

KOMISIJA U SASTAVU:

1. **V.prof.dr. Lejla Pašić**, oblast *Medicinska biologija i mikrobiologija*, Medicinski fakultet Univerziteta Sarajevo School of Science and Technology, članica Komisije
2. **V.prof.dr. Larisa Gavran**, oblast *Opća i porodična medicina*, Medicinski fakultet Univerziteta u Zenici, članica Komisije
3. **V.prof.dr. Aida Ramić-Čatak**, oblast *Zdravlje u zajednici*, Fakultet zdravstvenih studija Univerziteta u Sarajevu, predsjednica Komisije

Na osnovu odluke Naučno-nastavnog vijeća Medicinskog fakulteta Univerziteta SSST u Sarajevu broj: O-EP-N-10/22, na sjednici održanoj dana 20.10.2022. godine, izabrani smo za članove Komisije za pripremanje prijedloga za izbor u akademsko zvanje Vanredni profesor za predmet Epidemiologija. Na konkurs objavljen u dnevnom listu "Oslobođenje" i na web stranici Univerziteta SSST, od 28.09.2022. godine, blagovremeno se prijavio samo jedan kandidat: Dr.sc. Sanjin Musa. Nakon izvršenog uvida i analize dokumentacije koja nam je dostavljena, podnosimo Vijeću Medicinskog fakulteta Univerziteta Sarajevo School of Science and Technology, sljedeći:

IZVJEŠTAJ

1. BIOGRAFIJA

a) Lični podaci

Ime i prezime: Sanjin Musa

Datum rođenja: 24.12.1976. godine

Strani jezici: engleski, francuski

E-mail: sanjinm@yahoo.com

Telefon: +38761260533

Trenutno zaposlenje: Zavod za javno zdravstvo Federacije Bosne i Hercegovine

b) Edukacija

2016: Doktor medicinskih nauka, Medicinski fakultet Univerziteta u Sarajevu

2013: *Fogarty Program Scholar*, The University of Iowa College of Public Health

2013: Magistar medicinskih nauka, Medicinski fakultet Univerzitet u Sarajevu

2009 -2012: Specijalizacija iz epidemiologije, Zavod za javno zdravstvo Federacije Bosne i Hercegovine – Epidemiolog specijalista

2007-2008 : *Program of Additional Training in Family Medicine for Bosnia and Herzegovina* (Queen's University Canada). Sarajevo, Bosna i Hercegovina

2005-2006: Pripravnički staž – Klinički centar Univerziteta Sarajevo

1997-2005: Medicinski fakultet Univerzitet u Sarajevu – Doktor medicine

1992-1996: VII Gimnazija, Zagreb, Hrvatska

c) Kretanje u službi

2009. – Zavod za javno zdravstvo Federacije Bosne i Hercegovine,
Služba za epidemiologiju

2009 – 2012: Specijalizant iz epidemiologije;

2013. – Voditelj Odjela za imunizaciju;

2019. – Voditelj Službe za epidemiologiju.

2019 – : Sarajevo Medical School SSST University:

Predavač u zvanju docenta na predmetu Epidemiologija

d) Istraživački interesi

- Epidemiologija zaraznih bolesti
- Vakcinologija
- Globalno zdravlje
- Zdravstvena politika
- Promjena zdravstvenog ponašanja
- Javnozdravstvena praksa
- Evaluacija programa

Pozvani predavač na sljedećim konferencijama i edukacijama:

OKTOBAR 2022: Kontinuirana edukacija, Stomatološka komora Federacije BiH – COVID-19 u Federaciji Bosne i Hercegovine: Trenutni status epidemije i provođenje programa imunizacije, Sarajevo, BiH.

APRIL 2022: WHO EURO/ECDC sero-epidemiology network - Evolution of antibody immunity to SARS-CoV-2 in blood donors in Sarajevo Canton, Bosnia and Herzegovina: a series of cross-sectional studies and longitudinal analysis at 6 and 12 months, Online.

2022 i 2019: Interpersonalna komunikacija o imunizaciji, treninzi za zdravstvene djelatnike u Bosni i Hercegovini.

DECEMBAR 2021: Treća škola imunizacije - "Imunizacija protiv bolesti COVID-19 u FBiH sa osvrtom na otežano provođenje redovitog programa imunizacije djece i mladih u pandemiji ", Sarajevo, BiH.

- NOVEMBAR 2021:** Kongres X Forum porodične/obiteljske medicine - Iskustava provođenja UNITY studije u BiH: Prenos SARS-CoV-2 u kućanstvu, Sarajevo, BiH.
- MAJ 2021:** One Health/Jedinstveno zdravlje simpozij: COVID-19 i gripa - Vakcinacija protiv gripe zdravstvenih djelatnika, Neum, BiH.
- AUGUST 2021:** Nadzor nad gripom i COVID-19 u Federaciji BiH - ILI/SARI nadzor u sezoni 2020/21 i priprema za sezonu 2021/22, Konjic, BiH.
- DECEMBAR 2020:** Druga škola imunizacije - „Sumarni prikaz trenutne strategije cijepljenja protiv COVID-19 bolesti“, Sarajevo, BiH.
- DECEMBAR 2019:** Simpozij „Imunizacija u svakodnevnom praktičnom radu“ - “Imunizacija i prevencija bakterijskih bolesti“, Sarajevo, BiH.
- SEPTEMBAR 2019:** 5. Kongres infektologa i 2. Kongres mikrobiologa Bosne i Hercegovine sa međunarodnim učešćem - Interpersonalna komunikacija o imunizaciji, Tuzla, BiH.
- AUGUST 2019:** Nadzor nad gripom u Federaciji BiH - ILI/SARI sentinel nadzor u sezoni 2019/20 i priprema za sezonu 2020/21. - Godišnji izvještaj o nadzoru nad gripom u sezoni 2018/19 u Federaciji Bosne i Hercegovine, izazovi i prilike za unaprjeđenje nadzora u sezoni 2019/20, Neum, BiH.
- AUGUST 2018:** Rotavirus symposium 2018 - Addressing vaccine hesitancy and reaching vulnerable populations: Lessons from the Tailoring Immunization Programmes (TIP) approach, Minsk, Bjelorusija.
- JUNI 2018:** Gobal Immunization Meeting - Tailoring Immunization Programmes (TIP) in the Federation of Bosnia and Herzegovina, Kigali, Rwanda.
- DECEMBAR 2017:** Analysis of Time to Detect and Time to Respond of Outbreaks and Surveillance System Digitalization, SECID, Beograd, Srbija.
- OKTOBAR 2017:** Sixth Meeting of the Global Vaccine Safety Initiative (GVSI) - Facing the anti-vaccine lobby in Bosnia and Herzegovina, Kuala Lumpur, Malezija.
- APRIL 2017:** Time to detect and time to respond on outbreaks & surveillance digitalization challenges in SEE countries, Regional workshop SECID, Tirana, Albania
- SEPTEMBAR 2015:** WHO regional meeting of national immunization programme managers, Antwerpen, Belgija.

DECEMBAR 2012: Regionalna konferencija „Stop Tuberkulozi“ – Uloga Zavoda za javno zdravstvo Federacije BiH, Sarajevo BiH.

SEPTEMBAR 2012: International conference on trauma and injury prevention – Accidents in the workplace and protective measures in the context of HIV and other blood-borne infections among health care workers in the Federation of Bosnia and Herzegovina. Zenica, BiH.

MAJ 2012: Lošinjski dani bioetike - Stigma and discrimination related to HIV and AIDS – Review of the problem and proposed solutions. Mali Lošinj, Hrvatska.

OKTOBAR 2010: 2nd Croatian Congress on Preventive Medicine and Health Promotion with international participation – Our experience with surveillance of pandemic flu A(H1N1)v. Zagreb, Hrvatska.

e) Poznavanje programskih jezika

Word, Excel, Access, Power Point, SPSS, RDSAT, R (bazično), Stata

2. RADOVI

2.1. Radovi objavljeni u časopisima i na naučnim konferencijama:

1. Musa S, Cilovic-Lagarija S, Kavazovic A, Bosankic-Cmajcanin N, Stefanelli A, Scott NA, Scherzer M, Kiss Z and Bach Habersaat K (2022). COVID-19 Risk Perception, Trust in Institutions and Negative Affect Drive Positive COVID-19 Vaccine Intentions. *Int J Public Health* 67:1604231. doi: 10.3389/ijph.2022.1604231
2. Tailoring Immunization Programmes (TIP) in the Federation of Bosnia and Herzegovina, BIH. Final report. Copenhagen: WHO Regional Office for Europe; 2022. Licence: CC BY-NC-SA 3.0 IGO.
3. Musa S, Kissling E, Valenciano M, Dizdar F, Blažević M, Jogunčić A, Palo M, Merdrignac L, Pebody R, Jorgensen P. Household transmission of SARS-CoV-2: a prospective observational study in Bosnia and Herzegovina, August - December 2020. *Int J Infect Dis.* 2021 Sep 29;112:352–61. doi: 10.1016/j.ijid.2021.09.063. Epub ahead of print. PMID: 34600136; PMCID: PMC8479489.
4. Cilovic-Lagarija S, Hasanica N, Musa S, Peek-Asa C. Trends in Suicide Mortality in the Federation of Bosnia and Herzegovina - 2010-2020. *Med Arch.* 2021 Aug;75(4):302-306. doi: 10.5455/medarh.2021.75.302-306. PMID: 34759452; PMCID: PMC8563048.
5. Cilovic-Lagarija S, Hasanica N, Mulic M, Radojicic M, Brankovic S, Pilav A, Huseinagic S, Musa S. An Overview of Human Resources and Capacity in Health Care Institutions in the Federation of Bosnia and Herzegovina in the Context of

- Responding to the COVID 19 Pandemic. *Mater Sociomed.* 2021 Mar;33(1):56-59. doi: 10.5455/msm.2021.33.56-59. PMID: 34012352; PMCID: PMC8116099.
6. Musa S, Kulo A, Habersaat KB, Skrijelj V, Smjecanin M, Jackson C. A qualitative interview study with parents to identify barriers and drivers to childhood vaccination and inform public health interventions. *Hum Vaccin Immunother.* 2021 Sep 2;17(9):3023-3033. doi: 10.1080/21645515.2021.1923346. Epub 2021 Jun 3. PMID: 34081562; PMCID: PMC8381801.
 7. Goletic T, Konjhodzic R, Fejzic N, Goletic S, Eterovic T, Softic A, Kustura A, Salihefendic L, Ostojic M, Travar M, Mrdjen V, Tihic N, Jazic S, Musa S, Marjanovic D, Hukic M. Phylogenetic pattern of SARS-CoV-2 from COVID-19 patients from Bosnia and Herzegovina: lessons learned to optimize future molecular and epidemiological approaches. *Bosn J Basic Med Sci.* 2021 Aug 1;21(4):484-487. doi: 10.17305/bjbms.2020.5381. PMID: 33577445; PMCID: PMC8292857.
 8. Musa S, Habersaat KB, Jackson C, Kulo A, Primorac E, Smjecanin M, Funk S. Tailoring Immunization Programmes: using patient file data to explore vaccination uptake and associated factors. *Hum Vaccin Immunother.* 2021 Jan 2;17(1):228-236. doi: 10.1080/21645515.2020.1769396. Epub 2020 Jun 23. PMID: 32574138; PMCID: PMC7872048. *Human Vaccines & Immunotherapeutics*, DOI: 10.1080/21645515.2020.1769396
 9. Moro A, Musa S, Hurić I, Paralija B, Selimović A. Analysis of the severity of influenza epidemics: severe acute respiratory infection (SARS) sentinel surveillance data in the Federation of Bosnia and Herzegovina during the 2016/17, 2017/18 and 2018/19 seasons. *Medical Journal.* Jan/Jun2020, Vol. 26 Issue 1, p24-29. 6p.
 10. Musa S, Škrijelj V, Kulo A, Bach Habersaat K et al. Identifying barriers and drivers to vaccination: a qualitative interview study with health workers in the Federation of Bosnia and Herzegovina. *Vaccine* 38 (2020) 1906-1914. DOI: 10.1016/j.vaccine.2020.01.025
 11. Musa S, Topalović B, Čatić S, Smajlović Z. Assessment of vaccine effectiveness during measles outbreak in the Federation of Bosnia and Herzegovina, 2014-2015. *Cent Eur J Public Health.* 2018 Jun;26(2):79-82. doi: 10.21101/cejph.a4754.
 12. Musa Sanjin. Life in vaccine science – a conversation with Stanley Plotkin at the 4th Conference on Vaccines in Dubrovnik, Croatia, September 2017. *Euro Surveill.* 2018;23(17):pii=18-00147. <https://doi.org/10.2807/1560-7917.ES.2018.23.17.18-00147>
 13. Musa S, Peek-Asa C, Jovanović N, Selimović E (2018) Association of adverse childhood experiences and health risk behaviors among young adults visiting a regional primary healthcare center, Federation of Bosnia and Herzegovina. *PLOS ONE* 13(3): e0194439. <https://doi.org/10.1371/journal.pone.0194439>
 14. Musa S. Book review On immunity: an inoculation, Eula Biss. *Central Eur Paed* 2017, 13 (1): 81-83.
 15. Junuzović A, Musa S, Pilav A. Pertussis-like syndrome in primary care practice. *Central Eur Paed* 2017, 13 (1):46-54.

16. Musa S, Mulaomerović. Impact of immunization on epidemiology of vaccine-preventable diseases in the Federation of Bosnia and Herzegovina. *Central Eur Paed* 2017, 13 (1):73-77.
17. Musa S, Peek-Asa, Young T, Jovanović N. Needle Stick Injuries, Sharp Injuries and other Occupational Exposures to Blood and Body Fluids among Health Care Workers in a general hospital in Sarajevo, Bosnia and Herzegovina. *International Journal of Occupational Safety and Health*, Vol 4. No 1 (2014) 31– 37.
18. Paralija B, Musa S, Krsmanović S, Cilović-Lagarija Š. The treatment outcome of tuberculosis patients: comparison of directly observed therapy and self-administered therapy. *Medical Journal Oct-Dec 2014*, Vol. 20 Issue 4, p233-237.
19. Musa S. Curriculum: Statistical Data Analysis. *Partnerships in Health: Sarajevo*, 2014.
20. Cilović-Lagarija Š, Musa S, Brankovic S, Selimović-Dragaš M. Knowledge About Spread of HIV Infection Among Dentists Employed in Private and State Practice. *Mater Sociomed*. 2014 Apr; 26(2): 96-99.
21. Cilović-Lagarija Š, Musa S. Injury surveillance in the Federation of B&H. *Book of abstracts - ICTIP*. Zenica, 2013;58-59.
22. Musa S, Jovanović N. Needle Stick Injuries, Sharp Injuries and other Occupational Exposures to Blood and Body Fluids among Health Care Workers - General Hospital Sarajevo. *2nd Annual Iowa Global Health Symposium. Book of abstracts*, University of Iowa College of Public Health, 2013.
23. Dakic Z, Musa S. Hepatitis A outbreak in Bijeljina, Bosnia and Herzegovina, August 2012 - April 2013 . *Euro Surveill*. 2013;18(21):pii=20486. Available: <http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=20486>
24. Alajbegović-Halimić J, Musa S. Faktori koji utiču na uspješnost hirurškog tretmana konkomitantnog strabizma kod djece/Influencing factors to success of surgical tretment of concomitant strabismus in children. *Medicinski žurnal* 2013;19(3);180-186.
25. Musa S, Cilović-Lagarija Š. Knowledge, attitudes and practices related to HIV among health workers in the Federation of Bosnia and Herzegovina. *Albanian Medical Journal*. 2013;3:14-24.
26. Dančević M, Musa S, Sarihodžić M. Knowledge, attitudes and practices related to tuberculosis (Comparison KAP survey 2009 i 2011). *Zavod za javno zdravstvo Federacije BiH*, 2012.
27. Vučina I, Musa S, Dizdarević-Maksumić A, Niškanović J, Popović T, Lakić B. The survey of public attitudes towards people with mental disorders. *Ideologija*, Sarajevo, 2012.
28. Musa S, Cilović-Lagarija Š. PAL survey (Practical approach to lung health) - I i II Pilot survey. *Zavod za javno zdravstvo FBiH*, 2012.
29. Musa S, Cilović-Lagarija Š. Accidents in workplace and protective measures in the context of HIV and other blood-borne infections among health care workers in the Federation of Bosnia and Herzegovina. *Knjiga sažetaka – ICTIP*. Zenica, 2012;90-91.
30. Musa S, Cilović-Lagarija Š. Stigma and discrimination related to HIV and AIDS – Review of the problem and proposed solutions. *11th Lošinj days of bioethics*, Mali Lošinj, Croatia, 2012; 92-93.

31. Musa S. Historijat eradikacije endemskih zaraznih bolesti na području Bosne i Hercegovine – Knjižni fond Zavoda za javno zdravstvo Federacije Bosne i Hercegovine. DES – Sarajevo, 2011;84-88.
32. Musa S, Ravlija J, Mulaomerović M, Zeljko M. Naša iskustva u nadzoru nad pandemijskom gripom A(H1N1)v. 2. Hrvatski kongres preventivne medicine i unaprjeđenja zdravlja s međunarodnim sudjelovanjem. Zagreb, Hrvatska, 2010;115.

2.2. NAUČNOISTRAŽIVAČKI PROJEKTI

- OKTOBAR 2020 – APRIL 2021:** Addressing COVID-19 challenges within the Migrant and Refugee Response in the Western Balkans
- JUNI 2020 – :** The Unity Studies (WHO): Population-based age-stratified seroepidemiological investigation for COVID-19 infection – WHO Euro.
- JUNI 2020 – DECEMBAR 2020:** Household transmission study for COVID-19 in the Federation of Bosnia and Herzegovina – WHO Euro.
- JUNI 2020 – DECEMBAR 2020:** Behavioural insights on COVID-19 in the Federation of Bosnia and Herzegovina - Monitoring knowledge, risk perceptions, preventive behaviours and trust to inform pandemic outbreak response – WHO Euro.
- NOVEMBAR 2018 – JUNI 2019:** Interpersonal Communication on Immunization, trainings for health care workers in Bosnia and Herzegovina - UNICEF.
- AUGUST 2018 – AUGUST 2021:** European Joint Action on Vaccination – EU-JAV.
- APRIL 2017–APRIL2020:** Tailoring Immunization Programmes (TIP) in the Federation of Bosnia and Herzegovina - Public Health Institute of the Federation of Bosnia and Herzegovina and WHO.
- FEBRUAR 2017-AUGUST 2021:** Surveillance and Response to Avian and Pandemic Influenza in Bosnia and Herzegovina – CDC.
- APRIL – DECEMBAR 2017:** Improving early detection and response of country and cross border diseases, events and risks by digitalization of priority surveillance sources – Southeast European Centre for Surveillance and Control of Infectious Diseases (SECID).
- SEPTEMBAR 2015 – 2016:** Surveillance and Response to Avian and Pandemic Influenza by National Health Authorities of Countries of South East Europe – CDC and Southeast European Centre for Surveillance and Control of Infectious Diseases (SECID).
- FEBRUAR 2012 – JUNI 2016:** Strengthening the DOTS strategy and improving the National Tuberculosis Programme (NTP), including multidrug resistant and infection control, in Bosnia and

Herzegovina (Global Fund to Fight TB, HIV/AIDS and Malaria).

2.3. UDŽBENICI I KNJIGE

NAPUTCI za popunjavanje zdravstveno-statističkih obrazaca. [glavni urednik Davor Pehar]. - Sarajevo : Zavod za javno zdravstvo Federacije Bosne i Hercegovine, 2019. - 277 str. ISBN 978-9958-866-09-8.

Tailoring Immunization Programmes (TIP) in the Federation of Bosnia and Herzegovina, BIH. Final report. Copenhagen: WHO Regional Office for Europe; 2022. Licence: CC BY-NC-SA 3.0 IGO.

3. NASTAVNO PEDAGOŠKI RAD

2019 – : Sarajevo Medical School SSST University – Docent za predmet Epidemiologija

Mentorstvo – Development and evaluation of an online learning community for health professionals treating patients with COVID-19 in the region of Western Balkans, diplomski rad studentice Amine Tabaković

4. ČLANSTVA U MEĐUNARODNIM STRUKOVNIM UDRUŽENJIMA:

Stručno savjetodavno tijelo za imunizaciju Federalnog ministarstva zdravstva	Predsjednik
International Society of Global Health	Član
Vaccine Acceptance Research Network	Član Upravnog odbora
Ljekarska-Liječnička komora Kantona Sarajevo	Potpredsjednik
European Joint Action on Vaccination Committee	Član

OBRAZLOŽENJE I ZAKLJUČAK

Komisija u sastavu **v.prof.dr. Lejla Pašić**, oblast *Medicinska biologija i mikrobiologija*, Medicinski fakultet Univerziteta Sarajevo School of Science and Technology, članica Komisije, **v.prof.dr. Larisa Gavran**, oblast *Opća i porodična medicina*, Medicinski fakultet Univerziteta u Zenici, članica Komisije, **v.prof.dr. Aida Ramić-Čatak**, oblast *Zdravlje u zajednici*, Fakultet zdravstvenih studija Univerziteta u Sarajevu, predsjednica Komisije, na osnovu uvida u priloženu dokumentaciju smatra da **dr.sci. Sanjin Musa** u potpunosti ispunjava uvjete konkursa za izbor u akademsko zvanje vanredni profesor za predmet *Epidemiologija*, jer kandidat posjeduje tražene uvjete propisane članom 96. Zakona o visokom obrazovanju („Službene novine Kantona Sarajevo“, broj:33/17) za izbor u zvanje vanredni profesor.

Na osnovu navedenoga, Komisija predlaže Vijeću Medicinskog fakulteta Univerziteta SSST u Sarajevu da izbor dr.sci. Sanjina Muse u akademsko zvanje vanredni profesor stavi u dalju proceduru.

Sarajevo,01.11.2022. godine

KOMISIJA:

v.prof.dr. Aida Ramić-Čatak

predsjednica Komisije

v.prof.dr. Lejla Pašić

članica Komisije

v.prof.dr. Larisa Gavran

članica Komisije