



Научно стручно веће за природно математичке науке

**Предмет:** Образац о испуњавању услова за избор у звање наставника

Име и презиме

**Milena Milutinović**

Datum рођења

**30 / 10 / 1985**

Naziv i sedište ustanove/organizacije u kojoj je kandidat zaposlen

**Природно-математички факултет, Универзитет у Крагујевцу**

Radno mesto

**Kragujevac**

Datum prvog izbora u sadašnje zvanje

**30.9.2015**

Datum raspisivanja konkursa

**06.12.2017**

Način (mesto) objavljivanja

**<https://www.ni.ac.rs/images/novosti-i-dogadjaji/Poljoprivredni-fakultet-Konkurs-za-izbor-nastavnika.pdf>**

Zvanje za koje je raspisan konkurs

**Docent**

Uža naučna oblast

**Biologija**

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

**Molekularni mehanizmi apoptoze u ćelijama karcinoma kolona nakon in vitro tretmana ekstraktima lekovitih biljaka.**

**Naučna oblast: Biologija**

**25.11.2014. godine, Prirodno-matematički fakultet, Univerzitet u Kragujevcu**

4. U poslednjih pet godina jedan rad objavljen u časopisu koji izdaje Univerzitet u Nišu ili fakultet Univerziteta u Nišu ili sa SCI liste, u kojem je prvotpisani autor rada

**Milutinović M, Stanković M, Cvetković D, Maksimović V, Šmit B, Pavlović R, Marković S. The molecular mechanisms of apoptosis induced by Allium flavum L. and synergistic effects with new-synthesized Pd(II) complex on colon cancer cells. Journal of Food Biochemistry, 2015; 9: 238-250.**

**ISSN: 0145-8884. IF2016: 1.00.**

**DOI: 10.1111/jfbc.12123.**

5. U poslednjih pet godina ostvarenih 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

kandidat mora biti prvopotpisani autor rada

Међународни часописи изузетне вредности - M21a

Alimpić A, Pljevljakušić D, Šavikin K, Knežević A, Ćurčić M, Veličković D, Stević T, Petrović G, Matevski V, Vukojević J, Marković S, Marin P, Duletić-Laušević S. Composition and biological effects of *Salvia ringens* (Lamiaceae) essential oil and extracts. *Industrial Crops and Products*, 2015; 76: 702-709.  
ISSN: 0926-6690. IF2015: 3.449.  
DOI: 10.1016/j.indcrop.2015.07.053

Alimpić A, Knežević A, Milutinović M, Stević T, Šavikin K, Stajić M, Marković S, Marin P, Matevski V, Duletić-Laušević S. Biological activities and chemical composition of *Salvia amplexicaulis* Lam. extracts. *Industrial Crops and Products*, 2017; 105: 1-9.  
DOI: 10.1016/j.indcrop.2017.04.051. IF2015: 3.449.  
ISSN: 0926-6690

Врхунски међународни часописи - M21

Stanković M, Ćurčić M, Žižić J, Topuzović M, Solujić S, Marković S. Teucrium plant species as natural sources of novel anticancer compounds: antiproliferative, proapoptotic and antioxidant properties. *International Journal of Molecular Science*, 2011; 12: 4190-4205.  
ISSN: 1422-0067. IF2011:2.598.  
DOI: 10.3390/ijms12074190

Mitrović T, Stamenković S, Cvetković V, Tošić S, Stanković M, Radojević I, Stefanović O, Čomić Lj, Đačić D, Ćurčić M, Marković M. Antioxidant, antimicrobial and antiproliferative activities of five lichen species. *International Journal of Molecular Sciences*, 2011; 12(8): 5428-5448.  
ISSN: 1422-0067. IF2011:2.598.  
DOI: 10.3390/ijms110x000x

Ćurčić M, Stanković M, Mrkalić E, Matović Z, Banković D, Cvetković D, Đačić D, Marković S. Antiproliferative and proapoptotic activities of methanolic extracts from *Ligustrum vulgare* L. as an individual treatment and in combination with palladium complex. *International Journal of Molecular Sciences*, 2012; 13: 2521-2534.  
ISSN: 1422-0067. IF2011:2.598.  
DOI:10.3390/ijms13022521

Cvetković D, Živanović M, Milutinović M, Djukić T, Radović M, Cvetković A, Filipović, Zdravković N. Real-time monitoring of cytotoxic effects of electroporation on breast and colon cancer cell lines. *Bioelectrochemistry*, 2017; 113: 85-94.  
DOI: 10.1016/j.bioelechem.2016.10.005. IF2016: 3.346.  
ISSN: 1567-5394

Истакнути међународни часописи - M22

Ćurčić M, Stanković M, Radojević I, Stefanović O, Čomić Lj, Topuzović M, Đačić D, Marković S. Biological effects, total phenolic content and flavonoid concentrations of fragrant yellow onion (*Allium flavum* L.). *Medicinal Chemistry*, 2012; 8(1): 46-51.  
ISSN: 1573-4064. IF2010: 1.603.  
DOI: 10.2174/157340612799278441

Filipović N, Djukić T, Radović M, Cvetković D, Ćurčić M, Marković S, Peulić A, Jeremić B. Electromagnetic field investigation on different cancer cell lines. *Cancer Cell International*, 2014; 14.  
ISSN: 1475-2867. IF2014: 2.766.  
DOI: 10.1186/s12935-014-0084-x

Milutinović M, Stanković M, Cvetković D, Maksimović V, Šmit B, Pavlović R, Marković S. The molecular mechanisms of apoptosis induced by *Allium flavum* L. and synergistic effects with new-synthesized Pd(II) complex on colon cancer cells. *Journal of Food Biochemistry*, 2015; 9: 238-250.  
ISSN: 0145-8884. IF2016: 1.00.  
DOI: 10.1111/jfbc.12123.

Alimpić A, Knežević A, Šavikin K, Ćurčić M, Veličković D, Stević T, Matevski V, Stajić M, Marković S, Marin PD, Duletić-Laušević S.

Composition and biological activities of different extracts of *Salvia jurisicii*, a rare and endemic Macedonian species. *Plant Biosystems*, 2017; 151(6): 1002-1011.

ISSN: 1126-3504, IF2016: 1.390

DOI: 10.1080/11263504.2016.1219414

#### Међународни часописи - M23

Marković SD, Žižić JB, Đačić 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 vitro treatment with cisplatin and selenium. *Archives of Biological Science*, 2011; 63(4): 991-999.

ISSN: 0354-4664. IF2011: 0.360.

DOI:10.2298/ABS1104991M

Stanković M, Radojević I, Ćurčić M, Vasić S, Topuzović M, Čomić Lj, Marković S. Evaluation of biological activities of goldmoss stonecrop (*Sedum acre* L.). *Turkish Journal of Biology*, 2012; 36: 580-588.

ISSN: 1300-0152. IF2012: 0.0914.

DOI:10.3906/biy-1109-9

Šmit B, Pavlović R, Radosavljević-Mihajlović A, Došen A, Ćurčić M, Šeklić D, Živanović M. Synthesis, characterization and cytotoxicity of palladium(II) complex of 3-[(2-hydroxy-benzylidene)-amino]-2-thioxo-imidazolidin-4-one. *Journal of Serbian Chemical Society*, 2013; 78(2): 217-227.

ISSN: 0352-5139. IF2012: 0.912.

DOI: 10.2298/JSC120725154S

Košarić J, Cvetković D, Živanović M, Ćurčić M, Šeklić D, Bugarčić Z, Marković S. Antioxidative and antiproliferative evaluation of 2-(phenylselenomethyl) tetrahydrofuran and 2-(phenylselenomethyl) tetrahydropyran. *Journal of BUON/Journal of the Balkan Oncology*, 2014; 19(1): 283-290.

ISSN: 1107-0625. IF2012: 0.761.

Stojković D, Jevtić V, Radić G, Đačić D, Ćurčić M, Marković S, Đinović V, Petrović V, Trifunović S. Stereospecific ligands and their complexes. Part XII. Synthesis, characterization and in vitro antiproliferative activity of platinum(IV) complexes with some O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-2-propanoic acid against colon cancer (HCT-116) and breast cancer (MDA-MB-231) cell lines. *Journal of Molecular Structure*, 2014; 1062: 21-28.

ISSN: 0022-2860. IF2013: 1.599.

DOI: 10.1016/j.molstruc.2014.01.020

Marković S, Đorđević N, Ćurčić M, Štajn A, Spasić M. Biotransformation and nitroglycerin-induced effects on antioxidative defense system in rat erythrocytes and reticulocytes. *General Physiology and Biophysics*, 2014; 33(4): 393-401.

ISSN: 0231-5882. IF2013: 0.875.

DOI: 10.4149/gpb\_2014018

Ćurčić M, Stanković M, Cvetković D, Topuzović M, Marković S. *Ligustrum vulgare* L.: In vitro free radical scavenging activity and pro-oxidant properties in human colon cancer cell lines. *Digest Journal of Nanomaterials and Biostructures*, 2014; 9(4): 1689-1697.

ISSN: 1842-3582. IF2013: 1.123.

Milutinović MG, Stanković MS, Cvetković DM, Šeklić DS, Topuzović MD, Mihailović VB, Marković SD. Antioxidant, antiproliferative and proapoptotic activities of leaves and seed cones from European Yew (*Taxus baccata* L.). *Archive of Biological Science*, 2015; 67(2): 525-534.

ISSN: 0354-4664. IF2013: 0.607.

DOI:10.2298/ABS141006015M

Šeklić D, Stanković M, Milutinović M, Topuzović M, Štajn A, Marković S. Cytotoxic, Antimigratory, Pro- and antioxidative activities of extracts from medicinal mushrooms on colon cancer cell lines. *Archive of Biological Science*, 2016; 68(1): 93-105.

ISSN: 0354-4664. IF2013: 0.607.

DOI:10.2298/ABS150427131S



5 zamena: 6 poena ostvarenih objavljivanjem naučnih radova u časopisima kategorija M24 i M51, u skladu sa načinom bodovanja Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije

Grbović F, Stanković SM, Ćurčić M, Đorđević N, Šeklić D, Topuzović M, Marković S. In vitro cytotoxic activity of *Origanum vulgare* L. on HCT-116 and MDA-MB-231 cell lines. *Plants*, 2013, 2: 371-378.

ISSN: 2223-7747.

DOI:10.3390/plants2030371

Cvjetković V, Đokić M, Arsić B, Ćurčić M. The ontology supported intelligent system for experiment search in the scientific research center. *Kragujevac Journal of Science*, 2014, 36: 95-110.

ISSN: 1450-9636

Nikodijević D, Milutinović M, Cvetković D, Stanković M, Živanović M, Marković S. Effects of *Teucrium polium* L. and *Teucrium montanum* L. extracts on mechanisms of apoptosis in breast and colon cancer cells. *Kragujevac Journal of Science*, 2016; 38: 147-159.

ISSN: 1450-9636

Živanović M, Stojanović A, Cvetković D, Milutinović M, Stanković M, Marković S. Effects of *Teucrium* spp. extracts on migratory potential and redox status of human colon SW-480 and breast MDA-MB-231 cancer cells. *Kragujevac Journal of Science*, 2016; 38: 161-172.

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6. Jedan rad saopšten na međunarodnom ili domaćem naučnom skupu.

Саопштења на научним конференцијама међународног значаја (M30)

Саопштења штампана у целини (M31)

Ćurčić M, Stanković M, Cvetković D, Maksimović V, Šmit B, Pavlović R, Marković S. The molecular mechanism of apoptosis, redox status and synergistic effects of *Allium flavum* L. extracts and new-synthesized Pd(II) complex on colon cancer cells. Fourth Conference Serbian Biochemical Society "Biochemistry - molecular life science", Belgrade, 2014.

ISBN: 978-86-7220-046-1

Саопштења штампана у изводима (M34)

Stanković M, Ćurčić M, Đačić D, Topuzović M, Marković SD. Phenolic content in vitro antiproliferative and apoptotic activity of *Teucrium* species from Serbian flora on HCT-116 cell line. Scientific Conference with International Participation "Preclinical Testing of Active Substances and Cancer Research", Kragujevac, 2011, p21.

ISBN: 978-86-7760-064-8

Stanković M, Ćurčić M, Đačić D, Žižić J, Topuzović M, Marković S. Free-radical scavenging capacity and total phenolic content of Fragrant yellow onion (*Allium flavum* L.). Scientific Conference with International Participation "Preclinical Testing of Active Substances and Cancer Research", Kragujevac, 2011, p62.

ISBN: 978-86-7760-064-8

Ćurčić M, Stanković M, Đačić D, Topuzović M, Marković S. Antioxidant, antiproliferative and apoptotic activity of different extracts of leaves and seed cones from european yew (*Taxus baccata* L.). Scientific Conference with International Participation "Preclinical Testing of Active Substances and Cancer Research", Kragujevac, 2011, p63.

ISBN: 978-86-7760-064-8

Đačić D, Cvetković V, Stanković M, Ćurčić M, Mitrović T, Stamenković S, Marković S. In vitro antiproliferative activity of five lichens species on HCT-116 human colon cell line. Scientific Conference with International Participation "Preclinical Testing of Active Substances and Cancer Research", Kragujevac, 2011, p64.

ISBN: 978-86-7760-064-8

Đačić D, Kosanić M, Ćurčić M, Ranković B, Marković S. Cytotoxic activities of *Umbilicaria crustulosa*, *Parmeliopsis ambigua*, *Umbilicaria polyphylla*, *Lecanora muralis* and *Parmelia saxatilis* methanol extracts on human colon cancer cell line. Scientific Conference with International Participation "Preclinical Testing of Active Substances and Cancer Research", Kragujevac, 2011, p65.

ISBN: 978-86-7760-064-8

Žižić J, Ćurčić M, Đačić D, Obradović A, Stanković M, Mitrović T, Kosanić M, Ranković B, Marković S. Evaluation of redox status of

HCT-116 cell line treated with various lichen and plant extracts. Scientific Conference with International Participation "Preclinical Testing of Active Substances and Cancer Research", Kragujevac, 2011, p66.

ISBN: 978-86-7760-064-8

Žižić J, Čurčić M, Obradović A, Mrkalić E, Matović Z, Čendić M, Djurdjević P, Živić D, Marković S. Evaluation of antiproliferative activity of new palladium complex and mechanism of cell death on HCT-116 and MDA-MB-231 cell lines. Scientific Conference with International Participation "Preclinical Testing of Active Substances and Cancer Research", Kragujevac, 2011, p13.

ISBN: 978-86-7760-064-8

Živanović M, Cvetković D, Košarić J, Čurčić M, Šeklić D, Bugarčić Z, Marković S. Antioxidative effects of novel selenium compounds. FEBS JOURNAL, 2012, 279: 197-197.

ISBN: 1742-4658

Čurčić M, Stanković M, Šeklić D, Živanović M, Cvetković D, Marković S. Total phenolic content and in vitro antioxidant/prooxidant properties of leaves and fruits from *Ligustrum vulgare* L. FEBS JOURNAL, 2012, 279: 216-216.

ISBN: 1742-4658

Milutinović M, Stanković M, Cvetković D, Nikodijević D, Marković S. Effects of different plants used in traditional medicine for digestive disorders on metabolic enzymes in colon cancer cell lines. REDOX MEDICINE - Reactive species signaling, Analytical methods, Phytopharmacy and Molecular mechanisms of disease, 25-26. Septembar 2015.

ISBN: 978-86-912893-3-1

Nikodijević D, Milutinović M, Cvetković D, Stanković M, Marković S. Effects of different *Teucrium* species on mechanism of apoptosis in colon and breast cancer cell lines. REDOX MEDICINE - Reactive species signaling, Analytical methods, Phytopharmacy and Molecular mechanisms of disease, 25-26. Septembar 2015. ISBN: 978-86-912893-3-1

Cvetković DM, Živanović MN, Milutinović MG, Đukić T, Radović M, Cvetković A, Gadžanski I, Filipović N, Marković S. Real-time monitoring of cytotoxic effects of electroporation on breast and colon cancer cell lines. Second Congress of the Serbian Association for Cancer Research "Cancer research: perspectives and application", Belgrade, 2015. pp. 24.

ISBN: 978-86-919183-0-9.

Jovankić J, Cvetković D, Milutinović M, Nikodijević D, Živanović M, Grbović F, Marković M. Molecular mechanisms of redox status and antitumor activity of extracts of invasive plant species (*Robinia pseudoacacia* and *Amorpha fruticosa*) in MRC-5 and MDA-MB-231 cell lines. Serbian Biochemical Society Sixth Conference "Biochemistry and Interdisciplinarity: Transcending the Limits of field". November 18, 2016, Belgrade; 123-125.

ISBN: 978-86-7220-081-2.

Obradović A, Zuher A, Jovanović M, Milutinović M, Vasić S, Marković S. Cytotoxic activity and antioxidative effects of Oligo-Grapes product and ethanolic extracts of pomace and red wine on HCT-116 and SW-480 cell lines. Serbian Biochemical Society Sixth Conference "Biochemistry and Interdisciplinarity: Transcending the Limits of field". November 18, 2016, Belgrade; 143-144.

ISBN: 978-86-7220-081-2.

Blagojević S, Furtula B, Nikezić A, Milutinović M, Živanović M, Marković S. Statistical clustering of IC50 values as indicators of cytotoxicity of bioactive substances on HCT-116 and SW-480 cell line on colon cancer. 7th Conference of Serbian Biochemical Society "Biochemistry of Control in Life and Technology", Belgrade, pp. 129. November 10. 2017.

ISBN: 978-86-7220-091-1 (FOC)

Nikodijević D, Jovanović M, Milutinović M, Cvetković D, Čupurdija M, Jovankić J, Marković S. Effects of the bee products on energy status and relative expression of biotransformation and apoptosis genes in healthy and colon cancer cells. 7th Conference of Serbian Biochemical Society "Biochemistry of Control in Life and Technology", Belgrade, pp. 173. November 10. 2017.

ISBN: 978-86-7220-091-1 (FOC)

Cvetković MD, Cvetković MA, Milošević ZM, Ninković MS, Milutinović GM, Nikodijević DD and Jovankić VJ and Marković DS. The role of molecular mechanisms of neoangiogenesis as tumor markers in the treatment individualization of breast cancer patients. 3rd Congress of the Serbian Association for Cancer Research with international participation "Challenges in anticancer research: translation of knowledge to improve diagnosis and treatment". Belgrade, 6-7th October 2017. page 49-50.



Saopšteња na naučnim konferencijama nacionalnog značaja (M60)

Saopšteња štampana u целини (M63)

Ćurčić M, Stanković M, Đačić D, Topuzović M, Marković S. Antiproliferativna aktivnost metanolnog ekstrakta biljke *Teucrium scordium* L. na HCT-116 ćelijskoj liniji. XI savetovanje o biotehnologiji sa međunarodnim učešćem, 2011. Zbornik radova, 497-501. ISBN: 978-86-87611-15-3

Saopšteња štampana u целини (M64)

Đačić D, Ćurčić M, Žižić J, Obradović A, Đorđević N, Marković S. Cell biology techniques applied in pre-clinical testing of active substances on cell culture. The second workshop pre-clinical testing of Active Substances on cancer and various model systems, Kragujevac, October 2009., Supplementary material P.45.

Ćurčić M, Stanković M, Mrkalić E, Matović Z, Đačić D, Cvetković D, Živanović M, Marković S. Ispitivanje antiproliferativne aktivnosti metanolnih ekstrakata biljke *Ligustrum vulgare* L. na HCT-116 ćelijskoj liniji u zavisnosti od vremena izlaganja i u kotretmanu sa kompleksom paladijuma. Kongres "Mitohondrije i slobodni radikali", Beograd, 2011, knjiga sažetaka, strana 72. ISBN: 978-86-912893-1-7

Cvetković D, Ćurčić M, Đačić D, Stanković M, Marković S. Ispitivanje antiproliferativnih i antioksidacionih svojstava metanolnih ekstrakata dobijenih iz listova i plodova biljke *Ligustrum vulgare* L. na HCT-116 ćelijskoj liniji. Kongres "Mitohondrije i slobodni radikali", Beograd, 2011, knjiga sažetaka, strana 48. ISBN: 978-86-912893-1-7

Đačić D, Stanković M, Glodović V, Radić G, Trifunović S, Ćurčić M, Cvetković D, Živanović M, Marković S. Sinergistička antiproliferativna aktivnost gjive *Phellinus luteus* i kompleksa platine(IV) [Pt(dp-(S,S)-eddp)] na ćelijsku liniju humanog kolona kancera (HCT-116). Kongres "Mitohondrije i slobodni radikali", Beograd, 2011, knjiga sažetaka, strana 37. ISBN: 978-86-912893-1-7

Ćurčić M, Stanković M, Cvetković D, Živanović M, Marković S. Prooksidacioni efekat i citotoksičnost ekstrakata biljke *Ligustrum vulgare* L. na ćelije karcinoma kolona. Kongres "Život sa slobodnim radikalima", Niš, 2013. godine, knjiga sažetaka, strana 71. ISBN: 978-86-912893-2-4

Ćurčić M, Stanković M, Cvetković D, Šeklić D, Marković S. Efekti ekstrakata biljke *Teucrium chamaedrys* L. na apoptotski signalni put i redoks status ćelija karcinoma kolona. Kongres "Život sa slobodnim radikalima", Niš, 2013., knjiga sažetaka, strana 64. ISBN: 978-86-912893-2-4

Šeklić D, Mitrović T, Stamenković S, Cvetković V, Radenković J, Ćurčić M, Živanović M, Cvetković D, Marković S. Citotoksični i prooksidacioni efekti ekstrakata lišajeva (*Pseudoevernia furfuracea* i *Platismatiaglauca*) na ćelijskim linijama humanog kolona kancera (HCT-116 i SW-480). Kongres "Život sa slobodnim radikalima", Niš, 2013., knjiga sažetaka, strana 53. ISBN: 978-86-912893-2-4

Šeklić D, Stanković M, Topuzović M, Ćurčić M, Živanović M, Cvetković D, Marković S. Prooksidativni i antimigratorni efekti ekstrakata medicinski značajnih gljiva u tretmanu ćelijskih linija humanog kolona kancera. Kongres "Život sa slobodnim radikalima", Niš, 2013., knjiga sažetaka, strana 54. ISBN: 978-86-912893-2-4

Živanović M, Košarić J, Šeklić D, Cvetković D, Ćurčić M, Sukdolac S, Marković S. Citotoksični i antioksidativni-prooksidativni efekti derivata kumarina na ćelijskoj liniji humanog kolona kancera HCT-116. Kongres "Život sa slobodnim radikalima", Niš, 2013., knjiga sažetaka, strana 68. ISBN: 978-86-912893-2-4

Baskić D, Popović S, Stanković M, Todorović D, Ćurčić M, Petrović M. Antiproliferativni efekat ekstrakatabiljaka *Ligustrum vulgare*, *Teucrium pollium* i gljive *Phellinus linteus* na rast A549 ćelija karcinoma pluća ukulturi. Oktobarski zdravstveni dani, Kragujevac, 2013, strana 36-37. ISBN: 0350-1221.

Potpis kandidata: Milena Mijović

**Napomena:** Kandidat je dužan da popunjen, odštampan i potpisan obrazac o ispunjavanju uslova za izbor u zvanje nastavnika dostavi fakultetu koji je objavio konkurs zajedno sa ostalom dokumentacijom kojom dokazuje da ispunjava uslove