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OBRAZOVANJE

- **Prirodno-matematički fakultet Univerziteta u Sarajevu** **2009**
Doktor bioloških nauka
- Tema disertacije „Polimorfizama mtDNK haplogrupa u lokalnim ljudskim populacijama tuzlanske regije“
- **Prirodno-matematički fakultet Univerziteta u Sarajevu –odsjek Biologija - postdiplomski studij**
Magistar bioloških nauka **2003**
- Tema magistarskog rada „Genetička distanca među lokalnim ljudskim populacija sjeveroistočne Bosne “.
- **Visoka stručna sprema – Profesor biologije i hemije**
Filozofski fakultet Univerziteta u Tuzli **1993-1998**
Odsjek: Biologija - hemija
- **Srednje obrazovanje - mašinski tehničar**
Mašinsko-tehnička škola „ Đuro Pucar Stari“, Bratunac **1988-**
1992
- **Osnovno obrazovanje i vaspitanje**
škola „ Vuk Karadžić“ Bratunac **1980-1988**

RADNO ISKUSTVO:

- **Prirodno-matematički fakultet Univerziteta u Tuzli** **2023-**
Odsjek: Biologija
- Redovni profesor
- Naučna oblast „Genetika, biologija ćelije i mikrobiologija“

- **Prirodno-matematički fakultet Univerziteta u Tuzli** **2015-2023**
Odsjek: Biologija
Vanredni profesor
Naučna oblast „Genetika, biologija ćelije i mikrobiologija“

- **Prirodno-matematički fakultet Univerziteta u Tuzli** **2010-2015**
Odsjek: Biologija
Docent
Naučna oblast „Genetika, biologija ćelije i mikrobiologija“

- **Prirodno-matematički fakultet Univerziteta u Tuzli** **2003-2010**
Odsjek: Biologija
Viši asistent
Naučna oblast „Genetika, biologija ćelije i mikrobiologija“

- **Prirodno-matematički fakultet Univerziteta u Tuzli** **1999-2003**
Odsjek: Biologija
Asistent
Naučna oblast „Genetika, biologija ćelije i mikrobiologija“

- **Građevinsko-geodeska škola u Tuzli** **1999**
Profesor biologije

OBJAVLJENI NAUČNI RADOVI

Naučni radovi:

1. Abudurahim Kalajdžić, Naris Pojskić, **Adisa Ahmić**, Merima Mirale, Lejla Lasić, Mirela Džehverović, Belma Jusić, Amela Pilav, Lejla Pojskić, Edin Bujak, Tarik Čorbo, Rifat Hadžiselimović: The First Insight into Mitochondrial DNA Haplogroup Prediction for a Population Originating from Medieval Bosnia. *Human Biology* 94 (4): 189-202 (2024). <https://doi.org/10.1353/hub.2017.a931432> (indeksacija: Web of Science; Science Citation Index Expanded, Social Sciences Citation Index, Biological Abstracts, BIOSIS Previews, Current Contents Life Sciences, Current Contents Social And Behavioral Sciences, Essential Science Indicators)
2. Kamberović, J.; Gligora Udovič, M.; Kulaš, A.; Tapolczai, K.; Orlić, S.; Jusufović, A.; Gajić, A.; Žutinić, P.; **Ahmić, A.**; Kalamujić Stroil, B. "The Diatom Diversity and Ecological Status of a Tufa-Depositing River through eDNA Metabarcoding vs. a Morphological Approach—A Case Study of the Una River (Bosnia and Herzegovina)" *Microorganisms* 2024, 12, 1722. <https://doi.org/10.3390/microorganisms12081722> (indeksacija: Web of Science: SCIE, Biological Abstracts, BIOSIS Previews, Elsevier Databases: Scopus, PubMed, Journal Citation Reports (JCR))
3. Emir Halilović, **Adisa Ahmić**, Abdurahim Kalajdžić, Anel Ismailović, Jasmina Čakar, Lejla Lasić, Amela Pilav, Mirela Džehverović, Naris Pojskić (2022): Paternal genetic structure of the Bosnian-Herzegovinian Roma: A Y-chromosomal STR study. *American Journal of human biology*. <https://doi.org/10.1002/ajhb.23719> (Indeksacija: Current Contents Life Sciences, Current Contents Social And Behavioral Sciences, Essential Science Indicators, Science Citation Index Expanded, Social Sciences Citation Index, Biological Abstracts, BIOSIS Previews)
4. Mujkić I, **Ahmić A**, Lasić L, Halilović E, Ismailović A, Pojskić N. (2022): The Mitochondrial landscape of the Konjuh and Majevisa mountains of northeastern Bosnia: The view in the context of genetic and demographic history. *Genetics & Applications*, 6(2):18-30. DOI: <https://doi.org/10.31383/ga.vol6iss2ga02> (Indeksacija: EBSCO, DOAJ, CAB Abstracts, Google Scholar, Global Health database, Crossref and Index Copernicus).
5. Hanjalić J, Ušanović L, Lasić L, Kalajdžić A, Kalamujić Stroil B, **Ahmić A**, Pojskić N. (2021): Applicability of microsatellite loci designed for cosmopolitan species for the investigation of endemic species: a case study of *Silene Sendtneri* Boiss. *The Bulletin of the Faculty of Forestry*, 31:55–63. DOI: <https://doi.org/10.7251/GSF2131055H> (Indeksacija: CAB abstracts, CrossRef, EBSCO, ROAD).
6. **Adisa Ahmic**, Irma Mujkic, Anel Ismailovic, Emir Halilovic, Lejla Lasic, Belma Kalamujic, Naris Pojskic (2019): Analysis of the mitochondrial *CYTB* gene sequence in human populations of northeastern Bosnia. *Anthropological Review*. Vol. 82(3): 219–238. (indeksacija: Web of Science, Zoological Record (Thomson Reuters), Scopus (Elsevier), Index Copernicus (Medical

7. **Adisa Ahmić**, Rifat Hadžiselimović, Elma Silajdžić, Irma Mujkić, Naris Pojskić (2019): MtDNA variation in three main ethnic groups in Tuzla Canton of Bosnia and Herzegovina. *Genetics&Applications*, Vol.3 (1): 14-23. EBSCO, DOAJ , CAB Abstracts, Google Scholar, Global Health database, Crossref.
8. **Adisa Ahmic** Belma Kalamujic, Anel Ismailovic, Lejla Lasic, Emir Halilovic, Irma Mujkic, Naris Pojskic (2018): Mitochondrial DNA diversity of the Roma from northeastern Bosnia, Bosnia and Herzegovina. *HOMO - Journal of Comparative Human Biology* 69, 347–356. (indeksacija: Current Contents , PubMed/Medline, Abstracts in Anthropology, Anthropological Index, Anthropological Literature, Biological Abstracts, BIOSIS Citation Index, Research Alert, Social Sciences Citation Index, Scopus, Social SciSearch)
9. HHalilović J, Džuzdanović N, **Ahmić A.** (2018): Somatic status and the state of naturalit of childern of baby gender of the basic school of the rural centers of Tuzla Canton. *Zbornik radova VI Međunarodnog naučnog skupa-Aktuelni problemi visokog obrazovanja i nauke*; 2018, 13 april; Brčko, Tom II: 98-118.
10. **Ahmić A**, Halilović E, Milić B. (2017): Genetic differentiation between two human population considering on some dymanic and static morphological properties. *Human Reasearch in Rehabilitation* 2017; 7 (2): 22-27. DOI:10.21554/hrr.091703 (Indeksacija: EBSCO, Index Corpenicus, Erih, DRJI. Sherpa/Romeo, CNKI Scholar, EuroPub).
11. Bačinović M, Bačinović S, Avdić A, **Ahmić A**, Širanović S. (2015): Dužina stopala djece i omladine sa područja Tuzle/Foot length in male and female children and youth from Tuzla area (Bosnia and Herzegovina). *Glasnik Antropološkog društva Srbije/Journal of the Anthropological Society of Serbia* 2015; 50:25–32. DOI:10.5937/gads1550025B (Indeksacija: SCIndex, WoS/Thompson-ISI citation indexes, DOAJ, CrossRef, CEES).
12. **Ahmić A**, JH Halilović, Hasić I, Hamidović H, Karić A (2015): Genetic structure of human population of Roma and non-Roma origin in the area of Tuzla region. *Proceedings of V International Congress Biomedicine and Geosciences-Influence of environment on human health*. 2015, March 3-4; Beograd, Serbia: 146-151.
13. **Ahmić**, E. Silajdžić, L. Lasić, B. Kalamujić, V. Hadžiavdzić, L. Kapur-Pojskić, K. Bajrović, R.Hadžiselimović and N. Pojskić (2014): Frequency of Main Western-Euroasian mtDNA Haplogroups and Paleolithic and Neolithic Lineages in the Genetic Structure of Population of Northeastern Bosnia. *Coll. Antropol.* 38 (3): 819-827. (indeksacija: Abstracts in Anthropology, Medline, PubMed, Anthropological Literature, Embase, International Bibliography of Social Sciences, Social Science, International center for scientific research (CIRS), JCR__SSS (Journal Citation Report), Linguistics & Language Behavior Abstracts, NCBI: Index medicus, Political Science Abstracts, ROAD (Directory of Open Access Scholarly Resources), Scopus, Social services abstracts, Sociological abstracts (SocINDEX), Web of Science
14. Hadžiavdzić, I. Eminović, D. Marjanović, H. Hamidović, **A. Ahmić**, A. Tursunović (2013): Genetic analysis of allelic variants, single-step mutation, three allelic variants of the 15 STR loci in the

population of northeast Bosnia. *Journal of the Anthropological Society of Serbia*. Vol. 48: 89-96. doi: 10.5937/gads1348089H (indeksacija: WoS/Thompson-ISI citation indexes)

15. **A. Ahmić**, N. Pojskić, E. Silajdžić, R. Hadžiselimović (2013): A Preliminary Study of the Paleolithic and Neolithic Contribution the European mtDNA Flow in Shaping the Genetic Structure of Recent Bosnian Population. *E. Scientific Journal*. Vol. 9.(36). (indeksacija: Google Scholar, EBSO, Open J gate, Index Copernicus, Gale's Academic Databases, ProQuest, Ulrich's, Electronic Journals Library, Scirus, West European Librarian, The University of North Carolina at Chapel Hill University Library, JournalSeek, AcademicKeys, Primo Central Index, Getcited, New Jour, electronic Journals and Newsletters, EyeSource, academia.edu, The Asian Education Index, Mendeley, Directory of Research Journals Indexing, Max Perutz Electronic Journals Library, WZB Berlin Social Research Center, CCG-IB BIBLIOTECA, DOAJ, JournalTOCs)
16. B. Muslimović-Bašić, **A. Ahmić**, I. Bašić, J. Hrnjić (2013): Assessment of nutritional status and perception of one's own weight for female adolescents from Travnik municipality. *Sport Science* Vol. 2 (6): 47-60. UDK 796, ISSN 1840-3670. (indeksacija: ProQuest CSA Physical Education Index, ProQuest CSA Natural Sciences, ProQuest CSA Social Sciences, CAB Abstracts, CABI Leisure Recreation and Tourism Abstracts, CABI Leisure Tourism Database, CABI Global Health, CABI Nutrition Abstracts and Reviews Series A: Human and Experimental, SafetyLit, FSO, CABI Abstracts on Hygiene and Communicable Diseases, Elsevier Scopus, Open-JGate, getCITED, Genamics Journal Seek, Electronic Journals Index (SJSU), Directory of Open Access Journals (DOAJ), EBSCO SPORTDiscus with Full Text, EBSCO TOC Premier, EBSCO Current Abstracts, Index Copernicus).
17. **A. Ahmić**, A. Tursunović, H. Hamidović, J. Hadžihalilović, N. Pojskić, R. Hadžiselimović (2012): Genetic structure of indigenous and migratory populations in the area of Tuzla region considering some static and dynamic-morphological properties. *Journal of the Anthropological Society of Serbia*. Vol. 47:173-180. doi:10.5937/gads1247111A WoS/Thompson-ISI citation indexes
18. **A. Ahmić**, A. Tursunović, H. Hamidović, J. Hadžihalilović, N. Pojskić, R. Hadžiselimović (2012): Genetic structure of indigenous and migratory populations in the area of Tuzla region considering some static and dynamic-morphological properties. *Journal of the Anthropological Society of Serbia*. Vol. 47:173-180.
19. **A. Ahmić**, N. Pojskić, R. Hadžiselimović, E. Silajdžić, V. Hadžić, K. Bajrović (2012): MtDNA variation in genetic structure of populations in Tuzla region (Bosnia and Herzegovina). *Journal of the Anthropological Society of Serbia*. Vol. 47:111-118. doi:10.5937/gads1247111A WoS/Thompson-ISI citation indexes
20. **Ahmić A.**, Pojskić N., Hadžiselimović R., Silajdžić E., Kalamujić B., Bajrović K. (2011): Polymorphisms of mitochondrial DNA in local human populations of Tuzla region. *Proceedings 1st Symposium of Geneticists in Bosnia and Herzegovina, february 17-18, 2011. Sarajevo*

21. **Ahmić A.**, Hadžiselimović R., Pojskić N., Hadžihalilović, J. (2006): Analiza genetičke heterogenosti lokalnih ljudskih populacija sjeveroistočne Bosne posmatranih u dva vremenska perioda s obzirom na neka biohemijsko-fiziološka svojstva. Glasnik Antropološkog društva Jugoslavije. Vol. 41:99-110. (Indeksacija: WoS/Thompson-ISI citation indexes)
22. **A. Ahmić:** (2005): Genetička srodnost lokalnih ljudskih populacija s obzirom na neka biohemijsko-fiziološka i morfološka svojstva. Zbornik radova Prirodno-matematičkog fakulteta. Godina II, broj 2, Tuzla, 1-10.
23. Hadžihalilović J., Hadžiselimović R., **Ahmić A.**, H.Halilović A., Eminović I., Dahić A., Hamidović H., Jusupović F. (2005): Multipla korelacija kompleksa od 13 egzogenih i 14 antropometrijskih varijabli u uzorku dječaka sa područja Tuzle (Bosna i Hercegovina). Glasnik Antropološkog društva Jugoslavije. Vol. 40: 141-154.
24. **Ahmić A.**, Hadžiselimović R., Pojskić N., Hadžihalilović J., Eminović I., Hamidović H. (2005): Relacije između genetičke distance i nekih mogućih faktora genetičke heterogenosti lokalnih ljudskih populacija sjeveroistočne Bosne. Glasnik Antropološkog društva Jugoslavije. Vol. 40: 127-139. WoS/Thompson-ISI citation indexes
25. Pojskić, N., **Ahmić, A.**, Kapur, L., Hadžihalilović, J., Hadžiselimović R. (2005): Effect of Forced Migrations on Spatial and Temporal Changes in Genetic Structure of Two Local Populations in Bosnia. Human Evolution. Vol. 20, (2-3):137-147. (Indeksacija: Web of Science, Zoological Record)
26. Hadžihalilović J, Terzić R., **Ahmić A.**, H.Halilović A., Nožinović A, Hamidović H., Šehić A., Jusupović F. (2005): Secular-trend in body dimensions in boys from Tuzla region in period 1980-1996. Acta Biologica Slovenica. Vol. 48 (Št.1): 33-44.(Indeksacija: Web of Science, Biological Abstracts, BIOSIS Previews)
27. Hadžihalilović J., Hadžiselimović R., H.Halilović A., Hamidović H., **Ahmić A.**, Jusupović F. (2004): Mother's Age Effect on the Boys' Anthropometric Properties in the Region of Tuzla (Bosnia and Herzegovina). Coll. Anthropol., Vol., 28, (2): 563-570. (indeksacija: Current Contents, Social Sciences Citation Index (SSCI), Arts & Humanities Citation Index (A&HCI), Scopus, Abstracts in Anthropology, Anthropological Literature, INIST – CNRS, Science Culture SARL, Sociological Abstracts/SocINDEX, UnCover, Index Medicus/MEDLINE, CSA Sociological Abstracts, International Bibliography of the Social Sciences, International Center for Scientific Research (CIRS).
28. Hadžihalilović J., Hadžiselimović R., Terzić R., Hasković E., **Ahmić A.**, H.Halilović A., Mešalić Š., Hamidović H. (2004): Relations Between Some Exogenous Factors and Anthropometric Factors of Growth and Development of Male Children and Youngsters in Tuzla Region, Bosnia and Herzegovina. Coll. Anthropol., Vol., 28 (1) : 245-260. (indeksacija: Current Contents, Social Sciences Citation Index (SSCI), Arts & Humanities Citation Index (A&HCI), Scopus, Abstracts in Anthropology, Anthropological Literature, INIST – CNRS, Science Culture SARL, Sociological Abstracts/SocINDEX, UnCover, Index Medicus/MEDLINE, CSA Sociological Abstracts, International Bibliography of the Social Sciences, International Center for Scientific Research (CIRS).

UČEŠĆA NA KONGRESIMA

13th Congress of the European Anthropological Association. Zagreb, Croatia, August 2002.

8th Croatian Biological Congress with International Participation. Zagreb, Croatia 27th September-2nd October 2003.

4 Škerljevi dnevi «Man Between Autonomy and the Environment». Ljubljana, Slovenia, September 2004.

XLIII Kongres Antropološkog društva Jugoslavije sa međunarodnim učešćem. Čačak, Srbija, Maj 2004.

LI Congress of anthropological society of Serbia with international participation, Niš 2012.

1st Symposium of Geneticists in Bosnia and Herzegovina, february 2011. Sarajevo.

1st Congress of Geneticists in Bosnia and Herzegovina with International Participation. 2nd - 4th October, 2019, Hotel Holiday Sarajevo, Bosnia and Herzegovina. Genetics & Applications: Special Edition, Book of abstracts - 1st Congress of Geneticists in Bosnia and Herzegovina with International Participation. (2nd - 4th October, 2019)

UČEŠĆE U ISTRAŽIVAČKIM PROJEKTIMA

Voditelj naučno-istraživačkih projekta pod nazivom:

»Genetičke osobnosti populacije Roma: analiza hromosoma X« Projekat finansira Federalno ministarstvo obrazovanja i nauke, Federacije Bosne i Hercegovine za 2024.godinu

»Diverzitet haplotipova hipervarijabilnog segmenta I mitohondrijalne DNK u populacijama Roma BiH« Projekat finansira Federalno ministarstvo obrazovanja i nauke, projekti „Podrška istraživanju od značaja za Federaciju BiH u 2019

Aplikacija citohroma B u procjeni diverziteta bosansko-hercegovačke populacije« (broj: 01/2-3680-IV/16 od 10.11.2016.). Projekat finansira Federalno ministarstvo obrazovanja i nauke, projekti od značaja za Federaciju.

»MtDNA polimorfizmi u populaciji Roma sjeveroistočne Bosne« (broj:10/1-14-025987-1/13, od 23.12.2013.). finansiran od strane Ministarstva obrazovanja, nauke, kulture i sporta Tuzlanskog Kantona.

»Genetički markeri u definisanju genetičke strukture ljudskih populacija tuzlanske regije« (broj:10/1-14-16971-1/10, od 04.11.2010.) finansiran od strane Ministarstva obrazovanja, nauke, kulture i sporta Tuzlanskog Kantona.

Učesnik naučno-istraživačkih projekta pod nazivom:

»Development of master curricula in ecological monitoring and aquatic bioassessment for Western Balkans HEIS ECOBIAS«. Od 25.5.2020. potpisivanjem Sporazuma o saradnji, na Prirodno-matematičkom fakultetu Univerziteta u Tuzli realizira se ERASMUS+ projekat iz oblasti jačanja kapaciteta institucije,

ključna akcija 2 pod nazivom: Development of master curricula in ecological monitoring and aquatic bioassessment for Western Balkans HEIs ECOBIAS.

»Genetička struktura stanovništva srednjovjekovne Bosne«- 2019 – projekat (broj: 154 3/19 od 04.04.2019) Projekat Instituta za genetičko inženjerstvo i biotehnologiju Univerziteta Sarajevo

»Mogući faktori genetičke varijacije u stanovništvu Bosne i Hercegovine« (broj: 11-14-21811/2007) - Projekat Instituta za genetičko inženjerstvo i biotehnologiju u Sarajevu (podržan od strane Ministarstva obrazovanja i nauke Kantona Sarajevo).

»Aplikacija PowerPlex Y 23 sistema u molekularno-genetičkoj identifikaciji humane populacije SI Bosni«, broj: 01-4415-IV/13 - finansiran/sufinansiran iz oblasti nauke od značaja za Federaciju u 2013. godini.).

»Aplikacija Y mikrosatelitnih markera u humanoj populaciji sjeveroistočne Bosne«, broj 10/1-14-025729-1/13, od 23.12.2013 – finansiran od strane Ministarstva obrazovanja, nauke, kulture i sporta Tuzlanskog Kantona.

FMON 2014: "Povezanost polimorfizama UCP- 2 (Uncoupling proteins) gena i pretilosti u humanoj populaciji sjeveroistočne Bosne i Hercegovine" – finansiran od strane Federalnog ministarstva obrazovanja i nauke.

Objavljen univerzitetski udžbenik:

Adisa Ahmić, Elma Silajdžić: *Mitohondrijalna DNK i Y hromosom u filogenetičkim studijama humanih populacija*. **Udžbenik**, Izdavač OFF-SET, Tuzla, 2014. (CIP 575.17(075.8), ISBN 978-9958-31-184-0; COBISS.BH-ID 21701382).

Adisa Ahmić. Osnove opće genetike - koncept gena i hromosoma, 1 izdanje. Tuzla, Soreli, 2020. (CIP 575.075.8), ISBN 978-9958-562-33-4; COBISS.BH-ID 40527110).

Amela Hercegovac, **Adisa Ahmić**. Genetika sa osnovama molekularne biologije, 1 izdanje, Tuzla, Soreli, 2022. CIP 575+577.2] (075.8), ISBN 978-9958-562-38-9; COBISS.BH-ID 51386118

ISKUSTVO U NASTAVNOM RADU

Dugogodišnje nastavno-pedagoško iskustvo na Univerzitetu u Tuzli, realizovano kroz izborni period u zvanju asistenta, višeg asistenta, docenta, vanrednog profesora i trenutno u zvanju redovnog profesora za užu naučnu oblast "Genetika, biologija ćelije i mikrobiologija" na Prirodno-matematičkom fakultetu Univerziteta u Tuzli.

Adisa Ahmić