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| Name and Surname  | Milena Vukić |
| Title | Research Associate |
| Name of the institution where the teacher works full time and since when | Department of Chemistry, Faculty of Science, University of Kragujevac | 2015. |
| Scientific or artistic field expertise | Chemistry |
| Academic career |
|  | Year | Institution | Field |
| Election to the title | 2021. | Department of Chemistry, Faculty of Science, University of Kragujevac, Serbia | Chemistry |
| Ph.D. | 2020. | Department of Chemistry, Faculty of Science, University of Kragujevac, Serbia | Biochemistry |
| M.Sc. | 2014. | Department of Chemistry, Faculty of Science, University of Kragujevac, Serbia | Chemistry, Research and development |
| B.Sc. | 2013. | Department of Chemistry, Faculty of Science, University of Kragujevac, Serbia | Chemistry, Research and development |
| Representative references |
|  | Nenad L. Vukovic, Ana D. Obradovic, **Milena D. Vukic**, Danijela Jovanovic, Predrag M. Djurdjevic, Cytotoxic, proapoptotic and antioxidative potential of flavonoids isolated from propolis against colon (HCT-116) and breast (MDA-MB-231) cancer cell lines. Food Research International, (2017) vol 106, 71-80; DOI: 10.1016/j.foodres.2017.12.056; ISSN: 0963-9969; (IF 4.196 за 2017, M21a, Food Science & Technology 11/133) |
|  | **Milena D. Vukic**, Nenad L. Vukovic, Gorica T. Djelic, Ana Obradovic, Miroslava M. Kacaniova, Snezana Markovic, Suzana Popović, Dejan Baskić, Phytochemical analysis, antioxidant, antibacterial and cytotoxic activity of different plant organs of Eryngium serbicum L. Industrial Crops & Products, (2018) vol 115, 88–97; DOI: https://doi.org/10.1016/j.indcrop.2018.02.031; ISSN: 0926-6690; (IF 3.849 за 2017, M21a, Agronomy 6/87) |
|  | Edina H. Avdović, Dejan Milenković, Jasmina M. Dimitrić Marković, Jelena Đorović, Nenad Vuković, **Milena D. Vukić**, Verica V. Jevtić, Srećko R. Trifunović, Ivan Potočňák, Zoran Marković, Synthesis, spectroscopic characterization (FT-IR, FT-Raman, and NMR), quantum chemical studies and molecular docking of 3-(1-(phenylamino)ethylidene)-chroman-2,4-dione. Spectrochimica Acta. Part A: Molecular and Biomolecular Spectroscopy, (2018) vol 195, 31-40; DOI: https://doi.org/10.1016/j.saa.2018.01.023; ISSN: 1386-1425; (IF 2.880 за 2017, M21, Spectroscopy 7/43) |
|  | **Milena D Vukic**, Nenad L Vukovic, Gorica T Djelic, Suzana Lj Popovic, Milan M Zaric, Dejan D Baskic, Gordana B Krstic, Vele V Tesevic, Miroslava M Kacaniova, Antibacterial and cytotoxic activities of naphthoquinone pigments from Onosma visianii Clem. Excli Journal, (2017) vol 16, 73-78; DOI: http://dx.doi.org/10.17179/excli2016-762; ISSN: 1611-2156; (IF 2.424 за 2017, M21, Biology 24/85) |
|  | Zeljko Todorovic, Jelena Milovanovic, Dragana Arsenijevic , Nenad Vukovic**, Milena Vukic**, Aleksandar Arsenijevic , Predrag Djurdjevic, Marija Milovanovic, Nebojsa Arsenijevic, Shikonin Derivatives from Onsoma visianii Decrease Expression of Phosphorylated STAT3 in Leukemia Cells and Exert Antitumor Activity. Nutrients, (2021), vol 13 no 4, pp 1147; DOI: https://doi.org/10.3390/nu13041147; ISSN: 2072-6643; (IF 4.546 за 2019, M21, Nutrition & Dietetics 17/89) |
|  | **Milena D. Vukic**, Nenad L. Vukovic, Suzana Lj. Popovic, Danijela V. Todorovic, Predrag M. Djurdjevic, Sanja D. Matic, Marina M. Mitrovic, Ana M. Popovic, Miroslava M. Kacaniova, Dejan D.Baskic, Effect of β-cyclodextrin encapsulation on cytotoxic activity of acetylshikonin against HCT-116 and MDA-MB-231 cancer cell lines. Saudi Pharmaceutical Journal, (2020), vol 28, pp 136-146; DOI: https://doi.org/10.1016/j.jsps.2019.11.015; ISSN: 1319-0164; (IF 3.643за 2018, M21, Pharmacology & Pharmacy 65/267) |
|  | Edina H. Avdović, Isidora P. Petrović,Milena J. Stevanović, Luciano Saso, Jasmina M. Dimitrić Marković, Nenad D. Filipović,Miroslav Ž. Živić, Tijana N. Cvetić Antić, Milan V. Žižić, Nataša V. Todorović, **Milena Vukić**, Srećko R. Trifunović and Zoran S. Marković, Synthesis and Biological Screening of New 4-Hydroxycoumarin Derivatives and Their Palladium(II) Complexes. Oxidative Medicine and Cellular Longevity, (2021), vol 2021, Article ID 8849568, 18 pages; DOI: https://doi.org/10.1155/2021/8849568; ISSN: 1942-0900; (IF 5.076 за 2019, M21, Cell Biology 56/195) |
|  | Lucia Galovicova, Petra Borotová, Veronika Valková, Nenad L. Vukovic, **Milena Vukic**, Margarita Terentjeva, Jana Štefániková, Hana Dúranová, Przemysław Łukasz Kowalczewski and Miroslava Kacaniova. Thymus serpyllum Essential Oil and Its Biological Activity as a Modern Food Preserver. Plants, (2021), vol 10, no 7, pp 1416; DOI: https://doi.org/10.3390/plants10071416; ISSN: 2223-7747; (IF 3.935 за 2020, M21, Plant Science 47/235) |
|  | Lucia Galovičová, Petra Borotová, Veronika Valková, Nenad L. Vukovic, **Milena Vukic**, Jana Štefániková, Hana Ďúranová, Przemysław Łukasz Kowalczewski, Natália Čmiková and Miroslava Kačániová. Thymus vulgaris Essential Oil and Its Biological Activity. Plants, (2021), vol 10, no 9, pp 1959; DOI: https://doi.org/10.3390/plants10091959; ISSN: 2223-7747; (IF 3.935 за 2020, M21, Plant Science 47/235 |
|  | Miroslava Kačániová, Lucia Galovičová, Petra Borotová, Veronika Valková, Hana Ďúranová, Przemysław Łukasz Kowalczewski, Hussein A. H. Said-Al Ahl, Wafaa Hikal, **Milena Vukic**, Tatsiana Savitskaya, Dmitry Grinspan, Nenad L. Vukovic. Chemical Composition, In Vitro and In Situ Antimicrobial and Antibiofilm Activities of Syzygium aromaticum (clove) Essential Oil. Plants, (2021), vol 10, no 10, 2185; DOI: https://doi.org/10.3390/plants10102185; ISSN: 2223-7747; (IF 3.935 за 2020, M21, Plant Science 47/235) |
|  | Simona Kunová, Esther Sendra, Peter Haščík, Nenad L. Vukovic, **Milena Vukic** and Miroslava Kačániová. Influence of Essential Oils on the Microbiological Quality of Fish Meat during Storage. Animals, (2021) vol 11, no 11, pp 3145; DOI: https://doi.org/10.3390/ani11113145; ISSN: 2076-2615; (IF 2.752 за 2021, M21, Agriculture, Dairy & Animal Science 13/63) |
|  | Veronika Valková, Hana Dúranová, Lucia Galovicová, Petra Borotová, Nenad L. Vukovic, **Milena Vukic** and Miroslava Kacániová. Cymbopogon citratus Essential Oil: Its Application as an Antimicrobial Agent in Food Preservation. Agronomy (Basel), (2022) vol 12, no 1, 155, 1-24; DOI: https://doi.org/10.3390/agronomy12010155; ISSN: 2073-4395; (IF 3.417 за 2020, M21, Plant Sciences 57/235) |
|  | Dejan Simic, Milan Zaric, Ivana Nikolic, Radica Zivkovic Zaric, Petar Canovic, Aleksandar Kocovic, Ivana Radojevic, Ivana Rakovic, Sandra Jovicic Milic, Djordje Petrovic, Danijela Stojkovic, Nenad Vukovic, Miroslava Kačániová, **Milena Vukic** and Verica Jevtic. Newly synthesized palladium(II) complexes with aminothiazole derivatives: In vitro study of antimicrobial activity and antitumor activity on human prostate cancer cell line. Dalton Transactions, (2021) vol 51, pp 1191-1205; DOI: https://doi.org/10.1039/D1DT03364F; ISSN:477-9226; (IF 4.390 за 2021, M21, Chemistry, Inorganic & Nuclear 8/45) |
|  | Edina H. Avdovic, Danijela L.J. Stojkovic, Verica V. Jevtic, Milica Kosic Biljana Ristic, Ljubica Harhaji-Trajkovic, **Milena Vukic**, Nenad Vukovic, Zoran S. Markovic, Ivan Potocnják, Srecko R.Trifunovic. Synthesis, characterization and cytotoxicity of a new palladium(II) complex with a coumarin-derived ligand 3-(1-(3-hydroxypropylamino) ethylidene)chroman-2,4-dione. Crystal structure of the 3-(1-(3- hydroxypropylamino)ethylidene)-chroman-2,4-dione. Inorganica Chimica Acta, (2017) vol 466, 188-196; DOI: 10.1016/j.ica.2017.06.015; ISSN: 0020-1693; (IF 2.264 за 2017, M22, Chemistry, Inorganic and Nuclear 16/45) |
|  | **Milena D. Vukic**, Nenad L. Vukovic, Ana D. Obradovic, Suzana Lj. Popovic, Milan M. Zaric, Predrag M. Djurdjevic, Snezana D. Markovic, Dejan D. Baskic. Naphthoquinone rich Onosma visianii Clem (Boraginaceae) root extracts induce apoptosis and cell cycle arrest in HCT-116 and MDA-MB-231 cancer cell lines. Natural Product Research, (2018) vol 32, br. 22, pp 2712-2716; DOI: https://doi.org/10.1080/14786419.2017.1374271; ISSN: 1478-6419; (IF 1.928 за 2017, M22, Chemistry, Applied 33/72) |
|  | Ana Obradović, Miloš Matić, Branka Ognjanović, Nenad Vuković, **Milena Vukić**, Predrag Djurdjevic, Gordana Ušćumlić, Bojan Božić, Biljana Božić Nedeljković. Anti-Tumor Mechanisms of Novel 3-(4-Substituted Benzyl)-5-Isopropil-5-Phenylhydantoin Derivatives in Human Colon Cancer Cell Line. Anti-Cancer Agents in Medicinal Chemistry, (2019) vol 19 br. (12):1491-1502; DOI: 10.2174/1871520619666190425180610; ISSN: 1871-5206; (IF 2.556 за 2017, M22, Chemistry, Medicinal) |
|  | **Milena D. Vukic**, Nenad L. Vukovic, Ana Obradovic, Milos Matic, Maja Djukic, Edina Avdovic. Redox status, DNA and HAS binding study of naturally occurring naphthoquinone derivatives. Excli Journal, (2020), vol 19, pp 48-70; DOI: http://dx.doi.org/10.17179/excli2019-1859; ISSN: 1611-2156; (IF 2.112 за 2018, M22, Biology 31/87) |
|  | Marina Radović Jakovljević, Darko Grujičić, Jovana Tubić Vukajlović, Aleksandra Marković. Milena Milutinović, Milan Stanković, Nenad Vuković**, Milena Vukić**, Olivera Milošević-Djordjević. In vitro study of genotoxic and cytotoxic activities of methanol extracts of Artemisia vulgaris L. and Artemisia alba Turra. South African Journal of Botany, (2020) vol 132, pp 117-126; DOI: https://doi.org/10.1016/j.sajb.2020.04.016; ISSN: 0254-6299; (IF 1.504 за 2018, M22, Plant Sciences 112/228) |
|  | Veronika Valkova, Hana Duranova, Lucia Galovicova, Nenad L. Vukovic, **Milena Vukic**, and Miroslava Kacaniova. In Vitro Antimicrobial Activity of Lavender, Mint, and Rosemary Essential Oils and the Effect of Their Vapours on Growth of Penicillium spp. in a Bread Model System. Molecules, (2021), vol 26, 3859; DOI: https:// doi.org/10.3390/molecules26133859; ISSN: 1420-3049; (IF 3.267 за 2019, M22, Biochemistry & Molecular Biology 142/297) |
|  | Nenad Vukovic, **Milena Vukic**, Gorica Djelic, Jana Hutkova and Miroslava Kacaniova, Chemical Composition and Antibacterial Activity of Essential Oils of Various Plant Organs of Wild Growing Nepeta cataria from Serbia. Journal of Essential Oil Bearing Plants, (2016) vol. 19, no 6, pp 1404-1412; DOI: 10.1080/0972060X.2016.1211965; ISSN: 0972-060X; (IF 0.439 за 2016, М23, Plant Sciences 183/211) |
|  | Danijela Stojković, Alessia Bacchi, Davide Capucci, Milica R Milenković, Božidar Čobeljić, Srećko Trifunović, Katarina Anđelković, Verica V Jevtić, Nenad Vuković, **Milena Vukić**, Dušan Sladić. Synthesis and characterization of palladium(II) complexes with glycine coumarin derivatives. Journal of Serbian Chemical Society, (2016) vol 81, no 12, pp 1383–1392; DOI: 10.2298/JSC160915087S; ISSN: 0352-5139; (IF 0.970 зa 2016, M23, Chemistry, Multidisciplinary, 131/166) |
|  | D. Lj. Stojković, V. V. Jevtić, N. Vuković, **M. Vukić**, I. Potočňák, I. R. Zelen, M. M. Zarić, M. M. Mišić, D. Baskić, G. N. Kaluđerović, S. R. Trifunović. Crystal and molecular structure of a new palladium(II) complex with a coumarin-valine derivate. Journal of Structural Chemistry, (2017) vol. 58, no 3, 550-557; DOI: 10.1134/S0022476617030179; ISSN: 0022-2860; (IF 0.472 зa 2017, M23, Chemistry, Physical, 46/46) |
|  | Danijela Lj Stojković, Verica V. Jevtić, Nenad Vuković, **Milena Vukić**, Petar Čanović, Milan M. Zarić, Milena M. Mišić, Dragče M. Radovanović, Dejan Baskić, Srećko R. Trifunović. Synthesis, characterization, antimicrobial and antitumor reactivity of new palladium(II) complexes with methionine and tryptophane coumarine derivatives. Journal of Molecular Structure, (2018) vol. 1157, pp 425-433; DOI: 10.1016/j.molstruc.2017.12.095; ISSN: 1573-8779; (IF 1.753 зa 2017, M23, Chemistry, Inorganic & Nuclear, 91/146) |
| Aggregate data on scientific and artistic and professional activities of teachers, respectively |
| Total number of citations | Science Citation Index, Web of Science | 154 |
| Scopus | 173 |
| Total number of papers with SCI or (SSCI) in the last 10 years | **28** |
| Current participation in projects | 2 | National | **2** |
| International |  |
| Training  |  |
| Other relevant data |  |