


## LIČNE INFORMACIJE

**Dr Ismet Tahirović**

 Dr Fetaha Bećirbegovića 8A, Sarajevo 71 000, Bosna i Hercegovina

 +387 61 83 60 01

 [itah@pmf.unsa.ba](mailto:itah@pmf.unsa.ba)

Datum rođenja: 22. 03. 1968.

Mjesto rođenja: Cazin, Bosna i Hercegovina

Državljanstvo: bosanskohercegovačko

Bračni status: oženjen

ORCID

[0000-0001-5799-0218](https://orcid.org/0000-0001-5799-0218)



[AAF-5650-2019](https://publons.com/id/5650219)



Citiranost: 706 (21. mart 2021)

h-indeks: 15


i10-indeks: 17

## ZAPOSLLENJE

**Prirodno-matematički fakultet Univerziteta u Sarajevu**


Odsjek za hemiju, Katedra za organsku hemiju i biohemiju


Laboratorija za prirodne produkte

 Zmaja od Bosne 35, 71 000 Sarajevo, Bosna i Hercegovina

Kabinet: 233/II

**Redovni profesor za oblasti *Organska hemija i Biohemija***

 +387 33 27 99 05

 [itah@pmf.unsa.ba](mailto:itah@pmf.unsa.ba)

## RADNO ISKUSTVO

- od 29.05.2018. Redovni profesor za oblasti *Organska hemija i Biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina
- 2013 – 2018. Vanredni profesor za oblasti *Organska hemija i Biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina
- 2008 – 2013. Docent za oblasti *Organska hemija i Biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina
- 2001 – 2008. Viši asistent za oblast *Organska hemija i biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina
- 1997 – 2001. Asistent za oblast *Organska hemija i biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina
- Iskustvo u nastavi** Redovni profesor, vanredni profesor i docent za oblasti *Organska hemija i Biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina na predmetima

I ciklusa studija:

- Bioanalitička hemija, Biohemija I, Biohemija II, Hemija makromolekula, Hemija reaktivnih nitrogenovih jedinjenja, Biohemija prehrane, Polimerni

otpad i njegovo zbrinjavanje, Fizikalna biohemija, Organska hemija I, Organska hemija II, Mehanizmi organskih reakcija.

II ciklusa studija:

- Biohemija sa kliničkim korelacijama, Neurohemija, Imunohemija, Biohemija prehrane-odabrana poglavlja, Moderne instrumentalne metode u organskoj hemiji, Separacione metode u organskoj hemiji.

III ciklusa studija:

- Biomarkeri lipidne peroksidacije, Hormoni i neurotransmiteri u humanom organizmu, Odabrane bioanalitičke metode.

Saradnik na izvođenju laboratorijskih vježbi za oblast *Organska hemija i biohemija*.

#### Iskustvo u istraživanjima

- Određivanje parametara oksidativnog stresa u eksperimentalnim modelima diabetes mellitusa tipa 2 i u postmortem moždanim tkivima osoba sa neurodegeneracijama, kao što su Alzheimerova i Parkinsonova bolest;
- Određivanje biomarkera lipidne peroksidacije u humanim i uzorcima životinjskog porijekla primjenom derivacione UV/Vis spektrofotometrije.

#### OBRAZOVANJE

- 2004 - 2007 **Doktor hemijskih nauka**, Prirodno-matematički fakultet Univerziteta u Sarajevu  
Doktorska disertacija: „Primjena fluorescentne metode sa fluoresceinom i  $\beta$ -pikoeitriinom u mjerenju totalnog antioksidativnog kapaciteta moždanog tkiva čovjeka“, mentor: Prof. dr. emeritus Emin Sofić.
- 1997 – 2001 **Magistar hemijskih nauka**, Prirodno-matematički fakultet Univerziteta u Sarajevu  
Magistarski rad: „Kolorimetrijska metoda praćenja inhibicije butirilholinesteraze uzrokovane organofosfatnim pesticidom“, mentor: akademik Prof. dr. Zdravko Pujić.
- 1988 – 1997 **Diplomirani inženjer hemije**, „Kompleksi Mo(V) sa N-alkil supstituiranim salicilideniminima“, mentor: Prof. dr. Emiora Kahrović
- 1983 – 1987 „Hemijski tehničar-analitičar“, Srednjoškolski centar „Ibrahim Perviz“ Cazin.
- 1975 – 1983 Osnovna škola „Gornja Koprivna“ Cazin.

#### LIČNE VJEŠTINE

Maternji jezik Bosanski jezik

Ostali jezici	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
Engleski jezik	B2.2	B2.2	B2.2	B2.2	B2.2
Certifikat o poznavanju engleskog jezika: Centar za strane jezike, Sarajevo					

Njemački jezik	A2	A2	A2	A2	A2
Stepeni: A1/2: Početnik – B1/2: Samostalni korisnik – C1/2 Iskusni korisnik Zajednički europski referentni okvir za jezike					
Rad na računaru	▪ Microsoft Office™ ▪ hemijski softveri				
Vozačka dozvola	▪ B, C i E kategorija				

**Usavršavanja**  
 april - juni 2008 Pedagoško obrazovanje nastavnika i saradnika, Univerzitet u Sarajevu

**Učešće u projektima** Voditelj dva naučno-istraživačka projekta

Naziv projekta *„Korelacije antioksidativne aktivnosti, sadržaja ukupnih fenola i ukupnih proteina u uzorcima bosansko-hercegovačke matične mliječi“*  
 Tip projekta *Domaći istraživački*  
 Finansijer *Federalno ministarstvo obrazovanja i nauke BiH*  
 Trajanje *2019, produžetak do kraja 2020.*

Naziv projekta *“Određivanje antioksidativnog kapaciteta protiv peroksidnih i hidroksilnih slobodnih radikala i sadržaja prirodnih fenola u uzorcima različitih vrsta pčelinjeg meda sa prostora Bosne i Hercegovine“*  
 Tip projekta *Domaći istraživački*  
 Finansijer *Federalno ministarstvo obrazovanja i nauke BiH*  
 Trajanje *2014.*

Učestvovao u realizaciji šest naučno-istraživačkih projekata

Naziv projekta *“Antinociceptive activity of botulinum toxin type a: new mechanism of action, new indications?”*  
 Tip projekta *Međunarodni istraživački*  
 Nosilac projekta *prof. dr. Peter Riederer*  
 Učešće *Saradnik - istraživač*  
 Finansijer *DAAD*  
 Trajanje *2011-2012.*

Naziv projekta *„Biokemijske promjene lipidno-proteinskog sastava moždanog tkiva u Alzheimerovoj bolesti“*  
 Tip projekta *Domaći istraživački*  
 Nosilac projekta *prof. dr. Emin Sofić*  
 Učešće *Saradnik – istraživač*  
 Finansijer *Ministarstvo obrazovanja i nauke Kantona Sarajevo*  
 Trajanje *2007-2008.*

Naziv projekta *“Experimental models of Alzheimer’s disease and cerebral diabetes related disorders”*  
 Tip projekta *Međunarodni istraživački*  
 Nosilac projekta *prof. dr. Peter Riederer*  
 Učešće *Saradnik - istraživač*  
 Finansijer *DAAD*  
 Trajanje *2005 – 2006.*

Naziv projekta *“Antioksidativni kapacitet moždanog tkiva u životinjskom modelu diabetesa i Alzheimerove bolesti i mjerenje antioksidativnog kapaciteta homogenata životnih namirnica”*  
 Tip projekta *Domaći istraživački*  
 Nosilac projekta *prof. dr. Emin Sofić*  
 Učešće *Saradnik - istraživač*

- Finansijer *Ministarstvo obrazovanja i nauke Kantona Sarajevo*  
Trajanje *2005 – 2006.*
- Naziv projekta *„Total antioxidant capacity of different regions of brain in Parkinson’s and Alzheimer’s disease“*  
Tip projekta *Međunarodni istraživački*  
Nosilac projekta *prof. dr. Peter Riederer*  
Učešće *Saradnik - istraživač*  
Finansijer *DAAD*  
Trajanje *2003 – 2004.*
- Naziv projekta *“Totalni antioksidativni kapacitet različitih regija mozga oboljelih od Parkinsonove i Alzheimerove bolesti“*  
Tip projekta *Domaći istraživački*  
Nosilac projekta *prof. dr. Emin Sofić*  
Učešće *Saradnik - istraživač*  
Finansijer *Ministarstvo obrazovanja i nauke Kantona Sarajevo*  
Trajanje *2003 – 2004.*
- Učešće na regionalnim konferencijama**
- novembar 2019 *VI International scientific-professional symposium “Environmental resources, sustainable development, and food production“ – OPORPH, 14-15 November 2019, Tuzla, Bosnia and Herzegovina.*
- oktobar 2018 *3<sup>rd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, October 19<sup>th</sup>-21<sup>st</sup>.*
- mart 2017 *2<sup>nd</sup> Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Sarajevo, March 16-18.*
- oktobar 2016 *2<sup>nd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, 21-23. oktobar*
- septembar 2015 *26<sup>th</sup> International Scientific-Expert Conference of Agriculture and Food Industry. Bosnia and Herzegovina, Sarajevo, September 27-30.*
- mart 2015 *1<sup>st</sup> Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Sarajevo, March 13-15.*
- oktobar 2014 *1<sup>st</sup> Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, BiH, october 10-12.*
- novembar 2006 *Second Bosnia and Herzegovina Congress of Neurology, November 9-12, Mostar, Bosnia and Herzegovina.*
- maj 2006 *First Bosnia and Herzegovinians Congress on Pharmacy, May 4-6, Sarajevo, Bosnia and Herzegovina.*
- april 2005 *XIX Croatian Meeting of Chemists and Chemical Engineers, April 24–27, Opatija, Croatia.*

**Učešće na međunarodnim konferencijama**

- april 2013 *1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20.*
- septembar 2007 *15<sup>th</sup> Meeting of Balkan Clinical Laboratory Federation, 04-07 September, Antalya, Turkey.*

- juni 2007 39<sup>th</sup> Danube Congress, June 2-5, Wuerzburg, Germany  
 juni 2006 31. FEBS Congress: Molecules in Health and Diseases, June 24-29, Istanbul, Turkey.  
 juni 2005 16<sup>th</sup> Congress on Parkinson's Disease and Related Disorders, June 5-9, Berlin, Germany.

### Članstva

- Udruženje biohemičara i molekularnih biologa Bosne i Hercegovine
- Društvo hemičara i tehnologa Kantona Sarajevo

### Recenzije

- „Springer Nature“, 2<sup>nd</sup> Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Sarajevo, 2017, March 16-18: „Beauty of fine dots-detection and treatment of Alzheimer's disease using quantum dots“. Abstracts book, p. 82.  
 „Towards green nanotechnology: maximizing benefits and minimizing harm.“ Abstracts book, p. 82-83.
- „Glasnik hemičara i tehnologa Bosne i Hercegovine“: 22 recenzirana sažetka za 2. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation (2<sup>nd</sup> ICCCEB&H) Sarajevo, 2016, October 21-23;
- „Radovi Poljoprivredno-prehrambenog fakulteta Univerziteta u Sarajevu“ br. 66/2 (za 2016. god.): Detekcija i kvantifikacija pigmenata u genetičkim resursima lisnatog povrća Slovenije.
- «Radovi», Izdavač: Šumarski fakultet Univerziteta u Sarajevu; „Phenolic content and antioxidant activity of *Crataegus monogyna* L. Fruit extracts“.
- „Glasnik hemičara i tehnologa Bosne i Hercegovine“: 23 recenzirana sažetka za 1. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation (1<sup>st</sup> CCCEB&H) Sarajevo, 2014, October 10-12;
- «Radovi», Izdavač: Šumarski fakultet Univerziteta u Sarajevu (UDK 577.164.2:582.711.714; 535.234:577.164.2) „Određivanje vitamina C u cvjetovima nekih bosanskohercegovačkih vrsta roda *Crataegus* L.“
- «Radovi» Izdavač: Šumarski fakultet Univerziteta u Sarajevu; „Determination of vitamin C in some Bosnian *Crataegus* L. species by spectrophotometric method“.

### Recenzije univerzitetskih udžbenika

1. „Osnovi biohemije“ autorice Prof. Dr. Zilhe Ašimović (broj Zaključka prorektora Univerziteta u Sarajevu o prihvatanju prijedloga imenovanja recenzenata: 0101-7507/19, od 24.11.2016.)
2. „Uvod u metaboličku biohemiju“ (odabrana poglavlja) autorice Prof. Dr. Zilhe Ašimović (broj Zaključka prorektora Univerziteta u Sarajevu o prihvatanju prijedloga imenovanja recenzenata: 0101-7508/19, od 24.11.2016.)
3. „Praktikum iz biohemije za studente veterinarske medicine“ autorica Doc. Dr. Atife Ajanović i Doc. Dr. Dunje Rukavina (broj Odluke Dekana Veterinarskog fakulteta Univerziteta u Sarajevu: 06-06-341-6/15 od 07.07.2015.)

## Mentorstva

### Doktorska disertacija

Panjeta Mirsad (10.10.2017): „Imunohemijska kvantifikacija eritropoetina u serumu bubrežnih bolesnika i njegova matematičko-statistička korelacija sa hematološkim parametrima“

### Magistarski rad

Hajdarević Kenan (05/05/2016) „Identifikacija i kvantifikacija  $\alpha$ -tokoferola u nekim jestivim i ljekovitim uljima HPLC-ED metodom“.

### Odbranijeni završni-magistarski radovi (II ciklus studija)

1. Hozić Nejla (2019): Određivanje ukupnih fenola i antioksidativne aktivnosti u ekstraktima plodova smreke (*Juniperus communis* L.)
2. Turulja Merima (2019): „Poređenje Biuret i UV spektrofotometrijske metode u kvantifikaciji ukupnih proteina u uzorcima gotove hrane“
3. Etmiran Aida (2018): „Primjena derivacione UV/Vis spektrofotometrije u određivanju sadržaja aktivnih supstanci nekih lijekova“
4. Bajramović Zehrina (2017): „Identifikacija i kvantifikacija flavanona u uzorcima pčelinjeg meda sa prostora Bosne i Hercegovine“
5. Smječanin Narcisa (2017): „Identifikacija i kvantifikacija flavonola u uzorcima pčelinjeg meda sa prostora Bosne i Hercegovine“
6. Aldžić Aldina (2017): „Identifikacija i kvantifikacija flavona u uzorcima pčelinjeg meda sa prostora Bosne i Hercegovine“
7. Gaštan Adisa (2016): „Određivanje antioksidativnog kapaciteta protiv hidroksilnih slobodnih radikala u uzorcima pčelinjeg meda“
8. Helbet Dženita (2016): „Određivanje antioksidativnog kapaciteta protiv peroksidnih slobodnih radikala u uzorcima pčelinjeg meda“
9. Hadžić Nihada (2016): „Određivanje klirensa kreatinina bolesnika sa bubrežnom insuficijencijom“
10. Kurti Šeherzada (2015): „Određivanje aktivnosti enzima kod bolesnika sa mogućim infarktomiokarda“
11. Lepara Lejla (2015): „Određivanje antioksidativne aktivnosti uzoraka pčelinjeg meda sa prostora Bosne i Hercegovine fosfomolibdatnom metodom“
12. Bojadžić Sabina (2015): „Određivanje antioksidativne aktivnosti uzoraka pčelinjeg meda sa prostora Bosne i Hercegovine DPPH metodom“
13. Bačinović Vildana (2015): „Separacija proteina u uzorcima pčelinjeg meda gel filtracijom“
14. Fejzić Amina (2015): „Određivanje D-dimera kod bolesnika sa različitim netrombotičkim poremećajima“
15. Arifović Lejla (2015): „Određivanje ukupnih proteina u uzorcima pčelinjeg meda UV metodom“
16. Mahovac Enesa (2014): „Nivoi hemoglobina HbA1c i glukoze u krvi u dijagnozi i liječenju dijabetičnih bolesnika“
17. Buza Nermin (2014): „Kvantifikacija prolina u uzorcima pčelinjeg meda HPLC-ED metodom“
18. Subašić Medina (2014): „Identifikacija prolina u uzorcima pčelinjeg meda HPLC-ED metodom“
19. Šehić Eldina (2014) „Određivanje ukupnih proteina u krvnoj plazmi ispitanika u Domu zdravlja „Zavidovići“
20. Tabak Amra (2014) „Aktivnost katalaze i superoksid-dismutaze u krvnom serumu ispitanika različitih indeksa tjelesne težine“
21. Kožljak Mimesa (2013) „Sadržaj ukupnih fenola i antioksidativni kapacitet protiv peroksidnih slobodnih radikala u infuzama nekih čajeva“
22. Keskin-Šašić Irmira (2013) „Sadržaj ukupnih fenola i antioksidativni kapacitet protiv peroksidnih slobodnih radikala u nekim prirodnim voćnim sokovima“
23. Velispahić Elmir (2013) „Aktivnost katalaze i superoksid-dismutaze u krvnom serumu pušača i nepušača“
24. Boloban Azra (2012) „Varijacije sadržaja serumskog željeza na području grada Konjica i okoline“
25. Efendić Nudžejma (2011) „Spektrofotometrijsko određivanje malondialdehida kao markera užeglosti jestivih krutih masti“.

### Odbranijeni diplomski radovi

1. Dalida Muftić-Brdar (2019/20): Određivanje sadržaja ukupnih fenola i ukupnih flavonoida u uzorcima maline sa područja općine Cazin“
2. Junuzović-Živalj Mahira (2014): "Kvantifikacija vitamina C u plodovima paradajza fluorimetrijskom metodom"
3. Kahrman Fatima (2014): "Kvantifikacija likopena u plodovima paradajza spektrofotometrijskom metodom"
4. Hasanović Sabira (2012) "Antioksidativni kapacitet vitamina C protiv hidroksilnih radikala mjeren fluorimetrijskom metodom"
5. Šivšić Jasmina (2012) "Optimizacija fluorimetrijske metode za određivanje antioksidativnog kapaciteta protiv hidroksilnih radikala"

### Odbranijeni završni radovi I ciklusa

Ukupno 30

## BIBLIOGRAFIJA

### Naučni radovi u časopisima

#### Radovi indeksirani u Web of Science Core Collection: *Current Contents Connect, Science Citation Index Expanded, Emerging Sources Citation Index*

1. **Tahirović, I.**, Mahovac, E. Dizdar, M., Toromanović, J., Mahmutović, O., Lepara, Z., Ajanović, A. (2018) Hemoglobin HbA<sub>1c</sub> and glucose blood levels of diabetic patients. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 50: 13-18. ISSN: 2232-7266
2. Panjeta, M., **Tahirović, I.**, Sofić, E., Ćorić, J., Dervišević, A. (2017) Interpretation of erythropoietin and haemoglobin levels in patients with various stages of chronic kidney disease. *J Med Biochem* 36: 1-9. DOI: 10.1515/jomb-2017-0014
3. Sofic, E., Salkovic-Petrisic, M., **Tahirovic, I.**, Sapcanin, A., Mandel, S., Youdim, M., Riederer, P. (2015) Brain catalase in the streptozotocin-rat model of sporadic Alzheimer's disease treated with the iron-chelator-monoamine oxidase inhibitor, M30. *J Neural Transm*, 122(4): 559-564. DOI 10.1007/s00702-014-1307-y
4. Ajanović, A., Sofić, E., **Tahirović, I.**, Šapčanin, A., Uzunović, A., Krehić, J., Gojak, R., Dizdar, M. (2015) Changes in lecithin concentrations in human blood with aging. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 44: 59-64. ISSN: 2232-7266
5. Mahmutovic, O., **Tahirovic, I.**, Copra, A., Memic, M., Ibragic, S., Karic, L. (2014) Correlation of total secondary sulfur compounds, total phenols and antioxidant capacity in the ramsons and garlic. *British Journal of Pharmaceutical Research* 4(23): 2662-2669. DOI: 10.9734/BJPR/2014/13977
6. **Tahirović, I.**, Kožljak, M., Toromanović, J., Čopra-Janićijević, A., Klepo, L., Topčagić, A., Demirović, H. (2014) Total phenolic content and antioxidant capacity in infusions of various herbal teas. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 42: 51-55. ISSN: 2232-7266
7. Ibragić, S., Salihović, M., **Tahirović, I.**, Toromanović, J. (2014) Quantification of some phenolic acids in the leaves of *Melissa officinalis* L. from Turkey and Bosnia. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 42: 47-50. ISSN: 2232-7266
8. Ibragic, S., Sofic, E., Suljic, E., Avdagic, N., Bajraktarevic, A., **Tahirovic, I.** (2012) Serum nitric oxide concentrations in patients with multiple sclerosis and patients with epilepsy. *J Neural Transm*, 119: 7-11; DOI: 10.1007/s00702-011-0686-6.
9. Keskin-Šašić, I., **Tahirović, I.**, Topčagić, A., Klepo, L., Salihović, M., Ibragić, S., Toromanović, J., Ajanović, A., Velispahić, E. (2012) Total phenolic content and antioxidant capacity of fruit juices. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 39: 25-28. ISSN: 2232-7266
10. Kapur, A., Hasković, A., Čopra-Janićijević, A., Klepo, L., Topčagić, A., **Tahirovic I.**, Sofić E. (2012) Spectrophotometric analysis of total ascorbic acid content in various fruits and vegetables. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 38: 39-42. ISSN: 2232-7266
11. Lepara, O., Avdagic, N., Valjevac, A., Zaciragic, A., Hadzovic-Dzuvo, A., Lepara, Dz., **Tahirovic, I.**, Sofic, E. (2010) Serum nitric oxide levels in patients with probable Alzheimer's disease and vascular dementia. *Turk J Biochem*, 35(4): 287-292. ISSN: 1303-829X
12. **Tahirovic, I.** Salihovic, M., Toromanovic, J., Dilberovic, B., Topcagic, A., Selman, S., Kalcher, K., Sofic, E. (2010) Determination of chlorogenic acid in some fruits using high performance liquid chromatography with electrochemical detection. 6<sup>th</sup> Conference on Medicinal and Aromatic Plants of Southeast European Countries (CMAPSEEC), Antalya, Turkey, April 18-22, *Pharmacognosy magazine*, Proceedings: 551-559. ISSN: 0973-1296
13. Salihovic, M., Toromanovic, J., **Tahirovic, I.**, Dilberovic, B., Klepo, L., Selman, S., Kalcher, K., Sofic, E. (2010) Determination of arbutin in some fruits using high performance liquid chromatography with electrochemical detection. 6<sup>th</sup> CMAPSEEC, Antalya, Turkey, April 18-22, *Pharmacognosy magazine*, Proceedings: 821-828. ISSN: 0973-1296
14. Krvacac, J., Salihovic, M., Selman, S., Klepo, L., **Tahirovic, I.**, Sofic, E. (2010) Determination of arbutin in extracts of *Arctostaphylos uva ursi* L., *Vaccinium vitis-idaea* L. and *Vaccinium macrocarpon* ait. using high pressure liquid chromatography with electrochemical detection. 6<sup>th</sup> CMAPSEEC, Antalya, Turkey, April 18-22, *Pharmacognosy magazine*, Proceedings: 574-582. ISSN: 0973-1296



15. Karacic, D., Muradic, S., Dragosevic, G., **Tahirovic, I.**, Salihovic, M., Sofic, E. (2010) Comparison of content of alliin, diallyl disulfide, reduced glutathione and l-cysteine in leaves and bulbs of garlic and ramson. 6<sup>th</sup> CMAPSEEC, Antalya, Turkey, April 18-22, *Pharmacognosy magazine*, Proceedings: 266-276. [ISSN: 0973-1296](#)
16. Karacic, D., Muradic, S., Dragosevic, G., **Tahirovic, I.**, Salihovic, M., Sofic, E. (2010) Utilisation of HPLC with electrochemical, fluorescence and UV detectors for analysis of sulphur compounds in garlic, and wild garlic. 6<sup>th</sup> CMAPSEEC, Antalya, Turkey, April 18-22, *Pharmacognosy magazine*, Proceedings: 277-289. [ISSN: 0973-1296](#)
17. Toromanovic, J., **Tahirovic, I.**, Huseinovic, S., Muradic, S., Kalcher, K. Salihovic, M., Sofic, E. (2010) Total content of phenols in some fruits using different extracting solvents. 6<sup>th</sup> CMAPSEEC, Antalya, Turkey, April 18-22, *Pharmacognosy magazine*, Proceedings: 567-573. [ISSN: 0973-1296](#)
18. Sofic, E., Vranic, E., Salihovic, M., Cavar, S., **Tahirovic, I.**, Kroyer, G. (2010) Determination of rutin in various medicinal plants from Bosnia. 6<sup>th</sup> CMAPSEEC, Antalya, Turkey, April 18-22, *Pharmacognosy magazine*, Proceedings: 393-403. [ISSN: 0973-1296](#)
19. Ljubijankić, N., Popović-Javorić, R., Šćeta, S., Šapčanin, A., **Tahirović, I.**, Sofić, E. (2008) Daily fluctuation of cortisol in the saliva and serum of healthy persons. *Bosn J Basic Med Sci*, 8(2): 110-115. [ISSN: 1840-4812](#)
20. Sapcanin, A., Sofic, E., **Tahirovic, I.**, Salkovic-Petrisic, M., Hoyer, S., Riederer, P. (2008) Antioxidant capacity in the rat brain after ICV treatment with streptozotocin and alloxan – a preliminary study. *Neurotoxicity Res* 13(2): 97-104. [ISSN: 1476-3524](#)
21. Toromanovic, J., Kovač-Bešović, E., Šapčanin, A., **Tahirovic, I.**, Rimpapa, Z., Kroyer, G., Sofic, E. (2008) Urinary hippuric acid after ingestion of edible fruits. *Bosn J Basic Med Sci*, 8(1): 38-43. [ISSN: 1840-4812](#)
22. Sapcanin, A., Sofić, E., **Tahirović, I.**, Gavrankapetanović, I., Kalcher, K. (2007) Antioxidant capacity in the lipophilic fraction of Alzheimer's brain tissues. *Bosn J Basic Med Sci* 7(4): 317-321. [ISSN: 1840-4812](#)
23. **Tahirovic, I.**, Sofic, E., Sapcanin, A., Gavrankapetanovic, I., Bach-Rojecky, L., Salkovic-Petrisic, M., Lackovic, Z., Hoyer, S., Riederer, P. (2007) Reduced antioxidant capacity in rat models of betacytotoxic-induced experimental sporadic Alzheimer's disease and diabetes mellitus. *Neurochem Res* 32(10): 1709-1717. [DOI 10.1007/s11064-007-9410-1](#)
24. Rimpapa, Z., Toromanovic, J., **Tahirovic, I.**, Sapcanin, A., Sofic, E. (2007) Total content of phenols and anthocyanins in edible fruits. *Bosn J Basic Med Sci*, 7(2): 117-120. [ISSN: 1840-4812](#)
25. Rimpapa, Z., Sofic, E., Sapcanin, A., Toromanovic, J., **Tahirovic, I.** (2007) Inhibition of neutral red photolysis with different antioxidants. *Bosn J Basic Med Sci* 7(1): 55-57. [ISSN: 1840-4812](#)
26. **Tahirovic, I.**, Sofic, E., Sapcanin, A., Gavrankapetanovic, I., Bach-Rojecky, L., Salkovic-Petrisic, M., Lackovic, Z., Hoyer, S., Riederer, P. (2007) Brain antioxidant capacity in rat models of betacytotoxic-induced experimental sporadic Alzheimer's disease and diabetes mellitus. *J Neural Transm* (Suppl 72): 235-240. [DOI: 10.1007/978-3-211-73574-9\\_29](#)
27. Sofic, E., Sapcanin, A., **Tahirovic, I.**, Gavrankapetanovic, I., Jellinger, K., Reynolds, G.P., Riederer, P. (2006) Antioxidant capacity in the post-mortem brain tissues of Parkinson's and Alzheimer's diseases. *J Neural Transm* (Suppl 71): 39-43. [DOI: 10.1007/978-3-211-33328-0\\_5](#)
28. Sofic, E., Rimpapa, Z., Kundurovic, Z., Sapcanin, A. **Tahirovic, I.**, Rustembegovic, A., Cao, G. (2005) Antioxidant capacity of the neurohormone melatonin. *J Neural Transm*, 112(3): 349-358. [DOI 10.1007/s00702-004-0270-4](#)

### Radovi indeksirani u drugim bazama - SCOPUS, EBSCO, CAB, CAS

29. Dedić, A., Džudžević-Čančar, H., Alispahić, A., **Tahirović, I.**, Muratović, E. (2021) *In vitro* and antimicrobial activity of aerial parts of *Prunus spinosa* L. growing wild in Bosnia and Herzegovina. *International Journal of Pharmaceutical Sciences and Research*, 12(7): 1000-1011. [DOI: 10.13040/IJPSR.0975-8232.12\(7\).1000-11](#)
30. Etminan, A., Uzunović, A., Topčagić, A., Žero, S., Dizdar, M., Klepo, L., Čulum, D., Džudžević-Čančar, H., **Tahirović, I.** (2019) Quantification of active substances in some drugs using by derivative UV/Vis spectroscopy. *Springer Nature Switzerland AG 2020*, A. Badnjevic et al. (eds.), IFMBE Proceedings 73: 553-557. [DOI: 10.1007/978-3-030-17971-7\\_83](#)
31. **Tahirović, I.**, Radić, M., Klepo, L., Karić, L., Džudžević-Čančar, H., Toromanović, J., Ajanović, A., Uzunović, A. (2019) Determination of  $\alpha$ -solanine content in two varieties of potatoes by the densitometric method. *Technologica Acta*, 12(2): 35-39. [DOI: 10.5281/zenodo.3643814](#)
32. Džudžević-Čančar, H., Dedić, A., Alispahić, A., Muratović, S., **Tahirović, I.** (2018) Chromatographic and spectroscopic characterisation of lycopene extracted from fresh and thermally processed tomato fruit. *RJPBCS* 9(6): 1094-1102. [ISSN: 0975-8585](#)

33. **Tahirović, I.**, Helbet, Dž., Gaštan, A., Buza, N., Dizdar, M., Topčagić, A., Toromanović, J., Čopra-Janićijević, A., Kurtagić, H. (2017) Hydrophilic antioxidant scores against hydroxyl and peroxy radicals in honey samples from Bosnia and Herzegovina. IFMBE Proceedings, Springer Nature, Singapore Pte Ltd., A. Badnjević (ed.), 62: 429-434; DOI: [10.1007/978-981-10-4166-2\\_66](https://doi.org/10.1007/978-981-10-4166-2_66)
34. Ibragić, S., Sofić, E., **Tahirović, I.**, Uzunović, A., Kresić, D., Kalcher, K. (2017) Utilisation of a Simple and Fast HPLC-UV Method for Separation and Quantification of Ephedrine Alkaloids in Herb of Different Ephedra Species. Research & Reviews: *Journal of Pharmacology and Toxicological Studies*. 5(2): 7-10. ISSN: 2322-0139
35. Arifović, L., **Tahirović, I.**, Dizdar, M., Bačinović, V., Buza, N., Subašić, M., Tursanović, E. (2016) Determination of total proteins content in bee honey using by UV spectrophotometry. *Works of the Faculty of Agriculture and Food Sciences*, University of Sarajevo, LXI 66/1: 99-103. UDK 63/66 (058) 0808.1/2 BH ISSN: 0033-8583
36. Marušić, D., Karić, L., Žnidarčič, D., **Tahirović, I.**, Ašimović, Z., Čengić, L. (2016) The effect of variety and different cultivation systems on the content of lycopene and vitamin C in tomato (*Lycopersicon esculentum* Mill.). Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, LXI 66/1: 308-311. UDK 63/66 (058) 0808.1/2 BH ISSN: 0033-8583
37. Panjeta, M., **Tahirović, I.**, Karamehić, J., Sofić, E., Ridić, O., Čorić, J. (2015) The relation of erythropoietin towards hemoglobin and hematocrit in varying degrees of renal insufficiency. *Mater Sociomed* 27(3): 144-148. DOI: [10.5455/msm.2015.27.144-148](https://doi.org/10.5455/msm.2015.27.144-148)
38. **Tahirović, I.**, Boloban, A., Ibragić, S., Dzudzević-Cancar, H., Toromanović, J., Leparo, O., Ajanović, A., Dizdar, M. (2015) Determination of gender and age specific differences in total iron levels in human serum using a spectrophotometric method. Proceedings of the 1<sup>st</sup> Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Sarajevo, March 13-15, p.284-287.
39. Briga, M., Delić, D., Copra-Janićijević, A., Klepo, L., Sofić, E., Topčagić, A., **Tahirović, I.** (2012) Fluorimetric determination of ascorbic acid using methylene blue. Proceedings of the 7<sup>th</sup> CMAPSEEC, Subotica, Republic of Serbia, May 27-31, *Institute for Medicinal Plant Research „Dr Josif Pančić“*, Belgrade and AMAPSEEC, 104-109.
40. Delić, D., Briga, M., Copra-Janićijević, A., Klepo, L., Topčagić, A., Sofić, E., **Tahirović, I.** (2012) Spectrophotometric and titrimetric determination of ascorbic acid in some fruits and vegetables. Proceedings of the 7<sup>th</sup> CMAPSEEC, Subotica, Republic of Serbia, May 27-31, *Institute for Medicinal Plant Research „Dr Josif Pančić“*, Belgrade and AMAPSEEC, 110-116.
41. Čopra-Janićijević, A., Sofić, E., Topčagić, A., Klepo, L., Hasković, A., **Tahirović, I.** (2011) Fluorimetrijsko određivanje askorbinske kiseline sa o-fenilendiaminom. *Glasnik hem. teh. i ek. RS*, 5: 5-10.
42. Sofić, E., Huseinović, S., Copra-Janićijević, A., **Tahirović, I.** (2011) Chemical composition, nutritional values and antioxidant capacity of buckwheat (*Fagopyrum esculentum* L.) from Bosnia. Proceedings of the 1<sup>st</sup> National Agriculture Congress and Exposition on behalf of Ali Numan Kiraç with International Participation; Eskişehir, Turkey, pp. 863-870.
43. Sofić, E., Copra-Janićijević, A., Salihović, M., **Tahirović, I.**, Kroyer, G. (2010) Screening of medicinal plant extracts for quercetin-3-rutinoside (rutin) in Bosnia and Herzegovina. *Medicinal Plants*, 2(2): 97-102. DOI: [10.5958/j.0975-4261.2.2.015](https://doi.org/10.5958/j.0975-4261.2.2.015)
44. Sofić, E., Rustembegović, A., Pehlic, E., Sapčanin, A., Toromanović, J., **Tahirović, I.**, Wichart, I. (2007) Plasma lipids, lipoproteins and hormones levels during olanzapine treatment in psychosis and depression. *Med Arh* 61(2): 71-72. PMID: 17629136; ISSN: 0350-199 X
45. Rustembegović, A., Sofić, E., **Tahirović, I.**, Kundurović, Z. (2004). A study of gabapentin in the treatment of tonic-clonic seizures of alcohol withdrawal syndrome. *Med Arh*. 58(1): 5-6. ISSN: 0350-199 X
46. A. Rustembegović, E. Sofić, Z. Kundurović, **I. Tahirović**, A. Sapčanin, (2004) A placebo-controlled study of memantine in dementia of Wernicke-Korsakoff syndrome, Alzheimer's disease, and vascular dementia. *Proceedings of the 7<sup>th</sup> Congress of the European Society for Clinical Neuropharmacology*, Trieste, Italy, May 5-9; 51-55. Vol. ISBN: 88-7587-039-X; CD ISBN 88-7587-040-3
47. **Tahirović, I.**, Kalcher, K., Sapčanin, A., Pujic, Z., Muzaferović, S. (2004). Utilization of butyrylthiocholine enzyme sensor for the detection of cholinesterase inhibitors in natural samples, *Pharmacia*, 15: 49-61. ISSN: 0480-2551

**Radovi na međunarodnim konferencijama indeksirani u Web of Science: Current Contents Connect, Science Citation Index Expanded, Emerging Sources Citation Index**

48. Etminan, A., Uzunović, A., Topčagić, A., Žero, S., Dizdar, M., Klepo, L., Čulum, D., **Tahirović, I. (2018)**. Utilisation of derivative UV/Vis spectrophotometry in determination of active pharmaceutical ingredient content in some drugs. 3<sup>rd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, October 19<sup>th</sup>-21<sup>st</sup>. *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*; Book of abstract, OP-12 p. 24. [ISSN: 2232-7266](#)
49. Turulja, M., Topčagić, A., Toromanović, J., Ajanović, A., Dizdar, M., **Tahirović, I. (2018)**. UV spectrophotometric method in quantification of the total protein content in food samples. 3<sup>rd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, October 19<sup>th</sup>-21<sup>st</sup>. *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*; Book of abstract, PP-BB-03, p. 57. [ISSN: 2232-7266](#)
50. Kristić, D., Šimunić, I., Ibragić, S., Čulum, D., Klepo, L., **Tahirović, I. (2018)**. Determination of total protein content in royal jelly samples by an UV spectrophotometric method. 3<sup>rd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, October 19<sup>th</sup>-21<sup>st</sup>. *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*; Book of abstract, PP-BB-05, p. 59. [ISSN: 2232-7266](#)
51. Šimunić, I., Kristić, D., Ibragić, S., Čulum, D., Klepo, L., **Tahirović, I. (2018)**. Determination of the total phenolic content of royal jelly by using a spectrophotometric method. 3<sup>rd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, October 19<sup>th</sup>-21<sup>st</sup>. *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*; Book of abstract, PP-BB-06, p. 60. [ISSN: 2232-7266](#)
52. **Tahirović, I.**, Bojadžić, S., Dizdar, M., Džudžević-Čančar, H., Toromanović, J., Uzunović, A., Ajanović, A., Mahmutović, O. (2016). DPPH free radical scavenging ability of some bee honey samples from Bosnia and Herzegovina. 2<sup>nd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, 21-23. oktobar, PP-OMC-14, *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, Book of abstract, p.110. [ISSN: 2232-7266](#)
53. **Tahirović, I.**, Lepara, L., Dizdar, M., Toromanović, J., Džudžević-Čančar, H., Mahmutović, O., Uzunović, A., Ajanović, A. (2016). Studies on the antioxidant activity of bee honey samples from Bosnia and Herzegovina by phosphomolybdenum assay. 2<sup>nd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, 21-23. oktobar, PP- OMC-15, *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, Book of abstract, p.111. [ISSN: 2232-7266](#)
54. **Tahirović, I.**, Šljivo, E., Dizdar, M., Buza, N., Čopra-Janićijević, A., Subašić, M., Toromanović, J., Kurtagić, H. (2016). Evaluation of the total phenolic content of forest bee honey samples from Bosnia and Herzegovina. 2<sup>nd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, 21-23. oktobar, PP-BB-10, *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, Book of abstract, p.66. [ISSN: 2232-7266](#)
55. **Tahirović, I.**, Drljepan, N., Dizdar, M., Buza, N., Čopra-Janićijević, A., Subašić, M., Toromanović, J., Kurtagić, H. (2016). Total phenolic content of meadow bee honey from Bosnia and Herzegovina. 2<sup>nd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, 21-23. oktobar, PP-BB-08, *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, Book of abstract, p.64. [ISSN: 2232-7266](#)
56. **Tahirović, I.**, Mahovac, E., Dizdar, M., Mahmutović, O., Lepara, Z., Ajanović, A. (2016). Hemoglobin HbA<sub>1c</sub> and glucose blood levels of diabetic patients. 2<sup>nd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, 21-23. oktobar, PP-OMC-11, *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, Book of abstract, p.107. [ISSN: 2232-7266](#)
57. Džudžević-Čančar, H., Dedić, A., Bibić, N., Kahrović, E., **Tahirović, I.**, Zahirović, A., Đedibegović, J. (2016). Extraction and spectroscopic characterization of oleic acid from refined and unrefined olive oil. 2<sup>nd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, 21-23. oktobar, PP-OMC-21, *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, Book of abstract, p.117. [ISSN: 2232-7266](#)
58. Džudžević-Čančar, H., Dedić, A., Martinović, A., Alispahić, A., **Tahirović, I.**, Mujezin, I. (2016). Impact of temperature and degreasing methods on the content of extracted casein from whole milk, skimmed liquid and powdered milk and preparation of casein glue. 2<sup>nd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, 21-23. oktobar, PP-OMC-22, *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, Book of abstract, p.118. [ISSN: 2232-7266](#)
59. Buza, N., Subašić, M., Kurtagić, H., Toromanović, J., **Tahirović, I. (2014)**. Quantification of proline in samples of honey using HPLC – ED. 1<sup>st</sup> Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, BiH, 10-12. oktobar, *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, Book of Abstracts, PP-BB-09. [ISSN: 2232-7266](#)

60. Subašić, M., Buza, N., Salihović, M., Toromanović, J., **Tahirović, I.** (2014). Identification of proline in samples of honey using HPLC – ED. 1<sup>st</sup> Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, BiH, 10-12. oktobar, *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, Book of Abstracts, PP-BB-10. ISSN: 2232-7266
61. Panjeta, M., **Tahirović, I.**, Sofić, E., Ćorić, J. (2014). Levels of erythropoietin in patients with varying degrees of renal insufficiency and anemia. 1<sup>st</sup> Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, BiH, 10-12. oktobar, *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, Book of Abstracts, PP-BB-12. ISSN: 2232-7266
62. Džudžević-Čančar, H., Sofić, E., Suljić, E., Šapčanin, A., **Tahirović, I.**, Wichart, I., Riederer, P. (2014). Biomarkers for Alzheimer's disease, amyloid beta peptide (1-42) and total tau protein, highly increased in CSF of patients with hydrocephalus-postoperation status. 1<sup>st</sup> Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, 10-12. oktobar, *Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, Book of Abstracts, PP-OMC-17. ISSN: 2232-7266
63. Haskovic, A., Copra Janicijevic, A., Topcagic, A., Klepo, L., Kapur, A., Huseinovic, **Tahirovic, I.**, Sofic, E. (2011). Analysis of ascorbic acid content in various fruits and vegetables by spectrofluorimetric methods. 59<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research. Antalya, Turkey, September 4-9, *Planta Medica*, (77)12: 366; 77-PJ17. ISSN: 0032-0943
64. Sofic, E., Copra Janicijevic, A., Maksimovic, M., **Tahirovic, I.**, Klepo, L., Topcagic, A., Huseinovic, S., Vidic, D., Cavar, S., Kroyer, G. (2011). Determination of Hypericin in St. John's Wort (*Hypericum perforatum* L.) extracts using HPLC-ED. 59<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research. Antalya, Turkey, September 4-9, *Planta Medica*, (77)12: 1256; 77-SL51. ISSN: 0032-0943
65. Salihovic, M., Dilberovic, B., Toromanovic, J., **Tahirovic, I.**, Krvavac, J., Sofic, E. (2010). Quantification of rosmarinic acid and caffeic acid in some plants of family Lamiaceae using high performance liquid chromatography with electrochemical detection. 58<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany, 29<sup>th</sup> August-2<sup>nd</sup> September, *Planta Medica*, 76: 1264. DOI: 10.1055/s-0030-1264588
66. Dilberovic, B., Salihovic, M., Krvavac, J., Toromanovic, J., **Tahirovic, I.**, Sofic, E. (2010). Quantification of rutin in some plants of family Lamiaceae using high performance liquid chromatography with electrochemical detection. 58<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany, 29<sup>th</sup> August-2<sup>nd</sup> September, *Planta Medica*, 76: 1264. DOI: 10.1055/s-0030-1264587
67. **Tahirovic, I.**, Rimpapa, Z., Cavar, S., Huseinovic, S., Muradic, S., Salihovic, M., Sofic, E. (2010). Content of some phenolic acids and rutin in the leaves and roots of *Symphytum officinale* L. 58<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany, 29<sup>th</sup> August-2<sup>nd</sup> September, *Planta Medica*, 76: 1265. DOI: 10.1055/s-0030-1264591
68. Toromanovic, J., Huseinovic, S., Muradic, S., **Tahirovic, I.**, Rimpapa, Z., Selman, S., Sofic, E. (2010). The content of total phenolics and arbutin in some fruits from Bosnia. 58<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany, 29<sup>th</sup> August-2<sup>nd</sup> September, *Planta Medica*, 76: 1266. DOI: 10.1055/s-0030-1264597
69. Copra-Janicijevic, A., Sofic, E., Klepo, L., Topcagic, A., **Tahirovic, I.**, Haskovic, A. (2010). Fluorometric determination of ascorbic acid in the absence of the oxidant in juices of common citrus. 58<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany, 29<sup>th</sup> August-2<sup>nd</sup> September, *Planta Medica*, 76: 1329. DOI: 10.1055/s-0030-1264845
70. **Tahirovic, I.**, Toromanovic, J., Sapcanin, A., Hrvat, A., Sofic, E. (2009). Antioxidant capacity against peroxy free radicals of various edible fruits from Bosnia. 57<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, Ženeva, Švicarska, august 16-20. *Planta Med* 75: 955. ISSN: 0032-0943
71. Toromanovic, J., Uzunovic, A., **Tahirovic, I.**, Hrvat, A., Sofic, E. (2009). Determination of total anthocyanins and anthocyanine glycosides in various edible fruits from Bosnia. 57<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, Ženeva, Švicarska, august 16-20. *Planta Med* 75: 966. ISSN: 0032-0943
72. Ibrulj, A., Sofic, E., **Tahirovic, I.**, Kovac-Besovic, E. (2009). HPLC determination of certain flavonoids in *Ginkgo biloba* L. 57<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, Ženeva, Švicarska, august 16-20. *Planta Med* 75: 966. ISSN: 0032-0943

73. Krvavac, J., Kovac-Besovic, E., Toromanovic, J., Salihovic, M., **Tahirovic, I.**, Duric, K., Klepo, L., Sapcanin, A., Sofic, E. (2009). Determination of arbutin, rutin, total content of phenols and antioxidant capacity in fruits and leaves of lingonberry, *Vaccinium vitis-idaea* L. (Ericaceae). 57<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, Ženeva, Švicarska, august 16-20. *Planta Med* 75: 1062. ISSN: 0032-0943
74. Krvavac, J., Uzunovic, A., Toromanovic, J., **Tahirovic, I.**, Kovac-Besovic, E., Sofic, E. (2009). Determination of total anthocyanins and anthocyanine glycosides in the fruit of lingonberry, *Vaccinium vitis-idaea* L. (Ericaceae). 57<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, Ženeva, Švicarska, august 16-20. *Planta Med* 75: 1062. ISSN: 0032-0943
75. Uzunovic, A., Vranic, E., Sapcanin, A., **Tahirovic, I.**, Toromanovic, J., Duric, K., Sofic, E. (2009). Improvement of dissolution rate of rutin by complexation with  $\beta$ -cyclodextrin. 57<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, Ženeva, Švicarska, august 16-20. *Planta Med* 75: 956. ISSN: 0032-0943
76. **Tahirovic, I.**, Muradic, S., Toromanovic, J., Sapcanin, A., Rimpapa, Z., Copra-Janicijevic, A., Imamovic, A., Sofic, E. (2008). Total content of phenols and anthocyanins in leaves and flowers of some medicinal plants from Bosnia. 7<sup>th</sup> Meeting of AFERP, ASP, GA, PSE & SIF: ("Natural products with Pharmaceutical, Nutraceutical, Cosmetic, and Agrochemical interest"), Athens, Greece, august 3-8. *Planta Med*, 74: 995. DOI: 10.1055/s-0028-1084222
77. Rimpapa, Z., Korac, F., Toromanovic, J., Pleho-Kapic, A., **Tahirovic, I.**, Sofic, E. (2008). Utilisation of photolysis of neutral red for analysis of antioxidant capacity in various flowers of medicinal plants from Bosnia. 7<sup>th</sup> Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, august 3-8. *Planta Med*, 74: 1101. DOI: 10.1055/s-0028-1084579
78. Toromanovic, J., **Tahirovic, I.**, Toromanovic, E., Sapcanin, A., Uzunovic, A., Selman, S., Sofic, E. (2008). Total content of phenols and anthocyanins in fruits from Bosnia. 7<sup>th</sup> Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, august 3-8. *Planta Med*, 74: 1181. DOI: 10.1055/s-0028-1084882
79. Sapcanin, A., Imamovic, A., Kovac-Besovic, E., Duric, K., **Tahirovic, I.**, Toromanovic, J., Sofic, E. (2008). Antioxidant capacity of various medicinal plants, fruits and vegetables. 7<sup>th</sup> Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, august 3-8. *Planta Med*, 74: 1183. DOI: 10.1055/s-0028-1084890
80. Copra-Janicijevic, A., Muradic, S., Huseinovic, S., **Tahirovic, I.**, Toromanovic, J., Sapcanin, A., Sofic, E. (2008). Isolation of essential oils of *Allium ursinum* L from Bosnia. 7<sup>th</sup> Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, august 3-8. *Planta Med*, 74: 1199. DOI: 10.1055/s-0028-1084950
81. Rustembegovic, A., Sofic, E., Pehlic, E., Toromanovic, J., Sapcanin, A., **Tahirovic, I.**, Kundurovic, Z., Wichart, I. (2007). The effects of olanzapine on weight gain, lipids and hormones. 39<sup>th</sup> International Danube Symposium for Neurological Sciences and Continuing Education and 1<sup>st</sup> International Congress on ADHD, from childhood to adult disease, Wuerzburg, Germany, June 2-5, *J Neural Transm* 114(7): CXIX-CXX; DOI: 10.1007/s00702-007-0754-0
82. Sapcanin A, **Tahirovic I**, Sofic E, Riederer P (2007). Antioxidant capacities in the lipophilic fraction of Alzheimer's brain tissues. 39<sup>th</sup> International Danube Symposium for Neurological Sciences and Continuing Education and 1<sup>st</sup> International Congress on ADHD, from childhood to adult disease, Wuerzburg, Germany, June 2-5, *J Neural Transm* 114(7): CXXI; DOI: 10.1007/s00702-007-0754-0
83. **Tahirovic, I.**, Sofic, E., Sapcanin, A., Bach-Rojecky, L., Salkovic-Petrisic, M., Lackovic, Z., Hoyer, S., Riederer, P. (2007). Brain antioxidant capacity in rat models of betacytotoxic-induced experimental sporadic Alzheimer's disease and diabetes mellitus. 39<sup>th</sup> International Danube Symposium for Neurological Sciences and Continuing Education and 1<sup>st</sup> International Congress on ADHD, from childhood to adult disease, Wuerzburg, Germany, June 2-5, *J Neural Transm* 114(7): CXXIII; DOI: 10.1007/s00702-007-0754-0
84. Toromanovic, J., Sofic, E., **Tahirovic, I.**, Sapcanin, A., Rimpapa, Z. (2007). Biotransformation of simple phenols from edible fruits in man. 39<sup>th</sup> International Danube Symposium for Neurological Sciences and Continuing Education and 1<sup>st</sup> International Congress on ADHD, from childhood to adult disease, Wuerzburg, Germany, June 2-5, *J Neural Transm* 114(7): CXXIX-CXXIX; DOI: 10.1007/s00702-007-0754-0
85. Sapcanin, A., **Tahirovic, I.**, Sofic, E., Salkovic-Petrisic, M., Lackovic, Z., Riederer, P. (2006). Antioxidant capacity in the brain tissues of Alzheimer's disease experimental rat model. *FEBS Journal*, 273(1): 155. ISSN: 1742-4658
86. **Tahirovic, I.**, Sapcanin, A., Gavrankapetanovic, I., Sofic, E., Salkovic-Petrisic, M., Lackovic, Z., Riederer, P. (2006). Antioxidant capacity in the brain tissues of rat model of cerebral diabetes. *FEBS Journal*, 273(1): 156. ISSN: 1742-4658
87. Rimpapa, Z., Toromanović, J., **Tahirović, I.**, Sofić, E. (2006). Total content of phenols and anthocyanins in edible fruits and red wine. *FEBS Journal*, 273(1): 297. ISSN: 1742-4658

88. **Tahirovic, I.**, Sapcanin, A., Kalcher, K., Riederer, P., Jellinger, K., Sofic, E. (2005). Antioxidant capacity in the postmortem brain tissues of Parkinson's disease. 16<sup>th</sup> Congress on Parkinson's Disease and Related Disorders, June 5-9, Berlin, Germany, *Parkinsonism & Related Disorders* 11(2): 168. [ISSN: 1353-8020](#)
89. Sapcanin, A., **Tahirovic, I.**, Kalcher, K., Sofic, E. (2005). Antioxidant capacity declined during growth but not aging in mouse brain. 16<sup>th</sup> Congress on Parkinson's Disease and Related Disorders, June 5-9, Berlin, Germany, *Parkinsonism & Related Disorders* 11(2): 159. [ISSN: 1353-8020](#)
90. Sofic, E., Rustembegovic, A., Pehlic, E., Suljevic, E., Wichart, I., Gavranovic, H., **Tahirovic, I.**, Sapcanin, A., Kundurovic, Z. (2005). Changes in plasma concentrations of lipids, lipoproteins and some hormones in the treatment with olanzapine. 16<sup>th</sup> Congress on Parkinson's Disease and Related Disorders, June 5-9, Berlin, Germany, *Parkinsonism & Related Disorders* 11(2): 146. [ISSN: 1353-8020](#)
91. Kundurovic, Z., Sofic, E., **Tahirovic, I.**, Sapcanin, A., Rustembegovic, A. (2005). The radioprotection of thyreocytes in pinealectomized and melatonin treated rats prior to irradiation. 16<sup>th</sup> Congress on Parkinson's Disease and Related Disorders, June 5-9, Berlin, Germany, *Parkinsonism & Related Disorders* 11(2): 159. [ISSN: 1353-8020](#)

### Radovi na međunarodnim konferencijama indeksirani u drugim bazama (SCOPUS, CAB, CAS, EBSCO,...):

92. **Tahirović, I.**, Radić, M., Klepo, L., Karić, L., Džudžević-Čančar, H., Ajanović, A., Uzunović, A. (2019). Determination of  $\alpha$ -solanine content in two varieties of potatoes by the densitometric method. VI International scientific-professional symposium "Environmental resources, sustainable development, and food production" – OPORPH, 14-15 November 2019, Tuzla, Bosnia and Herzegovina, p.37. [DOI: 10.5281/zenodo.3530674](#)
93. Uzunovic, A., Hatibovic, Dz., Pilipovic, S., Sapcanin, A., **Tahirovic, I.** (2017). Storage stability assessment of royal jelly skin care products by trans-10-hydroxy-2-decenoic acid (10-HDA) determination. *PMIO* 2017; 4(S-01): S01-S202. [DOI: 10.1055/s-0037-1608529](#)
94. Uzunovic, A., Pilipovic, S., Tubic, B., Sapcanin, A., **Tahirovic, I.** (2017). HPLC determination of benzaldehyde in benzyl alcohol containing injectable formulations. *Acta Pharmaceutica Hungarica – 7<sup>th</sup> BBBB Edition – Posters*; 2017/3-4; P2D-9; p.200. [ISSN: 0001-6659](#)
95. **Tahirović, I.**, Helbet, Dž., Gaštan, A., Buza, N., Dizdar, M., Topčagić, A., Toromanović, J., Čopra-Janićijević, A., Kurtagić, H. (2017). Hydrophilic antioxidant scores against hydroxyl and peroxy radicals in honey samples from Bosnia and Herzegovina. 2<sup>nd</sup> International Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Sarajevo, March 16-18. *Abstract Book*, p.66-67.
96. Uzunovic, A., Hatibovic, Dz., Pilipovic, S., **Tahirovic, I.**, Tubic, B. (2016). Quantitative analysis of trans-10-hydroxy-2-decenoic acid (10-HDA) in royal jelly skin care products by ultra-performance liquid chromatography (UPLC). 9<sup>th</sup> Joint natural products conference 2016, July 24-27, Copenhagen, Denmark. *Abstract Book*, p.1048. [www.jnpc2016.dk](#)
97. Marušić, D., Karić, L., Žnidarčić, D., **Tahirović, I.**, Ašimović, Z., Čengić, L. (2015). Influence of sort and way of cultivation on lycopene and vitamin C content in tomato (*Lycopersicon esculentum* mill.). 26<sup>th</sup> International Scientific-Expert Conference of Agriculture and Food Industry. Bosnia and Herzegovina, Sarajevo, September 27-30, *Book of Abstracts*, p.139.
98. Arifović, L., **Tahirović, I.**, Dizdar, M., Bačinović, V., Buza, N., Subašić, M., Tursanović, E. (2015). Determination of total protein content in bee honey using by UV spectrophotometry. 26<sup>th</sup> International Scientific-Expert Conference of Agriculture and Food Industry. Bosnia and Herzegovina, Sarajevo, September 27-30, *Book of Abstracts*, p.56.
99. Bačinović, V., **Tahirović, I.**, Dizdar, M., Klepo, L., Arifović L., Ajanović, A., Toromanovic, J. (2015). Gel filtration and UV spectrophotometry as combined technique for both separation and monitoring of protein separation in bee honey. 26<sup>th</sup> International Scientific-Expert Conference of Agriculture and Food Industry. Bosnia and Herzegovina, Sarajevo, September 27-30, *Book of Abstracts*, p.58.
100. **Tahirovic, I.**, Boloban, A., Ibragic, S., Džudžević-Cancar, H., Toromanovic, J., Lepara, O., Ajanovic, A., Dizdar, M. (2015). Determination of gender and age specific differences in total iron levels in human serum using a spectrophotometric method. 1<sup>st</sup> Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Sarajevo, March 13-15. *Abstract Book*, p.85.
101. Sofic, E., Sapcanin, A., **Tahirovic, I.**, Youdim, M., Riederer, P. (2014). Brain catalase and superoxide dismutase in the streptozotocin-rat model of sporadic Alzheimer's disease treated with the iron-chelator M 30. IFCC-WorldLab, Istanbul, 22-26 June, *Clin Chem Lab Med*, 52, Special suppl. S1354. [DOI: 10.1515/cclm-2014-4046](#)

102. Cavcic, N., Sofic, E., **Tahirovic, I.**, Ajanovic, A. (2014). The increase of hemoglobin concentration on account tobacco usage. 8<sup>th</sup> Conference on Medicinal and Aromatic Plants of Southeast European Countries; Durres, Albania, May 19-22; *Book of Abstracts*, p.168. ISBN: 978-99956-10-64-7
103. Huseinovic, S., Duric, K., Ibragic, S., Salihovic, M., **Tahirovic, I.**, Sofic, E. (2014). Biophysical and biochemical study of the mucilage extracted from okra fruits, *Hibiscus esculentus* L., (*Malvaceae*) 8<sup>th</sup> Conference on Medicinal and Aromatic Plants of Southeast European Countries; Durres, Albania, May 19-22; *Book of Abstracts*, p.221. ISBN: 978-99956-10-64-7
104. Selman, S., Toromanovic, J., **Tahirovic, I.**, Ibragic, S., Sofic, E. (2014). Recent statistics on illicit drugs trafficking in Federation of Bosnia and Herzegovina, B.H. 8<sup>th</sup> Conference on Medicinal and Aromatic Plants of Southeast European Countries; Durres, Albania, May 19-22; *Book of Abstracts*, p.300. ISBN: 978-99956-10-64-7
105. **Tahirovic, I.**, Kozljak, M., Huseinovic, S., Muradic, S., Sofic, E. (2013). The content of phenolics and antioxidant capacity in infusion of various teas. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-146.
106. Efendic, N., **Tahirovic, I.**, Sofic, E., Riederer, P. (2013). Spectrophotometric determination of malondialdehyde as a marker rancidity of edible solid fats. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-147.
107. Toromanovic, J., Selman, S., Topcagic, A., Klepo, L., **Tahirovic, I.**, Sofic, E. (2013). The content of total phenolics and total flavonoids in native leaf extracts of houseleek, *Sempervivum tectorum* L., (*Crassulaceae*). 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants“, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-148.
108. Svraka, M., Sofic, E., **Tahirovic, I.**, Toromanovic, J., Riederer, P. (2013). Spectrophotometric determination of malondialdehyde as a marker rancidity of oil. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-149.
109. Salihovic, M., Ibragic, S., **Tahirovic, I.**, Toromanovic, J., Dzudzevic-Cancar, H., Sofic, E. (2013). Determination of gallic acid, chlorogenic acid, caffeic acid, rutin and rosmarinic acid in sage herb by High Performance Liquid Chromatography with electrochemical detection. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-183.
110. Salihovic, M., Ibragic, S., **Tahirovic, I.**, Toromanovic, J., Dzudzevic-Cancar, H., Sofic, E. (2013). Determination of rutin in *Allium sativum* L., *Allium cepa* L. and *Allium ursinum* L. by High Performance Liquid Chromatography with electrochemical detection. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-184.
111. Ibragic, S., Salihovic, M., **Tahirovic, I.**, Toromanovic, J., Dzudzevic-Cancar, H., Sofic, E. (2013). Quantification of some phenolic acids in the leaves of *Melissa officinalis* L. from Turkey and Bosnia. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-222.
112. Ibragic, S., Salihovic, M., **Tahirovic, I.**, Toromanovic, J., Dzudzevic-Cancar, H., Sofic, E. (2013). Determination of arbutine in the leaves of *Arctostaphylos uva-ursi* (L.) Spreng. by High Performance Liquid Chromatography with electrochemical detection. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-223.
113. Smaka, N., Sofic, E., Ajanovic, A., **Tahirovic, I.** (2013). Changes of serum glucose, cholesterol, and triglycerides on account of tobacco usage. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-85.
114. Tomic, S., Sofic, E., Ajanovic, A., **Tahirovic, I.** (2013). Changes in various hematological parameters on account of tobacco usage. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, 2013; PP-84.
115. Brakmic, I., Sofic, E., **Tahirovic, I.**, Riederer, P. (2013). Spectrophotometric determination of malondialdehyde in pharmaceutical oils. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants“, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-108.
116. Hajdarevic, K., **Tahirovic, I.**, Copra-Janicijevic, A., Sofic, E. (2013). Quantification of  $\alpha$ -tocopherol in various oils using High Pressure Liquid Chromatography with electrochemical detection. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-156.

117. Hero, N., Sofic, E., **Tahirovic, I.**, Muradic, S., Huseinovic, S., Riederer, P. (2013). Spectrophotometric determination of malondialdehyde in pharmaceutical fats. 1<sup>st</sup> Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20, *Abstract Book*, PP-225.
118. Briga, M., Delic, D., Copra-Janicijevic, A., Klepo, L., Sofic, E., Topcagic, A., **Tahirovic, I.** (2012). Fluorimetric determination of ascorbic acid using methylene blue. 7<sup>th</sup> CMAPSEEC, Subotica, Republic of Serbia, May 27-31, Institute for Medicinal Plant Research „Dr Josif Pančić“, Belgrade and AMAPSEEC Belgrade, *Book of Abstracts*, p.61.
119. Delic, D., Briga, M., Copra-Janicijevic, A., Klepo, L., Topcagic, A., Sofic, E., **Tahirovic, I.** (2012). Spectrophotometric and titrimetric determination of ascorbic acid in some biological samples. 7<sup>th</sup> CMAPSEEC, Subotica, Republic of Serbia, May 27-31, Institute for Medicinal Plant Research „Dr Josif Pančić“, Belgrade and AMAPSEEC Belgrade, *Book of Abstracts*, p.62.
120. Sofić, E., Džudžević-Čančar, H., Jellinger, K., Gavrankapetanović, I., Karamehić, J., Suljić, E., **Tahirović, I.**, Šapčanin, A., Šćeta, S., Gavrankapetanović, F., Riederer, P., Rösler, N., Wichart, I. (2011). Likvorska dijagnostika Alzheimerove demencije, 11. Stručni sastanak medicinskih biohemičara/biokemičara BiH, Sarajevo.
121. Rustembegovic, A., Ajanovic, A., **Tahirovic, I.**, Sofic, E. (2011). Changes in the concentration of lecithin in human plasma and whole blood with aging. 7<sup>th</sup> International Congress on Vascular Dementia, Riga, Latvia, October, 20-23.
122. Sofic, E., Huseinovic, S., Copra-Janicijevic, A., **Tahirovic, I.** (2011). Chemical composition, nutritional values and antioxidant capacity of buckwheat (*Fagopyrum esculentum* L.) from Bosnia. 1<sup>st</sup> National Agriculture Congress and Exposition on behalf of Ali Numan Kiraç with International Participation; Eskişehir, Turkey, April 27-30. *Book of Abstracts*, p.51.
123. Kapur, A., Čopra-Jančićević, A., Klepo, L., Topčagić, A., Hasković, A., **Tahirovic, I.**, Sofić, E. (2011). Spectrophotometric analysis of total ascorbic acid content in various fruits and vegetables. 22<sup>nd</sup> International Scientific-Expert Conference of Agriculture and Food Industry; *Book of Abstracts*, Sarajevo, September 28–Octob. 1.
124. Murtic, N., **Tahirovic, I.**, Toromanovic, J., Salihovic, M., Sofic, E. (2010). Qualitative and quantitative analysis of some pigments in the leaves of citrus species, olive and nut. The First International Congress on Natural Health; Mostaganem – Algeria, 7<sup>th</sup> – 9<sup>th</sup> December, *Abstracts Book*, p.122.
125. **Tahirovic, I.**, Salihovic, M., Toromanovic, J., Dilberovic, B., Topcagic, A., Selman, S., Kalcher, K., Sofic, E. (2010). Determination of chlorogenic acid in some fruits using high performance liquid chromatography with electrochemical detection. Abstracts Book of 6<sup>th</sup> Conference on Medicinal and Aromatic Plants of Southeast European Countries (CMAPSEEC), Antalya, Turska, 18-22. april. *Pharmacognosy magazine*, Apr-Jun 6(22) (Suppl.), S150. ISSN: 0973-1296
126. Salihovic, M., Toromanovic, J., **Tahirovic, I.**, Dilberovic, B., Klepo, L., Selman, S., Kalcher, K., Sofic, E. (2010). Determination of arbutin in some fruits using high performance liquid chromatography with electrochemical detection. Abstracts Book of 6<sup>th</sup> CMAPSEEC, Antalya, Turska, 18-22. april. *Pharmacognosy magazine*, Apr-Jun 6(22) (Suppl.), S155-S156. ISSN: 0973-1296
127. Krvavac, J., Salihovic, M., Selman, S., Klepo, L., **Tahirovic, I.**, Sofic, E. (2010). Determination of arbutin in extracts of *Arctostaphylos uva ursi* L., *Vaccinium vitis-idaea* L. and *Vaccinium macrocarpon* Ait. using high pressure liquid chromatography with electrochemical detection. Abstracts Book of 6<sup>th</sup> CMAPSEEC, Antalya, Turska, 18-22. april. *Pharmacognosy magazine*, Apr-Jun 6(22) (Suppl.), S151-S152. ISSN: 0973-1296
128. Karacic, D., Muradic, S., Dragosevic, G., **Tahirovic, I.**, Salihovic, M., Sofic, E. (2010). Comparison of content of alliin, diallyl disulfide, reduced glutathione and L-cysteine in leaves and bulbs of garlic and ramson. Abstracts Book of 6<sup>th</sup> CMAPSEEC, Antalya, Turska, 18-22. april. *Pharmacognosy magazine*, Apr-Jun 6(22) (Suppl.), S147. ISSN: 0973-1296
129. Karacic, D., Muradic, S., Dragosevic, G., **Tahirovic, I.**, Salihovic, M., Sofic, E. (2010). Utilisation of HPLC with electrochemical, fluorescence and UV detectors for analysis of sulphur compounds in garlic, and wild garlic. 6<sup>th</sup> CMAPSEEC, Antalya, Turska, 18-22. april. *Pharmacognosy magazine*, Apr-Jun 6(22) (Suppl.), S147. ISSN: 0973-1296
130. Toromanovic, J., **Tahirovic, I.**, Huseinovic, S., Muradic, S., Kalcher, K., Salihovic, M., Sofic, E. (2010). Total content of phenols in some fruits using different extracting solvents. Abstracts Book of 6<sup>th</sup> CMAPSEEC, Antalya, Turska, 18-22. april. *Pharmacognosy magazine*, Apr-Jun 6(22) (Suppl.), S151. ISSN: 0973-1296
131. Sofic, E., Vranic, E., Salihovic, M., **Tahirovic, I.**, Kroyer, G. (2010). Determination of rutin in various medicinal plants from Bosnia. Abstracts Book of 6<sup>th</sup> CMAPSEEC, Antalya, Turska, 18-22. april. *Pharmacognosy magazine*, Apr-Jun 6(22) (Suppl.), S148. ISSN: 0973-1296



132. **Tahirovic, I.**, Sapcanin, A., Dzudzevic-Cancar, H., Salkovic-Petrisic, M., Riederer, P., Sofic, E. (2009). Brain antioxidant capacity and catalase activity in rat models of betacytotoxic-induced experimental sporadic Alzheimer's disease and diabetes mellitus. DAAD collaborators meeting, Zagreb, oktobar 23-25.
133. Dzudzevic-Cancar, H., Sapcanin, A., **Tahirovic, I.**, Riederer, P., Sofic, E. (2009). Determination of beta-amyloid and tau-protein in CSF-human samples of various pathochemical conditions. DAAD collaborators meeting, Zagreb, oktobar 23-25.
134. Sapcanin, A., **Tahirovic, I.**, Dzudzevic-Cancar, H., Salkovic-Petrisic, M., Riederer, P., Sofic, E. (2009). Brain superoxide dismutase activity in rats treated with STZ and iron chelators. DAAD collaborators meeting, Zagreb, oktobar 23-25.
135. **Tahirovic, I.**, Sapcanin, A., Dzudzevic-Cancar, H., Salkovic-Petrisic, M., Hoyer, S., Riederer, P., Sofic, E. (2009). Brain antioxidant capacity and catalase activity in rat models of betacytotoxic-induced experimental sporadic Alzheimer's disease and diabetes mellitus. 2<sup>nd</sup> International Congress on ADHD, Vienna, Austria, maj 21-24.
136. Sapcanin, A., **Tahirovic, I.**, Dzudzevic-Cancar, H., Salkovic-Petrisic, M., Hoyer, S., Riederer, P., Sofic, E. (2009). Brain antioxidant capacity and superoxide dismutase activity in rat models of betacytotoxic-induced experimental sporadic Alzheimer's disease and diabetes mellitus. 2<sup>nd</sup> International Congress on ADHD, Vienna, Austria, maj 21-24.
137. Salihovic, M., Selman, S., Toromanovic, E., **Tahirovic, I.**, Dzudzevic-Cancar, H., Sofic, E. (2009). Determination of rutin in Ruta extracts using High presse liquid chromatography with electrochemical detector. 69<sup>th</sup> International Congress of FIP, Istanbul, Turska, 3-8 septembar. *Abstract Book*, p.181.
138. Ibrulj, A., **Tahirovic, I.**, Sapcanin, A., Klepo, L., Sofic, E. (2009). Determination of antioxidant capacity in *Ginkgo biloba* L. extracts. 69<sup>th</sup> International Congress of FIP, Istanbul, Turska, 3-8 septembar. *Abstract Book*, p.182.
139. Toromanovic, J., Muradic, S., Sapcanin, A., Salihovic, M., **Tahirovic, I.**, Sofic, E. (2009). Total content of phenols and rutin in flowers, leaves, stems, roots and seeds of buckwheat, *Fagopyrum sagittatum* G. (Polygonaceae) from Bosnia. 69<sup>th</sup> International Congress of FIP, Istanbul, Turska, 3-8 septembar. *Abstract Book*, p.182.
140. Huseinovic, S., Muradic, S., Salihovic, M., **Tahirovic, I.**, Toromanovic, J., Sapcanin, A., Sofic, E. (2009). Determination of rutin in buckwheat (*Fagopyrum sagittatum* G.) from Bosnia using high presse liquid chromatography with electrochemical detector. 69<sup>th</sup> International Congress of FIP, Istanbul, Turska, 3-8 septembar. *Abstract Book*, p.184.
141. Sapcanin, A., **Tahirovic, I.**, Sofic, E. (2007). Utilization of oxygen radical absorbance capacity (ORAC) technique in neuroscience. 15<sup>th</sup> International Symposium "Spectroscopy in Theory and Practice", April 18-21, Nova Gorica, Slovenia. *Book of Abstracts*, p.111.
142. Ljubijankic, N., Popovic-Javoric, R., Sapcanin, A., **Tahirovic, I.**, Sceta, S., Sofic, E. (2007). Daily fluctuation of cortisol in the saliva and serum of healthy persons. Abstracts of the 15<sup>th</sup> Meeting of Balkan Clinical Laboratory Federation, 04-07 September, Antalya, Turkey, *Balkan Journal of Clinical Laboratory*, XIV (07/1), p.80. ISSN: 1310-4543
143. Sofic, E., Wichart, I., Copra, A., Sapcanin, A., **Tahirovic, I.**, Riederer, P. (2007). The Metabolic Turnover of Biogenic Amines and Serotonin in the Body Fluids of Man. 15<sup>th</sup> Meeting of Balkan Clinical Laboratory Federation, 04-07 September, Antalya, Turkey, *Balkan Journal of Clinical Laboratory*, XIV (07/1), p.80-81. ISSN: 1310-4543
144. **Tahirovic, I.**, Sapcanin, A., Sofic, E., Salkovic-Petrisic, M., Z., Hoyer, S., Riederer, P. (2007). Brain antioxidant capacity in rat models of betacytotoxic-induced experimental sporadic Alzheimer's disease and diabetes mellitus. 15<sup>th</sup> Meeting of Balkan Clinical Laboratory Federation, 04-07 September, Antalya, Turkey, *Balkan Journal of Clinical Laboratory*, XIV (07/1), p.81. ISSN: 1310-4543
145. Toromanovic, J., Kovac-Besovic, E., **Tahirovic, I.**, Sapcanin, A., Rimpapa, Z., Kroyer, G., Sofic, E. (2007). Analysis of hippuric acid in urine of man after ingestion of edible fruits. 15<sup>th</sup> Meeting of Balkan Clinical Laboratory Federation, 04-07 September, Antalya, Turkey, *Balkan Journal of Clinical Laboratory*, XIV (07/1), p.82. ISSN: 1310-4543
146. **Tahirovic, I.**, Sofic, E., Sapcanin, A., Gavrankapetanovic, I., Salkovic-Petrisic, M., Lackovic, Z., Riederer, P. (2006). Antioxidant capacity in the hippocampus, cerebellum and brainstem of rat model of cerebral diabetes. DAAD-Workshop, Sarajevo, February 9-12, Bosnia and Herzegovina.
147. **Tahirovic, I.**, Sofic, E., Sapcanin, A., Gavrankapetanovic, I., Salkovic-Petrisic, M., Lackovic, Z., Riederer, P. (2006). Antioxidant capacity in the brain tissues of rat after application of streptozotocin, alloxan and thioglucose. First Bosnia and Herzegovinas Congress on Pharmacy, May 4-6, Sarajevo, Bosnia and Herzegovina.

148. **Tahirovic, I.**, Sapcanin, A., Sofic, E., Gavrankapetanovic, I., Salkovic-Petrisic, M., Lackovic, Z., Riederer, P. (2006). Antioxidant capacity in the brain tissues of rat model of cerebral diabetes. 31. FEBS Congress: Molecules in Health and Diseases, June 24-29, Istanbul, Turkey.
149. **Tahirovic, I.**, Sapcanin, A., Sofic, E., Gavrankapetanovic, I., Salkovic-Petrisic, M., Lackovic, Z., Riederer, P. (2006). Antioxidant capacity in the brain tissues of rat model of cerebral diabetes. Second Bosnia and Herzegovina Congress of Neurology, November 9-12, Mostar, Bosnia and Herzegovina.
150. Sapcanin, A., **Tahirovic, I.**, Sofic, E., Salkovic Petrisic, M., Lackovic, Z., Riederer, P. (2006). Antioxidant capacity in the brain tissues of Alzheimer's disease experimental rat model. Second Bosnia and Herzegovina Congress on Neurology, November 9-12, Mostar, Bosnia and Herzegovina.
151. Sofic, E., **Tahirovic, I.**, Sapcanin, A., Riederer, P. (2006). Reduction of antioxidant capacity in the postmortem parkinsonian substantia nigra. Second Bosnia and Herzegovina Congress of Neurology, November 9-12, Mostar, Bosnia and Herzegovina.
152. Sapcanin, A., Sofic, E., **Tahirovic, I.**, Gavrankapetanovic, I., Salkovic-Petrisic, M., Lackovic, Z., Riederer, P. (2006). Antioxidant capacity in the frontal cortex and brainstem-cerebellum of experimental rat model of Alzheimer's disease. DAAD-Workshop, February 9-12, Sarajevo, Bosnia and Herzegovina.
153. Sapcanin, A., Sofic, E., **Tahirovic, I.**, Gavrankapetanović, I., Salkovic-Petrisic, M., Riederer, P. (2006). Oxidative stress in the brain tissue of rat after administration of streptozotocin and alloxan. First Bosnia and Herzegovinas Congress on Pharmacy, May 4-6, Sarajevo, Bosnia and Herzegovina.
154. Sofic, E., Rustembegovic, A., Sehovic, P., Muradic, S., Sapcanin, A., **Tahirovic, I.**, Huseinovic, S., Wichart, I. (2006). Changes in plasma prolactine and plasma leptin in patients with psychosis treated with antipsychotics. First Bosnia and Herzegovinas Congress on Pharmacy, May 4-6, Sarajevo, Bosnia and Herzegovina.
155. Muradic, S., Huseinovic, S., Sapcanin, A., Sehovic, P., **Tahirovic, I.**, Sofic, E. (2006). Chemical composition of buckwheat (*fagopyrum* spp.) from Bosnia. First Bosnia and Herzegovinas Congress on Pharmacy, May 4-6, Sarajevo, Bosnia and Herzegovina.
156. Toromanovic, J., Sofic, E., Sapcanin, A., **Tahirovic, I.** (2006). Chemical composition and antioxidant capacity of common fruits and vegetables. Fourth Balkan Botanical Congress, June 20-26, Sofia, Bulgaria.
157. Sapcanin, A., **Tahirovic, I.**, Rimpapa, Z., Sofic, E., Kalcher, K. (2005). Antioxidant capacity decreases during growth but not aging in mouse brain and serum. 15<sup>th</sup> Meeting of Balkan Clinical Laboratory Federation, 04-07 September, Antalya, Turkey, *Balkan Journal of Clinical Laboratory*, XIV (07/1), p.81. ISSN: 1310-4543
158. Sofic, E., Rustembegovic, A., Wichart, I., Kundurovic, Z., Sapcanin, A., **Tahirovic, I.**, Pehlic, E. (2005). The effects of olanzapine on weight gain and plasma lipids, lipoproteins and hormones status. 8<sup>th</sup> World Congress of Biological Psychiatry, June 28 – July 03, Vienna, Austria.
159. Rimpapa, Z., Sofic, E., Sapcanin, A., Toromanovic, J., **Tahirovic, I.** (2005). Inhibition of neutral red photolysis with different antioxidants. 14<sup>th</sup> International Symposium "Spectroscopy in Theory and Practice", April 10-13, Nova Gorica, Slovenia. *Book of Abstracts*, p.47.
160. Sofic, E., **Tahirovic, I.**, Sapcanin, A., Rustembegovic, A., Gavrankapetanovic, I., Gavrankapetanovic, F., Riederer, P., Kalcher, K. (2005). Antioxidant capacity in the postmortem brain tissues of Parkinson's and Alzheimer's diseases. XIII World Congress of Psychiatry, September 10-15, Cairo, Egypt. (P01.P274).
161. **Tahirovic, I.**, Kalcher, K., Sapcanin, A., Pujic, Z. (2005). Butyrylthiocholine enzyme sensor for detection of cholinesterase inhibitors in real sample. XIX Croatian Meeting of Chemists and Chemical Engineers, April 24–27, Opatija, Croatia.
162. Rustembegovic, A., Sofic, E., Uzunovic, A., **Tahirovic, I.**, Sapcanin, A. (2005). Seroquel (quetiapine) for the treatment of agitation in patients with dementia. Proceedings of the 21<sup>st</sup> International Conference of Alzheimer's Disease, September 28 – October 01, Istanbul, Turkey.

.....  
**Prof. Dr Ismet Tahirović**