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PROJEKTI

- 2011- Projekat Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije pod nazivom „Simultana bioremedijacija i soilifikacija degradiranih prostora, za očuvanje prirodnih resursa biološki aktivnih supstanci i razvoj i proizvodnju biomaterijala i dijetetskih proizvoda“ (III 43004)
- 2013-2015 Projekat bilateralne međunarodne saradnje između Vlade Republike Srbije i Vlade Republike Italije za period od 2013 do 2015. godine pod nazivom “Ligand-based and structure-based design of novel coumarin derivatives as MAO A and MAO B inhibitors”

NAUČNI RADOVI

1. S. Radenkovic, S. Markovic, R. Kuc, **N. Stanković**, The diradical character of polyacenequinododimethides, *Monatshefte Fur Chemie* 142 (2011) 1013-1019.
2. M. Mladenović, S. Matić, S. Stanić, S. Solujić, V. Mihailović, **N. Stanković**, J. 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.
3. V. Mihailović, S. Matić, D. Mišić, S. Solujić, S. Stanić, J. Katanić, M. Mladenović, **N. Stanković**, Chemical composition, antioxidant and antigenotoxic activities of different fractions of *Gentiana asclepiadea* L. roots extract, *EXCLI Journal* 12 (2013) 807-823.
4. S. Matić, S. Stanić, D. Bogojević, M. Vidaković, N. Grdović, S. Dinić, S. Solujić, M. Mladenović, **N. Stanković**, M. Mihailović, Methanol extract from the stem of *Cotinus coggygia* Scop., and its major bioactive phytochemical constituent myricetin modulate pyrogallol-induced DNA damage and liver injury, *Mutation Research/Genetic Toxicology and Environmental Mutagenesis* 755 (2013) 81-89.
5. S. Matić, S. Stanić, S. Solujić, **N. Stanković**, M. Mladenović, V. Mihailović, Protective role of methanol extracts of *Gentiana asclepiadea* L. and *G-cruciata* L. against genotoxic damage induced by ethyl methanesulfonate, *Genetika* 45 (2013) 329-340.
6. **N. Stanković**, M. Mladenović, M. Mihailović, J. Arambašić, A. Uskoković, V. Stanković, V. Mihailović, J. Katanić, S. Matić, S. Solujić, N. Vuković, S. Sukdolak, Synthesis and toxicological studies of *in vivo* anticoagulant activity of novel 3-(1-aminoethylidene)chroman-2,4-diones and 4-hydroxy-3-(1-iminoethyl)-2*H*-chromen-2-

ones combined with a structure-based 3-D pharmacophore model, *European Journal of Pharmaceutical Sciences* 55 (2014) 20-35.

7. V. Mihailović, J. Katanić, D. Mišić, V. Stanković, M. Mihailović, A. Uskoković, J. Arambašić, S. Solujić, M. Mladenović, **N. Stanković**, Hepatoprotective effects of secoiridoid-rich extracts from *Gentiana cruciata* L. against carbon tetrachloride induced liver damage in rats, *Food & Function* 5 (2014) 1795-1803.

8. **N. Stanković**, M. Mladenović, S. Matić, S. Stanić, V. Stanković, M. Mihailović, V. Mihailović, J. Katanić, T. Boroja, N. Vuković, S. Sukdolak, Serum albumin binding analysis and toxicological screening of novel chroman-2,4-diones as oral anticoagulants, *Chemico-Biological Interactions* 227 (2015) 18-31.

9. V. Mihailović, D. Mišić, S. Matić, M. Mihailović, S. Stanić, M. Vrvić, J. Katanić, M. Mladenović, **N. Stanković**, T. Boroja, M. Stanković, Comparative phytochemical analysis of *Gentiana cruciata* L. roots and aerial parts, and their biological activities, *Industrial Crops and Products* 73 (2015) 49-62.

10. J. Katanić, T. Boroja, **N. Stanković**, V. Mihailović, M. Mladenović, I. Kreft, M. Vrvić, Bioactivity, stability and phenolic characterization of *Filipendula ulmaria* (L.) Maxim, *Food & Function* 6 (2015) 1164-1175.

11. J. Katanić, V. Mihailović, **N. Stanković**, T. Boroja, M. Mladenović, S. Solujić, M. Stanković, M. Vrvić, Dropwort (*Filipendula hexapetala* Gilib.): Potential role as antioxidant and antimicrobial agent, *EXCLI Journal* 14 (2015) 1-20.

12. M. Mladenović, **N. Stanković**, S. Matić, S. Stanić, M. Mihailović, V. Mihailović, J. Katanić, T. Boroja, N. 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.

13. J. Katanić, V. Mihailović, S. Matić, V. Stanković, **N. Stanković**, T. Boroja, M. Mladenović, S. Stanić, S. Kreft, M. Mihailović, The ameliorating effect of *Filipendula hexapetala* extracts on hepatorenal toxicity of cisplatin, *Journal of Functional Foods* 18 (2015) 198-212.

14. S. Matić, J. Katanić, S. Stanić, M. Mladenović, **N. Stanković**, V. Mihailović, T. Boroja, *In vitro* and *in vivo* assessment of the genotoxicity and antigenotoxicity of the *Filipendula hexapetala* and *Filipendula ulmaria* methanol extracts, *Journal of Ethnopharmacology* 174 (2015) 287-292.

NAUČNA SAOPŠTENJA

1. V. Mihailović, J. Katanić, M. Mihailović, K. Šipovac, V. Stanković, S. Solujić, M. Mladenović, **N. Stanković**, S. Matić, Hepatoprotective activity of methanolic extract of

root of *Gentiana asclepiadea* L. in carbon tetrachloride induced hepatic damage in rats, *32nd Balkan Medical Week*, Niš, Serbia (2012) p. 72.

2. S. Matić, S. Stanić, S. Solujić, **N. Stanković**, M. Mladenović, J. Katanić, V. Mihailović, Antigenotoxic and antioxidant properties of the methanolic extract obtained from the underground parts of *Gentiana cruciata*, *32nd Balkan Medical Week*, Niš, Serbia (2012) p. 80.

3. S. Matić, S. Stanić, S. Solujić, **N. Stanković**, M. Mladenović, V. Mihailović, Comparative analysis of the antigenotoxicity of five selected 4-hydroxy-2H-chromen-2-one derivatives: possible mechanism of action, *32nd Balkan Medical Week*, Niš, Serbia (2012) p. 65.

4. J. Katanić, V. Mihailović, S. Solujić, M. Stanković, **N. Stanković**, S. Matić, M. Mladenović, Radical scavenger activity and chelating ability of *Filipendula hexapetala* Gilib. root extract, *1st International Conference on Plant Biology*, Subotica, Serbia, (2013) p. 93.

5. S. Matić, S. Stanić, D. Bogojević, S. Solujić, M. Mladenović, **N. Stanković**, V. Mihailović, J. Katanić, M. Mihailović, Chemical composition, antioxidant and antigenotoxic activities of *Cotinus coggyria* stem extract, *1st International Conference on Plant Biology*, Subotica, Serbia (2013) p. 90-91.

6. V. Mihailović, J. Katanić, M. Mihailović, D. Mišić, S. Solujić, K. Šipovac, V. Stanković, M. Mladenović, **N. Stanković**, Secoiridoid content and hepatoprotective activity of *Gentiana cruciata* L. root extract, *1st International Conference on Plant Biology*, Subotica, Serbia (2013) p. 91-92.

7. J. Katanić, V. Mihailović, S. Solujić, **N. Stanković**, M. Mladenović, Protective effect of *Filipendula hexapetala* Gilib. root extract on lipid oxidation in different model systems, *8th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 8)*, Belgrade, Serbia (2013) p. 234.

8. V. Mihailović, D. Mišić, J. Katanić, M. Mihailović, S. Solujić, V. Stanković, M. Mladenović, **N. Stanković**, Phytochemical profiling by UHPLC-DAD/+-HESI-MS/MS analyzes and hepatoprotective activity of *Gentiana cruciata* L. against CCl₄ induced liver injury in Wistar rats, *8th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 8)*, Belgrade, Serbia (2013) p. 220.

9. M. Mladenović, **N. Stanković**, V. Mihailović, J. Katanić, S. Matić, S. Stanić, S. Solujić, Toxicological and receptor-based 3-D QSAR studies of *in vivo* anticoagulant activity of novel 3-(1-aminoethylidene)chroman-2,4-diones and 4-hydroxy-3-(1-iminoethyl)-2H-chromen-2-ones, *8th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 8)*, Belgrade, Serbia (2013) p. 107.

10. M. Mladenović, S. Matić, S. Stanić, S. Solujić, V. Mihailović, **N. Stanković**, J. Katanić, Molecular docking provides understanding of the *in vivo* antigenotoxic activity of naturally occurring aromatic compounds: myrcetin, quercetin, rutin, and rosmarinic acid against ethyl methanesulfonate, *8th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 8)*, Belgrade, Serbia (2013) p. 114.
11. S. Matić, N. Đorđević, S. Stanić, S. Simić, **N. Stanković**, V. Mihailović, First report on genotoxicological assessment of the *Cylindrospermopsis raciborskii* (Cyanobacteria) from lake Aleksandrovac in Serbia, *V Congress of the Serbian Genetic Society*, Kladovo, Serbia (2014) p. 145.
12. S. Matić, S. Stanić, **N. Stanković**, M. Mladenović, Genotoxic effect of (E)-3-(1-(2-aminoethylamino)ethylidene)chroman-2,4-dione (2a) and (3E,3'E)-3,3'-(1,1'-(ethane-1,2-diylbis(azanediyl))bis(ethan-1-yl-1-ylidene))dichroman-2,4-dione (2f) exerted through the oral route, *V Congress of the Serbian Genetic Society*, Kladovo, Serbia (2014) p. 146.
13. **N. Stanković**, M. Mladenović, S. Matić, S. Stanić, J. Katanić, V. Mihailović, T. Boroja, Assessment of genotoxicity of eight novel 3-(1-aminoethylidene)chroman-2,4-diones and 4-hydroxy-3-(1-iminoethyl)-2H-chromen-2-ones, *V Congress of the Serbian Genetic Society*, Kladovo, Serbia (2014) p. 149.
14. **N. Stanković**, S. Matić, S. Stanić, M. Mladenović, J. Katanić, V. Mihailović, T. Boroja, *In vivo* antigenotoxic role of three selected 3-(1-aminoethylidene)chroman-2,4-diones and 4-hydroxy-3-(1-iminoethyl)-2H-chromen-2-ones on EMS-induced DNA damages in rat liver and kidneys, *V Congress of the Serbian Genetic Society*, Kladovo, Serbia (2014) p. 150.
15. J. Katanić, V. Mihailović, T. Boroja, **N. Stanković**, M. Mladenović, Meadowsweet as underestimated food additive against lipid oxidation, *XXIII Congress of Chemists and Technologists of Macedonia*, Ohrid, Republic of Macedonia (2014) p. 71.
16. T. Boroja, V. Mihailović, J. Katanić, **N. Stanković**, M. Mladenović, Phenolic profile and antioxidant activity of *Alchemilla vulgaris* L., *XXIII Congress of Chemists and Technologists of Macedonia*, Ohrid, Republic of Macedonia (2014) p. 70.
17. T. Boroja, V. Mihailović, J. Katanić, M. Stanković, **N. Stanković**, M. Mladenović, Antibacterial activity of Lady's Mantle, *2st International Conference on Plant Biology, 21th Symposium of the Serbian Plant Physiology Society*, Petnica Science Center 17-20 June (2015) p. 3-3.
18. J. Katanić, S. Matić, S. Stanić, M. Mladenović, **N. Stanković**, V. Mihailović, T. Boroja, V. Maksimović, HPLC analysis and *in vivo* assessment of the genotoxicity and antigenotoxicity of the *Filipendula ulmaria* methanol extract, *2st International Conference on Plant Biology, 21th Symposium of the Serbian Plant Physiology Society*, Petnica Science Center 17-20 June (2015) p. 4-9.

19. J. Katanić, V. Mihailović, S. Matić, E. Pferschy-Wenzig, R. Bauer, **N. Stanković**, T. Boroja, Nephroprotective effect of dropwort (*Filipendula hexapetala* Gilib.) on cisplatin-induced toxicity in rats, *63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research* Budapest, Hungary (2015) p. 250.
20. T. Boroja, V. Mihailović, J. Katanić, M. Mladenović, **N. Stanković**, *Satureja hortensis* L. as a potential antimicrobial agent, *2nd International Conference on Natural Products Utilization: from Plant to Pharmacy Shelf* (ICNPU 2015) Plovdiv, Bulgaria (2015) p. 123.
21. J. Katanić, S. Nikles, San-Po Pan, R. Bauer, V. Mihailović, T. Boroja, **N. Stanković**, M. Mladenović, Phenolic content and anti-inflammatory activity of uninvestigated *Stellaria holostea* methanolic extract, *III Simpozijum biologa i ekologija Republike Srpske* (SBERS 2015), 12-14. Novembar 2015, Banja Luka, Republika Srpska, p. 115.
22. J. Katanić, S. Matić, S. Stanić, M. Mladenović, **N. Stanković**, V. Mihailović, T. Boroja, *In vitro* protective effect of methanol extracts of *Filipendula hexapetala* and *Filipendula ulmaria* against hydroxyl radical-induced DNA damage, *III Simpozijum biologa i ekologija Republike Srpske* (SBERS 2015), 12-14. Novembar 2015, Banja Luka, Republika Srpska, p. 116.
23. V. Mihailović, M. Koraćević-Maslak, J. Katanić, V. Maksimović, T. Boroja, M. Mladenović, **N. Stanković**, Phytochemical and antimicrobial activity evaluations of *Bergenia cordifolia* root extract, *III Simpozijum biologa i ekologija Republike Srpske* (SBERS 2015), 12-14. Novembar 2015, Banja Luka, Republika Srpska, p. 119.
24. **N. Stanković**, M. Mladenović, S. Matić, S. Stanić, M. Mihailović, V. Mihailović, J. Katanić, T. Boroja, N. Vuković, Newly discovered chroman-2,4-diones neutralize DNA alkylation damage *in vivo* on topIIa level: A story behind the molecular modeling approach, *III Simpozijum biologa i ekologija Republike Srpske* (SBERS 2015), 12-14. Novembar 2015, Banja Luka, Republika Srpska, p. 118.
25. J. Katanić, V. Mihailović, **N. Stanković**, M. Mladenović, S. Solujić, M. Stanković, Antioksidativna aktivnost metanolskog ekstrakta korena biljke *Filipendula hexapetala* Gilib., *Zbornik radova XVIII savetovanja o biotehnologiji*, Agronomski fakultet, Čačak (2013) p. 471-476.
26. J. Katanić, V. Mihailović, M. Koraćević-Maslak, **N. Stanković**, T. Boroja, M. Mladenović, Stability of dropwort root extract and its effect on lipid oxidation in meat, *Zbornik radova XIX savetovanja o biotehnologiji*, Agronomski fakultet, Čačak (2014) p. 239-244.
27. T. Boroja, V. Mihailović, J. Katanić, **N. Stanković**, M. Mladenović, *Alchemilla vulgaris* L. as a potential source of natural antioxidants, *Zbornik radova XIX savetovanja o biotehnologiji*, Agronomski fakultet, Čačak (2014) p. 233-237.

28. S. Matić, S. Stanić, M. Mladenović, **N. Stanković**, Genotoxic effect of the *Cotinus coggygia* Scop. methanol extract on *Drosophila melanogaster*, *Zbornik radova XX savetovanja o biotehnologiji*, Agronomski fakultet, Čačak (2015) p. 353-358.

DIDAKTIČKA SREDSTVA

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