

Dr Dejan Godevac

Viši naučni saradnik



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Obrazovanje: 2001. Diplomirani hemičar, Hemijski fakultet, Univerzitet u Beogradu
2004. Magistar hemijskih nauka, Hemijski fakultet, Univerzitet u Beogradu
2010. Doktor hemijskih nauka, Hemijski fakultet, Univerzitet u Beogradu

Zvanja: 2002. Istraživač pripravnik
2005. Istraživač saradnik
2012. Viši naučni saradnik

Članstva u društvima: Srpsko hemijsko društvo
Biohemijsko društvo Srbije

Profesionalno iskustvo: 2002 – 2012. Hemijski fakultet, Univerzitet u Beogradu, asistent za predmete Strukturne instrumentalne metode, Instrumentalne metode 2, Zagađivači hrane
2002 i sada IHTM, Centar za hemiju, Univerzitet u Beogradu
2008. Amperova škola za NMR, Poznanj-Vjeržba, Poljska
2008. Učešće na 23. i 24. Testu osposobljenosti Organizacije za zabranu hemijskog oružja (OPCW)
2009. Učešće na 25. Testu osposobljenosti Organizacije za zabranu hemijskog oružja (OPCW)
2010. Učešće na 27. Testu osposobljenosti Organizacije za zabranu hemijskog oružja (OPCW)
2014. Učešće na 35. Testu osposobljenosti Organizacije za zabranu hemijskog oružja (OPCW)

Oblasti interesovanja: Metabolomika biljaka
Hemija prirodnih proizvoda
Spektroskopske i spektrometrijske metode za određivanje strukture (NMR, IR, UV-Vis, MS i MS-MS)
Hromatografske metode (HPLC, GC)
Analiza hemijskog oružja

Stručne veštine: Više od petnaest godina iskustva u:
izolovanju i karakterizaciji bioaktivnih prirodnih proizvoda iz samoniklih i gajenih biljaka;
analizi raznovrsnih uzoraka iz životne sredine, industrije i naučno-istraživačkih radova, kao i hemikalija na koje se odnosi Konvencija o hemijskom oružju (CWC);
radu na NMR, HPLC, LC-HRMS, LC-MS-MS, GC-MS, GC-MS-MS, UV, IR

Znanje jezika: Engleski, francuski

Najznačajniji projekti: Međunarodni:

2013 – 2014. Inovativni prilaz boljem korišćenju lokalnog biodiverziteta u zemljama jugoistočne Evrope zasnovan na etnofarmakologiji. UNESCO

2014-2015. Validacija antiinflamatornog delovanja biljaka koje se u evropskoj tradicionalnoj medicini koriste kod hroničnih zapaljenskih bolesti. Bilateralni projekat sa Republikom Francuskom „Pavle Savić“

2015 i sada Sekundarni metaboliti divlje-rastućih i kultivisanih biljaka sa potencijalnom biološkom aktivnošću (Projekat međuakademske saradnje između Bugarske akademije nauka (BAN) i Srpske akademije nauka i umetnosti (SANU))

Osnovna istraživanja:

2005. (2001 – 2005.) Prirodni proizvodi iz biljaka i morskih organizama: medicinski i ekološki značaj (1755). Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije

2006 – 2010. Sekundarni metaboliti samoniklih, lekovitih biljaka: izolovanje, karakterizacija i biološka aktivnost (142053). Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije

2011 – 2016. Bioaktivni prirodni proizvodi samoniklih, gajenih i jestivih biljaka: određivanje strukture i aktivnosti (172053). Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije

Izabrane publikacije: Monografije, poglavlja u knjigama:

1. Aleksandra Konić-Ristić, Katarina Šavikin, Gordana Zdunić, Dejan Gođevac, Teodora Janković, Nebojša Menković (2012) Phenolic compounds, health effects and antioxidant properties of berries. In: Phytochemicals: Occurrence in nature, health effects and antioxidant properties, Hai-Xue Kuang (ed.), Nova Science Publishers.
2. Dejan Gođevac, Milka Jadranić, Ivana Aljančić, Vlatka Vajs, Vele Tešević, Slobodan Milosavljević. Application of Spectroscopic Methods and Hyphenated Techniques to the Analysis of Complex Plant Extracts. In: Máthé, A. (Ed.) Medicinal and Aromatic Plants of the World – Vol 1: Scientific, Production, Commercial and Utilization Aspects (2015) Springer, Netherlands, p. 61–85.

Publikovani radovi:

1. Bjelaković, Mira S., Godjevac, Dejan M., Milić, Dragana R. Synthesis and antioxidant properties of fullerene-steroidal covalent conjugates. *Carbon* (2007), 45(11), 2260-2265.
2. Gođevac, Dejan, Vujisić, Ljubodrag, Mojović, Milos, Ignjatović, Aleksandar, Spasojević, Ivan, Vajs, Vlatka. Evaluation of antioxidant capacity of *Allium ursinum* L. volatile oil and its effect on membrane fluidity. *Food Chemistry* 2008, 107(4), 1692-1700.
3. Stanković, Miroslava, Tešević, Vele, Vajs, Vlatka, Todorović, Nina, Milosavljević, Slobodan, Gođevac, Dejan. Antioxidant properties of grape seed extract on human lymphocyte oxidative defence. *Planta Medica* (2008), 74(7), 730-735.
4. Dejan Gođevac, Vele Tešević, Vlatka Vajs, Slobodan Milosavljevic, Miroslava Stankovic. Antioxidant properties of raspberry seed extracts on micronucleus distribution in peripheral blood lymphocytes. *Food and Chemical Toxicology* 47 (2009), 2853-2859.
5. Jelena Živković, Zoran Zeković, Ibrahim Mujić, Dejan Gođevac, Miloš Mojović, Aida Mujić, Ivan Spasojević. EPR Spin-Trapping and Spin-Probing Spectroscopy in Assessing Antioxidant Properties: Example on Extracts of Catkin, Leaves, and Spiny Burs of *Castanea sativa*. *Food Biophysics* (2009) 4:126–133.
6. Gligorijević, Nevenka, Todorović, Tamara, Radulović, Sinisa, Sladić, Dusan, Filipović, Nenad, Gođevac, Dejan, Jeremić, Dejan, Anđelković, Katarina. Synthesis and characterization of new Pt(II) and Pd(II) complexes with 2-quinolinecarboxaldehyde selenosemicarbazone: Cytotoxic activity evaluation of Cd(II), Zn(II), Ni(II), Pt(II) and Pd(II) complexes with heteroaromatic selenosemicarbazones. *European Journal of Medicinal Chemistry* (2009), 44(4), 1623-1629.
7. Mitić, Dragana, Milenković, Marina, Milosavljević, Slobodan, Gođevac, Dejan, Miodragović, Zoran, Anđelković, Katarina, Miodragović, Djenana. Synthesis, characterization and antimicrobial activity of Co(II), Zn(II) and Cd(II) complexes with N-benzyloxycarbonyl-S-phenylalanine. *European Journal of Medicinal Chemistry* (2009), 44(4), 1537-1544.
8. Pljevljakušić D, Šavikin K, Janković T, Zdunić G, Ristić M, Godjevac D, Konić-Ristić A. Chemical properties of the cultivated *Sideritis raeseri* subsp. *raeseri*. *Food Chemistry* (2011), 124, 226-233.
9. Bajić Aleksandar, Zakrzewska Joanna, Godjevac Dejan, Andjus Pavle, Jones David R., Spasić Mihajlo, Spasojević Ivan. Relevance of the ability of fructose 1,6-bis(phosphate) to sequester ferrous but not ferric ions, *Carbohydrate Research* (2011) 346 (3), 416-420.
10. Gođevac, Dejan; Tesevic, Vele; Vajs, Vlatka; Milosavljevic, Slobodan; Stankovic, Miroslava. Blackberry Seed Extracts and Isolated Polyphenolic Compounds Showing Protective Effect on Human Lymphocytes DNA, *JOURNAL OF FOOD SCIENCE* 2011 76 (7):C1039-C1043
11. Dejan Gođevac, Vele Tešević, Vlatka Vajs, Slobodan Milosavljević and Miroslava Stanković, Antioxidant evaluation of heterocyclic compounds by cytokinesis-block micronucleus assay Mini-Reviews in Medicinal Chemistry Volume 2013 13(3), 431-438.
12. Tatjana Stevic, Tanja Beric, Katarina Savikin, Marina Sokovic, Dejan Gođevac, Ivica Dimkic, Slavisa Stankovic, Antifungal activity of selected essential oils against fungi isolated from medicinal plant. *Industrial Crops and Products* (2014) 55, 116–122.
13. Pergal MV, Nestorov J, Tovilović G, Ostojić S, Gođevac D, Vasiljević-Radović D, Djonlagić J. Structure and properties of thermoplastic polyurethanes based on poly(dimethylsiloxane): Assessment of biocompatibility. *Journal of Biomedical Materials Research Part A* (2014) 102(11), 3951–3964.
14. Katarina Šavikin, Jelena Živković, Gordana Zdunić, Dejan Gođevac, Boban Đorđević, Biljana Dojčinović, Neda Đorđević. Phenolic and mineral profiles of four Balkan indigenous apple cultivars monitored at two different maturity stages. *Journal of Food Composition and Analysis*, (2014), 35, 101-111.
15. Savikin, Katarina; Zdunic, Gordana; Jankovic, Teodora; Godjevac, Dejan; Stanojkovic, Tatjana; Pljevljakusic, Dejan, Berry fruit teas: Phenolic composition and cytotoxic activity *Food Research International* (2014), 62, 677-683.
16. Gođevac, D., Mandić, B., Vajs, V., Menković, N., Macura, S., Milosavljević, S. Complete assignments of ¹H and ¹³C NMR spectra of leucanthoside A, a new triterpenoid saponin from *Cephalaria leucantha* L. *Magnetic Resonance in Chemistry* (2006), 44(7), 731-735.
17. Matić, Ivana; Žižak, Željko; Simonović, Mladen; Simonović, Branislav; Gođevac, Dejan; Šavikin, Katarina; Juranić, Zorica. Cytotoxic Effect of Wine Polyphenolic Extracts and Resveratrol Against Human Carcinoma Cells and Normal Peripheral Blood Mononuclear Cells. *Journal of Medicinal Food* (2010), 13(4), 851-862.
18. Pergal, Marija V.; Antic, Vesna V.; Govedarica, Milutin N.; Goaevac, Dejan; Ostojic, Sanja; Djonlagic, Jasna. Synthesis and characterization of novel urethane-siloxane copolymers with a high content of PCL-PDMS-PCL segments. *Journal of Applied Polymer Science* (2011), 122(4), 2715-2730.
19. Mujić I, Zeković Z, Vidović S, Radojković M, Živković J, Gođevac D. Fatty Acid Profiles of Four Wild Mushrooms and Their Potential Benefits for Hypertension Treatment, *J Med Food*. (2011), 14(11), 1330-1337.
20. Ljubodrag V. Vujisić, Slobodan E. Makarov, Božidar P. M. Čurčić, Bojan S. Ilić, Vele V. Tešević, Dejan M. Gođevac, Ivan M. Vučković, Srećko B. Čurčić, Bojan M. Mitić Composition of the Defensive Secretion in Three Species of European Millipedes *J Chem Ecol*, (2011), 37(12) 1358-1364.
21. Matić IZ, Juranić Z, Savikin K, Zdunić G, Nađvinski N, Gođevac D. Chamomile and Marigold Tea: Chemical Characterization and Evaluation of Anticancer Activity. *Phytotherapy Research* (2013), 27(6),

852-858.

22. Jasmina Balijagić, Teodora Janković, Gordana Zdunić, Jelena Bošković, Katarina Šavikin, Dejan Gođevac, Tatjana Stanojković, Miodrag Jovančević, Nebojša Menković. Chemical Profile, Radical Scavenging and Cytotoxic Activity of Yellow Gentian Leaves (*Genitaneae luteae folium*) Grown in Northern Regions of Montenegro. *Natural Product Communications*, (2012) 24, 159-166.
23. Balaban Milica R, Antic Vesna V, Pergal Marija V, Godjevac Dejan M, Francolini Iolanda, Martinelli Andrea, Rogan Jelena, Djonlagic Jasna A, Influence of the chemical structure of poly(urea-urethane-siloxane)s on their morphological, surface and thermal properties *POLYMER BULLETIN* 2013 70 (9), 2493-2518.
24. Menković, Nebojša; Gođevac, Dejan; Šavikin, Katarina; Zdunić, Gordana; Milosavljević, Slobodan; Bojadži, Andon; Avramoski, Oliver Bioactive compounds of endemic species *Sideritis raeseri* subsp. *raeseri* grown in National Park Galicica. *Records of Natural Products* (2013), 7(3), 161-168.
25. Milan S. Stankovic, Milica Petrovic, Dejan Godjevac, Zora Dajic Stevanovic. Screening inland halophytes from the central Balkan for their antioxidant activity in relation to total phenolic compounds and flavonoids: Are there any prospective medicinal plants. *Journal of Arid Environments* 120 (2015) 26-32.
26. Godevac, Dejan; Tesevic, Vele; Vajs, Vlatka; Milosavljevic, Slobodan; Stankovic, Miroslava. Chemical Composition of Currant Seed Extracts and Their Protective Effect on Human Lymphocytes DNA, *JOURNAL OF FOOD SCIENCE* 2012, 77(7), C779-83.
27. Aleksandra Konić-Ristić, Katarina Šavikin, Gordana Zdunić, Dejan Gođevac, Teodora Janković, Nebojša Menković (2012) Phenolic compounds, health effects and antioxidant properties of berries. In: *Phytochemicals: Occurrence in nature, health effects and antioxidant properties*, Hai-Xue Kuang (ed.), Nova Science Publishers, ISBN: 978-1-62417-354-7.
28. Godjevac, Dejan, Vajs, Vlatka, Menković, Nebojša, Tešević, Vele, Janačković, Peđa, Milosavljević, Slobodan. Flavonoids from flowers of *Cephalaria pastricensis* and their antiradical activity. *Journal of the Serbian Chemical Society* (2004), 69(11), 883-886.
29. Gođevac, Dejan, Mandić, Boris, Vajs, Vlatka, Tešević, Vele, Menković, Nebojša, Janačković, Peđa, Milosavljević, Slobodan. Triterpenoid saponins and iridoid glycosides from the aerial parts of *Cephalaria pastricensis*. *Biochemical Systematics and Ecology* (2006), 34(12), 890-893.
30. Beškoski, Vladimir P., Matic, Valerija F., Milić, Jelena, Gođevac, Dejan, Mandić, Boris, Vrvic, Miroslav M. Oxidation of dibenzothiophene as a model substrate for the removal of organic sulphur from fossil fuels by iron(III) ions generated from pyrite by *Acidithiobacillus ferrooxidans*. *Journal of the Serbian Chemical Society* (2007), 72(6), 533-537.
31. Gođevac Dejan, Zdunić Gordana, Šavikin Katarina, Vajs Vlatka, Menković Nebojša Antioxidant activity of nine Fabaceae species growing in Serbia and Montenegro. *Fitoterapia* (2008), 79(3), 185-7.
32. Gođevac, Dejan, Pejin, Boris, Zdunić, Gordana, Šavikin, Katarina, Stešević, Danijela, Vajs, Vlatka, Milosavljević, Slobodan. Flavonoids from the aerial parts of *Onobrychis montana* subsp. *scardica*. *Journal of the Serbian Chemical Society* (2008), 73(5), 525-529.
33. Zdunić, G., Gođevac, D., Milenković, M., Vučićević, D., Šavikin, K., Menković, N., Petrović, S. Evaluation of *Hypericum perforatum* Oil Extracts for an Antiinflammatory and Gastroprotective Activity in Rats. *Phytotherapy Research* (2009), 23, 1559-1564.
34. Mandić, Boris M., Gođevac, Dejan N., Beškoski, Vladimir P., Simić, Milena R., Trifunović, Snežana S., Tešević, Vele V., Vajs, Vlatka V., Milosavljević, Slobodan M. Pyrrolizidine alkaloids from seven wild-growing *Senecio* species in Serbia and Montenegro. *Journal of the Serbian Chemical Society* (2009), 74(1), 27-34.
35. Gordana Zdunić, Dejan Gođevac, Katarina Šavikin, Miroslav Novaković, Slobodan Milosavljević, Silvana Petrović. Isolation and identification of phenolic compounds from *Hypericum richeri* Vill. and their antioxidant capacity. *Natural Product Research* (2009) 1478-6427.
36. Dejan Gođevac, Vele Tešević, Milovan Veličković, Ljubodrag Vujisić, Vlatka Vajs, Slobodan Milosavljević. Polyphenolic compounds in seeds from some grape cultivars grown in Serbia *Journal of the Serbian Chemical Society* (2010), 75(12), 1641-1652.
37. Gođevac Dejan, Menković Nebojša, Vujisić Ljubodrag, Tešević Vele, Vajs Vlatka, Milosavljević Slobodan. A new triterpenoid saponin from the aerial parts of *Cephalaria ambrosioides*. *Natural Product Research* (2010), 24(14), 1307-1312.
38. Filipovic, Nenad; Todorovic, Tamara; Markovic, Rade; Marinkovic, Aleksandar; Tufegdzcic, Srdan; Godevac, Dejan; Andelkovic, Katarina. Synthesis, characterization and biological activities of N-heteroaromatic hydrazones and their complexes with Pd(II), Pt(II) and Cd(II). *Transition Metal Chemistry* (2010) 35(6), 765-772.
39. Mandić, Boris M.; Gođevac, Dejan M.; Vujisić, Ljubodrag V.; Trifunović, Snežana S.; Tešević, Vele V.; Vajs, Vlatka V.; Milosavljević, Slobodan M. Semiquinol and phenol compounds from seven *Senecio* species. *Chemical Papers* (2011), 65(1), 90-92.
40. Aljančić, I. S.; Vajs, V. E.; Milosavljević, S. M.; Todorović, N.; Menković, N. R.; Godjevac, D.; Tadić, V. M. Comparative analysis of parthenolide content in *Tanacetum larvatum*, an endemic species of Montenegro, collected from three different locations. *Chemistry of Natural Compounds* (2010), 46(4), 658-660.
41. Dejan Gođevac, Vlatka Vajs, Slobodan Milosavljević, Boban Đorđević, Gordana Zdunić, Vele Tešević, Chemical composition of white currant seed extract, *Journal of the Serbian Chemical Society*

(2011), 76 (11) 1465–1470.

42. Ana Topalovic, Dejan Godjevac, Natalija Perovic, Snezana Trifunovic, Comparative study of the phenolic composition of seeds from grapes cv. 'Cardinal' and 'Alphonse Lavallee' during last month of ripening. *Italian Journal of Food Science*, (2012) 24, 159-166.

43. DEJAN GOĐEVAC, LJUBODRAG VUJISIĆ, IVAN VUČKOVIĆ, VLATKA VAJS, MARINA SOKOVIĆ, PETAR D. MARIN, VELE TEŠEVIĆ Composition and Antimicrobial activity of the essential oil from *Galatella linosyris* (L.) Rehb. f. (Asteraceae), *Journal of the Serbian Chemical Society*, (2012) 77, 619-626.

44. NEBOJŠA MENKOVIĆ, JELENA ŽIVKOVIĆ, KATARINA ŠAVIKIN, DEJAN GOĐEVAC and GORDANA ZDUNIĆ. Phenolic Composition and Free Radical Scavenging Activity of Wine Produced from Serbian Autochthonous Grape Variety Prokupac – a model approach *Journal of the Serbian Chemical Society*, (2014) 79, 11-24.

45. TATJANA LJ. SEKULIĆ, LJ. V. VUJISIĆ, B. P. M. ČURČIĆ, B. M. MANDIĆ, D. Ž. ANTIĆ, SNEŽANA S. TRIFUNOVIĆ, D. M. GOĐEVAC, VLATKA E. VAJS, V. T. TOMIĆ and S. E. MAKAROV. QUINONES AND NON-QUINONES FROM THE DEFENSIVE SECRETION OF *UNCIGER TRANSILVANICUS* (VERHOEFF, 1899) (DIPLOPODA, JULIDA, JULIDAE), FROM SERBIA. *Arch. Biol. Sci., Belgrade*, (2014), 66 (1), 385-391.

46. Pergal Marija V, Stefanovic Ivan S, Godjevac Dejan M, Antic Vesna V, Milacic Vesna, Ostojic Sanja B, Rogan Jelena R, Djonlagic Jasna A. Structural, thermal and surface characterization of thermoplastic polyurethanes based on poly(dimethylsiloxane) *J. Serb. Chem. Soc.* 79 (7) 843–866 (2014).

47. Gordana Zdunić, Dejan Godevac, Marina Milenković, Katarina Šavikin, Nebojša Menković, Silvana Petrović. Anti-inflammatory and Gastroprotective Properties of *Hypericum richeri* Oil Extracts. *Natural Product Communications* (2010) 5(8), 1215-1218.

48. Milan S. Stankovic, Milica Petrovic, Dejan Godjevac, Zora Dajic Stevanovic. Screening inland halophytes from the central Balkan for their antioxidant activity in relation to total phenolic compounds and flavonoids: Are there any prospective medicinal plants. *Journal of Arid Environments* 120 (2015) 26-32.

49. Godevac D, Stanković J, Novaković M, Anđelković B, Dajić-Stevanović Z, Petrović M, Stanković M. Phenolic Compounds from *Atriplex littoralis* and Their Radiation-Mitigating Activity. *J Nat Prod.* 2015 78(9):2198-204.

50. Vajic, Una-Jovana; Grujic-Milanovic, Jelica; Zivkovic, Jelena; Savikin, Katarina; Godjevac, Dejan; Miloradovic, Zoran; Bugarski, Branko; Mihailovic-Stanojevic, Nevena. Optimization of extraction of stinging nettle leaf phenolic compounds using response surface methodology. *Industrial Crops and Products* (2015), 74, 912-917.