

Dr Zorica M. Bugarčić, redovni profesor
Curriculum Vitae

<i>Prezime:</i>	Bugarčić
<i>Ime:</i>	Zorica
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<i>Datum rođenja</i>	10.12.1954
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OBRAZOVANJE

<i>Osnovna škola:</i>	Kruševac , Srbija, 1961 – 1969.
<i>Srednja škola:</i>	Kruševac, Srbija, 1969 – 1973.
<i>Studije hemije:</i>	PMF Kragujevac Univerzitet u Kragujevcu Kragujevac, 1973 – 1978.
<i>Poslediplomske studije:</i>	Prirodno-matematički fakultet Univerzitet u Kragujevcu Kragujevac, 1985.
<i>Doktorske studije:</i>	Prirodno-matematički fakultet Univerzitet u Kragujevcu, Kragujevac, 1989.
<i>Strani jezici:</i>	Engleski

PROFESIONALNA KARIJERA

<i>Docent:</i>	Institut za hemiju Prirodno-matematički fakultet Univerzitet u Kragujevcu Kragujevac, 1989 –1998
<i>Vanredni profesor:</i>	Institut za hemiju Prirodno-matematički fakultet Univerzitet u Kragujevcu Kragujevac, 1998 –2005
<i>Redovni profesor:</i>	Institut za hemiju Prirodno-matematički fakultet Univerzitet u Kragujevcu Kragujevac, 2005
<i>Predmeti koje predaje:</i>	Organska hemija, Mehanizmi organskih reakcija
<i>Naučna oblast istraživanja:</i>	Organska 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

NAUČNI RADOVI (ISI lista)

1. M. Lj. Mihajlović, D. Marinković, S. Konstantinović and **Z. Bugarčić** "The oxidative cyclization of 5-hexen-1-ol by means of lead tetraacetate", J. Serb. Chem. Soc., 50, 327 (1985). R₅₂
2. M. Lj. Mihajlović, D. Marinković, S. Konstantinović and **Z. Bugarčić**: "The formation of cyclic ethers from olefinic alcohols. Part XIII. The oxidative cyclization of 5-methyl-4-hexen-1-ol, 6-methyl-5-hepten-2-ol and 2,6-dimethyl-5-hepten-2-ol by means of lead tetraacetate", J. Serb. Chem. Soc., 51(1) (1986). R₅₂
3. **Z. Bugarčić**, S. Konstantinović and M. Lj. Mihajlović: "Regioselectivity in cyclofunctionalization of olefinic alcohols with phenylselenyl chloride", J. Serb. Chem. Soc., 52, 725 (1987). R₅₂
4. **Z. Bugarčić**, S. Konstantinović and M. Lj. Mihajlović: "Cyclization of olefinic benzyl ethers with phenylselenyl halides", J. Serb. Chem. Soc., 55 (5), 303-305 (1990). R₅₂
5. **Z. Bugarčić**, S. Konstantinović and M. Lj. Mihajlović: "Cyclization of olefinic benzyl alcohols with phenylselenyl halides at different temperatures", J. Serb. Chem. Soc., 55 (9), 551-553 (1990). R₅₂
6. **Z. Bugarčić**, S. Konstantinović and M. Lj. Mihajlović: "Regioselectivity in cyclofunctionalization of Olefinic Alcohols with Benzylselenyl Halides at Different Temperatures", Liebigs Ann. Chem. 261-268 (1992). R₅₁
7. S. Gronowitz, **Z. Bugarčić** and A.B. Hörnfeldt: "Studies of the Reaction of 3-Bromo-2,5-dimethylthiophene-1,1-Dioxide with Some Organocopper Reagents", J. Heterocyclic Chem., 29, 10777 (1992). R₅₂
8. S. Konstantinović, **Z. Bugarčić**, J. N. Milovanović, and M. Lj. Mihajlović: "Intramolecular cyclization of Δ^4 -alkenols with *tert*-butyl-hypochlorite in the presence of pyridine", Ind. J. Chem., 34B, 354-356 (1995). R₅₂
9. S. Konstantinović, **Z. Bugarčić**, W. Wisniewski, Z. Ratković, Z. Marković and M. Lj. Mihajlović: "Stereochemistry and ¹³C NMR spectra of some phenyl selenoethers obtained in phenylselenoetherification of olefinic alcohols", Ind. J. Chem., 37B, 48-55 (1998). R₅₂

10. S. Konstantinović, **Z. Bugarčić**, Lj. Marjanović, S. Gojković and M. Lj. Mihailović: "Simple syntheses of karahanaenone", *Ind. J. Chem.*, **37B**, 1169-1170 (1998). R₅₂
11. Z. Petrović, **Z. Bugarčić**, Lj. Marjanović and S. Konstantinović: "Reductive B₁₂-catalyzed transformation of some tetrachloroalkanols to cyclopropane alkanols", *J. Mol. Cat.*, **142**, 393-395 (1999). R₅₁
12. **Z. Bugarčić** and S. Konstantinović: "Studies of the reactions of magnesium anthracene with sulphur, selenium and some sulfides and selenides", *Ind. J. Chem.*, **38B**, 225-228 (1999). R₅₂
13. **Z. Bugarčić**, S. Konstantinović and B. Mojsilović: "Studies of the reactions of some benzenalkenyl ethers with benzene-selenenyl halides", *Ind. J. Chem.*, **38B**, 728-731 (1999). R₅₂
14. **Z. Bugarčić**, S. Novokmet, Ž. Senić and Ž. Bugarčić "A Selective conversion of benzylic alcohols to the corresponding carbonyl compounds by means of an Ag(III) complex" *Monatshefte fur Chemie*, **131**, 799-802 (2000). R₅₁
15. **Z. Bugarčić**, B. Mojsilović, Lj. Marjanović and S. Konstantinović. "Reaction of some alkenols with tetrachloromethane", *Monatshefte fur Chemie*, **131**, 1091-1096 (2000). R₅₁
16. Z. Petrović, B. Mojsilović and **Z. Bugarčić** "Vitamin B₁₂-catalyzed conversion of some γ - and δ -bromoalkanols polyhydroxy alkanols" *J. Mol. Cat A: Chem.* **170**, 267-269 (2001) R₅₁
17. B. Mojsilović and **Z. Bugarčić** 'Pyridin-facilitated phenylselenoetherification of some tertiary alkenols' *Heteroatom Chem.*, **12**, 475-479 (2001) R₅₁
18. **Z. M. Bugarčić**, M. Gavrilović, 'Phenylselenoetherification of some Δ^5 -alkenols in the presence of pyridine, Ag₂O and AgOAc as additives', *Monats. Chem.*, **134**, 1359 (2003) R₅₁
19. **Z. M. Bugarčić**, B. M. Mojsilović, 'An improved procedure for phenylselenoetherification of some Δ^5 -alkenols using pyridine, Ag₂O and some Lewis acids as catalysts', *Heteroatom Chem.*, **2**, 146 (2004) R₅₂
20. **Z. M. Bugarčić**, J. D. Dunkić, B. M. Mojsilović, 'A simple, convenient and expeditious approach to cineol', *Heteroatom Chem.*, **15**, 468 (2004) R₅₂
21. **Z. Bugarčić**, S. Novokmet, and V. Kostić "A Selective oxidation of some primary and secondary benzylic alcohols to the corresponding carbonyl compounds with Cu(III) complex" , *J. Serb. Chem. Soc.*, **70** (5), 681 (2005) R₅₂
22. **Z. M. Bugarčić**, M. P. Gavrilović, and V. M. Divac 'An Improved Phenylselenoetherification of Pent-4-en-1-ol', *Monats. Chem.*, **138**, 149 (2007) R₅₁
23. **Z. M. Bugarčić**, V. M. Divac, and M. P. Gavrilović, 'An Efficient Route to Phenylselenoethers in the Presence of Ag₂O', *Monats. Chem.*, **139**, (2007) R₅₁
24. D. Petrović, B. Stoimirovic, B. Petrovic. **Z. M. Bugarčić** and Ž. D. Bugarčić, "Studies of interactions between platinum(II) complexes and some biologically relevant molecules", *Bioorg & Med. Chem.*, **15**, 4203 (2007) R₅₁

25. **Zorica M. Bugarčić***, Biljana M. Mojsilović, Vera M. Divac, "Facile pyridine-catalyzed phenylselenoetherification of alkenols" *J. Mol. Cat A: Chem.* **170**, 267-269 (2007) **R₅₁**
26. **Zorica M. Bugarčić***, Biljana V. Petrović, Marina D. Rvović, " Kinetics and mechanism of the pyridine-catalyzed reaction of phenylselenenyl halides and some unsaturated alcohols " *J. Mol. Cat A: Chem.* **287**, 171-175 (2008) **R₅₁**
27. Vera M. Divac, Marina D. Rvović, and **Z. M. Bugarčić**, ' Rapid SnCl₂ catalyzed phenylselenoetherification of (*Z*)- and (*E*)- hex-4-en-1-ols', *Monats. Chem.*, , (2008) **R₅₁**

NAUČNA SAOPŠTENJA

1. M. Lj. Mihajlović, D. Marinković, S. Konstantinović and **Z. Bugarčić**: "Reactions of 5-methyl-4-hexen-1-ol, 6-methyl-5-hepten-2-ol and 2,6-dimethyl-5-hepten-2-ol with lead tetraacetate", 26th International Congress of Pure and Applied Chemistry, Köln (Germany), 1983. Abstracts of Paper 236 (1983).
2. S. Konstantinović, **Z. Bugarčić**, J. N. Milovanović, and M. Lj. Mihajlović: "Intramolecular cyclization of some open chain unsaturated alcohols with *tert*-butyl-hypochlorite", 30th International Congress of Pure and Applied Chemistry, Manchester (England) 1985. Abstracts of Papers 5P. 35 (1985).
3. S. Konstantinović, M. Lj. Mihajlović, **Z. Bugarčić**, and W. Wisniewski: "Intramolecular cyclization of olefinic alcohols with phenylselenenyl chloride", Fifth European Symposium of Organic Chemistry, Jerusalem (Israel) 1987. Abstracts of paper 129 (1987).
4. **Z. Bugarčić**, S. Konstantinović and M. Lj. Mihajlović: "Cyclization of olefinic benzyl ethers with phenylselenenyl halides", Sixth European Symposium on Organic Chemistry, Beograd 1989. Book of Abstracts 265 (1989).
5. **Z. Bugarčić**, S. Konstantinović and M. Lj. Mihajlović: "Cyclization of olefinic alcohols with phenylselenenyl halides", Sixth European Symposium on Organic Chemistry, Beograd 1989. Book of Abstracts 267 (1989).
6. S. Gronowitz, **Z. Bugarčić** and A.B. Hörnfeldt: "Studies of the Reaction of 3-Bromo-2,5-dimethylthiophene-1,1-Dioxide with Some Organocopper Reagents", 14:e ORGANIKERDAGARNA Ystad (Sweden) 1991. Abstracts of Papers 76 (1991).
7. **Z. Bugarčić**, B. Mojsilović and S. Konstantinović Phenylselenoetherification of Some Tertiary Alkenols 1st International Conference of the Chemical Societies of the South-East European Countries, Halkidiki, Greece, Book of abstracts PO 167 (1998)

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8. Z. Petrović, Lj. Marjanović, **Z. Bugarčić**, M. Joksović, S. Konstantinović
Dehalogenations of Polychloroalkanols by Means of Vitamin B₁₂
1st International Conference of the Chemical Societies of the South-East European Countries, Halkidiki, Greece, Book of abstracts PO 244 (1998)
9. S. Konstantinović, **Z. Bugarčić**, Lj. Marjanović and M. Lj. Mihailović
Reaction of Some Δ^6 -Alkenols with Benzenselenenyl Chloride
1st International Conference of the Chemical Societies of the South-East European Countries, Halkidiki, Greece, Book of abstracts PO 214 (1998)
10. **Z. Bugarčić**, S. Novokmet, G. L. Rosić and M. A. Rosić Physiological Activity of Some Phenylseleno Derivates of Histamine 1st International Conference of the Chemical Societies of the South-East European Countries, Halkidiki, Greece, Book of abstracts PO 168 (1998)
11. B. Mojsilović, **Z. Bugarčić**, S. Konstantinović Ciklizacije nekih Δ^4 -alkenola pomoću PhSeX (X=Cl, Br) u prisustvu piridina XXXIX Savetovanje srpskog hemijskog društva, Beograd, Izvodi radova OH-11 (1999)
12. D. Anđelković, Z. Petrović, **Z. Bugarčić**, B. Mojsilović Redukcija nekih hlor i brom-alkanola katalizovana vitaminom B₁₂ XXXIX Savetovanje srpskog hemijskog društva, Beograd, Izvodi radova str. 120 (1999)
13. Ž. Senić, S.S. Novokmet, D.D. Janković, **Z. M. Bugarčić** Oksidacija benzilnih alkohola pomoću diperjodato-argentat(III)-kompleksa XXXIX Savetovanje srpskog hemijskog društva, Beograd, Izvodi radova OH-22 (1999)
14. V. M. Kostić, S. S. Novokmet, **Z. M. Bugarčić**
Prevođenje primarnih i sekundarnih benzilnih alkohola u odgovarajuće aldehide i ketone oksidacijom pomoću diperjodato-kuprat(III)-kompleksa XXXIX Savetovanje srpskog hemijskog društva, Beograd, OH-38 (1999)
15. M. Gavrilović, B. Mojsilović, **Z. Bugarčić** Piridine-mediated Phenylselenoetherification of Some Alkenols by Using of Phenylselenenyl Halides 2nd International Conference of the Chemical Societies of the South-East European Countries, Halkidiki, Greece, Book of abstracts PO 531 (2000)
16. M. Gavrilović, B. Mojsilović, S. Grujić and **Z. Bugarčić** Pyridine-mediated phenylselenoetherification of some Δ^4 -alkenols Conference "Situation and perspective of research and development in chemical and mechanical industry", Kruševac, Yugoslavia, Book 2: Chemistry, technology, education, 75-80 (2001)
17. **Z. Bugarčić**, B. Mojsilović Phenylselenoetherification of some alkenols in the presence of Lewis acid as catalyst 4nd International Conference of the Chemical Societies of the South-East European Countries, Belgrade, Serbia, Book of abstracts PO (2004)
18. **Z. Bugarčić**, S. Matić, B. Mojsilović Base catalysed cyclizations of alkenols with PhSeX XVIIIth Congress of Chemists and Technologists of Macedonia, Ohrid, Republic of Macedonia, Book of abstracts OCB 17 (2004)
19. **Z. Bugarčić**, V. Karić, B. Mojsilović Phenylselenoetherification of some alkenols in the presence of Ag⁺ ions XVIIIth Congress of Chemists and Technologists of Macedonia, Ohrid, Republic of Macedonia, Book of abstracts OCB 16 (2004)

UDŽBENICI

Preparativna organska hemija, Zorica Bugarčić, PMF-Kragujevac, 1997

ČLANSTVO U DOMAĆIM I INOSTRANIM ORGANIZACIJAMA

Srpko hemijsko društvo

MENTORSTVO

<i>Doktorati:</i>	3
<i>Magistature:</i>	3
<i>Specijalizacije:</i>	3