu u Griniču, Velika Britaniji i na Sorbona univerzitetu u Parizu, Francuska. Kao učesnik ERASMUS razmene nastavnog osoblja boravila je na Institutu za neorgansku hemiju Univerziteta u Erlangenu-Nirnbreg, Nemačka od 2 - 9.06.2019. god.

Bila je član Komisije za pripremu dokumentacije za akreditaciju studijskih programa na Prirodno-matematičkom fakultetu u Kragujevcu (2007), član Komisije za samoevaluaciju Prirodno-matematičkom fakultetu u Kragujevcu (2012 i 2015), član komisije za pripremu Plana integriteta (2012) i član komisije za upis studenata na osnovne studije (2007/08, 2011/12, 2013/14), član komisije za upis studenata na master studije (2011/12, 2013/14, 2018/19), član komisije za upis studenata na doktorske akademske studije (2013/14), a od juna 2019. godine je Rukovodilac doktorskih studija na Institutu za hemiju. Bila je član Nastavno-naučnog veća fakulteta od 11.2015-11.2018. god.

Do sada je objavila ukupno 54 publikacija iz kategorija M10 i M20, od toga 2 rada iz kategorije M13, 1 rad iz kategorije M21a, 13 radova iz kategorije M21, 25 radova iz kategorije M22 i 13 radova iz kategorije M23. Pored toga, publikovala je i 23 rada iz kategorije M34, 5 radova iz kategorije M53, 1 rad iz kategorije M62 i 12 radova iz kategorije M64.

Autor za korespondenciju je na ukupno 12 radova, i to na 4 rada iz kategorija M21, 6 radova iz kategorije M22 i 2 rada iz kategorije M23.

Član je Srpskog hemijskog društva. Od 28. marta 2018. god. član je Upravnog odbora Srpskog hemijskog društva.

Objavila je 2 praktikuma i udžbenik pod nazivom „Hemija atmosfere” za studente hemije.

Na osnovu zvaničnih podataka biblioteke Univerziteta u Kragujevcu ukupan broj citatata (bez samocitata) Biljane Petrović za period od 1997 – jun, 2017. godine je 411, a u novembru 2019. godine na osnovu podataka Scopus, broj citata bez samocitata je 537, HTC= 14.

Odražala je predavanje po pozivu na 51. Savetovanju srpskog hemijskog društva u Nišu 2013. god.

Mentor je dve obranjene doktorske disertacije, a trenutno dvoje studenata doktorskih studija na Prirodno-matematičkom fakultetu Univerziteta u Kragujevcu rade doktorske disertacije pod njenim mentorstvom. Takođe je potencijalni mentor još jednom studentu doktorskih studija. Bila je član komisije za prijavu, ocenu i odbranu nekoliko doktorskih disertacija. Takođe je bila mentor i član komisija velikog broja odbranih diplomskih, završnih i master radova.

Prof. dr Biljana Petrović je bila član naučnog odbora Prve konferencije mladih hemičara Srbije 2012. godine i član organizacionog odbora 49. Savetovanja SHD u Kragujevcu 2011. godine.

Recenzirala je veći broj radova u poznatim međunarodnim časopisima, pet inostranih doktorskih disertacija, dva inostrana master rada, dva bilateralna projekta. Učestvovala je u komisiji na Univerzitetu u Kragujevcu za priznavanje strane visokoškolske isprave. Pohađala je obuku za recenzente studijskih programa organizovanu od strane Ministarstva prosvete, nauke i tehnološkog razvoja.

Više puta je bila član komisije za izbor kandidata u nastavna, istraživačka i naučna zvanja na Prirodno-matematičkom fakultetu u Kragujevcu.

U studentskim anketama u prethodnim godinama bila je ocenjena na sledeći način:

- u zim. semestru 2015/16. - 4,83;
- u let. semestru 2015/16. - 4,88;
- u zim. semestru 2016/17. - 4,85;
- u let. semestru 2016/17. - 5,00;
- u zim. semestru 2017/18. - 4,65;
- u let. semestru 2017/18. - 5,00;
- u zim. semestru 2018/19. - 4,73;
- u let. semestru 2018/19. - 4,95.

Jedan je od najbolje ocenjenih profesora od strane studenata u školskoj 2007/2007, 2008/2009 i u 2016. godini.

Kategorija M21a:

1. **B. Petrović**, Ž. D. Bugarčić, A. Dees, I. Ivanović-Burmazović, F. W. Heinemann, R. Puchta, S. N. Steinmann, C. Corminboeuf and R. van Eldik
Role of π -Acceptor Effects in Controlling the Lability of Novel Monofunctional Pt(II) and Pd(II) Complexes: Crystal Structure of [Pt(tripyrindimethane)Cl]Cl
Inorganic Chemistry, 2012, 51, 1516-1529. IF(2012) = 4,593, Oblast: Chemistry, Inorganic and Nuclear
ISSN: 0020-1669
DOI: 10.1021/ic201807a
<http://pubs.acs.org/doi/abs/10.1021/ic201807a>

Kategorija M21:

2. D. Jaganui, F. Tiba, O. Q. Munro, **B. Petrović** and Ž. D. Bugarčić
Kinetic and mechanistic study on the reactions of [Pt(bpma)(H₂O)]²⁺ and [Pd(bpma)(H₂O)]²⁺ with some nucleophiles. Crystal structure of [Pd(bpma)(py)](ClO₄)₂
Dalton Transactions, 2006, 24, 2943-2949. IF(2006) = 3,012, Oblast: Chemistry, Inorganic and Nuclear
ISSN: 1477-9226
DOI: 10.1039/B602950G
<http://pubs.rsc.org/en/content/articlelanding/2006/dt/b602950g#!divAbstract>
3. Ž. D. Bugarčić, J. Rosić, **B. Petrović**, N. Summa, R. Puchta and R. van Eldik
Kinetics and mechanism of the substitution reactions of [PtCl(bpma)]⁺, [PtCl(gly-met-S,N,N)] and their aqua analogues with L-methionine, glutathione and 5'-GMP
Journal of Biological Inorganic Chemistry, 2007, 12, 1141-1150. IF(2007) = 3,325, Oblast: Chemistry, Inorganic and Nuclear
ISSN: 0949-8257
DOI 10.1007/s00775-007-0283-1
<https://link.springer.com/article/10.1007/s00775-007-0283-1>
4. **B. Petrović**, Ž. D. Bugarčić and R. van Eldik
Kinetic studies on the reactions of [Pd(dach)(X-Y)] complexes with some DNA constituents
Dalton Transactions, 2008, 807-813. IF(2008) = 3,580, Oblast: Chemistry, Inorganic and Nuclear
ISSN: 1477-9226
DOI: 10.1039/B714329J
<http://pubs.rsc.org/en/results?artefjournalname=dalton%20trans.&artrefstartpage=807&artrefvolumeyear=2008&fcategory=journal>
5. M. Milovanović, A. Djeković, V. Volarević, **B. Petrović**, N. Arsenijević and Ž. D. Bugarčić

Ligand substitution reactions and cytotoxic properties of $[\text{Au}(\text{L})\text{Cl}_2]^+$ and $[\text{AuCl}_2(\text{DMSO})_2]^+$ complexes (L = ethylenediamine and S-methyl-cysteine)
Journal of Inorganic Biochemistry, 2010, 104(9), 944-949. IF(2010) = 3,317, Oblast: Chemistry, Inorganic and Nuclear
ISSN: 0162-0134
DOI: <https://doi.org/10.1016/j.jinorgbio.2010.04.014>
<http://www.sciencedirect.com/science/article/pii/S0162013410001042>

6. A. Djeković, **B. Petrović**, Ž. D. Bugarčić, R. Puchta and R. van Eldik
Kinetics and mechanism of the reactions of Au(III) complexes with some biologically relevant molecules
Dalton Transactions, 2012, 41, 3633-3641. IF(2012) = 3,806, Oblast: Chemistry, Inorganic and Nuclear
ISSN: 1477-9226
DOI: 10.1039/C2DT11843B
<http://pubs.rsc.org/en/results?artefjournalname=dalton%20trans.&artrefstartpage=3633&artrefvolumeyear=2012&fcategory=journal>
7. Ž. D. Bugarčić, J. Bogojeski, **B. Petrović**, S. Hochreuther and R. van Eldik
Mechanistic studies on the reactions of platinum(II) complexes with nitrogen and sulfur-donor biomolecules
Dalton Transactions, 2012, 41, 12329-12345. IF(2012) = 3,806, Oblast: Chemistry, Inorganic and Nuclear
ISSN: 1477-9226
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<http://pubs.rsc.org/en/results?artefjournalname=dalton%20trans.&artrefstartpage=12329&artrefvolumeyear=2012&fcategory=journal>
8. S. Jovanović, **B. Petrović**, Ž. D. Bugarčić and R. Van Eldik
Reduction of some Pt(IV) complexes with biologically important sulfur-donor ligands
Dalton Transaction, 2013, 42 (24), 8890 – 8896. IF(2013) = 4,097, Oblast: Chemistry, Inorganic and Nuclear
ISSN: 1477-9226
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9. S. Jovanovic, K. Obrenčević, Ž. D. Bugarčić, I. Popović, J. Žakula, **B. Petrović**
New bimetallic palladium(II) and platinum(II) complexes: studies of the nucleophilic substitution reactions, interactions with CT-DNA, bovine serum albumin and cytotoxic activity
Dalton Transactions, 2016, 45, 12444 – 12457. IF(2016) = 4,029, Oblast: Chemistry, Inorganic and Nuclear
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Saopštenja sa međunarodnih skupova štampana u izvodu M34:

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Hemija atmosfere

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Веће за природно-математичке Универзитета у Крагујевцу, у складу са чланом 65. став 2. Закона о високом образовању ("Сл. гласник РС", бр. 76/2005, 100/2007 - аутентично тумачење, 97/2008, 44/2010, 93/2012, 89/2013, 99/2014, 45/2015 - аутентично тумачење, 68/2015 и 87/2016), а на основу члана 108. Статута Универзитета у Крагујевцу (број II-01-360 од 28.04.2017. године – пречишћен текст), члана 15. став 1. тачка 1. Правилника о начину и поступку заснивања радног односа и стицању звања наставника Универзитета у Крагујевцу (број: II-01-52 од 09.01.2017. године), чланова 42. и 43. став 1. Пословника о раду Већа Универзитета у Крагујевцу (број III-01-188 од 07.03.2016. године – пречишћен текст), на седници одржаној 11.01.2018. године, донело је следећу

ОДЛУКУ

Др Биљана Петровић бира се у звање ванредни професор за ужу научну област Неорганска хемија, на Природно-математичком факултету у Крагујевцу.

Образложење

Правни основ за доношење ове Одлуке садржан је у члану 108. Статута Универзитета у Крагујевцу који уређује надлежност већа за доношење ове Одлуке, а у складу је са чланом 65. став 2. Закона о високом образовању, којим је утврђено да Универзитет врши избор у звања наставника на предлог факултета, члану 15. став 1. тачка 1. Правилника о начину и поступку заснивања радног односа и стицању звања наставника Универзитета у Крагујевцу којим је уређена надлежност већа да доноси одлуке о избору наставника у звања, и члановима 42. и 43. Пословника о раду Већа Универзитета у Крагујевцу који уређују врсту и начин доношења аката већа.

Веће за природно-математичке науке Универзитета у Крагујевцу разматрало је Одлуку о утврђивању предлога за избор наставника у звање ванредни професор за ужу научну област Неорганска хемија, број 880/II-1 од 06.12.2017. године, којом је утврђен предлог да се др Биљана Петровић изабере у звање ванредни професор, Извештај Комисије о пријављеним кандидатима на конкурс за избор у звање наставника Универзитета, број 03-770/2 од 19.10.2017. године, као и комплетно достављену документацију, и донело Одлуку као у диспозитиву.

ПОУКА О ПРАВНОМ ЛЕКУ: Против ове Одлуке кандидат који није изабран може поднети приговор Сенату Универзитета, а преко Факултета, у року од 15 дана од дана пријема обавештења, односно Одлуке да није изабран.

УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
Веће за природно-математичке науке
Број: IV-01-1207/3
Датум: 11.01.2018. год.
КРАГУЈЕВАЦ

ПРЕДСЕДНИК
Већа за природно - математичке науке
Проф. др Мирослава Петровић-Торгашев



ДОСТАВИТИ:

- факултету;
- кандидату;
- архиви.