

ОСНОВНИ ПОДАЦИ

Име и презиме	Јелена С. Катанић Станковић
Година и место рођења	1988., Чачак
Звање	Научни сарадник
Е-mail	jkatanic@kg.ac.rs ; jelena.katanic.stankovic@uni.kg.ac.rs
Образовно-научно / образовно-уметничко поље	Природно-математичке науке
Универзитет, факултет, организациона јединица	Универзитет у Крагујевцу, Институт за информационе технологије Крагујевац, Сектор за природно-математичке науке
Област и ужа научна област	Хемија - биохемија

ОБРАЗОВАЊЕ

ОСНОВНЕ СТУДИЈЕ

Година	2007-2011.
Место	Крагујевац
Институција	Универзитет у Крагујевцу, Природно-математички факултет, Институт за хемију

МАСТЕР СТУДИЈЕ ИЛИ МАГИСТАРСКЕ

Година	2011-2012.
Место	Крагујевац
Институција	Универзитет у Крагујевцу, Природно-математички факултет, Институт за хемију

ДОКТОРСКА ДИСЕРТАЦИЈА

Година	2017.
Место	Крагујевац
Институција	Универзитет у Крагујевцу, Природно-математички факултет, Институт за хемију
Наслов докторске дисертације	Фитохемијска и фармаколошка карактеризација одабраних биљних врста рода <i>Filipendula</i> Mill. (Rosaceae)
Научно звање	Доктор наука – хемијске науке
Област	Хемија (биохемија)

СТРУЧНА БИОГРАФИЈА – ИЗБОРИ У ИСТРАЖИВАЧКА ОДНОСНО НАУЧНА ЗВАЊА

Датум избора	Институција	Звање
26.12.2012.	Универзитет у Крагујевцу, Природно-математички факултет, Институт за хемију	Истраживач приправник
06.11.2013.	Универзитет у Крагујевцу, Природно-математички факултет, Институт за хемију	Истраживач сарадник
29.06.2016.	Универзитет у Крагујевцу, Природно-математички факултет, Институт за хемију	Истраживач сарадник - реизбор
31.10.2018.	Универзитет у Крагујевцу, Природно-математички факултет, Институт за хемију	Научни сарадник

СТРУЧНА БИОГРАФИЈА - УСАВРШАВАЊЕ

Година	Институција	Трајање
2015.	Institute of Pharmaceutical Sciences, Department of	3 месеца

	Pharmacognosy, University of Graz, Graz, Austria, супервизор: Univ.-Prof. Dr. Rudolf Bauer	
2016.	Institute of Pharmaceutical Sciences, Department of Pharmacognosy, University of Graz, Graz, Austria, супервизор: Univ.-Prof. Dr. Rudolf Bauer	1 месец
2019.	Faculty of Sciences, Friedrich-Alexander-Universität (FAU), Erlangen-Nürnberg, Germany, супервизори: Prof. Dr. Monika Pischetsrieder и Prof. Dr. Wolfgang Kreis - ERASMUS+ staff training mobility	7 дана

НАУЧНО-ИСТРАЖИВАЧКИ РАД

Списак резултата M11 Истакнута монографија међународног значаја	Број /
Списак резултата M12 Монографија међународног значаја	Број /
Списак резултата M13 Монографска студија/поглавље у књизи M11 или рад у тематском зборнику водећег међународног значаја	Број /
Списак резултата M14 Монографска студија/поглавље у књизи M12 или рад у тематском зборнику међународног значаја	Број /
Списак резултата M21a Рад у међународном часопису изузетних вредности	Број 17
1. Vladimir Mihailović, Mirjana Mihailović, Aleksandra Uskoković, Jelena Arambašić, Danijela Mišić, Vesna Stanković, Jelena Katanić , Milan Mladenović, Slavica Solujić, Sanja Matić, Hepatoprotective effects of <i>Gentiana asclepiadea</i> L. extracts against carbon tetrachloride induced liver injury in rats, <i>Food and Chemical</i>	

Toxicology 52 (2013), 83–90; DOI: 10.1016/j.fct.2012.10.034
IF₂₀₁₂ = 3.010; **M21a** (Food Science & Technology 7/96); ISSN:
0278-6915

2. Milan Mladenović, Sanja Matić, Snežana Stanić, Slavica Solujić, Vladimir Mihailović, Nevena Stanković, **Jelena Katanić**, Combining molecular docking and 3-D pharmacophore generation to enclose the *in vivo* antigenotoxic activity of naturally occurring aromatic compounds: myricetin, quercetin, rutin, and rosmarinic acid, *Biochemical Pharmacology* 86 (2013), 1376–1396; DOI: 10.1016/j.bcp.2013.08.018

IF₂₀₁₃ = 4.650; **M21a** (Pharmacology & Pharmacy 25/256); ISSN: 0006-2952

3. Vladimir Mihailović, Danijela Mišić, Sanja Matić, Mirjana Mihailović, Snežana Stanić, Miroslav M. Vrvic, **Jelena Katanić**, Milan Mladenović, Nevena Stanković, Tatjana Boroja, Milan S. Stanković, Comparative phytochemical analysis of *Gentiana cruciata* L. roots and aerial parts, and their biological activities, *Industrial Crops and Products* 73 (2015), 49–62; DOI: 10.1016/j.indcrop.2015.04.013

IF₂₀₁₅ = 3.449; **M21a** (Agronomy 6/83); ISSN: 0926-6690

4. **Jelena Katanić**, Vladimir Mihailović, Sanja Matić, Vesna Stanković, Nevena Stanković, Tatjana Boroja, Milan Mladenović, Snežana Stanić, Samo Kreft, Mirjana Mihailović, The ameliorating effect of *Filipendula hexapetala* extracts on hepatorenal toxicity of cisplatin, *Journal of Functional Foods* 18 (2015), 198–212; DOI: 10.1016/j.jff.2015.07.004, corr. 28, 2017, 326–327. DOI: 10.1016/j.jff.2016.11.017

IF₂₀₁₅ = 3.973; **M21a** (Food Science & Technology 8/125); ISSN: 1756-4646

5. Sanja Matić, **Jelena Katanić**, Snežana Stanić, Milan Mladenović, Nevena Stanković, Vladimir Mihailović, Tatjana Boroja, *In vivo* and *in vitro* assessment of the genotoxicity and antigenotoxicity of the *Filipendula hexapetala* and *Filipendula ulmaria* methanol extracts, *Journal of Ethnopharmacology* 174 (2015), 287–292; DOI: 10.1016/j.jep.2015.08.025, corr. 200, 2017, 236. DOI: 10.1016/j.jep.2017.02.030

IF₂₀₁₅ = 3.055; **M21a** (Integrative & Complementary Medicine 2/24); ISSN: 0378-8741

6. Milan Mladenović, Nevena Stanković, Sanja Matić, Snežana Stanić, Mirjana Mihailović, Vladimir Mihailović, **Jelena Katanić**, Tatjana Boroja, Nenad Vuković, Newly discovered chroman-2,4-diones neutralize the *in vivo* DNA damage induced by alkylation through the inhibition of Topoisomerase II α : A story behind the molecular modeling approach, *Biochemical Pharmacology* 98 (2015), 243–266; DOI: 10.1016/j.bcp.2015.08.106

IF₂₀₁₅ = 5.091; **M21a** (Pharmacology & Pharmacy 18/255); ISSN: 0006-2952

7. Ramazan Ceylan, **Jelena Katanić**, Gokhan Zengin, Sanja Matić, Abdurrahman Aktumsek, Tatjana Boroja, Snežana Stanić, Vladimir Mihailović, Gokalp Ozmen Guler, Mehmet Boga, Mustafa Abdullah Yılmaz, Chemical and biological fingerprints of two Fabaceae species (*Cytisopsis dorycniifolia* and *Ebenus hirsuta*): Are they novel sources of natural agents for pharmaceutical and food formulations?, *Industrial Crops and Products* 84 (2016), 254–262; DOI: 10.1016/j.indcrop.2016.02.019

IF₂₀₁₅ = 3.449; **M21a** (Agronomy 6/83); ISSN: 0926-6690

8. **Jelena Katanić**, Tatjana Boroja, Vladimir Mihailović, Stefanie Nikles, San-Po Pan, Gvozden Rosić, Dragica Selaković, Jovana Joksimović, Slobodanka Mitrović, Rudolf Bauer, *In vitro* and *in vivo* assessment of meadowsweet (*Filipendula ulmaria*) as anti-inflammatory agent, *Journal of Ethnopharmacology* 193 (2016), 627–636; DOI: 10.1016/j.jep.2016.10.015, corr. 198 (2017), 608–609. DOI: 10.1016/j.jep.2017.02.012

IF₂₀₁₅ = 3.055; **M21a** (Integrative & Complementary Medicine 2/24); ISSN: 0378-8741

9. **Jelena Katanić**, Sanja Matić, Eva-Maria Pferschy-Wenzig, Nadine Kretschmer, Tatjana Boroja, Vladimir Mihailović, Vesna Stanković, Nevena Stanković, Milan Mladenović, Snežana Stanić, Mirjana Mihailović, Rudolf Bauer, *Filipendula ulmaria* extracts attenuate cisplatin-induced liver and kidney oxidative stress in rats: *in vivo* investigation and LC-MS analysis, *Food and Chemical Toxicology* 99 (2017), 86–102; DOI: 10.1016/j.fct.2016.11.018

IF₂₀₁₆ = 3.778; **M21a** (Food Science & Technology 8/129); ISSN: 0278-6915

10. Gokhan Zengin, Ramazan Ceylan, **Jelena Katanić**, Adriano Mollica, Abdurrahman Aktumsek, Tatjana Boroja, Sanja Matić, Vladimir Mihailović, Snežana Stanić, Zaahira Aumeeruddy-Elalfi, Mustafa Abdullah Yılmaz, Mohamad Fawzi Mahomoodally, Combining *in vitro*, *in vivo* and *in silico* approaches to evaluate nutraceutical potentials and chemical fingerprints of *Moltingia aurea* and *Moltingia coerulea*, *Food and Chemical Toxicology* 107 (2017), 540–553; DOI: 10.1016/j.fct.2017.04.004

IF₂₀₁₆ = 3.778; **M21a** (Food Science & Technology 8/129); ISSN: 0278-6915

11. **Jelena Katanić**, Eva-Maria Pferschy-Wenzig, Vladimir Mihailović, Tatjana Boroja, San-Po Pan, Stefanie Nikles, Nadine Kretschmer, Gvozden Rosić, Dragica Selaković, Jovana Joksimović, Rudolf Bauer, Phytochemical analysis and anti-inflammatory effects of *Filipendula vulgaris* Moench extracts, *Food and Chemical Toxicology* 122 (2018), 151–162; DOI: 10.1016/j.fct.2018.10.001

IF₂₀₁₇ = 3.977; **M21a** (Food Science & Technology10/133); ISSN: 0278-6915

12. Tatjana Boroja, **Jelena Katanić**, Gvozden Rosić, Dragica Selaković, Jovana Joksimović, Danijela Mišić, Vesna Stanković, Nemanja Jovičić, Vladimir Mihailović, Summer savory (*Satureja hortensis* L.) extract: Phytochemical profile and modulation of cisplatin-induced liver, renal and testicular toxicity, *Food and Chemical Toxicology* 118 (2018), 252–263; DOI: 10.1016/j.fct.2018.05.001

IF₂₀₁₇ = 3.977; **M21a** (Food Science & Technology10/133); ISSN: 0278-6915

13. Gokhan Zengin, Ramazan Ceylan, **Jelena Katanić**, Abdurrahman Aktumsek, Sanja Matić, Tatjana Boroja, Snežana Stanić, Vladimir Mihailović, Roumita Seebaluck-Sandoram, Adriano Mollica, Mohamad Fawzi Mahomoodally, Exploring the therapeutic potential and phenolic composition of two Turkish ethnomedicinal plants – *Ajuga orientalis* L. and *Arnebia densiflora* (Nordm.) Ledeb., *Industrial Crops and Products* 116 (2018), 240–248; DOI: 10.1016/j.indcrop.2018.02.054

IF₂₀₁₇ = 3.849; **M21a** (Agronomy 6/87); ISSN: 0926-6690

14. Jelena S. Katanić Stanković, Nikola Srećković, Danijela Mišić, Uroš Gašić, Paola Imbimbo, Daria Maria Monti, Vladimir Mihailović, Bioactivity, biocompatibility and phytochemical assessment of lilac sage, *Salvia verticillata* L. (Lamiaceae) - A plant rich in rosmarinic acid, *Industrial Crops and Products* 143 (2020), 111932; DOI: 10.1016/j.indcrop.2019.111932

IF₂₀₁₉ = 4.244; **M21a** (Agronomy 8/91); ISSN: 0926-6690

15. Jelena S. Katanić Stanković, Ramazan Ceylan, Gokhan Zengin, Sanja Matić, Tatjana Jurić, Alina Diuzheva, József Jekő, Zoltán Cziáky, Abdurrahman Aktumsek, Multiple biological activities of two *Onosma* species (*O. sericea* and *O. stenoloba*) and HPLC-MS/MS characterization of their phytochemical composition, *Industrial Crops and Products* 144 (2020), 112053; DOI: 10.1016/j.indcrop.2019.112053

IF₂₀₁₉ = 4.244; **M21a** (Agronomy 8/91); ISSN: 0926-6690

16. Vladimir Mihailović, **Jelena S. Katanić Stanković**, Tatjana Jurić, Nikola Srećković, Danijela Mišić, Branislav Šiler, Daria Maria Monti, Paola Imbimbo, Stefanie Nikles, San-Po Pan, Rudolf Bauer, *Blackstonia perfoliata* (L.) Huds. (Gentianaceae): A promising source of useful bioactive compounds, *Industrial Crops and Products* 145 (2020), 111974; DOI: 10.1016/j.indcrop.2019.111974

IF₂₀₁₉ = 4.244; **M21a** (Agronomy 8/91); ISSN: 0926-6690

17. Nikola Srećković, **Jelena S. Katanić Stanković**, Sanja Matić, Nevena R. Mihailović, Paola Imbimbo, Daria Maria Monti, Vladimir

Mihailović, <i>Lythrum salicaria</i> L. (Lythraceae) as a promising source of phenolic compounds in the modulation of oxidative stress: Comparison between aerial parts and root extracts, Submitted to <i>Industrial Crops and Products</i> (2020), 112781; DOI: 10.1016/j.indcrop.2020.112781 IF₂₀₁₉ = 4.244; M21a (Agronomy 8/91); ISSN: 0926-6690	
Списак резултата M21 Рад у врхунском међународном часопису	Број 9
1. Nevena Stanković, Milan Mladenović, Mirjana Mihailović, Jelena Arambašić, Aleksandra Uskoković, Vesna Stanković, Vladimir Mihailović, Jelena Katanić, Sanja Matić, Slavica Solujić, Nenad Vuković, Slobodan Sukdolak, Synthesis and toxicological studies of <i>in vivo</i> anticoagulant activity of novel 3-(1-aminoethylidene)chroman-2,4-diones and 4-hydroxy-3-(1-iminoethyl)-2<i>H</i>-chromen-2-ones combined with a structure-based 3-D pharmacophore model, <i>European Journal of Pharmaceutical Sciences</i> 55 (2014), 20–35; DOI: 10.1016/j.ejps.2014.01.004 IF₂₀₁₄ = 3.35; M21 (Pharmacology & Pharmacy 66/255); ISSN: 0928-0987 2. Vladimir Mihailović, Jelena Katanić, Danijela Mišić, Vesna Stanković, Mirjana Mihailović, Aleksandra Uskoković, Jelena Arambašić, Slavica Solujić, Milan Mladenović, Nevena Stanković, Hepatoprotective effects of secoiridoids-rich extracts from <i>Gentiana cruciata</i> L. against carbon tetrachloride induced liver damage in rats, <i>Food & Function</i> 5 (2014), 1795–1803; DOI: 10.1039/c4fo00088a IF₂₀₁₄ = 2.791; M21 (Food Science & Technology 17/122); ISSN: 2042-6496 3. Jelena Katanić, Tatjana Boroja, Nevena Stanković, Vladimir Mihailović, Milan Mladenović, Samo Kreft, Miroslav M. Vrvic, Bioactivity, stability and phenolic characterization of <i>Filipendula ulmaria</i> (L.) Maxim., <i>Food & Function</i> 6 (2015), 1164–1175; DOI: 10.1039/c4fo01208a IF₂₀₁₅ = 2.686; M21 (Food Science & Technology 25/125); ISSN: 2042-6496 4. Jovana P. Bugarinović, Marko S. Pešić, Aleksandra Minić, Jelena Katanić, Danijela Ilić - Komatina, Anka Pejović, Vladimir Mihailović, Dragana Stevanović, Branislav Nastasijević, Ivan Damljanović, Ferrocene-containing tetrahydropyrazolopyrazolones: Antioxidant and antimicrobial activity, <i>Journal of Inorganic Biochemistry</i> 189 (2018), 134–142; DOI: 10.1016/j.jinorgbio.2018.09.015 IF₂₀₁₇ = 3.063; M21 (Chemistry, Inorganic & Nuclear 10/45); ISSN: 0162-0134	

5. Dragica Selakovic, Jovana Joksimovic, Nemanja Jovicic, Slobodanka Mitrovic, Vladimir Mihailovic, **Jelena Katanic**, Dragan Milovanovic, Suzana Pantovic, Natasa Mijailovic, Gvozden Rosic, The Impact of Hippocampal Sex Hormones Receptors in Modulation of Depressive-Like Behavior Following Chronic Anabolic Androgenic Steroids and Exercise Protocols in Rats, *Frontiers in Behavioral Neuroscience* 13:19 (2019); DOI: 10.3389/fnbeh.2019.00019

IF₂₀₁₇ = 3.318; **M21** (Behavioral Sciences 15/51); ISSN: 1662-5153

6. Jovana Joksimovic, Dragica Selakovic, Nemanja Jovicic, Slobodanka Mitrovic, Vladimir Mihailovic, **Jelena Katanic**, Dragan Milovanovic, Gvozden Rosic, Exercise Attenuates Anabolic Steroids-Induced Anxiety via Hippocampal NPY and MC4 Receptor in Rats, *Frontiers in Neuroscience* 13:172 (2019), DOI: 10.3389/fnins.2019.00172

IF₂₀₁₇ = 3.877; **M21** (Neurosciences 77/261); ISSN: 1662-453X

7. **Jelena Katanić**, Fatima Yousfi, Marisa Carmela Caruso, Sanja Matić, Daria Maria Monti, El Hassania Loukili, Tatjana Boroja, Vladimir Mihailović, Fernanda Galgano, Paola Imbimbo, Ganna Petruk, Mohamed Bouhrim, Mohamed Bnouham, Mohammed Ramdani, Characterization of bioactivity and phytochemical composition with toxicity studies of different *Opuntia dillenii* extracts from Morocco, *Food Bioscience* 30 (2019), 100410; DOI: 10.1016/j.fbio.2019.04.011

IF₂₀₁₈ = 3.220; **M21** (Food Science & Technology 32/135); ISSN: 2212-4292

8. Igor Kumburovic, Dragica Selakovic, Tatjana Juric, Nemanja Jovicic, Vladimir Mihailovic, **Jelena Katanic Stankovic**, Nikola Sreckovic, Davor Kumburovic, Vladimir Jakovljevic, Gvozden Rosic, Antioxidant effects of *Satureja hortensis* L. attenuate anxiogenic effect of cisplatin in rats, *Oxidative Medicine and Cellular Longevity* 2019 (2019), Article ID 8307196, 15 pages; DOI: 10.1155/2019/8307196

IF₂₀₁₉ = 5.076; **M21** (Cell Biology 56/195); ISSN: 1942-0900

9. Rade Vukovic, Igor Kumburovic, Jovana Joksimovic Jovic, Nemanja Jovicic, **Jelena S. Katanic Stankovic**, Vladimir Mihailovic, Milos Djuric, Stefan Velickovic, Aleksandra Arnaut, Dragica Selakovic, Gvozden Rosic, N-acetylcysteine protects against the anxiogenic response to cisplatin in rats, *Biomolecules* 9(12), (2019), 892; DOI: 10.3390/biom9120892

IF₂₀₁₈ = 4.694; **M21** (Biochemistry & Molecular Biology 58/299); ISSN: 2218-273X

Списак резултата M22 Рад у истакнутом међународном часопису	Број 10
1. Vladimir Mihailović, Sanja Matić, Danijela Mišić, Slavica Solujić, Snežana Stanić, Jelena Katanić, Milan Mladenović, Nevena Stanković, Chemical composition, antioxidant and antigenotoxic activities of different fractions of <i>Gentiana asclepiadea</i> L. roots extract, <i>EXCLI Journal</i> 12 (2013), 807-823. IF₂₀₁₂ = 1.923; M22 (Biology 27/82); ISSN: 1611-2156 2. Jelena Katanić, Vladimir Mihailović, Nevena Stanković, Tatjana Boroja, Milan Mladenović, Slavica Solujić, Milan S. Stanković, Miroslav M. Vrvic, Dropwort (<i>Filipendula hexapetala</i> Gilib.): Potential role as antioxidant and antimicrobial agent, <i>EXCLI Journal</i> 14 (2015), 1–20; DOI: 10.17179/excli2014-479 IF₂₀₁₅ = 1.292; M22 (Biology 46/86); ISSN: 1611-2156 3. Nevena Stanković, Milan Mladenović, Sanja Matić, Snežana Stanić, Vesna Stanković, Mirjana Mihailović, Vladimir Mihailović, Jelena Katanić, Tatjana Boroja, Nenad Vuković, Slobodan Sukdolak, Serum albumin binding analysis and toxicological screening of novel chroman-2,4-diones as oral anticoagulants, <i>Chemico-Biological Interactions</i> 227 (2015), 18–31; DOI:10.1016/j.cbi.2014.12.005 IF₂₀₁₅ = 2.618; M22 (Biochemistry & Molecular Biology 148/289); ISSN: 0009-2797 4. Jelena Katanić, Ramazan Ceylan, Sanja Matić, Tatjana Boroja, Gokhan Zengin, Abdurrahman Aktumsek, Vladimir Mihailović, Snežana Stanić, Novel perspectives on two Digitalis species: Phenolic profile, bioactivity, enzyme inhibition, and toxicological evaluation, <i>South African Journal of Botany</i> 109 (2017), 50–57; DOI: 10.1016/j.sajb.2016.12.004 IF₂₀₁₆ = 1.427; M22 (Plant Sciences 97/211); ISSN: 0254-6299 5. Anka Pejović, Ivan Damljanović, Dragana Stevanović, Aleksandra Minić, Jovana Jovanović, Vladimir Mihailović, Jelena Katanić, Goran A. Bogdanović, Synthesis, characterization and antimicrobial activity of novel ferrocene containing quinolines: 2-ferrocenyl-4-methoxyquinolines, 1-benzyl-2-ferrocenyl-2,3-dihydroquinolin-4(1H)-ones and 1-benzyl-2-ferrocenylquinolin-4(1H)-ones, <i>Journal of Organometallic Chemistry</i> 846 (2017), 6-17; DOI: 10.1016/j.jorganchem.2017.05.051 IF₂₀₁₆ = 2.184; M22 (Chemistry, Organic 27/59); ISSN: 0022-328X 6. Anka Pejović, Aleksandra Minić, Jovana Bugarinović, Marko Pešić, Ivan Damljanović, Dragana Stevanović, Vladimir Mihailović, Jelena Katanić, Goran A. Bogdanović, Synthesis, characterization and antimicrobial activity of novel 3-ferrocenyl-2-pyrazolyl-1,3-thiazolidin-4-ones, <i>Polyhedron</i> 155 (2018), 382-389; DOI:	

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Списак резултата M24 Рад у националном часопису међународног значаја	Број /
Списак резултата M33 Саопштење са међународног скупа штампано у целини	Број
Списак резултата M34 Саопштење са међународног скупа штампано у изводу	Број 36
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Списак резултата M42 Монографија националног значаја	Број /
Списак резултата M43 Монографска библиографска публикација или монографска студија	Број /
Списак резултата M44 Поглавље у књизи M41 или рад у истакнутом тематском зборнику водећег националног значаја	Број /
Списак резултата M45	Број

Поглавље у књизи М42 или рад у тематском зборнику националног значаја	/
Списак резултата М51 Рад у врхунском часопису националног значаја	Број 1
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Списак резултата М53 Национални часопис	Број /
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Списак резултата М60 Предавања по позиву на скуповима националног значаја- обавезно навести категорију	Број 1 М61 1 М62 8 М63 16 М64
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Списак резултата M90 Патент– обавезно навести категорију	Број /

УЧЕШЋЕ НА ПРОЈЕКТИМА РЕСОРНОГ МИНИСТАРСТВА

2013 – 2019. Пројекат Министарства просвете, науке и технолошког развоја Републике Србије, ИИИ43004: „Симултана биоремедијација и соилификација деградираних простора, за очување природних ресурса биолошки активних супстанци и развој и производњу биоматеријала и дијететских производа“, руководилац ванр. проф. др Владимир Бешкоски
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УЧЕШЋЕ НА МЕЂУНАРОДНИМ ПРОЈЕКТИМА

УЧЕШЋЕ НА ПРОЈЕКТИМА СА ПРИВРЕДОМ

КРАТАК ОПИС ИСТРЖИВАЊА У ПРЕТХОДНОМ ПЕРИОДУ (задње четири године)

У претходном периоду истраживања др Јелене Катанић Станковић била су усмерена на испитивање фитохемијских и фармаколошких карактеристика лековитих биљака које имају примену у традиционалној медицини, али до сада нису биле довољно испитиване. Дефинисан је њихов хемијски састав применом различитих спектрофотометријских и хроматографских метода, као и њихова биолошка активност. Одређивана је антиоксидативна, антимикробна, антиинфламаторна и антиканцерогена активност у *in vitro* условима, као и цито- и генотоксичност и антигенотоксичност. Поред тога примењивани су и *in vivo* модели за испитивање нефро- и хепатопротективних ефеката, као и антиинфламаторног потенцијала у живом организму.

Подер лековитих биљака са територије Републике Србије, др Катанић Станковић је у оквиру успешне сарадње са колегама из Аустрије, Мађарске, Турске, Италије, Марока и Маурицијуса учествовала у испитивању деловања различитих биљних врста на најприсутнија метаболичка обољења у хуманој популацији, дијабетес, Алцхајмерова болест, проблеми варења и обољења коже.

КРАТАК ОПИС ПЛАНИРАНИХ ИСТРЖИВАЊА У НАРЕДНОМ ПЕРИОДУ

Даља истраживања биће усмерена ка прецизном дефинисању механизма биолошког деловања биљних екстраката, праћено биолошки вођеним изоловањем најактивнијих компоненти и одређивањем најефикаснијих облика примене истих. Биће коришћени савремени модели *in vitro* дигестије, као и предикција обима активности *in silico* методама.