

Dr Snežana D. Marković, docent
Curriculum Vitae

Prezime:	Marković
Ime:	Snežana
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Datum rođenja	13.04.1970.
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OBRAZOVANJE

Osnovna škola:	Rača Kragujevačka, Srbija (1977–1985).
Srednja škola:	Rača Kragujevačka (1985-1987); Smederevska Palanka, (1987–1989), Srbija
Studije molekularne biologije i fiziologije:	Biološki fakultet
	Univerzitet u Beogradu
	Beograd, 1989–1994.
Poslediplomske studije:	Prirodno-matematički fakultet
	Univerzitet u Kragujevcu
	Kragujevac, 1994-1997
Doktorske studije:	Prirodno-matematički fakultet
	Univerzitet u Kragujevcu,
	Kragujevac, 2000–2004.
Strani jezici:	Engleski, Ruski

PROFESIONALNA KARIJERA

<i>Docent:</i>	Institut za biologiju i ekologiju
	Prirodno-matematički fakultet
	Univerzitet u Kragujevcu
	Kragujevac, 2006-
<i>Vanredni profesor:</i>	
<i>Redovni profesor:</i>	
<i>Predmeti koje predaje:</i>	Osnovi molekularne biologije, Biotehnologija, Biologija čoveka, Hematologija, Molekularna fiziologija, Metode molekularnog kloniranja Uporedna fiziologija (vežbe)
<i>Naučna oblast istraživanja:</i>	Fiziologija životinja i čoveka i molekularna biologija

UČEŠĆE NA PROJEKTIMA

Domaći:	Broj projekta	Naziv projekta
	143035 B	"Proučavanje poremećaja homeostaze i određivanje biomarkera oksidacionog stresa kod aerobnih organizama"
	III41010	„Preklinička ispitivanja bioaktivnih supstanci“
Međunarodni:	Broj projekta	Naziv projekta
	40053_2005	Tempus projekat "Science Teacher Education Revision and Upgrading" (STERU).
	206809	FP7 projekat "Centre for preclinical testing of active substances" (CPCTAS)

NAUČNI RADOVI (ISI lista)

1. Zarić J, Lazić D, Marković S, Glišin V, Ivanović Z, Milenković P, Popović Z. Alpha- and beta-globins of the anemic Belgrade laboratory rat. II. The effect of hemin and iron-dextran treatment. Hemoglobin 1998, 22: 231-244.
2. Maletić SD, Kostić MM. Effects of nitroglycerin on energy metabolism of rat reticulocytes. J Physiol Pharmacol 1999, 50: 75-87.
3. Maletić SD, Dragičević-Đoković LjM, Žikić RV, Štajn AŠ, Kostić MM. Effects of nitric oxide donor, isosorbide dinitrate, on energy metabolism of rat reticulocytes. Physiol Res 1999, 48: 417-427.
4. Maletić SD, Dragičević-Đoković LjM, Jakovljević VLj, Milovanović DR, Rosić MA, Kostić MM. Alterations of energy metabolism of rat reticulocytes under influence of molsidomine. Exp. Clin. Cardiol. 1999, 4(3): 152-158.
5. Maletić SD, Dragičević-Djoković LjM, Žikić RV, Štajn AŠ, Milenković P, Kostić MM. Effects of nitric oxide donors on energy metabolism of rat erythrocytes. J Environ Pathol Toxicol Oncol 2000, 19: 383-390.
6. Maletić SD, Dragičević-Djoković LjM, Ivanović Z, Milenković P. Energy status of red blood cells in the anaemic Belgrade laboratory rat. Haema 2000, 3(1): 36-41.
7. Ognjanović BI, Pavlović SZ, Maletić SD, Žikić RV, Štajn AŠ, Saičić ZS, Radojičić RM, Petrović VM. Protective influence of vitamin E on antioxidant defense system in the blood of rats treated with cadmium. Physiol Res 2003, 52: 563-570.
8. Maletić SD, Dragičević-Đoković LjM, Ognjanović BI, Žikić RV, Štajn AŠ, Spasić MB. Effects of exogenous donor of nitric oxide - sodium nitroprusside on energy production of rat reticulocytes. Physiol Res 2004, 53 (4): 439-447.
9. Marković SD, Ognjanović BI, Štajn AŠ, Žikić RV, Saičić ZS, Radojičić RM, Spasić MB. The effects of nitroglycerine on the redox status of rat erythrocytes and reticulocytes. Physiol Res 2006, 55: 389-396.
10. Ognjanović BI, Marković SD, Pavlović SZ, Žikić RV, Štajn AŠ, Saičić ZS. Combined effects of coenzyme Q10 and Vitamin E in cadmium induced alterations of antioxidant defense system in the rat heart. Environ Toxicol Pharmacol 2006, 22:219-224.
11. Žikić RV, Ognjanović BI, Marković SD, Pavlović SZ, Mihajlović RP, Saičić ZS, Štajn AŠ. Lipid peroxidation and level of antioxidant compounds (vitamins E and C) in the liver and white muscle of red mullet (Mullus barbatus) from the Adriatic Sea. Period Biol 2006, 108/2: 139-143.
12. Marković SD, Vukajlović MDj, Ognjanović BI, Štajn AŠ, Žikić RV, Saičić ZS, Radojičić RM, Jones DR, Spasić MB. The effects of molsidomine and 3-morpholinosydnonimine on

<p>redox status of rat erythrocytes and reticulocytes: a comparative study. <i>Cell Biochem Funct</i> 2007, 25: 251-258. DOI: 10.1002/cbf.1320</p>
<p>13. Đorđević NZ, Babić GM, <u>Marković SD</u>, Ognjanović BI, Štajn AŠ, Žikić RV, Saičić ZS. Oxidative stress and changes in antioxidative defense system in erythrocytes of preeclampsia in women. <i>Rep Toxicol</i> 2008, 25: 213-218.</p>
<p>14. Ognjanović BI, <u>Marković SD</u>, Pavlović SZ, Žikić RV, Štajn AŠ, Saičić ZS. Effect of chronic cadmium exposure on antioxidant defense system in some tissues of rats: protective effect of selenium. <i>Physiol Res</i> 2008, 57: 403-411.</p>
<p>15. <u>Marković SD</u>, Milošević MP, Djordjević NZ, Ognjanović BI, Štajn AŠ, Saičić ZS, Spasić MB. Time course of hematological parameters in bleeding-induced anemia. <i>Arch Biol Sci</i> 2009, 61: 165-170. ISSN: 0354-4664.</p>
<p>16. Djordjević NZ, Babić GM, <u>Marković SD</u>, Ognjanović BI, Stajin AS, Saicic ZS. The antioxidative effect of estradiol therapy on erythrocytes in women with preeclampsia. <i>Reprod Toxicol</i> 2010, 29: 231-236. ISSN: 0890-6238.</p>
<p>17. Ognjanović BI, <u>Marković SD</u>, Djordjević NZ, Trbojević IS, Stajin AS, Saicic ZS. Cadmium-induced lipid peroxidation and changes in antioxidant defense system in the rat testes: Protective role of coenzyme Q(10) and Vitamin E. <i>Reprod Toxicol</i> 2010, 29: 191-197. ISSN: 0890-6238.</p>
<p>18. Trbojević IS, Ognjanović BI, Djordjević NZ, <u>Marković SD</u>, Stajin AS, Gavric JP, Saicic ZS. Effects of cisplatin on lipid peroxidation and the glutathione redox status in the liver of male rats: the protective role of selenium. <i>Arch Biol Sci</i> 2010, 62: 75-82. ISSN: 0354-4664.</p>
<p>19. <u>Marković SD</u>, Obradović AD, Žižić JB, Ognjanović BI, Štajn AŠ, Saičić ZS, Spasić MB. Glutathione Status in the Blood of Rats After Reticulocytosis Induced by Phenylhydrazine and Bleeding. <i>Arch Biol Sci</i> 2010, 62: 589-594. ISSN: 0354-4664.</p>
<p>20. <u>Marković SD</u>, Djačić DS, Cvetković DM, Obradović AD, Žižić JB, Ognjanović BI, Štajn AŠ. Effects of acute in vivo cisplatin and selenium treatment on hematological and oxidative stress parameters in red blood cells of rats. <i>Biol Trace Elem Res</i> 2011, 142: 660-670. DOI 10.1007/s12011-010-8788-9. ISSN: 0163-4984.</p>
<p>21. <u>Marković SD</u>, Žižić JB, Obradović AD, Ognjanović BI, Štajn AŠ, Saičić ZS, Spasić MB. Energy production and redox status of rat red blood cells after reticulocytosis induced by various treatments. <i>Acta Biol Hung</i> 2011, 62/2: 122-132. ISSN: 0236-5383.</p>
<p>22. Stanković MS, Ćurčić MG, Žižić JB, Topuzović MD, Solujić SR, <u>Marković SD</u>. Teucrium Plant Species as Natural Sources of Novel Anticancer Compounds: Antiproliferative, Proapoptotic and Antioxidant Properties. <i>Int J Mol Sci</i> 2011, 12, 4190-4205; doi:10.3390/ijms12074190</p>
<p>23. Mitrović T, Stamenković S, Cvetković V, Tošić S, Stanković M, Radojević I, Stefanović O, Čomić Lj, Đačić D, Ćurčić M, <u>Marković S</u>. Antioxidant, Antimicrobial and Antiproliferative Activities of Five Lichen Species. <i>Int J Mol Sci</i> 2011, 12(8), 5428-5448; doi:10.3390/ijms12085428</p>
<p>24. Trišović N, Božić B, Obradović A, Stefanović O, <u>Marković S</u>, Čomić Lj, Božić B, Ušćumlić G. Structure-activity relationships of 3-substituted-5,5-diphenylhydantoin derivatives as potential antiproliferative and antimicrobial agents. <i>J Serb Chem Soc</i>, 2011, 76: 1597-1606.</p>
<p>25. <u>Marković SD</u>, Žižić JB, Djačić DS, Obradović AD, Ćurčić MG, Cvetković DM, Đorđević NZ, Ognjanović BI, Štajn AŠ. Alteration of oxidative stress parameters in red blood cells of rats after chronic in vivo treatment of cisplatin and selenium. <i>Arch Biol Sci</i> 2011, 63: 991-999. ISSN: 0354-4664.</p>
<p>26. Ćurčić MG, Stanković MS, Radojević ID, Stefanović OD, Čomić LjR, Topuzović MD, Đačić DS, <u>Marković SD</u>. Biological effects, total phenolic content and flavonoid concentrations of fragrant yellow onion (<i>Allium flavum</i> L.). <i>Medicinal Chemistry</i>, 8, 2012.</p>

46-51.

27. Čurčić MG, Stanković MS, Mrkalić EM, Matović ZD, Banković DD, Cvetković DM, Đačić DS, Marković SD. Antiproliferative and Proapoptotic Activities of Methanolic Extracts from *Ligustrum vulgare* L. as an Individual Treatment and in Combination with Palladium Complex. *Int J Mol Sci* 2012 13 (2): 2521-2534.

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NAUČNA SAOPŠTENJA

UDŽBENICI

ČLANSTVO U DOMAĆIM I INOSTRANIM ORGANIZACIJAMA

MENTORSTVO

<i>Doktorati:</i>	1
<i>Magistature:</i>	1
<i>Specijalizacije:</i>	