

KATEDRA ZA PRIRODNO-MATEMATIČKE PREDMETE U FARMACIJI	
2016	
Objavljeni radovi	
1.	Huremović M, Srabović M, Pehlić E, Salihović M , Nuhanović M, Huseinović E, Taletović A. Solubilization of fexofenadine hydrochloride using surfactants. <i>European Journal of Scientific Research</i> , 2016, 139 (1): 21-29
2.	Salihović M , Šapčanin A, Špirtović-Halilović S, Završnik D. DFT structural analysis of chamazulene. <i>Glasnik hemičara i tehnologa Bosne i Hercegovine</i> , 2016, 46: 27-32. (Chemical Abstracts, CAS®, EBSCO).
3.	Šapčanin A, Čakal M, Imamović B, Salihović M , Pehlić E, Jačimović Z, Jančan G. Herbicide and pesticide occurrence in soils of children playgrounds in Sarajevo, Bosnia and Herzegovina, 2016, 188:450. <i>Environmental Monitoring and Assessment</i> (Current Contents Connect®)
4.	Špirtović-Halilović S, Salihović M , Osmanović A, Veljović E, Nuhanović M, Završnik D. Antioxidant Activity of 2,6,7-Trihydroxy-9-(4-hydroxyphenyl)xanthen-3-ones: Theoretical Investigation of Substituents Effects. <i>Journal of Chemical, Biological and Physical Sciences India</i> , 2016, 7 (1): 1-9. (Chemical Abstracts, CAS®, EBSCO)
5.	Veljović E, Špirtović-Halilović S, Kahrović, E, Roca S, Novaković I, Osmanović A, Salihović M , Alagić D, Hastor B, Ljubunčić D, Završnik D. Solvent-free Synthesis and Antibacterial Activity of 14-Aryl Substituted Dibenzoxanthene Derivatives. <i>Glasnik hemičara i tehnologa Bosne i Hercegovine</i> , 2016, 46: 33-38. (Chemical Abstracts, CAS®, EBSCO)
Radovi prezentirani na međunarodnim i domaćim kongresima i simpozijumima	
1.	Šapčanin A, Pehlić E, Smajović A, Imamović B, Salihović M . Health risk assessment for soils of playgrounds in Sarajevo city, Bosnia and Herzegovina. <i>XI Conference of chemists, technologists and environmentalists of the Republic of Srpska. 18 – 19 Novembar 2016 Teslić, BiH</i>
2.	Šapčanin A, Pehlić E, Smajović A, Salihović M , Imamović B. Heavy metals occurrence in soils of playgrounds in Sarajevo city, Bosnia and Herzegovina. <i>XI Conference of chemists, technologists and environmentalists of the Republic of Srpska. 18 – 19 Novembar 2016 Teslić, BiH</i>
3.	Šapčanin A, Šahić A, Salihović M , Pehlić E. Free radicals, metals and antioxidants in oxidative stress. <i>XI Conference of chemists, technologists and environmentalists of the Republic of Srpska. 18 – 19 Novembar 2016 Teslić, BiH</i>
4.	Šapčanin A, Salihović M , Pehlić E. TLC and HPTLC determination of amino acid content in wild and grown mushrooms from Bosnia. <i>XI Conference of chemists, technologists and environmentalists of the Republic of Srpska. 18 – 19 Novembar 2016 Teslić, BiH</i>
5.	Salihović M , Osmanović A, Špirtović-Halilović S, Veljović E, Roca S, Šapčanin A, Završnik D. Novel C-5 hydroxypropyl pyrimidine nucleosides: synthesis and structural characterization. <i>2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. 21 – 23 Oktobar 2016 Sarajevo, BiH</i>
6.	Špirtović-Halilović S, Salihović M , Osmanović A, Veljović E, Nuhanović M, Završnik D. Antioxidant Activity of some xanthen-3-ones: Theoretical Investigation of Substituents. <i>2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. 21 – 23 Oktobar 2016 Sarajevo, BiH</i>

Naučna i istraživačka djelatnost- DOC.DR.MIRSADA SALIHOVIĆ

7.	Šapčanin A, Čakal M, Pehlić E, Salihović M. Qualitative and quantitative determination of different pesticides in playground soils of Sarajevo. <i>XI meeting of young chemical engineers. 18 – 19 Februar, 2016 Zagreb, Hrvatska.</i>
8.	Šapčanin A, Salihović M. , Alispahić A, Dedić A, Ramić E, Pehlić E. (2016). Determination of free amino acids in mushrooms from Bosnia using TLC and spectrophotometric method. <i>XI meeting of young chemical engineers. 18 – 19 Februar, 2016 Zagreb, Hrvatska.</i>

Predavanja po pozivu-ostalo

1.	Šapčanin A, Čakal M, Pehlić E, Salihović M. Qualitative and quantitative determination of different pesticides in playground soils of Sarajevo. <i>XI meeting of young chemical engineers. 18 – 19 Februar, 2016 Zagreb, Hrvatska.</i>
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2015

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1.	Alispahić, A., Šapčanin, A., Salihović, M. , Ramić, E., Dedić, A., Pazalja, M. Phenolic content and antioxidant activity of mushroom extracts from Bosnian market. <i>Glas. hem. tehnol. Bosne Hercege</i> , 2015, 44, 5-8. (<i>Chemical Abstract</i>)
2.	Salihović M. , Osmanović A., Špirtović-Halilović S., Roca S., Meščić A., Vujisić, L., Trifunović S., Završnik D., Sofić, E. Synthesis, structural, conformational and DFT studies of <i>N</i> -3 and <i>O</i> -4 alkylated regioisomers of 5-(hydroxypropyl) pyrimidine. <i>Journal of Molecular Structure</i> , 2015, 1091, 170-176. (<i>Web of Science®- Current Contents</i>)
3.	Salihovic M. , Šapčanin A. Theoretical and Experimental UV-Vis Spectroscopic Analysis Of Chamazulene. <i>1st Conference on Medical and Biological Engineering in Bosnia and Herzegovina</i> , Sarajevo, 2015, 13-15. Proceedings, 123-126

Radovi prezentirani na međunarodnim i domaćim kongresima i simpozijumima

1.	Salihović, M. , Osmanović, A., Roca, S., Špirtović-Halilović, S., Završnik, D. IR Spectra: A comparative analysis of <i>N</i> -3 and <i>O</i> -4 alkylated regioisomers of 5-(hydroxypropyl)pyrimidine. <i>III KONGRES FARMACEUTA Bosne i Hercegovine sa međunarodnim učešćem; Pharmacia</i> , 2015, 10-P-10, 18(1):169-185
2.	Špirtović-Halilović, S., Veljović, E., Novaković, I., Roca, S., Osmanović, A., Salihović, M. , Kahrović, E., Završnik, D. 14-(4-(trifluoromethyl)phenyl)14H-dibenzo (a,j) xanthenes: Synthesis, structure and antimicrobial activity. <i>III KONGRES FARMACEUTA Bosne i Hercegovine sa međunarodnim učešćem; Pharmacia</i> , 2015, 9-P-3, 18(1):159-165 Salihović M. , Šapčanin A. Theoretical and Experimental UV-Vis Spectroscopic Analysis Of Chamazulene. <i>1st Conference on Medical and Biological Engineering in Bosnia and Herzegovina</i> , 2015, Book of Abstracts, 52, Sarajevo, BiH
3.	Alispahić A., Šapčanin A., Ramić E., Dedić A., Salihović M., Pazalja M. Qualitative and quantitative analysis of free amino acids in mushrooms. <i>24. Croatian meeting of</i>

Naučna i istraživačka djelatnost- DOC.DR.MIRSADA SALIHOVIĆ

	<i>chemists and chemical engineering</i> , Book of Abstracts, 2015, PP-198, Zagreb, Hrvatska
4.	Šapčanin A., Alispahić A., Dedić A., Ramić E., Salihović M. , Pazalja M. Total phenols, anthocyanins and antioxidant activity of selected edible plants. 24. <i>Croatian meeting of chemists and chemical engineering</i> . Book of Abstracts, 2015, PP-199, Zagreb, Hrvatska
Predavanja po pozivu-ostalo	
1.	Salihović M. , Šapčanin A. Theoretical and Experimental UV-Vis Spectroscopic Analysis Of Chamazulene. <i>1st Conference on Medical and Biological Engineering in Bosnia and Herzegovina</i> , 13-15 Mart 2015, Sarajevo, BiH
2014	
Objavljeni radovi	
1.	Špirtović-Halilović, S., Salihović, M. , Veljović, E., Osmanović, A., Trifunović, S., Završnik, D. Chemical reactivity and stability predictions of some coumarins by means of DFT calculations. <i>Glas. hem. tehnol. Bosne Herceg</i> , 2014, 43, 57-60. (Chemical Abstract)
2.	Salihović, M. , Šapčanin A., Pazalja M, Alispahić A, Dedić A., Ramić E. Determination of Caffeine in Different Commercially Available Green and Black Tea. <i>Glas. hem. tehnol. Bosne Herceg</i> , 2014, 43, 1-4. (Chemical Abstract)
3.	Ibragić, S., Salihović, M. , Tahirović, I., Toromanović, J. Quantification of some phenolic acids in the leaves of <i>Melissa officinalis</i> L. from Turkey and Bosnia. <i>Glas. hem. tehnol. Bosne Herceg</i> , 2014, 42, 47-50. (Chemical Abstract)
4.	Salihović, M. , Huseinović, Š., Špirtović-Halilović, S., Osmanović, A., Dedić, A., Ašimović, Z., Završnik, D. DFT Study and Biological Activity of Some Methylxanthines. <i>Glas. hem. tehnol. Bosne Herceg</i> , 2014, 42, 31-36. (Chemical Abstract)
5.	Špirtović-Halilović, S., Salihović, M. , Trifunović, S., Roca, S., Veljović, E., Osmanović, A., Vinković M., Završnik, D. Density functional theory: ¹ H and ¹³ C-NMR spectra of some coumarin derivatives. <i>Journal of the Serbian Chemical Society</i> , 2014, 79 (0) 1–12. (Web of Science®-SCI Expanded)
6.	Špirtović-Halilović, S., Salihović, M. , Džudžević-Čančar, H., Trifunović, S., Roca, S., Softić, Dz., Završnik, D. DFT study and microbiology of some coumarin-based compounds containing a chalcone moiety. <i>Journal of the Serbian Chemical Society</i> , 2014, 79(4), 435-443. (Web of Science®-SCI Expanded)
Radovi prezentirani na međunarodnim i domaćim kongresima i simpozijumima	
1.	Špirtović-Halilović S., Salihović M. , Veljović E., Osmanović A., Trifunović S., Završnik D. Chemical reactivity and stability predictions of some coumarins using Spartan software. <i>Congress of Chemists and Chemical Engineers, CCCE B&H</i> . Book of abstracts poster presentations 2014, PP-PTC-03, Sarajevo, Bosna i Hercegovina
2.	Špirtović-Halilović S., Salihović M. , Osmanović A., Veljović E., Trifunović S., Roca S., Ašimović Z., Završnik D. DFT study of guaiazulene. <i>Congress of Chemists and Chemical Engineers, CCCE B&H</i> . Book of abstracts poster presentations 2014, PP-PTC-02, Sarajevo, Bosna i Hercegovina.
3.	Subašić M., Buza N., Salihović M. , Toromanović J., Tahirović I. Identification of

Naučna i istraživačka djelatnost- DOC.DR.MIRSADA SALIHOVIĆ

	Proline in Honey Using HPLC-ED Method. <i>Congress of Chemists and Chemical Engineers, CCCE B&H</i> . Book of abstracts poster presentations 2014, PP-BB-10, Sarajevo, Bosna i Hercegovina.
4.	Šapčanin A., Alispahić A., Salihović M. , Pazalja M., Ramić E., Dedić A. Antioxidant status of various mushrooms commercially available from Bosnian market. <i>Congress of Chemists and Chemical Engineers, CCCE B&H</i> . Book of abstracts poster presentations 2014, PP-AEC-04, Sarajevo, Bosna i Hercegovina.
5.	Salihović M. , Šapčanin A., Pazalja M., Alispahić A., Dedić A., Ramić E. Determination of caffeine in green and black tea. <i>Congress of Chemists and Chemical Engineers, CCCE B&H</i> . Book of abstracts poster presentations 2014, PP-AEC-03, Sarajevo, Bosna i Hercegovina
6.	Pazalja M., Šapčanin A., Alispahić A., Salihović M. , Ramić E., Dedić A. Total sulphur content in different plant samples determined by High Performance Ion Chromatography (HPIC) method. <i>Congress of Chemists and Chemical Engineers, CCCE B&H</i> . Book of abstracts poster presentations 2014, PP-AEC-02, Sarajevo, Bosna i Hercegovina
7.	Alispahić A., Šapčanin A., Salihović M. , Pazalja M., Dedić A., Ramić E. Qualitative and quantitative analysis of free amino acids in plant extracts. <i>Congress of Chemists and Chemical Engineers, CCCE B&H</i> . Book of abstracts poster presentations 2014, PP-AEC-01, Sarajevo, Bosna i Hercegovina
8.	Copra-Janicijevic A., Ibragic S., Salihovic M. , Huseinovic S., Muradic S., Safic E. Fluorimetric determination of L-ascorbic acid in different Allium Sp. <i>8th Conference on Medicinal and Aromatic Plants of Southeast European Countries</i> , Book of abstracts 2014, PP 223, Durrës, Albania
9.	Huseinovic S., Duric K., Ibragic S, Salihovic M. , Tahirovic I., Sofic E. Biophysical and biochemical study of the mucilage extracted from okra fruits, hibiscus esculentus L. (Malvaceae). <i>8th Conference on Medicinal and Aromatic Plants of Southeast European Countries</i> , Book of abstracts 2014, PP 221, Durrës, Albania
10.	Ibragic S., Salihovic M. Sofic E. (2014). Total phenolic in selected culinary and medicinal herbs. <i>8th Conference on Medicinal and Aromatic Plants of Southeast European Countries</i> , Book of abstracts 2014, PP 169, Durrës, Albania
11.	Sunčica Roca, Selma Špirtović-Halilović, Sandra Radović-Radović, Mirsada Salihović , Elma Veljović, Amar Osmanović i Davorka Završnik. NMR characterization of some novel derivatives of 4 hidroxicoumarins and evidence for intramolecular hydrogen bonding. <i>X Susret mladih kemijskih inženjera</i> , 20 – 21 Februar 2014, Knjiga sažetaka, 50. Zagreb, Hrvatska,