CURRICULUM VITAE

Lični podaci

Ime i prezime:	**Harun Kurtagić**, Ph.D.
Datum rođenja:	22.01.1964
Nacionalnost:	Bošnjak
Adresa stanovanja:	Osik 409, 71 210 Ilidža, Bosnia and Herzegovina
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RADNO ISKUSTVO

2017 – tekuće

Profesor za Analitičku hemiju i biohemiju, Farmaceutsko – zdravstveni fakultet, Travnik, Bosna i Hercegovina

- Odgovoran za organizaciju i izvođenje predavanja, ispita i izbora neophodne literature
- Mentorstvo

2012– tekuće

Šef Odsjeka za kontrolu životnih namirnica u laboratoriji Federalnog zavoda za poljoprivredu Sarajevo, Bosna i Hercegovina

- Odgovoran za rukovođenje, upravljanje materijalno-tehničkim resursima odsjeka
- Obuku osoblja, organizaciju validacije i akreditacije metoda za kontrolu hrane i hrane za životinje
- Aktivno učestvovanje u postavljanju novih laboratorijskih metoda analize
- Odgovoran za održavanje sistema akreditacije prema standardu EN/ISO 17025

2006– 2012

Stručni saradnik za kontrolu ostataka pesticida u Odsjeku za kontrolu životnih namirnica u laboratoriji Federalnog zavoda za poljoprivredu Sarajevo, Bosna i Hercegovina

- Odgovoran za razvoj i primjenu metoda analite hrane i hrane za životimnje metodama GCMS i LCMS/MS
- Aktivno učešće u postavljanju novih metoda fizičko-hemijskih analiza hrane i hrane za životinje

2004- 2006	**Stručni saradnik za kontrolu kvaliteta sirovina i gotovih proizvoda** u Odsjeku za kontrolu kvaliteta farmaceuske kompanije Bosnalijek DD Sarajevo, Bosna i Hercegovina – Razvoj i verifikacija metoda tankoslojne hromatografije tehnikom CAMAG za analizu nekih supstanci u gotovim proizvodima – Razvoj i verifikacija FT NIR Perkin Elmer metoda za identifikaciju sirovina u farmaceutskoj industriji – Izvođenje analiza veličine čestica tehnikom PSA Malvern – Izvođenje analiza tehnikom HPLC Shimadzu
2000 - 2004	**Šef Odsjek za In-procesnu kontroli** u Odsjeku za kontrolu kvaliteta farmaceuske kompanije Bosnalijek DD Sarajevo, Bosna i Hercegovina – Odgovorsan za rukovođenje, upravljanje materijalno-tehničkim sredstvima i opremom – Aktivno učešće u uvođenju standarda ISO 9001 i ISO 14001 u postupku certifikacije Bosnalijeka DD Sarajevo
1998 -2000	**Stručni saradnik za In-procesnu kontroli** u Odsjeku za kontrolu kvaliteta farmaceuske kompanije Bosnalijek DD Sarajevo, Bosna i Hercegovina – Odgovorna za kontrolu kvaliteta proizvoda u in-proces kontroli faramaceutske industruje Bosnalijek DD Sarajevo
1989 – 1992	**Hemijski tehnolog u sintezi** farmaceuske kompanije Bosnalijek DD Sarajevo, Bosna i Hercegovina – Odgovoran za rukovođenje hemijskom sintezom dijela vitamina B1 u saradnji sa švedskom Astra Company koristeći različite metode ekstrakcije, destilacije, hromatografije, i sl.)

OBRAZOVANJE

2008 – 2015	**PhD, Biološke nauke** Prirodno-matematički fakultet, Universitet u Sarajevu, Bosna and Hercegovina Odsjek za biologiju - ekologija Teza: *Flavonoidi kao bioindikatori polenskog satava i ekološkog kvalitete meda iz Bosne i Hercegovine* Na osnovu dobijenih rezultata može se zaključiti da je doktorska hipoteza potvrđena. Dokazano je zanačajno prisutvo flavonoida quercetina, rutina, hesperetina i naringenina u BiH medu bez obzira na geografsko ili botaničko porijeklo. Zaključaj je da je BiH med veoma zdrav za konzumenta.
1991 − 2003	**MSc, Hemijske nauke** Prirodno-matematički fakultet, Universitet u Sarajevu, Bosna and Hercegovina Odsjek za hemiju: Organska i biohemijska analitika Teza: Uticaj veličine čestica na stepen disolucije aktivnih komponenata iz nekih lijekova koji se proizvode u Farmaceutskoj kampaniji Bosnalijek DD Sarajevo
1984 − 1989	**Diplomirani inženjer hemije** Prirodno-matematički fakultet, Universitet u Sarajevu, Bosna and Hercegovina Odsjek za hemiju: Fizikalna hemija

PROFESIONALNE VJEŠTINE I ZNANJA

Stručnjak za mnoge analitičke metode posebno u području hromatografije, spektroskpopije i masene spektrometrije o čemu postoje na desetine certifikata o specijalističkim obukama.

GLAVNA NAUČNO-ISTRAŽIVAČKA PODRUČJA	Ostaci pesticida u hrani i stočnoj hrani, flavonoida, polenske analize, fizičko-hemijske analize, agrohemijske analize, hromatografske analize hrane i stočne hrane, fitohemijske analize itd.
TEKUĆE NAUČNE AKTIVNOSTI	Activni član European Cooperation for Science and Technology (COST) – COST CA 22105 BeSafeBeeHoney
JEZICI	Bosanski – maternji Engleski - tečno Njemački – napredni nivo Ruski – osnovno znanje
HOBI	Porodični život, druženje, šetnje, vožnja bnicikla, čitanje, čitanje o historiji i geografiji
DRUGE PROFESIONALNE VJEŠTINE I ZNANJA (with **Certificate)**	Particle size analyses in pharmaceutical Industry - PSA mastersizer 2000 Malvern HPLC Shimadzu LC-10 System TLC *(Thin Layer Chromatography)* Scanner 3 with software win Cats CAMAG FT NIR Perkin Elmer instrumentwithAssured System FT-IR spectrometer Spectrum 1000 – Perkin Elmer pH metre SEVEN EASY Multymeter ISO/IEC 17025:2005 / internal Auditor Pelkin Elmer Eqipments*: UV/Vis Lambda 25; AAS Analyst 100; GC Autosystem XL* HPLC Agilent 1200 MSD Chemstation and LC Chemstation software Agilent Validation of Chromatographic Analytical Methods LCMSMS- u Agilent 1260 Infinity, 6420 tiple Quad /*Method development and validation of pesticide residues by LCMSMS- u Agilent 1260 Infinity, 6420 triple Quad* BAS EN ISO 9001:2015 New technics of Karl Fischer method EN/ISO 17025:2017 - Reporting of results/statements of conformity

BIBLIOGRAFIJA

Originalni naučni radovi:

1. Ismet Tahirovića *, **Harun Kurtagić[b]**, Narcisa Smječanin[a] , Aldina Aldžić-Baltić[c] , Zehrina Bajramović[a] , Jasmin Toromanović[c] , Amira Čopra-Janićijević[a] , Muamer Dizdar[a] , Nermin Buza[d] **(2023).** Correlations of flavonoids content and antioxidant activity in bee honey from Bosnia and Herzegovina. Emirates Journal of Food and Agriculture. 35(4): 262-270.
2. **Harun Kurtagić,** Edita Sarić, Nevzeta Abdelfattah and Nađa Muratbegović (**2021**). Determination of Hydroxymethylfurfural Content (HMF) in Fresh Bee Honey Produced in Bosnia and Herzegovina (B&H) by HPLC DAD Method. ***International Journal of Environmental Sciences & Natural Resources,*** 26 (5): **175-180.**
3. Viktor Landeka[1] *, **Harun Kurtagić[1]** , Jovica Pažin[1] , Edita Sarić[1] (**2021**). Determination of honey quality in the context of physico-chemical and microbiological data in Bosnia and Herzegovina. Croatian Journal of Food Technology, Biotechnology and Nutrition vol.16 (1-2), 2021
4. Kahrović, Emira, Adnan Zahirović, Aleksandar Višnjevac, Irnesa Osmanković, Emir Turkušić and **Harun Kurtagić**. „Chalcone and Flavonol Copper(II) Complexes Containing Schiff Base Co-Ligand: Synthesis, Crystal Structures and Catecholase-like Activity.“ *Croatica Chemica Acta*, 91(2), (**2018**): 1-13.

5. **Harun Kurtagić**[1], Erna Skenderović[2], (**2017**) Quality determination of honey produced in Bosnia and Herzegovina (B&H) based on phisico-chemical data, Book of abstracts and full papers from second congressof beekeeping and bee products – with international participation – BEEKEEPING AND BEE PRODUCTS, 2(1): 84 – 89.
6. **Harun Kurtagić**, (**2017**) Polyphenols and flavonoids in honey- review paper. Food in Health and Disease, scientific – professional journal of nutrition and dietetics, 6(1): 28 -35. Review paper.
7. **Kurtagić H**.[a], Čopra-Janićijević A.[b], (**2016**) Determination of Pesticide Residues in Honey using GC-MS Techniques, Bulletin of Chemists and Technologists of Bosnia and Herzegovina, 46: 39 – 42.
8. **H. Kurtagić**[1], M. Memić[2]& S. Barudanović[2], (**2016**) Determination of type of honey produced in the different climatic regions of Bosnia and Hezegovina, International Journal of Environmental Science and Technology, 13(11): 2721 -2730.
9. **Harun Kurtagić**[1], Senka Barudanović[2] and Velida Durmić[2] (**2015**) Determination of Rutin, Quercetin, Naringenin and Hesperetin in the Honey from Bosnia and Herzegovina(B & H) in Relation to the Composition of Pollen, Journal of Environmental Science and Engineering A, 4 (12): 615-622.
10. Karalija E.[a], **Kurtagić H**.[b], Parić A.[a]* (**2014**) Kinetin Induced Changes in Rutin content in *Knautia sarajevensis* (G. Beck) Szabó Shoot Cultures, Bulletin of Chemists and Technologists of Bosnia and Herzegovina, 42: 45 – 48.
11. **Kurtagić H**., Redžić S., Memić M., Sulejmanović J. (**2013**) Identification and Quantification of Quercetin, Naringenin and Hesperetin by RP LC – DAD in Honey Samples from B&H, Bulletin of Chemists and Technologists of Bosnia and Herzegovina, 40: 25 – 30.
12. **Kurtagic H**., Memić M., Selović A. (**2013**) Effect of particle size on the dissolution of glibenclamide, International Journal of Pharmacy and Pharmaceutical Sciences, Vol 5 (3): 775 -779.

Kongresne komunikacije u formi postera i sažetaka:

1. **Harun Kurtagić*** Determination of the content of hydroxymethylfurfural (HMF) in fresh bee honey produced in Bosnia and Herzegovina (B&H) by HPLC DAD method, Book of Abstracts, H29 General Food of Analysis, 9th International Symposium on Recent Advances in Food Analysis, Prague Czech Republic, 5-8 November 2019.
2. **Harun Kurtagić***Xenobioticsas a danger of bee honey toxicity, Proceedings and abstracts from the third congress on beekeeping and bee products with international participation, 4 – 5 (2018), Bihać 2018.
3. Amna Bijedić[1], **Harun Kurtagić,** Technological quality of pomegranate marmelade on the market of Mostar, 1st International Balkan Chemistry Congress (M6-PS1-19285), 17-20 September 2018, Edirne, Turkiye.
4. **Kurtagić H**., Redžić S., Đelilović M. (2011). International Conference of Medical and Aromatic plants in generating of new values in 21st century, Academy of Sciences and Arts of Bosnia and Herzegovina, Simultenious Determination of some flavonoids in some honey by RP LC – DAD. Book of Abstracts 18: 254 – 255.
5. MANDAL, Sacira,CAUSEVIC, Adlija, VELIJA ASIMI, Zelija, **KURTAGIC, Harun,** ABDELFATTAH, Nevzeta, ADILOVIC, Muhamed, BRKOVIC, Esad, SEMIZ, Sabina. Association of free fatty acids with leptin in newly diagnosed Type 2 diabetes. *42nd FEBS CONGRESS, Biochemistry for Tomorrow's Medicine, September 03-08,2016, Kusadasi, Turkey*, The FEBS Journal 2016; 283(1): 244.
6. **Harun Kurtagić**[1], Suad Habeš[2], Erna Skenderović[3] (2016) Quality assessment of honey produced in Bosnia and Herzegovina (B&H) based on physico–chemical data. Congress of Bosnian-Herzegovinian American Academy of Arts and Sciences (BHAAAS), Neum, BiH, 26. – 29. May 2016. Oral presentation.
7. BuzaN., Subašić M., **Kurtagić H**., Toromanović J., Tahirović I. (2014) Quantification of proline in samples of honey using HPLC – ED. 1st Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, 10-12. October, PP-BB-09.
8. Redžić S., **Kurtagić H**., Prazina N., Tuka M., Avdagić T. (2011) The antimicrobial activity of honey in relation to the composition of pollen (Bosnia-Herzegovina, W. Balkan). Planta Medica 12 (77): 1259– SL62.
9. Šaciragić B.S., Redzić S., **Kurtagić H**. (2011) The contents of heavy metal (Pb, Cd and Zn) in plant Taraxacum officinale Weber. Planta Medica 12 (77): 1365 – PJ12.
10. Redžić S., **Kurtagić H**., Sejdić N., Palić A. (2011) Plant pigments in some medical plants of family *Lamiaceae* (Bosnia and Herzegovina, W. Balkans). Planta Medica, 12 (77): 1388 – PL63.

Objave u zbornicima radova:

1. Ismet Tahirović*, Dženita Helbet*, Adisa Gaštan*, Nermin Buza*, Muamer Dizdar*, Anela Topčagić*,Jasmin Toromanović, Amira Čopra-Janićijević*, **Harun Kurtagić♣**, (2017) Hydrophilic antioxidant scores against hydroxyl and peroxyl radicals in honey samples from Bosnia and Herzegovina,© Springer Nature Singapore Pte Ltd. 2017, A. Badnjevic (ed.), *CMBEBIH 2017*, IFMBE Proceedings 62: 429 – 434.
2. A. Bijedić[1], A. Mičijević[1], **H. Kurtagić[1]**, H. Omanović[1] (2016). VII International Scientific Agriculture Symposium „Agrosym 2016“, Jahorina, 2016. Bosnia &Herzegovina. Physical and Chemical characteristics of floral, meadow and forest honey in the area of Goražde municipality (Bosnia and Herzegovina). Book of Proceedings, 1295 – 1298.
3. **Kurtagić H**., Salman N. (2012) Methodology for control of pesticide residues in and on food in the context of European directives. IX symposium for plant protection in Bosnia and Herzegovina, Plant Protection Society in Bosnia and Herzegovina; Teslić, 06-08. November 2012.Oral presentation, Proceedings, 105 – 106.

KNJIGE:

1. **Harun Kurtagić (2024).** Flavonoids as Key Medicinal Components in Honey, Cambridge Scolars Publishing, ISBN (10): 1-5275-7576-4

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1. **Food Chemistry (2023)**, Electrochemical biosensor based on NAD(P)H-dependent Quinone Reductase for rapid and efficient detection of vitamin K3, Majd Khalife[1], Dalibor Stankovic[2], Vesna Stankovic[3], Julia Danicka[1,4], Francesco Rizzotto[1],Vlad Costache[1], Anny Slama Schwok[5], Philippe Gaudu[1], Jasmina Vidic[1],*, FOODCHEM-D-23-04036R1.
2. **Food Chemistry (2023)**, Effects of Various Extraction Conditions on Phenolic Compounds in Turkish Pine Honey, Huseyin Sahin1*, Ayca Aktas Karacelik1, Kaan Kaltalioglu1, FOODCHEM-D-23-01659.
3. **Cogent Food & Agriculture (2022),** Physico-chemical and microbiological characteristics of honey produced by stingless bees from the Oromia Region, Ethiopia, Teferi Damto*, Deresa Kebeba, Meseret Gemeda, COGENTAGRI-2022-1108.
4. **Food Chemistry (2022**), Multiresidue analysis of pesticides in four different pomegranate cultivars: investigating matrix effect variability by GC-MS/MS and LC-MS/MS, Rahul Damale1,2†, Anirban Dutta3†, Nasiruddin Shaikh1†, Anita Pardeshi1, Raviraj Shinde1, Kaushik Banerjee1* FOODCHEM-D-22-05763.
5. **Food Chemistry (2022),** A Comprehensive Quality Evaluation and Lipase Inhibitory Activity of Different Grades of Sennae Folium Integration of UPLC-Q-TOF/MS and MS/MS-Based Mass Spectral Molecular Networking. D. Zhang, L. Guo et all. Manuscript number: FOODCHEM-D-22-00741.
6. **Food Chemistry (2020)**, Comprehensive approach for simultaneous analysis of all main water-soluble vitaminsin multivitamin preparations by stability-indicating HPLC-DAD method, Žane Temova Rakuša, Andrej Grobin, Robert Roškar*, Manuscript Number: FOODCHEM-D-19-06053.
7. **Food Chemistry(2019)**, Cross sectional study of Lead traces in honey samples of SAN LUIS (ARGENTINA) using a spectrofluorimetric method, María Carolina Taliob, Mariano Acostaa, Liliana P. Fernández1 a,b. Manuscrip No. FOODCHEM-D-18-06994.
8. **Food Chemistry (2019)**, A simple, accurate and sensitive analytical strategy for propoxurdetermination in raisin samples using gas chromatography-masss spectrometry with matrix matching method after vortex assisted dispersive liquid-liquid microextraction and assessment of green profile, Tülay Borahana, Zeynep Tekina, Buse Tuğba Zamana, Dotse Selali Chormeya, Sezgin Bakirderea*, FOODCHEM-D-19-01492.
9. **Infrared Physics &Technology** (**2017**), VIS/NIR Imaging Application for Honey Floral Origin Determination, Saied Manaia,Ashamed Shaniera*,Gerri Polder, Nasrallah Moghadam-Charkaric, Saskia van Ruthde, Mohsen Barzegarf, Javad Zahirig, Martin Alewijne, Piotr M. Kuśdh, Manuscrip No. INFPHY_2017_217.
10. **Journal of Apicultural Research** (**2016**), A review of methods for honey sensory analysis, Gian Luigi Marcazzan, Carla Mucignat, Carla Marina Marchese, Lucia Piana, Manuscrip No. TJAR-2016-0098

Sarajevo, Mart 2025