

Projekat 175011 “Modifikatori biološkog odgovora u fiziološkim i patološkim stanjima”

Rukovodilac – naučni savetnik dr Zorica Juranić

Publikacije u 2014. godini:

Publikacije u okviru projekta 175011

I kategorija M21:

1. Krstić NM, Matić IZ, Juranić ZD, Novaković IT, Sladić DM. Steroid dimers-*in vitro* cytotoxic and antimicrobial activities. J Steroid Biochem Mol Biol 2014; 143:365-375.
2. Marković V, Debeljak N, Stanojković T, Kolundžija B, Sladić D, Vujčić M, Janović B, Tanić N, Perović M, Tešić V, Antić J, Joksović MD. Anthraquinone–chalcone hybrids: Synthesis, preliminary antiproliferative evaluation and DNA-interaction studies. Eur J Med Chem 2015; 89: 401-410.
3. Pantelić N, Stanojković TP, Zmejkovski BB, Sabo TJ, Kaluđerović GN. *In vitro* anticancer activity of gold(III) complexes with some esters of (S,S)-ethylenediamine-N,N'-di-2-propanoic acid. Eur J Med Chem 2015; 90:766-774.
4. Kosanić M, Ranković B, Stanojković T, Rančić A, Manojlović N. Cladonia lichens and their major metabolites as possible natural antioxidant, antimicrobial and anticancer agents. LWT - Food Sci Technol 2014; 59 (1): 518-525.
5. Leovac V, Rodić M, Jovanović Lj, Joksović M, Stanojković T, Vujčić M, Sladić D, Marković V, Vojinović-Ješić Lj. Transition metal complexes with 1-adamantoyl hydrazones. Part 2. Cytotoxic copper(II) complexes of tri- and tetra-dentate pyridine chelators containing adamantane ring system. Eur J Inorg Chem 2015; DOI:10.1002/ejic.201403050.

II kategorija M22:

1. Gómez-Ruiz S, Žižak Ž, Kaluđerović GN. Structural studies and cytotoxic activity against human cancer cell lines of mono and dinuclear tin(IV) complexes with the α,α' -dimercapto-o-xylene ligand. Inorg Chim Acta 2014; 423:117-122.
2. Kosanić M, Ranković B, Stanojković T, Vasiljević P, Manojlović N. Biological activities and chemical composition of lichens from Serbia. EXCLI J 2014; 13:1226-1238.

3. Kolundžija B, Marković V, Stanojković T, Joksović Lj, Matić I, Todorović N, Nikolić M, Joksović MD. Novel anthraquinone based chalcone analogues containing an imine fragment: Synthesis, cytotoxicity and anti-angiogenic activity. *Bioorg Med Chem Lett* 2014; 24:65-71.

III kategorija M23:

1. Rašković S, Matić IZ, Đorđić M, Damjanović A, Kolundžija B, Grozdanić-Stanisavljević N, Besu I, Jovičić Z, Bijelić B, Janković L, Juranić Z. Immunoreactivity to food antigens in patients with chronic urticaria. *Immunol Invest* 2014; 43:504-516.

2. Damjanović A, Matić IZ, Đorđić M, Đurović Nikolić M, Nikolić S, Roki K, Milovanović Z, Antić-Stanković J, Džodić R, Damjanović S, Kanjer K, Abu Rabi Z, Juranić Z. Metformin Effects on Malignant Cells and Healthy PBMC; The Influence of Metformin on the Phenotype of Breast Cancer Cells. *Pathol Oncol Res* 2014; DOI 10.1007/s12253-014-9864-9.

3. Kundaković T, Stanojković T, Kolundžija B, Marković S, Šukilović B, Milenković M, Lakušić B. Cytotoxicity and Antimicrobial Activity of the Essential Oil from *Satureja montana* subsp. *pisidica* (Lamiaceae). *Nat Prod Commun* 2014; 9:569-572.

4. Grujičić D, Stošić I, Kosanić M, Stanojković T, Ranković B, Milošević-Djordjević O. Evaluation of *in vitro* antioxidant, antimicrobial, genotoxic and anticancer activities of lichen *Cetraria islandica*. *Cytotechnology* 2014; 66:803-813.

5. Ranković B, Kosanić M, Manojlović N, Rančić A, Stanojković T. Chemical composition of *Hypogymnia physodes* lichen and biological activities of some its major metabolites. *Med Chem Res* 2014; 23:408-416.

6. Stanojković T, Konić-Ristić A, Kljajić Z, Grozdanić-Stanisavljević N, Srdić-Rajić T, Zdunić G, Šavikin K. Antioxidant, Antiplatelet and Cytotoxic Activity of *Cystoseira amentacea* from the coast of Montenegro (South-East Adriatic Sea). *Digest J Nanomater Bios* 2014; 9:869-880.

7. Vujić J, Kaluđerović G, Stanojković T, Antić J, Trifunović S. *In vitro* Antitumoral Activity of Palladium(II) and Platinum(II) Complexes with O,O'-Dialkyl esters of ethylene-bis(S)-Leucine. *Lett Drug Des Discov* 2014; 11:387-394.

8. Pantelić N, Zmejkovski B, Stanojković T, Jeftić V, Radić G, Trifunović S, Kaluđerović G, Sabo T. Synthesis and high *in vitro* cytotoxicity of some (S,S)-ethylenediamine-N,N'-di-2-propanoate dihydrochloride esters. *J Serb Chem Soc* 2014; 79:649-658.

9. Ranković B, Kosanić M, Stanojković T. Stereocaulon Paschale Lichen as Antioxidant, Antimicrobial and Anticancer Agent. *Farmacia* 2014; 62:306-317.

10. Tanasković S, Antonijević-Nikolić M, Hollo B, Dražić B, Stanojković T, Szecsenyi Katalin Meszaros, Vucković G. Correlations between the *in vitro* antiproliferative activity, structure and

thermal stability of some macrocyclic dinuclear Cu(II) complexes. J Serb Chem Soc 2014; 79:1235-1247.

11. Kosanić M, Ranković B, Stanojković T. Biological activities of two macroalgae from Adriatic coast of Montenegro. Saudi J Biol Sci 2014; doi:10.1016/j.sjbs.2014.11.004.

Publikacije saradnika na projektu 175011 koje ne pripadaju projektu

I kategorija M21:

1. Janković A, Eraković S, Mitrić M, Matić IZ, Juranić ZD, Tsui GCP, Tang CY, Mišković Stanković V, Rhee KJ, Park SJ. Bioactive hydroxyapatite/graphene composite coating and its corrosion stability in simulated body fluid. J Alloy Compd 2015; 624:148-157.

2. Juranić IO, Tošić AV, Kolundžija B, Drakulić BJ. Antiproliferative activity of the Michael adducts of acryloylacrylic acids and cyclic amines. Mol Divers 2014; 18:577-592.

3. Barroso S, Coelho AM, Gómez-Ruiz S, Calhorda MJ, Žižak Ž, Kaluđerović GN, Martinsa AM. Synthesis, cytotoxic and hydrolytic studies of titanium complexes anchored by a tripodal diamine bis(phenolate) ligand. Dalton Trans 2014; 43:17422-17433.

4. Čilerdžić J, Vukojević J, Stajić M, Stanojković T, Glamočlija J. Biological activity of *Ganoderma lucidum* basidiocarps cultivated on alternative and commercial substrate. J Ethnopharmacol 2014; 155:312-319.

5. Šavikin K, Zdunić, G, Janković T, Gođevac D, Stanojković T, Pljevljakušić D. Berry fruit teas: Phenolic composition and cytotoxic activity. Food Res Int 2014; 62: 677–683.

6. Protic M, Seibold F, Schoepfer A, Radojicic Z, Juillerat P, Bojic D, Mwinyi J, Mottet C, Jojic N, Beglinger C, Vavricka S, Rogler G, Frei P. The effectiveness and safety of rescue treatments in 108 patients with steroid-refractory ulcerative colitis with sequential rescue therapies in a subgroup of patients. J Crohns Colitis 2014; 8:1427-1437.

7. Mirjačić Martinović KM, Babović NLj, Džodić RR, Jurišić VB, Tanić NT, Konjević GM. Decreased expression of NKG2D, NKp46, DNAM-1 receptors, and intracellular perforin and STAT-1 effector molecules in NK cells and their dim and bright subsets in metastatic melanoma patients. Melanoma Res 2014; 24:295-304.

8. Markičević M, Džodić R, Buta M, Kanjer K, Mandušić V, Nešković-Konstantinović Z, Nikolić-Vukosavljević D. Trefoil factor 1 in early breast carcinoma: a potential indicator of clinical outcome during the first 3 years of follow-up. Int J Med Sci 2014; 11:663-673.

9. Milošević Z, Pešić M, Stanković T, Dinić J, Milovanović Z, Stojšić J, Džodić R, Tanić N, Banković J. Targeting RAS-MAPK-ERK and PI3K-AKT-mTOR signal transduction pathways to chemosensitize anaplastic thyroid carcinoma. *Transl Res* 2014; 164:411-423.
10. Stanojević B, Saenko V, Todorović L, Petrović N, Nikolić D, Živaljević V, Paunović I, Nakashima M, Yamashita S, Džodić R. Low VHL mRNA Expression is Associated with More Aggressive Tumor Features of Papillary Thyroid Carcinoma. *PLoS One* 2014; 9:e114511.
11. Vuletić AM, Jovanić IP, Jurišić VB, Milovanović ZM, Nikolić SS, Tanić NT, Konjević GM. *In vitro* activation of natural killer cells from regional lymph nodes of melanoma patients with interleukin-2 and interleukin-15. *Melanoma Res* 2015; 25:22-34.
12. Stojšić J, Stanković T, Stojković S, Milinković V, Dinić J, Milošević Z, Milovanović Z, Tanić N, Banković J. Prolonged survival after neoadjuvant chemotherapy related with specific molecular alterations in the patients with nonsmall-cell lung carcinoma. *Exp Mol Pathol* 2015; 98:27-32.
13. Klaus A, Kozarski M, Vunduk J, Todorović N, Jakovljević D, Žižak Ž, Pavlović V, Lević S, Nikšić M, Van Griensven L. Biological potential of extracts of the wild edible Basidiomycete mushroom *Grifola frondosa*. *Food Res Int* 2015; 67:272-283. DOI10.1016/j.foodres.2014.11.035

II kategorija M22:

1. Milošević Z, Tanić N, Banković J, Stanković T, Buta M, Lavrnić D, Milovanović Z, Pupiće G, Stojković S, Milinković V, Ito Y, Džodić R. Genetic alterations in quadruple malignancies of a patient with multiple sclerosis: their role in malignancy development and response to therapy. *Int J Clin Exp Pathol* 2014; 7:1826-1833.
2. Bešić N, Bešić H, Perić B, Pilko G, Petrić R, Zmuc J, Džodić R, Perhavec A. Surgical treatment of breast cancer in patients aged 80 years or older-how much is enough? *BMC Cancer* 2014; 14:700.
3. Milićević T, Kasapović J, Gavrilović Lj, Milovanović Z, Bajić V, Spremo-Potparević B. Mutant P53 Protein Expression and Antioxidant Status Deficiency in Breast Cancer. *EXCLI J* 2014; 13:691-708.
4. Nadrljanski M, Maksimović R, Plešinac-Karapandžić V, Nikitović M, Marković-Vasiljković B, Milošević Z. Positive enhancement integral values in dynamic contrast enhanced magnetic resonance imaging of breast carcinoma: ductal carcinoma in situ vs. invasive ductal carcinoma. *Eur J Radiol* 2014; 83:1363-1367.

III kategorija M23:

1. Zarlaha A, Kourkoumelis N, Stanojković TP, Kovala-Demertzi D. Cytotoxic activity of essential oil and extracts of *Ocimum basilicum* against human carcinoma cells. Molecular docking study of isoeugenol as a potent COX and LOX inhibitor. Digest J Nanomater Bios 2014; 9: 907 – 917.
2. Santrač N, Bešić N, Buta M, Oruci M, Đurišić I, Pupić G, Petrović L, Ito Y, Džodić R. Lymphatic drainage, regional metastases and surgical management of papillary thyroid carcinoma arising in pyramidal lobe—a single institution experience. Endocr J 2014; 61:55-59.
3. Nikolić S, Džodić R, Žegarac M, Đurišić I, Gavrilović D, Vojinović V, Kocić M, Santrač N, Radlović P, Radosavljević D, Pupić G, Martinović A. Survival prognostic factors in patients with colorectal peritoneal carcinomatosis treated with cytoreductive surgery and intraoperative hyperthermic intraperitoneal chemotherapy: a single institution experience. J BUON 2014; 19:66-74.
4. Koljević Marković A, Janković MM, Marković I, Pupić G, Džodić R, Delaloye AB. Parathyroid dual tracer subtraction scintigraphy: small regions method for quantitative assessment of parathyroid adenoma uptake. Ann Nucl Med 2014; 28:736-745.
5. Džodić R, Buta M, Marković I, Gavrilović D, Matović M, Djurišić I, Milovanović Z, Pupić G, Tasić S, Bešić N. Surgical management of well-differentiated thyroid carcinoma in children and adolescents: 33 years of experience of a single institution in Serbia. Endocr J 2014; 61:1079-1086.
6. Djurić-Stefanović A, Šaranović D, Micev M, Stanković V, Plešinac-Karapandžić V, Pesko P, Stojakov D, Sabljak P, Bjelović M. Does the computed tomography perfusion imaging improve the diagnostic accuracy in the response evaluation of esophageal carcinoma to the neoadjuvant chemoradiotherapy? Preliminary study. J BUON 2014; 19:237-244.

IV kategorija M13:

1. Tatjana Stanojković Chapter 5: Investigations of Lichen Secondary Metabolites with Potential Anticancer Activity, pp 127-146, Springer, Book, Lichen Secondary Metabolites, Bioactive Properties and Pharmaceutical Potential Ranković, Branislav (Ed.) 2015, V, 202 p. 9 illus., 7 illus. in color. ISBN 978-3-319-13373-7 Due: Jan 2015.