



Научно стручно веће за природно математичке науке

Предмет: Образац о испуњавању услова за избор у звање наставника

Ime i prezime

Biljana Arsić

Datum rođenja

Naziv i sedište ustanove/organizacije u kojoj je kandidat zaposlen

Radno mesto

Datum prvog izbora u sadašnje zvanje

Datum raspisivanja konkursa

16.11.2015

Način (mesto) objavljivanja

Zvanje za koje je raspisan konkurs

Docent

Uža naučna oblast

1. Doktorat nauka iz oblasti za koju se bira

(naziv doktorske disertacije, naučna oblast, godina i mesto odbrane)

Macrolide antibiotics as anti-bacterial and potential anti-malarial medicines, Farmacija (Medicinska hemija), Univerzitet u Mančesteru, Mančester, Velika Britanija, 2012.

4. U poslednjih pet godina najmanje jedan rad objavljen u časopisu koji izdaje Univerzitet u Nišu ili fakultet Univerziteta u Nišu, u kojem je prvopotpisani autor rada

5. U poslednjih pet godina ostvarenih najmanje 6 poena objavljivanjem naučnih radova u časopisima kategorija M21, M22, ili M23, u skladu sa načinom bodovanja Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije, pri čemu bar na jednom radu sa SCI ili SCIE liste kandidat mora biti prvopotpisani autor rada

1. R. Micic, S. Mitic, B. Arsic, A. Jokic, M. Mitic, D. Kostic, A. Pavlovic, M. Cekerevac, Lj. Nikolic-Bujanovic, Z. Spalevic, Statistical characteristics of selected elements in vegetables from Kosovo, Environmental Monitoring and Assessment, 2015, article: 389.
2. V. Miljkovic, Lj. Nikolic, N. Radulovic, B. Arsic, G. Nikolic, D. Kostic, Z. Bojanic, J. Zvezdanovic, Identification of nonanthocyanin phenolics in some mulberry fruit species (Morus alba L., Morus rubra L. and Morus nigra L.), Agro Food Industry Hi Tech, 2015, 26 (3), 38-42.
3. S. Stojiljkovic, M. Stamenkovic, D. Kostic, M. Miljkovic, B. Arsic, I. Savic, I. Savic, Investigations of the changes in the bentonite structure caused by the different treatments, Science of Sintering, 2015, 47 (1), 51-59.
4. S. S. Randjelovic, D. A. Kostic, B. B. Arsic, S. S. Mitic, I. D. Rasic, M. N. Mitic, D. S. Dimitrijevic, G. S. Stojanovic, Chemometric analysis of grapes, Open Chemistry, 2015, 13, 675-682.
5. B. T. Stojanovic, S. S. Mitic, M. N. Mitic, D. Dj. Paunovic, B. B. Arsic, G. S. Stojanovic, The multielement analysis of the apple peel using ICP-OES method, Advanced Technologies, 2014, 3 (2), 96-104.
6. S. S. Randjelovic, D. A. Kostic, B. B. Arsic, G. Stojanovic, Bioaccumulation of metals in different species of mulberry, Advanced Technologies, 2014, 3 (2), 105-110.
7. B. Arsic, A. Awan, R. Brennan, J. Aguilar, R. Ledder, A. J. McBain, A. C. Regan, J. Barber, Theoretical and experimental

- investigation on clarithromycin, erythromycin A and azithromycin and descladinosyl derivatives of clarithromycin and azithromycin with 3-O-substitution as anti-bacterial agents, *Medicinal Chemistry Communications*, 2014, 5(9), 1347-1354.
8. V. Miljkovic, B. Arsic, G. Nikolic, Lj. Nikolic, B. Kalicanin, V. Savic, Interactions of metronidazole with other medicines: a brief review, *Die Pharmazie*, 2014, 69, 571-577. (citiranost: 3)
9. S. S. Randjelovic, D. A. Kostic, G. S. Stojanovic, S. S. Mitic, M. N. Mitic, B. B. Arsic, A. N. Pavlovic, Metals content of soil, leaves and wild fruit from Serbia, *Central European Journal of Chemistry*, 2014, 12 (11), 1144-1151. (citiranost: 2)
10. S. Stojiljkovic, V. Miljkovic, G. Nikolic, D. Kostic, B. Arsic, J. Barber, I. Savic, I. Savic, The influence of the addition of polymers on the physico-chemical properties of bentonite suspensions, *Science of Sintering*, 2014, 46 (1), 65-73.
11. S. Stojiljkovic, M. Stamenkovic, D. Kostic, M. Miljkovic, B. Arsic, I. Savic, I. Savic, V. Miljkovic, The influence of organic modification on the structural and adsorptive properties of bentonite clay and its application for the removal of lead, *Science of Sintering*, 2013, 45 (3), 363-376. (citiranost: 1)
12. D. A. Kostic, J. M. Velickovic, S. S. Mitic, M. N. Mitic, S. S. Randjelovic, B. B. Arsic, A. N. Pavlovic, Correlation among phenolic, toxic metals and antioxidant activity of the extracts of plant species from Southeast Serbia, *Bulletin of the Chemical Society of Ethiopia*, 2013, 27 (2), 169-178. (citiranost: 1)
13. M. Kadirvel, W. T. Stimpson, S. Moumene-Afifi, B. Arsic, N. Glynn, Nigel Halliday, P. Williams, P. Gilbert, A. J. McBain, S. Freeman, J. M. Gardiner, Synthesis and bioluminescence-inducing properties of autoinducer (S)-4,5-dihydropentane-2,3-dione and its enantiomer, *Bioorganic and Medicinal Chemistry Letters*, 2010, 20 (8), 2625-2628. (citiranost: 9)

6. Najmanje jedan rad saopšten na međunarodnom ili domaćem naučnom skupu.

1. Prezentovan poster pod nazivom: Kompjuterske (konformaciona i doking) analize ciljanih pesticida/Computational (conformational and docking) analyses of targeted pesticides, autora: Biljana Arsic, Jelena Djordjevic, Tatjana Trtic-Petrovic, Treća konferencija mladih hemičara Srbije/Third Conference of Young Chemists of Serbia, 24. 10. 2015, Beograd, Republika Srbija, 92.
2. Prezentovan poster pod nazivom: Anti-malarial activity of macrolide antibiotics: In silico study on the apicoplast ribosomal exit tunnel of Plasmodium falciparum, autora: Biljana Arsic, Richard Bryce, Jill Barber, Joliot-Curie Conference 2015, 16-17. 9. 2015, Kembridž, Velika Britanija, P11.
3. Prezentovan poster pod nazivom: Qualitative analysis of pigments and binders in paint colors used in "Still life" by Milan Konjovic, autora: Milena N. Miljkovic, Biljana B. Arsic, Vesna V. Paunovic, Milos Djokic, TECHNART2015, 27-30. 4. 2015, Katanija, Italija, P2-155.
4. Prezentovan poster pod nazivom: Determination of chemical composition and antioxidative activity of the extracts from Calendula officinalis L., autora: D. Kostic, V. Miljkovic, B. Arsic, N. Bojanic, V. Bojanic, Lj. Nikolic, The 33rd Balkan Medical Week, 8-11. 10. 2014, Bukurešt, Rumunija, Archives of the Balkan Medical Union, 49 (Supplement 1) (2014), A105-A106.
5. Prezentovan poster pod nazivom: Flavonoids from mulberry fruit (Morus alba L., Morus rubra L. and Morus nigra L.), autora: V. Miljkovic, Lj. Nikolic, N. Radulovic, B. Arsic, G. Nikolic, D. Kostic, J. Zvezdanovic, Z. Bojanic, The 33rd Balkan Medical Week, 8-11. 10. 2014, Bukurešt, Rumunija, Archives of the Balkan Medical Union, 49 (Supplement 1) (2014), A110.
6. Prezentovan poster pod nazivom: Sanitary protection zones in the city of Leskovac-Serbia, autora: D. Zizic, M. Miljkovic, G. Nikolic, B. Arsic, The 33rd Balkan Medical Week, 8-11. 10. 2014, Bukurešt, Rumunija, Archives of the Balkan Medical Union, 49 (Supplement 1) (2014), A131.
7. Prezentovan poster pod nazivom: Influence of additives on absorption spectra of food dye CI Food Blue 5 and its determination in food products, autora: M. N. Miljkovic, V. Rakic, V. Miljkovic, B. Arsic, 14th International multidisciplinary scientific geoconference SGEM 2014, 17-26. 6. 2014, Albena, Bugarska, 359-366.
8. Prezentovan poster pod nazivom: Adsorption of malachite green onto bentonite modified with carboxymethyl cellulose, autora: V. Miljkovic, M. N. Miljkovic, M. Randjelovic, B. Arsic, D. Kostic, S. Stojiljkovic, Lj. Nikolic, Z. Todorovic, 14th International multidisciplinary scientific geoconference SGEM 2014, 17-26. 06. 2014, Albena, Bugarska, 559-566.
9. Prezentovan poster pod naslovom: Primena hemijskih sredstava na bazi kalofonijuma za restauraciju umetničkih slika, autora: M. Miljkovic, B. Arsic, V. Miljkovic, N. Radulovic, N. Djordjevic, D. Djordjevic, V. Savic, X Savjetovanje hemičara, tehnologa i ekologa Republike Srpske, 15-16. novembra 2013, Banja Luka, Republika Srpska.
10. Prezentovan poster pod naslovom: Modelling studies on the malarial apicoplast ribosomal exit tunnel as the target of macrolide antibiotics, autora: B. Arsic, R. Bryce, J. Barber, Ribosomes, 3-7. maja 2010, Orvieto, Italija.
11. Prezentovan poster pod nazivom "Modelling and NMR study on tylosin in water", autora: B. Arsic, J. Barber, 60th Indian Pharmaceutical Congress, 12-14. decembra 2008, Nju Delhi, Indija.
12. Prezentovan poster pod nazivom "Quantitative properties of ribosomal proteins", autora: B. Arsic, R. Bryce, J. Barber, Genomes for Systems, The fourth conference of the consortium for post-genome science, 17-19. mart 2008, Mančester, Velika Britanija.
13. Prezentovan poster pod nazivom "A kinetic-enzymatic method for the determination of Neomycin", autora: S. Mitic, G. Miletic, D. Kostic, I. Rasic, B. Arsic, A. Zarubica, EuroanalysisXIV, 9-14. septembra 2007, Antwerpen, Belgija.
14. Prezentovan poster pod nazivom "Rapid and reliable determination of doxycycline hyclate by High Performance Liquid

Chromatography with Ultraviolet Detection", autora: D. Kostic, S. Mitic, G. Miletic, D. Naskovic-Dokic, B. Arsic, I. Rasic, EuroanalysisXIV, 9-14. septembra 2007, Antwerpen, Belgija.

15. Prezentovan poster pod nazivom "Investigation of filler-rubber interactions of nano- and micro-filled NBR/CSM and CR/CSM cross-linking polymer blends", autora: B. Radovanovic, B. Arsic, A. Radovanovic, G. Nikolic, G. Markovic, 8th UNESCO School and IUPAC Conference on Macromolecules: Polymers for Africa (4-9. juna 2005), Mauricijus.

16. Prezentovan poster pod nazivom "Fatty Acids of Some Serbian Breeding Tobaccos", autora: G. Stojanovic, R. Palic, B. Arsic, D. Velickovic, S. Alagic, 4th International Conference of the Chemical Societies of the South-East European Countries on Chemical Sciences in Changing Times: Visions, Challenges and Solutions (18-21. jula 2004), Beograd, Republika Srbija.

17. Prezentovan poster pod nazivom "Applying chemical and thermal modified zeolites for purification of waste water produced by dyeing wool with acid dyes", autora: T. Pecev, V. Stankov-Jovanovic, B. Arsic, N. Radulovic, R. Stoimenov, B. Jovanovic, 4th International Conference "Chemistry and Environmental Protection", (23-26. septembra 2001), Zrenjanin, Republika Srbija.

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