

LIČNI PODACI

Nadira Ibrišimović Mehmedinović

📍 Urfeta Vejzagića 4, 75000 Tuzla (Bosnia and Herzegovina)

☎ +38735320907

✉ nadira.ibrisimovic@untz.ba

Spol Female | Datum rođenja 14/06/1982

https://scholar.google.com/citations?hl=en&view_op=search_authors&mauthors=nadira+ibrisimovic&btnG=

ORCID ID: 0000-0002-5111-5436

Web of Science ResearcherID [AHE-1511-2022](#)

RADNO ISKUSTVO

juli 2022- trenutno

Redovni profesor na naučnoj oblasti Opšta i neorganska hemija, odsjek Hemija, Prirodno-matematički fakultet, Univerzitet u Tuzli

decembar 2015– juli 2022

Vanredni profesor na naučnoj oblasti Opšta i neorganska hemija, odsjek Hemija, Prirodno-matematički fakultet, Univerzitet u Tuzli

decembar 2010–decembar 2015

Docent na naučnoj oblasti Opšta i neorganska hemija, odsjek Hemija, Prirodno-matematički fakultet, Univerzitet u Tuzli.

2007–2010

Viši asistent na Max F. Perutz Laboratories, Institut za biohemiju i molekularnu ćelijsku biologiju. Univerzitet Beč, Beč, Austrija.

OBRAZOVANJE I STRUČNO USAVRŠAVANJE

27.10.2009

Uspješna odbrana doktorske disertacije sa pohvalama, na Univerzitetu Beč, Beč, Austrija.

2007-2009

Doktorat iz oblasti hemije na Institutu za biohemiju i molekularnu ćelijsku biologiju. Univerzitet Beč, pod mentorstvom Prof. Dr. Fritza Pittnera, naziv doktorske teze: „*Contributions to the development of biomimetic, optical biosensors – feasibility studies and optimization of prototypes*”

2006-2007

Master teza pod mentorstvom Prof. Dr. Fritz Pittner (na Institutu za biohemiju i molekularnu ćelijsku biologiju i Institutu za farmaceutsku tehnologiju I biofarmaciju) pod nazivom: „*Quantification of biodegradable PLGA nanoparticles for drug targeting*”.

25.06.2007

Master diploma iz Hemije na Univerzitetu Beč.

PUBLIKACIJE

1. „Sensor for real-time monitoring of food degradation“ **N.Ibrisimovic**, M. Bauer, F. Pittner, „Nanobiotechnology“, June 2008
2. „Biomimetic sensor chip monitoring real-time food degradation: correlating chemical deterioration with microbiological status” **N. Ibrisimovic**, M. Barth, U. Bohrn, M. Ibrisimovic, F. Pittner, Chemical Monthly, 941-945, Volume 140. Number 8, August 2009
3. „Biomimetic PLGA sensor- Proof of principle and application” **N. Ibrisimovic**, M. Ibrisimovic M. Barth, U. Bohrn, M. Ibrisimovic,, Chemical Monthly, 125-130, Volume 141, Number 141, Volume 1,January 2010
4. „ Quantification of biodegradable PLGA- nanoparticles for drug targeting”, **N. Ibrišimović**, H. Al-Dubai, V. Kerleta, F. Gabor, F. Pittner, Acta Medica Academica, 2011
5. Original paper- Microbial biosensor- a new trend in the detection of bacterial contamination, **N. Ibrišimović**, M. Ibrišimović, A. Kesić, F. Pittner, Monatshefte für Chemie- Chemical Monthly- An International journal of Chemistry, Volume 146, Issue 8, pp 1363-1370, Springer Wien-New York- Heidelberg, April 2015
6. Original paper- Substrate addition and matrix optimization increased sensitivity and selectivity of the PLGA sensor, resulting in a stronger detection signal toward bacterial contaminations, M. Ibrišimović, A. Kesić, M. Mehmedinović, **N. Ibrišimović**, Biotech, Biomaterials and Biomedical: TechConnect Briefs 2015, Volume 3, p.183-186, Juni 2015, CRC Press, Taylor & Francis Group
7. Original paper- A polymer-based, optical biosensor chip for detection of microbial leucine aminopetidase (LAP) activity and its potential as a novel, medical diagnostic test, **N. Ibrišimović** Mehmedinović, M. Ibrišimović, A. Kesić, CMBEBIH 2015, 1th Conference of Medical and Biological Engineering in Bosnia and Herzegovina (CMBEBIH 2015), mart 2015, Sarajevo, BiH
8. Original paper- Influence of Polyphenol Content on Total Antioxidant Activity of Honey from Different Botanical and Geographical Origin, A. Kesić, A. Crnković, Z. Hodžić, **N. Ibrišimović**, European Journal of Scientific Research, Volume 89, No 4, pp. 500-511, EuroJournals Publishing

9. Original paper- Changes of antioxidant activity in honey as a result of Haber-Wais reaction, A. Kesić, A. Crnkić, **N. Ibrišimović Mehmedinović**, A. Šestan, B. Čatović, American Journal of Applied Chemistry, Volume 2, Issue 6, Decembar 2014, pp. 112-116, Science PG, 2014, USA,
10. Original paper - . The Influence of Thermal Treatment on the Concentration of HMF in Honey, A. Kesić, I. Zaimović, **N. Ibrišimović-Mehmedinović**, A. Šestan. International Journal of Environmental Chemistry 2017; 2(1): 1-5 <http://www.sciencepublishinggroup.com/j/ijec> doi: 10.11648/j.ijec.20170201.11
11. Original paper- Bioavailability of total antioxidants from natural food products (honey, cereals, herbs and wines) based on physical-chemical characteristics , A. Kesić, I. Zaimović, **N. Ibrišimović Mehmedinović**, A. Šestan, S. Kunosić. Bioavailability of total antioxidants from natural food products (honey, cereals, herbs and wines) based on physical-chemical characteristics. Journal of Chemical, Biological and Physical Sciences JCBPS; Section B; May 2018 – July 2018, Vol. 8, No. 3; 521-535, E- ISSN: 2249 –1929 [DOI:10.24214/jcbps.B.8.3.52135.]
12. Perspective potential of polymer-based biosensor chips in food industry and clinical diagnostics, **N. Ibrišimović Mehmedinović**, M. Ibrišimović, A. Kesić, S. Marić.. Book: Biodegradable Polymers: Recent Developments and New Perspectives. May 2017 DOI: 10.5599/obp.14.9
13. Original paper- Chromatographic isolation of superoxide dismutase enzyme from *Calendula officinalis* and its anticancer activity in vitro, **N. Ibrišimović Mehmedinović**, M. Ibrišimović, J. Dedić, European Journal of Scientific Research, Volume 144 Issue 2, 2017
14. Original paper- Effects of various metal and drug agents on excretion of enzyme aspartyl proteinase in *Candida albicans* and its role in human physiological processes, M. Ibrišimović, **N. Ibrišimović Mehmedinović**, J. Dedić, A. Kesić, S. Marić, A. Šestan, CMBEBIH 2017, IFMBE Proceedings of the International Conference on Medical and Biological Engineering 2017, Volume 62, 2017, Springer Singapore, DOI 10.1007/978-981-10-4166-2_110, ISBN: 978-981-10-4165-5
15. Original paper- The Bioavailability of Manganese in the Marigold (*Calendula officinalis* L.) grown on alkaline soil, Z. Hodžić, M. Saletović, A. Crnkić, A. Kesić, **N. Ibrišimović Mehmedinović**, A. Šestan, American Journal of Applied Chemistry, ISSN:2330-8753 , Vol.6 Issue2, May-June 2016, pp.141-145
16. Avdić-Ibrišimović M, Ibrišimović M, Ibrišimović Mehmedinović N, Hukić M. A Novel Spectrophotometric Assay for the Determination of Biofilm Forming Capacity of Causative Agents of Urinary Tract Infections. International Journal of Engineering Research and Technology (IJERT). Volume 6-Issue 04. April 2017.
17. Balihodzic A., Henic H., Maltez N., Mrzic A., Music E., Omerbasic Z.,

- Salhab A., El-Amin Zeid M., Ibrisimovic Mehmedinovic N., Salihovic V., Galijasevic S., Ibrisimovic M. - Alternative approaches for total protein isolation from human blood leukocytes. 2nd Conference of Medical and Biological Engineering in Bosnia and Herzegovina (CMBEBiH 2017), March 2017.
18. Balihodzic A., Henic H., Maltez N., Mrzic A., Music E., Omerbasic Z., Salhab A., El-Amin Zeid M., Ibrisimovic Mehmedinovic N., Salihovic V., Galijasevic S., Ibrisimovic M. Protein extraction from human white blood cells under influence of donor-related factors. Fifth International Student Congress in Austria, 27 May 2017.
 19. Balihodzic A., Henic H., Maltez N., Mrzic A., Music E., Omerbasic Z., Salhab A., El-Amin Zeid M., Ibrisimovic Mehmedinovic N., Galijasevic S., Ibrisimovic M. Factors affecting total protein extraction from human leukocytes. European Journal of Scientific Research, Volume 144 Issue 2, 2017.
 20. Original paper- Distribution of Heavy Metals (Cr, Cu, Ni, Pb and Zn) in the sediment of some tributaries and the part of the river Spreča flow presented by the Krigging geostatistical method, A. Šestan, E. Hadžimustafić, I. Šestan, A. Kesić, **N. Ibrišimović Mehmedinović**, International Journal of Research Methodology, Human Journals, Vol.1, Issue 4, 2019
 21. Original paper- Insulin Acts as Stimulatory Agent in Diabetes-Related Escherichia Coli Pathogenesis, Madacki-Todorović K., Eminović I., **Ibrišimović Mehmedinović N.**, Ibrišimović M., International Journal of Diabetes and Clinical Research. Issue 4, Volume 5, December 2018
 22. Original paper- The Content of Total Polyphenols of the Selected Red Wines from the Territory of Tuzla Canton in Correlation with Antioxidant Activity, A. Kesić, B. Smajlović, **N. Ibrišimović-Mehmedinović**, Z. Hodžić, A. Šestan, J. Dedić, M. Tupajić. IJRM International Journal of Research Methodology. Vol.2 Issue: 1, 2019
 23. Original paper- Optical activity, total phenolic content and color intensity of nectarian honey and honeydew A. Kesić, S. Čelan, **N. Ibrišimović Mehmedinović**, A. Šestan. European Journal of Food Science and Technology. Vol.8, No.1, pp.12-33, February 2020. Published by ECRTD UK. Print ISSN: 2056-5798, Online ISSN: 2056-5801
 24. Original paper -“Physiological imbalance of urogenital microbiota due to supplementation with diazepam as trigger for development of infectious disease” A. Balihodžić., **N. Ibrišimović Mehmedinović**, S. Tinjić, K. Madacki Todorović, S. Galijašević, M. Ibrišimović. International Journal of Recent Scientific Research Research Vol. 12, Issue, 09 (C), pp. 43110-43116, September, 2021, DOI: 10.24327/IJRSR
 25. Original paper -“Impact of Diuretics on Metabolic Activity of Urogenital Tract Microbiota in Women” A. Balihodžić, **N. Ibrišimović Mehmedinović**, S. Tinjić, S. Galijašević, K. Madacki-Todorović, I. Eminović, L. Hasanbegović,

M. Ibrišimović, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958 (Online), Volume-11 Issue-1, October 2021, DOI: 10.35940/ijeat.F2988.1011121

26. Original paper -“Anthropogenic influence on the degree of contamination by heavy metals of sediment river Spreča and selected tributaries” A. Šestan, D. Ivanković, A. Kesić , N. **Ibrišimović Mehmedinović**, B. Čatović, International Journal of Engineering Science Invention (IJESI) ISSN (Online): 2319-6734, ISSN (Print): 2319-6726, October 2021
27. Original paper- „Presence and metabolic activity of infectious agents as important clinical factor in gynaecological cytology“, Maida Hasanović, **Nadira Ibrišimović Mehmedinović**, Mirza Ibrišimović. International Journal of Latest Research in Engineering and Technology (IJLRET). ISSN: 2454-5031, Volume 07 - Issue 11, PP. 07-13. November 2021
28. Original paper- „Comparative analysis of milk samples from Bosnia and Herzegovina contaminated with Aflatoxin M1“ Aldina Kesić, Mersiha Hodžić, **Nadira Ibrišimović Mehmedinović**, Almir Šestan, European Journal of Food Science and Technology, Vol. 9., No.3., pp 1-15, Print ISSN:ISSN 2056-5798, Online ISSN:ISSN 2056-5801, December 2021
29. Original paper- Influence of mineral substances on the excretion of specific enzymatic activity of fungal pathogens as important recognition factor for the identification of invasive infections, J. Dedić, N. **Ibrišimović Mehmedinović**, M. Ibrišimović, A. Kesić, Z. Hodžić and N. Hadžigrahić. American Journal of Engineering Research (AJER). e-ISSN: 2320-0847 p-ISSN : 2320-0936, Volume-11, Issue-01, pp-138-144, January 2022
30. Original paper- „Immunomodulatory ability of Honey enriched with Propolis“, Stipe Čelan, Aldina Kesić, Nadira Ibrišimović Mehmedinović, Aida Crnkić, Almir Šestan, European Journal of Food Science and Technology (Vol.10, No.1, pp.1-19, 2022 Print ISSN: ISSN 2056-5798 (Print) Online ISSN: ISSN 2056-5801(online))
31. Original paper-“ The synergistic action of thrombocyte-enriched plasma and antibiotics can further reduce the virulence of microbial pathogens”, Tea Bećirević, Izet Eminović, **Nadira Ibrišimović Mehmedinović**, Edin Omeragić, Edin Falan, Ermin Papračanin, Mirza Ibrišimović (2023) JCBPS; Section B; August 2023 to October 2023, Vol. 13, No.4; 528-536
32. Original paper- „ Evaluation of platelet-enriched plasma antimicrobial effect: in vitro study”, Tea Bećirević, Izet Eminović, Nadira Ibrišimović Mehmedinović, Edin Omeragić, Edin Falan, Ermin Papračanin, Mirza Ibrišimović. Medicon Engineering Themes, Volume 6, Issue 2, ISSN: 2834-7218, February 2024
33. Original paper- „ Influence of neutrophil elastase on total antioxidative capacity at elderly and geriatric patients. Emına Subašić, Izet Eminović, Nadira Ibrišimović Mehmedinović, Edin Omeragić, Harun Uzunalić and

Mirza Ibrišimović (2023), JCBPS; Section B; August 2023 to October 2023, Vol. 13, No.4; 412-427

34. Original paper- „ InVitro research of the neutrophil elastase inhibitory effects on the bacterias Pseudomonas aeruginosa i Klebsiella pneumoniae. Emina Subašić, Izet Eminović, Nadira Ibrišimović Mehmedinović, Edin Omeragić and Mirza Ibrišimović JCBPS; Section B; February 2024 to April 2024, Vol. 14, No.2; 026-038
35. Original paper- „ Corticosteorid- induced expression of microbial virulence can enhance the development of host infectious disease, Kamelija Madacki-Todorović, Izet Eminović, Nadira Ibrišimović Mehmedinović, Mirza Ibrišimović, MEDIS-Medical Science and Research, 3(2), 19-24, doi:10.35120/medisij030219m, 2024

KNJIGE I POGLAVLJA

1. Udžbenik „Antioksidansi-oksidacijski stres i antioksidacijska zaštita “ autora Aldine Kesić, Nadire Ibrišimović Mehmedinović i Almira Šestana, odobren od strane Senata Univerziteta u Tuzli 12.01.2022.g pod brojem 03-77-1-15.1/22
ISBN 978-9958-31-501-5, 2022.godine, CIP-Katalogizacija u publikaciji Nacionalna i univerzitetska biblioteka Bosne i Hercegovine, Sarajevo 66.094.3.097.8(075.8), COBISS.BH-ID 47449862
2. Udžbenik “Molecular Laboratory Immunology”, autora Mirze Ibrišimović, Kamelije Madacki Todorović, Nadire Ibrišimović Mehmedinović, izdavač Sarajevo School of Science and Technology, ISBN 978-9926-8542-3-2, 2021.godine, CIP-Katalogizacija u publikaciji Nacionalna i univerzitetska biblioteka Bosne i Hercegovine, Sarajevo 612.017:577.1(075.8)(076), ISBN 978-9926-8542-3-2 COBISS.BH-ID 45240582
3. Udžbenik „Essentials of Human Physiology With Practical Examples“ autora Mirza Ibrišimović, Marklena Čarovec, Anes Jogunčić, Nadira Ibrišimović Mehmedinović, Tarik Jarkoč, izdavač Univerzitet Sarajevo School of Science and Technology, 2020 godine
CIP-Katalogizacija u publikaciji Nacionalna i univerzitetska biblioteka Bosne i Hercegovine, Sarajevo 612, ISBN 978-9926-8542-0-1 COBISS.BH-ID 41967622
4. Udžbenik „Uvod u laboratorijski rad“ autora Nadire Ibrišimović Mehmedinović, Jasmine Dedić, Mirze Ibrišimovića i Aldine Kesić, odobren od strane Senata Univerziteta u Tuzli 07.10.2015.g pod brojem 03-5285-9.2/15
CIP-Katalogizacija u publikaciji Nacionalna i univerzitetska biblioteka Bosne i Hercegovine, Sarajevo 542(075.8) ISBN 978-9958-31-226-7 COBISS.BH-ID 22459910
5. Knjiga „A novel, biosensor-chip for real-time monitoring of bacterial spoilage - Application in food industry and healthcare” autora Mirze Ibrišimović, Nadira Ibrišimović . „A novel, biosensor-chip for real-time monitoring of bacterial spoilage - Application in food industry and healthcare”. Izdavača AV AkademikerVerlag, ISBN: 978-3-330-50901-6, Januar 2017.

6. Poglavlje u knjizi- NEW INNOVATIONS IN CHEMISTRY AND BIOCHEMISTRY, Vol. 4, Chapter 11: Determining Antioxidant Activity in Honey as a Result of Haber-Wais Reaction“, Aldina Kesić, Nadira Ibrišimović Mehmedinović, Almir Šestan, Aida Crnkić, Benjamin Čatović, pp 126-136, Print ISBN:978-93-5547-112-3, <https://doi.org/10.9734/bpi/nicb/v4/14087D>, oktobar 2021
7. Poglavlje u knjizi “BIODEGRADABLE POLYMERS: RECENT DEVELOPMENTS AND NEW PERSPECTIVES”; Chapter: Perspective potential of polymer-based biosensor chips in food industry and clinical diagnostics; Authors: Nadira Ibrišimović-Mehmedinović, Mirza Ibrišimović, Aldina Kesić and Snježana Marić. IAPC-Open Book Platform, ISBN: 978-953-56942-5-0, Maj 2017.

PATENTI I INOVACIJE

Patent: Ibrišimović, N., Pittner, F., Ibrišimović, M., Barth, M., Bohrn, U. (2009). Device comprising a polymer layer and a reflecting layer. EP2278300 A1, Europe and USA.

Patent: „Device comprising two reflecting layers and a polymer layer for analyzing the age and/or quality of natural products“, U7098/DB, PCT/EP2007/063895

Međunarodni naučno – istraživački projekti

ISTRAŽIVAČKI PROJEKTI

1. Voditelj FP7 projekta: FUNGITECT “Optimized Diagnostics for Improved Treatment Stratification in Invasive Fungal Diseases ” FP projekt: [HEALTH.2013.2.3.1-2] [Stratified approaches to antibacterial and/or antifungal treatment] 2014-2019
2. Projekt: „Fresh stripe sensor“, with Sony DADC, 2008-2009; Austrija
3. Projekt: „Sensor for detection of meat degradation“, AGES (Austrian Agency for Health and Food Safety), 2007-2009; Austrija.

Domaći naučno – istraživački projekti:

4. Voditelj projekta „**Antioksidacijski i antimikrobni potencijal kombinovane terapije nanočestica srebra i trombocitima obogaćene plazme (PRP) u biološkim sistemima**“ odobrenom po *Javnom pozivu za dodjelu sredstava za sufinansiranje programa putem kojih se ostvaruju opći interesi i strateški ciljevi u naučnoistraživačkom radu Tuzlanskog kantona* u 2024. godini,
5. Voditelj projekta: „**Biosenzor - brzi test za detekciju zagađenja u vodi**“ odobrenog i finansiranog od strane Federalnog ministarstva obrazovanja i nauke, 2019.g
6. Voditelj projekta „**Utjecaj mineralnih materija na metaboličku aktivnost patogenih mikroorganizama**“, odobrenog od strane Federalnog ministarstva obrazovanja i nauke, Interni poziv Univerziteta u Tuzli 2016.g.

7. Učesnik projekta „**11. Dani prirodnih znanosti 2024**“ pod temom „Suvremeni trendovi u prirodnim znanostima“ odobrenog od strane Federalnog ministarstva obrazovanja i nauke 2024.g br.ugovora 05-35-3487-3-1/24
8. Učesnik projekta „**Antioksidativni kapacitet zdravih namirnica i procjena njihovog uticaja na imunološki sistem čovjeka**“ finansiran od strane Federalnog ministarstva obrazovanja i nauke 2023.g br ugovora 01-3840-VI-1/23, voditelja dr.sc. Aldine Kesić, red. prof.
- 9.
10. Učesnik projekta: **Ispitivanje antropogenog uticaja na hemizam, indikatore kvalitete i koncentracije odabranih hemijskih elemenata rijeke Bregave**“ odobrenog i finansiranog od strane Federalnog ministarstva obrazovanja i nauke za 2022.g, voditelja dr.sc. Almir Šestan, vanr. prof
11. Učesnik projekta: „**Uticaj hemijskih i bioloških aktivnih supstanci na mikrobiološke i fiziološke procese urogenitalnog trakta, kao i na funkciju reproduktivnog sistema**“. Financiran od strane Ministarstva za obrazovanje, nauku i mlade Kantona Sarajevo, Bosna i Hercegovina. 30.09.2019-30.06.2021 (Broj: 11/05-14-27647-1/19).
12. Učesnik projekta „**Uticaj termalne obrade i koncentracije polifenola i mikrobiogenih elemenata na antioksidacijsku aktivnost prirodnih prehrambenih proizvoda sa područja Bosne i Hercegovine**, odobrenog od strane Federalnog ministarstva obrazovanja i nauke, Interni poziv Univerziteta u Tuzli 2013.g, voditelja dr.sc. Aldine Kesić, docenta.

JEZICI

Maternji jezik Bosanski

Drugi jezici

	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
Engleski I njemački	C2	C2	C2	C2	C2

Nivoi: A1 i A2: Početnik - B1 i B2: Samostalni korisnik - C1 and C2: Napredni korisnik

- Odlične kompjuterske vještine (MS Office, data bases)
- Brzo upoznavanje novih metoda i softvera
- Timski igrač
- Odlične organizacijske i koordinacijske vještine

