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Profesionalno iskustvo

Oblasti interesovanja

Projekti

Izabrane publikacije

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Obrazovanje: **2006** Doktor biohemijskih nauka, Hemijski fakultet, Univerzitet u Beogradu
1998 Magistar biohemijskih nauka, Hemijski fakultet, Univerzitet u Beogradu
1994 Specijalista biohemijskih nauka, Hemijski fakultet, Univerzitet u Beogradu
1992 Diplomirani hemičar, Hemijski fakultet, Univerzitet u Beogradu

Zvanja: **1995** Istraživač
1998 Istraživač saradnik
2007 Naučni saradnik
2013 Viši naučni saradnik

Članstva u društvima: Srpsko hemijsko društvo, Biohemijsko društvo Srbije, Mikrobiološko društvo Srbije

Profesionalno iskustvo: **1992 – 1993** IMS
1995 – IHTM – Centar za hemiju

Nagrade i priznanja:

Oblasti interesovanja: Biotehnologija, mikrobiološka hemija, bioremedijacija, huminske kiseline, vitamini, probiotici, metabolički procesi

Stručne veštine:

Znanje jezika: Engleski, francuski

Najznačajniji projekti: Međunarodni projekti:

2014 – 2017 Projekat finansiran od strane JICA, Japan: "Capacity Building For Analysis And Reduction Measures Of Persistent Organic Pollutants In Serbia"

Domaći projekti:

2011 – 2016 Simultana bioremedijacija i soilifikacija degradiranih prostora, za očuvanje prirodnih resursa biološki aktivnih supstanci i razvoj i proizvodnju biomaterijala i dijetetskih proizvoda (E. br.: III 43004)

2008 – 2011 Proizvodni mobilni bioreaktor i dobijanje biomase mikroorganizama za bioremedijaciju (E. br.: 20131)

2006 – 2010 Biomasa i metabolizam nekih mikroorganizama kao izvor široko upotrebljivih proizvoda i biohemijskih reakcija (E. br.: 142018B)

2005 – 2007 Rekultivacija deponija isplake i mogućnost remedijacije i bioremedijacije zemljišta, otpadnih voda i teških takoga akcidentno i incidentno kontaminiranih naftom i njenih derivata (E. br.: TD 7032B)

2005 – 2007 Organski vezani esencijalni oligo i mikroelementi, prebiotici i probiotici u zdravoj hrani i infant formulama (E. br.: TR 6845B)

2002 – 2005 Metabolička aktivnost nekih osobenih mikroorganizama kao izvor biološki aktivnih supstanci i transformacija prirodnih i sintetičkih supstrata (E. br.: 101740)

Izabrane publikacije: Publikovani radovi:

1. Bojana Bolić, Ana Mijušković, Ana Popović-Bijelić, Aleksandra Nikolić-Kokić, **Snežana Spasić**, Duško Blagojević, Mihajlo B. Spasić, Ivan Spasojević; Reactions of superoxide dismutases with HS⁻/H₂S and superoxide radical anion: An *in vitro* EPR study, Nitric Oxide 51 (2015) 19e23
2. Milica Bajčetić, **Snežana Spasić**, Ivan Spasojević; REDOX THERAPY IN NEONATAL SEPSIS: REASONS, TARGETS, STRATEGY, AND AGENTS; SHOCK 2014 42(3) 179-184
3. Srđan B. Miletić, **Snežana D. Spasić**, Jelena Avdalović, Vladimir Beškoski, Mila Ilić, Gordana Gojgić-Cvijović, Miroslav M. Vrvic; The effect of humic acids on zymogenous microbial consortia growth, Clean – Soil Air Water 42(9) (2014), 1280-1283
4. Visnja Bogdanovic, **Snežana Spasic**, Lazar Rutonjski, Mihajla Djan, Jasminka Mrdjanovic; Dose-dependent survival of K562 cells subjected to irradiation, time course of endogenous enzyme activity and protective effect of applied superoxide dismutase; JBUON 2014; 19(2): 554-561
5. Aleksandar J. Ristić, Dragoslav Sokić, Vladimir Baščarević, **Snežana Spasić**, Nikola Vojvodić, Slobodan Savić, Savo Raičević, Maša Kovačević, Danijela Savić, Ivan Spasojević; Metals and electrolytes in sclerotic hippocampi in patients with drug-resistant mesial temporal lobe epilepsy; Epilepsia 55(5) 2014, 2014
6. Nikoleta M. Lugonja, Dalibor M. Stanković, **Snežana D. Spasić**, Goran M. Roglić, Dragan D. Manojlović, Miroslav M. Vrvic; Comparative Electrochemical Determination of Total Antioxidant Activity in Infant Formula with Breast Milk; Food Anal. Methods 7(2) 2014 337-344
7. Milica Bajčetić, Biljana Otašević, Niveska B Prekajski, **Snežana Spasić**, Ivan Spasojević; Antioxidative system in the erythrocytes of preterm neonates with sepsis: the effects of vitamin E supplementation; Ann. Clin. Biochem. 51(5) 2014, 550-556
8. Nikoleta Lugonja, **Snežana D. Spasić**, Olga Laugier, Aleksandra Nikolić-Kokić, Ivan Spasojević, Zorana Oreščanin-Dušić, Miroslav M. Vrvic; Differences in direct pharmacologic effects and antioxidative properties of mature breast milk and infant formulas, Nutrition 29 (2013) 431-435
9. Ivan Spasojević, Budimir Obradović, **Snežana Spasić**, Bench-to-beside review: Neonatal sepsis – redox processes in pathogenesis, Critical Care 16 (2012) 221-231
10. Michael Everton Andrades, Arian Morina, **Snežana Spasić**, Ivan Spasojević, Bench-to-bedside review: Sepsis – from the redox point of view, Critical Care 15 (2011) 230
11. Ivan Spasojević, Miloš Mojović, Duško Blagojević, **Snežana D. Spasić**, David R. Jones, Aleksandra Nikolić - Kokić, Mihajlo B. Spasić; Relevance of the capacity of phosphorylated fructose to scavenge the hydroxyl radical. Carbohydrate Research 344 (2009), 80-84
12. Olga B. Laugier, **Snežana D. Spasić**, Vesna Mandić, Dragica Jakovljević, Miroslav M. Vrvic; The effect of repetitive alkaline/acid extractions of Saccharomyces cerevisiae cell wall on antioxidative and bifidogenic efficacy. Int. J. Food Sci. Tech. 47 (2012) 369-375.
13. Oreščanin Z., Milovanović S., **Spasić S.**, Jones D., Spasić M.; Different responses of mesenteric artery from normotensive and spontaneously hypertensive rats to nitric oxide and its redox congeners. Pharmacological Report 59 (2007), 325-332
14. Ana Nićiforović, Miroslav Adžić, **Snežana D. Spasić**, Marija B. Radojčić; Antitumor Effects of a Natural Anthracycline Analog (Aloin) Involve Altered Activity of Antioxidant Enzymes in HeLaS3 Cells. Cancer Biology & Therapy 6(8) (2007), 1200-1205
15. Olga B. Martinov, **Snežana D. Spasic**, Nikoleta M. Lugonja, Gordana Dj. Gojgić-Cvijovic, Miroslav M. Vrvic, Infant formula as a substrate for bifidogenesis: An *in vitro* investigation, Afr. J. Biotechnol. 10(12) (2011) 2302-2307.
16. Nikoleta M. Lugonja, Olga B. Martinov, Mirjana M. Rasovic, **Snežana D. Spasic**, Gordana Dj. Gojgić, Miroslav M. Vrvic, A Comparative Investigation on an *in vitro* and Clinical Test of the Bifidogenic Effect of an Infant Formula, J. Clin. Biochem. Nutr. 47 (2010) 208-216
17. Ivan Spasojević, Miloš Mojović, Zorica Stević, **Snežana D. Spasić**, David R. Jones, Arian Morina, Mihajlo B. Spasić; Bioavailability and catalytic properties of copper and iron for Fenton chemistry in human cerebrospinal fluid. Redox Report 15(1) (2010), 29-39
18. Miroslav Adžić, Ana Nićiforović, Božidarka Zarić, Zora Nešković-Konstantinović, **Snežana D. Spasić**, David R. Jones, Marija B. Radojčić; Cell culture conditions potentiate differences in the response to ionising radiation of peripheral blood leukocytes isolated from breast cancer patients and healthy subjects. Redox Report 13(1) (2008), 17-22
19. Ana Nićiforović, Miroslav Adžić, **Snežana D. Spasić**, David Jones, Marija B. Radojčić; Do altered activities of superoxide dismutases and NF-κB level in HeLaS3 cells modulate effects of gamma-radiation. J. Serb. Chem. Soc. 72(10) (2007), 945-952
20. Miroslav Adžić, Ana Nićiforović, Vesna Vučić, Zora Nešković-Konstantinović, **Snežana D. Spasić**, David R. Jones, Marija B. Radojčić, Mihajlo B. Spasić; Systemic NFκB Activation in blood cells of breast cancer patients. Redox Report 11(1) (2006), 39-44

Saopštenja:

1. Vladimir P. Beškoski, Gordana Gojgić-Cvijović, Jelena Milić, Mila Ilić, Srđan Miletić, **Snežana Spasić**, Miloš Takić, Tanja Šolević, Aleksandra Šainović, Ivan Vučković, Branimir Jovančević, Miroslav M. Vrvic; Ex situ bioremediation in mobile facility: Our experience with mobile production bioreactor for microbial biomass and various types and levels of pollutants; 3rd International Scientific Conference "Remediation 2010": Contemporary remediation technologies for environmental conservation and protection, 11-12 May,

- Belgrade 2010, p. 1-9
2. D.V.Vranic, A.T. Spiric, L.R.Turbatović, **S.D.Spasic**, P.Radetic; Lipids and glutathione - dependent enzymes in the pig neck; 54th International Congress of meat science and technology, Cape Town, South Africa 2008, CD- Proceedings, session 6-6,25 p 1-3.
 3. Turbatović D., Vranic D., Nikolić-Kokić A., **Spasić S.D.**, Radetić P.; Comparison of the muscle of the antioxidant defence enzymes in pigs and bulls. Proceedings of 53rd International Congress of Meat Science and technology, Ed. Guanghong Zhou and Weili Zhang, Beijing China agricultural University Press (2007), p 167-168.
 4. G. Gojgić-Cvijović, V.P. Beškosi, J. Milić, M. Ilić, T. Šolević, **S. Miletić**, I. Vučković, B. Potkonjak, B. Jovančević, M. Radulović, D. Djordjević, D. Jakovljević, O. Martinov, S. Spasić, V. Matic, B. Nastasijević, M. M. Vrvic; Isolation, selection and adaptation of zymogenous microorganisms: a basis of successful bioremediation; Scientific gathering: Implementation of remediation in environmental quality improvement, 27th November, Belgrade 2006, p 125-132
 5. N.M. Lugonja, O.B. Laugier, **S.D. Spasic**, G.Dj. Gojgic-Cvijovic, M.M. Vrvic, Bifidogenic effect of a follow-on formula supplemented with prebiotics; Abstracts of the International Symposium of Probiotics & Prebiotics in Pediatrics, Istanbul, Turkey, Feb 24-26, 2012, p.82
 6. Nikoleta M. Lugonja, Olga B. Martinov, **Snežana D. Spasić**, Gordana Đ. Gojgić-Cvijović, Miroslav M. Vrvic, Comparative Clinical Study and In Vitro Test of Bifidogenic Effect of Two Infant Formulas Supplemented With Inulin and Fos; 1st FCUB ERA Workshop "Food Safety and Health Effects of Food", January 31 – February 1, 2011, Belgrade, Serbia
 7. Olga B. Martinov, **Snežana D. Spasić**, Nikoleta M. Lugonja, Gordana Đ. Gojgić-Cvijović, Miroslav M. Vrvic, Effect of Prebiotic Infant Formula on The Infant's Gut Microbial Composition and Anthropometric Factors: Clinical Study; 1st FCUB ERA Workshop "Food Safety and Health Effects of Food", January 31 – February 1, 2011, Belgrade, Serbia
 8. N.M. Lugonja, O.B. Laugier, **S.D. Spasic**, G.Dj. Gojgic-Cvijovic, M.M. Vrvic, Effect of a follow-on formula supplemented with prebiotics on the baby's gut composition; 7th Balkan Congress of Microbiology "Microbiologia Balkanica 2011", October 25-29, 2011 Belgrade, Serbia
 9. **S. Spasic**, V. Bogdanovic, O. Martinov, S. Miletic, M. Vrvic; Redox status of K562 cells after α -tocopherol treatment; Abstracts of the 14th European Congress on Biotechnology (ECB 14)-Symbiosis, Barcelona, Spain, 13-16 September, 2009
New Biotech. 25S (2009) S5
 10. O. Martinov, N. Lugonja, **S. Spasic**, G. Gojgic-Cvijovic, M. Vrvic; Investigation of differences in intestinal microbial composition between breast-fed and infant prebiotic formula-fed infants. Abstracts of the 14th European Congress on Biotechnology (ECB 14)-Symbiosis, Barcelona, Spain, 13-16 September, 2009, New Biotech. 25S (2009) S373
 11. N. Lugonja, O. Martinov, **S. Spasic**, G. Gojgic, M. Vrvic; Similar bifidogenic effects of the infant formulae with added inuline and breast feeding on gut microflora. Abstracts of the 14th European Congress on Biotechnology (ECB 14)-Symbiosis, Barcelona, Spain, 13-16 September, 2009, New Biotech. 25S (2009) S373-S374
 12. M. Vrvic, V. Beškosi, O. Cvetković, V. Dragutinović, V. Matic, **S. Spasić**, D. Vitorović; Review of our beneficiation of oil shale by bioprocessing on laboratory scale. International Oil Shale Symposium, Tallin, Estonia, 8-11 June 2009, p. 103
 13. N.M. Lugonja, O.B. Martinov, **S.D. Spasic**, G.Dj. Gojgic-Cvijovic, M.M. Vrvic; Clinical trial of bifidogenic effect of the infant formulae with added inuline. Abstracts of the 1st European Food Congress, Ljubljana, Slovenia, 4-9 November 2008, Organised by EFFoST, Ljubljana 2008, P 229
 14. O.B. Martinov, **S.D. Spasic**, G.Dj. Gojgic-Cvijovic, V.F. Matic, M.M. Vrvic; In vitro test: Rapid method for the evaluation of infant formulae bifidogenic effect. Abstracts of the 1st European Food Congress, Ljubljana, Slovenia, 4-9 November, 2008, Organised by EFFoST, Ljubljana 2008, P 237
 15. **Snežana Spasić**, Olga Martinov, Višnja Bogdanović, Srdjan Miletić, Miroslav Vrvic; Effect of α -tokoferol and α -tokoferol + nitric oxide donor on L929 cells. 5th Balkan congress for microbiology, Budva, Montenegro, October 2007, p 146
 16. Stević Z., Spasojević I., **Spasić S.D.**, Mojović M., Nikolić - Kokić A.; Ascorbate free radical in csf of als: an erp spectroscopy study. 18th International symposium on ALS/MND, Toronto, Canada, December 2007, Book of Abstract, p. 120
 17. Martinov O.B., **Spasić S.D.**, Jakovljević D.M., Živić N.M., Vrvic M.M.; β -D-Glucan from baker's yeast: new potential prebiotic; 2nd FEMS congress of European Microbiologists, Spain, Madrid, July 2006, Book of Abstract, p. 199

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