Научно стручно веће за природно математичке науке

Предмет: Образац о испуњавању услова за избор у звање наставника

Ime i prezime

Aleksandar Veselinović

Datum rođenja

7 / 12 / 1978

Naziv i sedište ustanove/organizacije u kojoj je kandidat zaposlen

Medicinski fakultet u Nišu

Radno mesto

Asistent

Datum prvog izbora u sadašnje zvanje

15.6.2010

Datum raspisivanja konkursa

16.11.2015

Način (mesto) objavljivanja

Konkurs je objavljen 16.11.2015. godine u dnevnom listu "Narodne novine"

Zvanje za koje je raspisan konkurs

Docent

Uža naučna oblast

Hemija

1. Doktorat nauka iz oblasti za koju se bira
(naziv doktorske disertacije, naučna oblast, godina i mesto odbrane)

Naziv: "Uticaj dijamagnetnih dvovalentnih jona metala na autooksidaciju vicinalnih trihidroksilnih fenolnih jedinjenja u vodenim rastvorima"

Uža naučna oblast: Hemija

Godina: 2014

Mesto: Prirodno-matematički fakultet u Nišu

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

A.M. Veselinović, G.M. Nikolić. Influence of Zn(II) ion on the autoxidation of pyrogallol and gallic acid in weakly acidic aqueous solutions. Acta Fac Med Naiss 2015;32(2):127-135.

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

Kandidat je ostvario 116 poena objavljivanjem naučnih radova u časopisima kategorija M21, M22, ili M23, u skladu sa načinom bodovanja Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije.

A.M. Veselinović je prvopotpisani autor u 8 radova

M21 - rad u vrhunskom međunarodnom časopisu

1. A.P. Toropova, A.A. Toropov , A.M. Veselinović, J.B. Veselinović, E. Benfenati, D. Leszczynska, J. Leszczynski. Nano-QSAR: Model of mutagenicity of fullerene as a mathematical function of different conditions. Ecotox Environ Safe 2016;124:32–36.
2. A.M. Veselinović, J.B. Veselinović, A.A. Toropov, A.P. Toropova, G.M. Nikolić, In silico prediction of the β-cyclodextrin complexation based on Monte Carlo method. Int J Pharm 2015;495(1):404-409.
3. A.M. Veselinović, J.B. Veselinović, J.V. Živković, G.M. Nikolić. Application of SMILES notation based optimal descriptors in drug discovery and design. Curr Top Med Chem 2015;15(18):1768-1779.
4. L. Senerovic, M.D. Zivkovic, A. Veselinovic, A. Pavic, M.I. Djuran, S. Rajkovic, J. Nikodinovic-Runic. Synthesis and Evaluation of Series of Diazine-Bridged Dinuclear Platinum(II) Complexes through in Vitro Toxicity and Molecular Modeling: Correlation between Structure and Activity of Pt(II) Complexes. J Med Chem 2015;12;58(3):1442-1451.
5. A.P. Toropova, A.A. Toropov, J.B. Veselinović, A.M. Veselinović. QSAR as a random event: a case of NOAEL. Environ Sci Pollut Res 2014;22(11):8264-8271.
6. A.P. Toropova, A.A. Toropov, J.B. Veselinović, F.N. Miljković, A.M. Veselinović. QSAR models for HEPT derivates as NNRTI inhibitors based on Monte Carlo method. Eur J Med Chem 2014;77:298-305.
7. J.B.Veselinović, A.M. Veselinović, Ž.J. Vitnik, V.D. Vitnik, G.M. Nikolić, Antioxidant properties of selected 4-phenyl hydroxycoumarins: Integrated in vitro and computational studies. Chem-Biol Interact 2014; 214(1):49-56.
8. A.M. Veselinović, J.B. Milosavljević, A.A. Toropov, G.M. Nikolić. SMILES-based QSAR model for arylpiperazines as high-affinity 5-HT1A receptor ligands using CORAL. Eur J Pharm Sci 2013; 48(3):532-541.

M22 - rad u istaknutom međunarodnom časopisu

1. A.M. Veselinović, J.B. Veselinović, G.M. Nikolić, A.P. Toropova, A.A. Toropov. QSPR models for estimating retention in HPLC with the p solute polarity parameter based on the Monte Carlo method. Struct Chem 2015;Article in press. DOI: 10.1007/s11224-015-0636-2
2. J.B. Veselinović, G.M. Nikolić, N.V. Trutić, J.V. Živković, A.M. Veselinović. Monte Carlo QSAR Models for Predicting Organophosphate Inhibition of Acetycholinesterase. SAR QSAR Environ Res 2015;26(6):449-460.
3. J.B. Veselinović, G.M. Kocić, A. Pavić, J. Nikodinović-Runić, L. Senerović, G.M. Nikolić, A.M. Veselinović. Selected 4-phenyl hydroxycoumarins: In vitro cytotoxicity, teratogenic effect on zebrafish (Danio rerio) embryos and molecular docking study. Chem-Biol Interact 2015;231:10-17.
4. J.B. Veselinović, A.A. Toropov, A.P. Toropova, G.M. Nikolić, A.M. Veselinović. Monte Carlo Method-Based QSAR Modeling of Penicillins Binding to Human Serum Proteins. Arch Pharm 2015;348(1):62-67.
5. A.M. Veselinović, J.B. Milosavljević, A.A. Toropov, G.M. Nikolić. SMILES-Based QSAR models for the calcium channel-antagonistic effect of 1,4-dihydropyridines. Arch Pharm 2013;346 (2):134-139.

M23 - rad u međunarodnom časopisu

1. M.A Toropova, A.M Veselinović, J.B Veselinović, D.B Stojanović, A.A Toropov. QSAR modeling of the antimicrobial activity of peptides as a mathematical function of a sequence of amino acids. Comput Biol Chem 2015;59(Pt A):126-130.
2. J.V. Živković, N.V. Trutić, J.B. Veselinović, G.M. Nikolić, A.M. Veselinović. Monte Carlo method based QSAR modeling of maleimide derivatives as glycogen synthase kinase-3β inhibitors. Comput Biol Med 2015;64:276-282.
3. A.A. Toropov, A.P. Toropova, A.M. Veselinovic, J.B. Veselinović, K. Nesmerak, I. Raska Jr, P.R. Duchowicz, E.A. Castro, V.O. Kudyshkin, D. Leszczynska, J. Leszczynski. The Monte Carlo method based on eclectic data as an efficient tool for predictions of endpoints for nanomaterials - two examples of application. Comb Chem High T Scr 2015;18:376-386.
4. J.B. Veselinović, A.M. Veselinović, G.M. Nikolić, S.Z. Pešić, D.B. Stojanović, J.S. Matejić, T.M. Mihajilov-Krstev. Antibacterial potential of selected 4-phenyl hydroxycoumarins: integrated in vitro and molecular docking studies. Med Chem Res 2015;24(4):1626-1634.
5. A.A. Toropov, J.B. Veselinović, A.M. Veselinović, F.N. Miljković, A.P. Toropova. QSAR models for 1,2,4-benzotriazines as Src inhibitors based on Monte Carlo method. Med Chem Res 2015;24(1):283-290.
6. A.M. Veselinović, J.B. Veselinović, A.A. Toropov, A.P. Toropova, G.M. Nikolić. QSAR Models for the Reactivation of Sarin Inhibited AChE by Quaternary Pyridinium Oximes Based on Monte Carlo Method. Curr Comput-Aid Drug 2014;10(3):266-273.
7. A.M. Veselinović, R.S. Nikolić, G.M. Nikolić. Application of multivariate curve resolution-alternating least squares (MCR-ALS)

for resolving pyrogallol autoxidation in weakly alkaline aqueous solutions. Cent Eur J Chem 2012;10(6):1942-1948.
8. G.M. Nikolić, A.M. Veselinović, R.S. Nikolić, S.S. Mitić. Spectroscopic Study of Mg(II) Ion influence on the Autoxidation of Gallic Acid in Weakly Alkaline Aqueous Solutions. Russ J Phys Chem A 2011;85 (13):2270-2273.
9. A.M. Veselinović, A.Lj. Bojić, M.M. Purenović, G.M. Nikolić, T.D. Anđelković, S.D. Dačić, D.V. Bojić, Ispitivanje uticaja parametara UV/H2O2 procesa na degradaciju huminskih kiselina. Hem Ind 2010;64(4):265-273.

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

A.M. Veselinović je saopštio 13 radova na međunarodnim ili domaćim naučnim skupovima.

M33 – saopštenja sa međunarodnog skupa štampana u celini
1. G.M. Nikolić, A.M. Veselinović, M.M. Vujović, B.S. Milosavljević, Ž.J. Mitić. (2014) Electrospray ionization mass spectrometric study of pyrogallol autoxidation in weakly alkaline aqueous solutions. Proceedings of the 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, p. 168-171.
2. Ž. Mitić, M. Cakić, G. Nikolić, I. Savić, G. Nikolić, A. Veselinović, L. Ilić. (2014) ATR-FTIR microspectroscopic characterization of cobalt(II) reduced dextran complexes. Proceedings of the 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, p. 1037-1040.
3. G.M. Nikolić, A.M. Veselinović, Ž.J. Mitić, F.S. Miljković. (2012) Application of multivariate curve resolution-alternating least squares (MCR-ALS) method for the study of Cu(II) ion influence on pyrogallol autoxidation in aqueous solution. Proceedings of the 11th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, p. 188-191.
4. Ž. Mitić, M. Cakić, G.M. Nikolić, A. Veselinović, Lj. Ilić. (2012) Cobalt(II)-reduced dextran complexes characterization by electronic spectroscopy. Proceedings of the 10th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, p. 695-698.
5. G.M. Nikolić, J.V. Živković, A.M. Veselinović, D. Atanasković, D. Vlajin. (2011) Salting-Out Effects in the Ether Extraction of Paracetamol. Macedonian Pharmaceutical Bulliten, 57 (suppl), p. 41-42.
6. G.M. Nikolić, A. M. Veselinović, R. S. Nikolić, Ž. J. Mitić, and J. V. Živković. (2010) Spectrophotometric Study of Gallic Acid Autoxidation in Alkaline Aqueous Solutions. Proceedings of the 10th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, p. 188-191.
7. G.M. Nikolić, Ž. Mitić, M. Cakić, R. Nikolić, Lj. Ilić, R. Pavlović, A. Veselinović (2010) Characterization of Cu(II) complexes with reduced dextran derivates by the computer simulation of EPR spectra. Proceedings of the 10th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, p. 644-647.

M34 – saopštenja sa međunarodnog skupa štampana u izvodu
1. A. Veselinovic, J. Milosavljevic, A. Toropov. (2012) CORAL: quantitative structure-activity relationship models for estimating reactivation of sarin inhibited acetlycholinesterase by oximes. 19th EuroQSAR Knowledge Enabled Ligand Design, Vienna, Austria, p. 102.
2. A.M. Veselinović, J.V. Živković, Ž.J. Mitić, R.S. Nikolić, G.M. Nikolić. (2012) Spectrophotometric study of ethyl gallate autoxidation in alkaline aqueus solutions with the application of multivariate curve resolution - alternating least square method. 19th Balkan Medical Week. Nis, Serbia, 078.
3. J. Živković, A.M. Veselinović, G.M. Nikolić, I. Mujić. (2012) Castenea sativa mill. leaf extract as a potential source of antioxidant and antimicrobial agents. 19th Balkan Medical Week. Nis, Serbia, P74.
4. G.M. Nikolić, A.M. Veselinović, J.V. Živković, R.S. Nikolić. (2010) Relation Between Solubility and Partitioning of Paracetamol for Various Organic Solvents. 14th International Symposium on Solubility Phenomena, Leoben, Austria, p. 88
5. A. Veselinović, A. Bojić, M. Purenović, D. Bojić, T. Anđelković. (2009) Fotodegradacija huminskih kiselina u prisustvu vodonik-peroksida. 8th Symposium "Novel Technologies and Economical Development", Leskovac, Serbia, 23-24 October, Book of Apstracts, 110.
6. A. Bojić, M. Purenović, J. Perović, T. Anđelković, D. Bojić, A. Veselinović, M. Vodeničarski. (2005) Photocatalytic degradation of humic acids in water by UV light. The Sixth European Meeting on Environmental Chemistry, Belgrade, Serbia and Montenegro, 6-10 December, Book of Abstracts, 209.

U Nišu
25.11.2015.