

**Dr Snežana Rajković, docent**  
*Curriculum Vitae*

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<i>Datum rodjenja</i>	02.01.1972.
<i>Mesto rodjenja:</i>	Priboj, Srbija
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### OBRAZOVANJE

<i>Osnovna škola:</i>	Priboj , Srbija, 1978 – 1986.
<i>Srednja škola:</i>	Priboj, Srbija, 1986 – 1990.
<i>Studije hemije:</i>	Prirodno-matematički fakultet Univerzitet u Kragujevcu Kragujevac, 1990 – 1994.
<i>Poslediplomske studije:</i>	Prirodno-matematički fakultet Univerzitet u Kragujevcu Kragujevac, 1997.
<i>Doktorske studije:</i>	Prirodno-matematički fakultet Univerzitet u Kragujevcu, Kragujevac, 2004.
<i>Strani jezici:</i>	Engleski, Ruski

### PROFESIONALNA KARIJERA

<i>Docent:</i>	Institut za hemiju Prirodno-matematički fakultet Univerzitet u Kragujevcu Kragujevac, 2008 -
<i>Predmeti koje predaje:</i>	Opšta hemija, Neorganska hemija 1
<i>Naučna oblast istraživanja:</i>	Neorganska hemija

### UČEŠĆE NA PROJEKTIMA

Domaći:	Broj projekta	Naziv projekta
	142008	Struktura novih kompleksa jona prelaznih metala I mehanizam njihovih reakcija sa biološki značajnim ligandima
Međunarodni:	Broj projekta	Naziv projekta

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NAUČNI RADOVI (ISI lista)

1. S. U. Milinković and M. I. Djuran  
Selective Displacement of S-bound L-Methionine on Platinum by Histidine-Containing Ligands,  
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2. S. U. Milinković, T. N. Parac, M. I. Djuran and N. M. Kostić  
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3. M. I. Djuran, S. U. Milinković and Ž. D. Bugarčić  
 $^1\text{H}$  NMR Investigations of the Competitive Binding of Sulfur-Containing Peptides and Guanosine 5'-Monophosphate to a Monofunctional Platinum(II) Complex,  
*J. Coord. Chem.*, **44** (1998) 289-297.
4. M. I. Djuran and S. U. Milinković  
NMR Study of the Interaction of Palladium(II) Complexes with Some Histidine-Containing Peptides. Effects of the Mode of Coordination on Hydrolytic Reaction,  
*Chemical Monthly*, **130** (1999) 613-622.
5. M. I. Djuran and S. U. Milinković  
Hydrolysis of amide bond in histidine-containing peptides promoted by chelated amino acid palladium(II) complexes: dependence of hydrolytic pathway on the coordination modes of the peptides,  
*Polyhedron*, **18** (1999) 3611-3616.
6. M. I. Djuran and S. U. Milinković  
Selective hydrolysis of unactivated peptide bond in *N*-acetylated L-histidylglycine catalyzed by various palladium(II) complexes: dependence of the hydrolysis rate on the steric bulk of the catalyst,  
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7. M. I. Djuran and S. U. Milinković  
 $^1\text{H}$  N.M.R. Investigations of the Selective Intramolecular Migration of a Platinum(II) Complex from Methionine Sulfur to Imidazole *N*1 in *N*-Acetylated L-Methionyl-L-Histidine,  
*Australian Journal of Chemistry*, **53** (2000) 645-649.
8. M. I. Djuran, D. P. Dimitrijević, S. U. Milinković and Ž. D. Bugarčić  
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*Transition Metal Chemistry*, **27** (2002) 155-158.
9. M. I. Djuran, S. U. Milinković, A. Habtemariam, S. Parsons and P. J. Sadler  
Crystal packing and hydrogen bonding in platinum(II) nucleotide complexes: X-ray crystal structure of  $[\text{Pt}(\text{MeSCH}_2\text{CH}_2\text{SMe})(5'\text{-GMP-}N7)_2] \cdot 6\text{H}_2\text{O}$ ,  
*J. Inorg. Biochem.*, **88** (2002) 268-273.
10. D. P. Ašanin, S. Rajković, D. Molnar-Gabor and M. I. Djuran  
Hydrolysis of the Peptide Bond in *N*-Acetylated L-Methionylglycine Catalyzed by Various Palladium(II) Complexes: Dependence of the Hydrolytic Reactions on the Nature of the Chelate Ligand in *cis*- $[\text{Pd}(\text{L})(\text{H}_2\text{O})_2]^{2+}$  Complexes  
*Chemical Monthly*, **135** (2004) 1445-1453.
11. Z. D. Petrović, M. I. Djuran, F. W. Heinemann, S. Rajković and S. R. Trifunović  
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*Bioorganic Chemistry*, **34** (2006) 225-234.

12. M. D. Živković, S. Rajković, U. Rychlewska, B. Waržajtis and M I. Djuran  
Study of the reactions of methionine- and histidine-containing peptides with palladium(II) complexes: Key role of steric crowding on palladium(II) in selective cleavage of the peptide bond  
*Polyhedron*, 26 (2007) 1541-1549.
13. M. D. Živković, S. Rajković, M. I. Djuran  
Reaction of [Pt(Gly-Gly-N,N',O)I]- with the N-acetylated dipeptide L-methionyl-L-histidine: Selective platination of the histidine side chain by intramolecular migration of the platinum(II) complex  
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14. S. Rajković, C. Kallay, R. Serenyi, G. Malandrinos, N. Hadjiliadis, D. Sanna, I. Sovago  
Complex formation processes of terminally protected peptides containing two or three histidyl residues. Characterization of the mixed metal complexes of peptides  
*Dalton Transactions*, 37 (2008) 5059-5071.
15. U. Rychlewska, B. Waržajtis, M. I. Djuran, D. D. Radanovic, M. Dj. Dimitrijević, S. Rajković  
Coordination behaviour and two-dimensional-network formation in poly[[μ -aqua-diaqua(μ- 5-propane-1,3-diyl)dinitrilotetraacetato)dilithium(I)cobalt(II)] dihydrate]: the first example of an MII-1,3-pdta complex with a monovalent metal counter-ion  
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## NAUČNA SAOPŠTENJA

1. S. U. Milinković, T. N. Parac, M. I. Djuran and N. M. Kostić  
SYNTHESIS AND REACTIVITY OF PALLADIUM(II) COMPLEXES WITH PEPTIDES  
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Beograd, 6-8. juni 1996, p. 13.
2. M. I. Djuran and S. U. Milinković  
NMR STUDY OF THE INTERACTION OF PALLADIUM(II) COMPLEXES WITH  
HISTIDINE-CONTAINING PEPTIDES  
*1<sup>st</sup> International Conference of the Chemical Societies of the South-East European Countries, Greece, Vol. 1, June 1-4, 1998, PO32*
3. M. I. Djuran, S. U. Milinković and N. M. Kostić  
HYDROLYSIS OF AMIDE BOND IN HISTIDINE-CONTAINING PEPTIDES PROMOTED BY CHELATED AMINO ACID PALLADIUM(II) COMPLEX:MECHANISM OF THE CLEAVAGE AND THE KEY ROLE OF WATER COORDINATED ON PALLADIUM(II)  
*1<sup>st</sup> International Conference of the Chemical Societies of the South-East European Countries, Greece, Vol. 1, June 1-4, 1998, PO32*
4. Miloš I. Djuran, Snežana U. Milinković, Nenad M. Kostić  
<sup>1</sup>H NMR ISPITIVANJA REAKCIJA KOMPLEKSA PALADIJUMA(II) SA PEPTIDIMA. STERNA INHIBICIJA SELEKTIVNE HIDROLIZE PEPTIDNE VEZE  
XXXIX SAVETOVANJE SRPSKOG HEMIJSKOG DRUŠTVA  
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5. S. U. Milinković, Z. D. Petrović, M. I. Djuran  
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6. D. Ilić, S. U. Milinković, B. V. Djordjević, Ž. D. Bugarčić, M. I. Djuran  
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- STOČNU HRANU  
 XXXIX SAVETOVANJE SRPSKOG HEMIJSKOG DRUŠTVA,  
 Beograd, 15 – 17. oktobra 1999. godine, Izvod radova, NH-5, str. 170.
7. M. I. Djuran, S. U. Milinković and N. M. Kostić  
**SELECTIVE HYDROLYSIS OF UNACTIVATED PEPTIDE BOND CATALYZED BY VARIOUS PALLADIUM(II) COMPLEXES. DEPENDENCE OF THE HYDROLYSIS RATE ON THE STERIC BULK OF THE CATALYST**  
*5<sup>th</sup> INTERNATIONAL SYMPOSIUM ON APPLIED BIOINORGANIC CHEMISTRY, 19-20 April 1999. IONNINA, GREECE*, Book of Abstracts p. 63.
  8. Marija D. Živković, Snežana Rajković, Miloš I. Djuran, Urszula Rychlewska  
**STUDIES OF THE INTERACTIONS OF PALLADIUM(II) COMPLEXES WITH HISTIDINE- AND METHIONINE-CONTAINING PEPTIDES: EFFECTS OF THE MODE OF COORDINATION ON HYDROLYTIC REACTIONS**  
*5<sup>th</sup> International Conference of the Chemical Societies of the South-East European Countries, September 10-14, 2006, Ohrid, Republic of Macedonia*, Book of Abstracts, Vol I, p. 155
  9. Cs. Kallay, S. rajković, I. Sovago, K. Varnagy, G. Malandrinos, N. Hadjiliadis, D. Sanna  
**FACTOR INFLUENCING THE THERMODYNAMIC STABILITY OF COPPER(II) MACROCHELATES**  
*9<sup>th</sup> FIGIPAS meeting in Inorganic Chemistry, Vienna, Austria, July 4-7, 2007, PO-86*
  10. Marija D. Živkovic, Snežana Rajković, Miloš I. Djuran  
**REACTIONS OF PLATINUM(II) COMPLEXES WITH SULFUR- AND NITROGEN-CONTAINING BIOMOLECULES: SELECTIVE INTRA- AND INTERMOLECULAR MIGRATION OF S-BOUND PLATINUM(II) COMPLEX TO IMIDAZOLE AND GUANINE NITROGEN ATOMS**  
*13<sup>th</sup> International Conference on Biological Inorganic Chemistry, Vienna, Austria, July 15-20, 2007, P041.*
  10. Snežana Rajković, Marija D. Živković, Imre Sóvágó, Miloš I. Djuran  
**SELECTIVE HYDROLYSIS OF THE UNACTIVATED PEPTIDE BOND IN N-ACETYLATED METHIONYL-GLYCYL-HISTIDYL-GLYCINEAMIDE PROMOTED BY VARIOUS PALLADIUM(II) COMPLEXES**  
*6<sup>st</sup> International Conference of the Chemical Societies of the South-Eastern European Countries, Sofia, September 10-14, 2008, 3-P36.*
  11. Marija D. Živković, Biljana Glišić, Snežana Rajković, Miloš I. Djuran  
**GOLD(III) COMPLEXES WITH HISTIDINE- AND METHIONINE-CONTAINING PEPTIDES: THE REACTIONS STUDIES AND COMPLEXES CHARACTERIZATION**  
*6<sup>st</sup> International Conference of the Chemical Societies of the South-Eastern European Countries, Sofia, September 10-14, 2008, 3-P34.*
  12. B. Dj. Glišić, M. D. Živković, S. Rajković, M. I. Djuran  
<sup>1</sup>H NMR CHARACTERIZATION OF GOLD(III) AND PLATINUM(II) COMPLEXES WITH TRIPEPTIDE GLYCYL-GLYCYL-L-METHIONINE  
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  13. M. D. Živković, B. Dj. Glišić, S. Rajković, M. I. Djuran  
<sup>1</sup>H NMR STUDY OF THE REACTIONS OF A METHIONINE-CONTAINING PEPTIDES WITH DIFFERENT Pd(II) COMPLEXES: THE SELECTIVE CLEAVAGE OF THE AMIDE BOND AND STERIC EFFECTS OH THE CATALYST  
*XLVII SAVETOVANJE SRPSKOG HEMIJSKOG DRUŠTVA,*

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