

**Dr Zorica D. Petrović, vanredni profesor**  
*Curriculum Vitae*

<i>Prezime:</i>	Petrović
<i>Ime:</i>	Zorica
<i>Ime oca:</i>	Dragomir
<i>Datum rođenja:</i>	12. 04. 1958.
<i>Mesto rođenja:</i>	Miloševo, Srbija
<i>Adresa:</i>	Univerzitet u Kragujevcu
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#### OBRAZOVANJE

<i>Osnovna škola:</i>	Miloševo, Srbija, 1965 – 1973.
<i>Srednja škola:</i>	Jagodina, Srbija, 1973 – 1977
<i>Studije hemije:</i>	Prirodno-matematički fakultet
	Univerzitet u Kragujevcu
	Kragujevac, 1977 – 1981.
<i>Poslediplomske studije:</i>	Prirodno-matematički fakultet
	Univerzitet u Kragujevcu
	Kragujevac, 1981.
<i>Doktorske studije:</i>	Prirodno-matematički fakultet
	Univerzitet u Kragujevcu,
	Kragujevac, 1988.
<i>Strani jezici:</i>	Engleski, Ruski

#### PROFESIONALNA KARIJERA

<i>Docent:</i>	Institut za hemiju
	Prirodno-matematički fakultet
	Univerzitet u Kragujevcu
	Kragujevac, 1995 –2003
<i>Vanredni profesor:</i>	Institut za hemiju
	Prirodno-matematički fakultet
	Univerzitet u Kragujevcu
	Kragujevac, 2003
<i>Predmeti koje predaje:</i>	Organska hemija II, Bioorganska hemija, Hemija životne sredine, Organski industrijski zagađivači
<i>Naučna oblast istraživanja:</i>	Organska hemija

## UČEŠĆE NA PROJEKTIMA

Domaći:	Broj projekta	Naziv projekta
	142013 B	"Bioaktivni kompleksi p- i d-jona metala sa ligandima farmakoterapijskog značaja "
Međunarodni:	Broj projekta	Naziv projekta

## NAUČNI RADOVI (ISI lista)

1. M. Lj. Mihailović, Z. Petrović, A. V. Teodorović, S. Konstantinović and V. Andrejević: Cyclisation intramoléculaire d'alcools acycliques insature par les acides de Lewis <i>C. R. Acad. Sci. Ser. II, Paris</i> 308, 29 (1989)
2. S. Konstantinović, Z. D. Petrović, A. V. Teodorović and M. Lj. Mihailović: Oxidative reactions of olefinic benzyl ethers with 3-chloroperbenzoic acid <i>J. Serb. Chem. Soc.</i> 55 (1990) 243
3. Z. Petrović, A. V. Teodorović, S. Konstantinović, G. Ponticelli and M. Lj. Mihailović: The reaction of some acyclic hydroxy ketones and their ethylene acetals with lead Tetraacetate <i>J. Serb. Chem. Com.</i> 60 (1995) 543
4. Z. D. Petrović, S. Konstantinović, R. Scheffold and S. Milosavljević: Chemical and electrochemical reductions of some allyl type halides catalyzed by vitamin B <sub>12</sub> <i>Ind. J. Chem.</i> 36B (1997) 765-768
5. Z. Petrović, Z. Bugarčić, Lj. Marjanović and S. Konstantinović: Reductive B <sub>12</sub> -catalyzed transformation of some tetrachloroalkanols to cyclopropane alkanols <i>J. Mol. Cat. A: Chem.</i> 142 (1999) 393-395
6. Z. Petrovic, R. Scheffold and S. Konstantinovic: Synthesis and tandem free-radical cyclization of dimethyl (2E,6E)-3-oxo-6,10-dimethyl-6,10-dodecadiendioate with Mn(III)- acetate <i>Ind. J. Chem.</i> 36B (1999) 1364
7. Z. Petrovic, B. Mojsilovic and Z. Bugarcic: Vitamin B <sub>12</sub> -catalyzed conversion of some $\gamma$ - and $\delta$ -bromoalkanols to polyhydroxy alkanols <i>J. Mol. Cat. A: Chem.</i> 170 (2001) 267
8. S. Konstantinović, Z. Petrović, A. Spasojević and B. Mojsilović: Synthesis of C <sub>7</sub> – C <sub>16</sub> alkyl glycosides: Part II- Synthesis of alkyl D-xylopyranosides in the presence of tin(IV)chloride as a Lewis acid Catalyst <i>Ind. J. Chem.</i> 40B (2001) 614
9. Z. D. Petrović, D. Anđelković and Lj. Stevanović: Vitamin B <sub>12</sub> -catalyzed synthesis of some peracetylated alkyl $\beta$ D-Xylopyranosides <i>J. Serb. Chem. Soc.</i> 68(10) (2003) 719
10. Z. Petrović, S. Konstantinović and A. Spasojević: BF <sub>3</sub> etherate – induced formation of C <sub>7</sub> -C <sub>16</sub> -alkyl $\beta$ -D-glucopyranosides <i>Ind. J. Chem</i> 43B (2004) 13
11. Z. D Petrović, D. Andjelković and A. Spasojević: Vitamin B <sub>12</sub> and BF <sub>3</sub> etherate as catalyst in synthesis of some C <sub>4</sub> -C <sub>12</sub> -alkyl $\beta$ -D- xylopyranosides <i>J. Chem</i> 45B (2006) 272-275
12. Z. D. Petrović, M. I. Djuran, F. W. Heinemann, S. Rajković, S. Trifunović: Synthesis, structure, and hydrolytic reaction of <i>trans</i> -dichloro-bis(diethanolamine-N)palladium(II) with N-acetylated L-histidylglycine <i>Bioorg. Chem.</i> 34 (2006) 225-234
13. Z. D. Petrović, D. Hadjipavlou-Litina, V. P. Petrović,

New Pd(II)-mechlorethamine complex: Synthesis, NMR study of hydrolytic activity and in vitro evaluation of antiradical property of new complex and its alkylating precursor <i>J. Mol. Liq.</i> <b>144</b> (2009) 55-58
14. Svetlana Marković, Z. D. Petrović, V. Petrović: DFT study on the preactivation reaction of a palladium catalyst precursor in phosphine-free Heck reaction, <i>Monatsh. Chem.</i> <b>140</b> (2009) 171- 175
15. Zorica D. Petrović, Svetlana Marković, Dušica Simijonović, Vladimir P. Petrović Mechanistic insight into the preactivation of a modern palladium catalyst precursor in phosphine-free Heck reactions <i>Monatsh. Chem.</i> <b>140</b> (2009) 371–374

## NAUČNA SAOPŠTENJA

1. Z. D. Petrović, M. I. Djuran, S. R. Trifunović, S. Rajković and F. W. Heinemann: The crystal structure of <i>trans</i> -[PdCl <sub>2</sub> (DEA) <sub>2</sub> ], X Conference of <i>Serbian Crystallographic Society, Kragujevac 2004, Book of abstracts</i> p. 25.
2. Z. Petrović, B. Šmit: Selective reductions of some aromatic $\alpha,\beta$ - unsaturated carbonyl compounds catalyzed by vitamine B <sub>12</sub> – ICOSECS 5, Ohrid 2006. <i>Book of abstracts, OCH40.</i>
3. Z. D. Petrović, D. Djuran: Humic substances and manganese together: in soil and in water – I Symposium of Chemistry and Environment, Miločer 2007. <i>Book of abstracts, PS7 13, p. 118.</i>
4. Zorica D. Petrović, Slađana B. Novaković, Goran A. Bogdanović, Vladimir P. Petrović: New Pd(II)-mechlorethamine complex: synthesis, crystal structure and NMR study of hydrolytic activity of new complex, Sixth International Conference of the Chemical Societies of the South-European Countries, Sofia 2008 Bulgaria, <i>Book of Abstracts, 2-P32 (90).</i>

## UDŽBENICI

1. Z. D. Petrović: <i>Slobodno-radikalske reakcije u organskoj sintezi, Kragujevac 1995.</i>
2. Z. D. Petrovic, Z. Markovic i Lj. Joksović: <i>Praktikum za organsku hemiju, Kragujevac 1996.</i>

## ČLANSTVO U DOMAĆIM I INOSTRANIM ORGANIZACIJAMA

Član Srpskog hemijskog društva
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## MENTORSTVO

<i>Doktorati:</i>	2
<i>Magistarture:</i>	2