

**MEDICINSKI
FAKULTET**

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**MEDICAL
FACULTY**

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Broj: 924/8-1
Podgorica, 06.07.2022 godine

**Univerzitet Crne Gore
Odbor za doktorske studije
n/r predsjedniku – prof. dr Borisu Vukićeviću**

Poštovani,

U skladu sa članom 29 Pravila doktorskih studija, dostavljamo Prijedlog Vijeća Medicinskog fakulteta za imenovanje mentora i komentora studentu doktorskih studija mr sc farmacije Šoljanin Azri.

S poštovanjem,

**MEDICINSKI FAKULTET
DEKAN,**


Prof. dr Miodrag Radunović

UNIVERZITET CRNE GORE
MEDICINSKI FAKULTET
Broj: 924/8
Podgorica, 04.07.2022. godine

Na osnovu člana 64 i 65 Statuta Univerziteta Crne Gore broj:07-304 od 04.02.2015. godine („Bilten UCG br.337-posebno izdanje od 13.02.2015. godine), člana 29 Pravila doktorskih studija (Bilten UCG broj:513/20), Inicijalnog prijedloga Komisije za doktorske studije broj: 365/5 od 24.06.2022. godine, Vijeće Medicinskog fakulteta u Podgorici, na elektronskoj sjednici održanoj 01.07.2022. godine, utvrdilo je

PRIJEDLOG

1. **Doc. dr Almir Badnjević**, docent Farmaceutskog fakulteta Univerziteta u Sarajevu, predlaže se za **mentora**, a **prof. dr Svetlana Stojkov**, vanredni profesor Farmaceutskog fakulteta Univerziteta Privredna akademija u Novom Sadu, za **komentora**, za izradu doktorske disertacije, studentu doktorskih studija mr sc farmacije Šoljanin Azri.
2. Mentor i komentor iz tačke 1 ovog Prijedloga, dužan je da pomaže studentu pri izboru metoda naučno - istraživačkog rada, literature, pripremi strukture rada, u definisanju istraživačkih aktivnosti i planiranju vremenskog okvira za istraživanja na osnovu kojeg se može pratiti napredak studenta, kao i da mu pružaju drugu stručnu pomoć.
3. Prijedlog se upućuje Centru za doktorske studije i Senatu Univerziteta Crne Gore, na dalju proceduru.

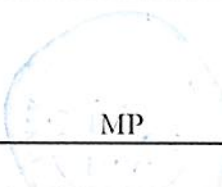

VIJEĆE MEDICINSKOG FAKULTETA
PREDSIEDAVAJUĆI,

Prof. dr Miodrag Radunović, dekan

Dostavljeno:
-Centru za doktorske studije
-Studentska služba
-a/a

MENTORSTVO

Kandidat: Ime i prezime		Mr sc farmacije Azra Šoljanin	
PREDLOŽENI MENTOR/I			
	Titula, ime i prezime	Ustanova i država	Naučna oblast
Prvi mentor	Prof. dr Almir Badnjević	Farmaceutski fakultet Univerzitet u Sarajevu	Farmaceutska informatika
Drugi mentor	Prof. dr Svetlana Stojkov	Farmaceutski fakultet Univerziteta Privredna akademija u Novom Sadu	Farmaceutske nauke
Sjednica Vijeća organizacione jedinice na kojoj je izvršeno predlaganje mentora			
KOMPETENCIJE MENTORA (pet objavljenih radova u relevantnim časopisima)			
Prvi mentor	1	Edin Begic , Lejla Gurbeta Pokvic, Zijo Begic, Nedim Begic, Mirza Dedic, Denis Mrsic, Mesud Jamkovic, Naim Vila, Almir Badnjević . From Heart Murmur to Echocardiography-Congenital Heart Defects Diagnostics Using Machine – Learning Algorithms. Psychiatr Danub. 2021 Dec; 33 (Suppl 13):236-246. PMID:35150491.	
	2	Katy Stokes , Rossana Castaldo , Monica Franzese, Marko Salvatore ,Giuseppe Fico, Lejla Gurbeta Pokvic, Almir Badnjević , Leonardo Pecchia. A machine learning model for supporting symptom – based referral and diagnosis of bronchitis and pneumonia in limited resource settings , Biocybernetics and Biomedical Engineering, 2021, ISSN 0208-5216, https://doi.org/10.1016/j.bbe.2021.09.002 .	
	3	Aldijana Čaušević , Edhem Hasković ,Izet Eminović, Muhamed Fočak, Aner Mešić , Ismar Lutvikadić , Lejla Gurbeta Pokvić, Almir Badnjević . Hemolytic effect of Vipera ammodytes subspecies venom and its cytogenotoxicity on the human lymphocytes. Health Technol. https://doi.org/10.1007/s12553-021-00558-2	
	4	Lejla Gurbeta, Almir Badnjević , Mirjana Maksimović, Enisa Omanovic-Miklicanin, Ervin Sejdic. A telehealth system for automated diagnosis of asthma and chronic obstructive pulmonary disease. Journal of the American Medical Informatics Association Volume 25 ,Issue 9, 1 septembar 2018, Pages 1213-1217, https://doi.org/10.1093/jamia/ocy_055	
	5	Almir Badnjevic , Lejla Gurbeta, Eddie Custovic. An Expert Diagnostic System to Automatically Identify Asthma and Chronic Obstructive Pulmonary Disease in Clinical Settings. Nature Scientific Reports 8, 11645 (2018), https://doi.org/10.1038/s41598-018-30116-2	
Drugi mentor	1	Jovanovic Lješković N., Jovanović Galović A., Stojkov S. , Jojić N., Gigov S.,(2021). Medicine Shortages in Serbia: Pharmacists Standpoint and Potential Solutions for a Non –EU Country. Pharmaceutics, 13 (4) 448.	
	2	Turcu –Stolica A., Kamusheva M., Bogdan M., Tadic I., Harasani K., Subtirelu ,M.S , Meca A. D.,Šesto S., Odalović M., Arsić J., Stojkov S. , Terzieva E ., Petrova G., (2021) Pharmacists Perspectives on	

		Administiring a COVID-19 Vaccine in Community Pharmacies in Four Balkan Countries . <i>Frontiers in public health</i> , 9, 766146.			
	3	Javorac J., Živanović D., Stojkov S , Miličić JĐ., Fradelos E., Savić N. , COVID-19 associated pulmonary embolism with D-dimer values within the referent range: a case report and review of the literature. <i>Eur Rev Med Pharmacol Sci</i> .2021;25(24):7971-5			
	4	Binakaj Z., Stojkov S ., Angelovska B., Drakalska E., The Role of Pharmacist in Treatment of Depression. <i>Journal of Pharmacy and Pharmacology</i> 6 ,(2018); 149-152.			
	5	Stojkov S. , Tadić I., Crnjaski T., Krajnović D., Assesment and self- assesment of the pharmacists' competencies using the Global Competency Framework (GBCF) in Serbia. <i>Vojnosanitetski Pregled</i> , 2016; 73(9): 803–10;			
PODACI O MAGISTRANDIMA I DOKTORANDIMA					
		Broj magistranada		Broj doktoranada	
		trenutno	ukupno	trenutno	ukupno
Prvi mentor					
Drugi mentor					
Datum i ovjera (pečat i potpis odgovorne osobe)					
U Podgorici, (04.07.2022.)				 DEKAN Prof. dr. Miodrag Radunović	



Broj: 01-35-13/19
Sarajevo, 27.11.2019. godine

0101-7251/19
06.12.2019

Na osnovu člana 130. stav 2. tačka k) Zakona o visokom obrazovanju („Službene novine Kantona Sarajevo“, broj: 33/17) i člana 59. tačka l) Statuta Univerziteta u Sarajevu, Senat Univerziteta u Sarajevu je na 36. sjednici održanoj 27.11.2019.godine donio

ODLUKU O IZBORU U ZVANJE DOCENTA

I

U zvanje docenta za predmet Farmaceutska informatika na Farmaceutskom fakultetu Univerziteta u Sarajevu bira se dr. Almir Badnjević.

II

Dr. Almir Badnjević zaključit će ugovor o radu sa Farmaceutskim fakultetom Univerziteta u Sarajevu na određeno vrijeme na period od pet godina.

III

Odluka o izboru u zvanje stupa na snagu danom donošenja.

Obrazloženje

Vijeće Farmaceutskog fakulteta Univerziteta u Sarajevu na osnovu Izvještaja Komisije za pripremanje prijedloga za izbor u zvanja, na sjednici održanoj 07.11.2019. godine utvrdilo je pozitivan prijedlog odluke o izboru dr. Almira Badnjevića u zvanje docenta za predmet Farmaceutska informatika. Senat Univerziteta u Sarajevu je na sjednici održanoj 27.11.2019. godine donio odluku da se predloženi kandidat izabere u zvanje docenta za predmet Farmaceutska informatika.

Postupak izbora akademskog osoblja završava se zasnivanjem radnog odnosa na način utvrđen u odredbama čl. 94. Zakona o visokom obrazovanju i čl.189 Statuta Univerziteta u Sarajevu.

Na osnovu naznačenog odlučeno je kao u dispozitivu.

Pouka o pravnom lijeku:

Protiv ove odluke nije dozvoljena žalba, ali se može pokrenuti upravni spor pred Kantonalnim sudom u Sarajevu u roku od 30 dana od dana prijema odluke.

REKTOR

prof.dr. Rifat Škrijelj

Dostavljeno:
-Izabranom putem Farmaceutskog fakulteta
-Farmaceutskom fakultetu
-Službi za plan i analizu
-Arhivi x 2

Broj: 01-320-3/18
Sarajevo, 27.12.2018. godine

Na osnovu člana 111. i čl. 130. Zakona o visokom obrazovanju ("*Službene novine Kantona Sarajevo*", broj: 33/17), a u vezi sa čl. 164. Statuta visokoškolske ustanove Internacionalni Burč univerzitet, br.: 01-222-1/18 od 26.09.2018. godine, Senat visokoškolske ustanove Internacionalni Burč univerzitet - International Burch University, na svojoj CLXI sjednici, održanoj dana 27.12.2018. godine, donio je sljedeću

ODLUKU
o izboru u zvanje

Član 1.

Bira se **Dr. sci. Almir Badnjević** u naučnonastavno zvanje vanrednog profesora na naučnu oblast *Bioinžinjeriing* na Odsjeku za genetiku i bioinžinjeriing Fakulteta za inžinjeriing i prirodne nauke visokoškolske ustanove Internacionalni Burč univerzitet – International Burch University, na period od šest godina s mogućnošću jednog ponovnog izbora.

Član 2.

Odluka stupa na snagu danom donošenja.

Obrazloženje

Senat visokoškolske ustanove Internacionalni Burč univerzitet - International Burch University (u daljem tekstu: Univerzitet), na svojoj CLX sjednici, donio je Odluku o raspisivanju konkursa za poziciju nastavnika (sva zvanja) na naučnu oblast *Bioinžinjeriing* pri Fakultetu za inžinjeriing i prirodne nauke visokoškolske ustanove Internacionalni Burč univerzitet - International Burch University.

Konkurs za izbor u akademska zvanja je objavljen 06.11.2018. godine u novinama „Euro Blic“ i na službenoj internet stranici Univerziteta www.ibu.edu.ba.

Na raspisani konkurs prijavio se Dr. sci. Almir Badnjević, rođen 13.07.1986. godine u Bosanskoj Krupi, Bosna i Hercegovina. Kandidat je magistrirao na Univerzitetu u Sarajevu, Elektrotehnički fakultet, 2010. godine, dok je doktorski studij okončao na Univerzitetu u Zagrebu, Fakultet elektrotehnike i računarstva, Hrvatska, 2015. godine. Na osnovu uvida u dostavljenu dokumentaciju, Vijeće Fakulteta za inžinjeriing i prirodne nauke IBU (u daljem tekstu: Vijeće) imenovalo je Komisiju za izbor u naučnonastavno zvanje vanrednog profesora (u daljem tekstu: Komisija) u sljedećem sastavu: Prof. dr. Damir Marjanović (predsjednik), Prof. dr. Mario Cifrek (član) i Prof. dr. Leandro Pecchia (član). Vijeće je na osnovu izvještaja Komisije utvrdilo prijedlog odluke o izboru kandidata Dr. sci. Almira Badnjevića u naučnonastavno zvanje vanrednog profesora na naučnu oblast *Bioinžinjeriing* pri Fakultetu za inžinjeriing i prirodne nauke, te isti dostavilo Senatu Univerziteta na odlučivanje.

Senat Univerziteta je utvrdio da kandidat ispunjava sve zakonske uslove, te je donesena odluka kao u dispozitivu.

Pouka o pravnom lijeku: Protiv ove odluke nije dozvoljena žalba, ali se može pokrenuti upravni spor pred Kantonalnim sudom u Sarajevu u roku od 30 dana od dana puštanja odluke.

Dostavljeno:
1x Fakultetu
1x Imenovanom
1x Dosije
1x a/a

Predsjedavajući senata
Prof. dr. Damir Marjanović



Datum: 29.03.2022.

Na osnovu Člana 18. stav 3. Zakona o naučnoistraživačkoj djelatnosti (Službene novine KS broj 26/16), a u vezi sa Odlukom Vlade Kantona Sarajevo broj 02-04-29941-5/21 od 05.08.2021. godine i Odlukom Skupštine Kantona Sarajevo o davanju saglasnosti na osnivanje naučnoistraživačkog instituta za biomedicinski inženjering, medicinske uređaje i vještačku inteligenciju Verifikacionog laboratorija „Verlab“ d.o.o. Sarajevo broj 01-04-46075/21 od 14.12.2021. godine, Odluke o imenovanju Komisije matičara br. 819/21 od 16.12.2021. godine „Naučnoistraživačkog instituta Verlab za biomedicinski inženjering, medicinske uređaje i vještačku inteligenciju“ (u daljem tekstu Institut), Komisija matičara na sjednici održanoj 29.03.2022. godine donosi:

ODLUKU o izboru u zvanje

I

Bira se **dr. sci. Almir Badnjević** u naučno zvanje **Viši naučni saradnik za naučnu oblast inženjering i tehnologija** na „Naučnoistraživačkom institutu Verlab za biomedicinski inženjering, medicinske uređaje i vještačku inteligenciju“, na vremenski period od šest (6) godina s mogućnošću jednog ponovnog izbora.

II

Odluka stupa na snagu danom donošenja.

Obrazloženje

Komisija matičara „Naučnoistraživačkog instituta Verlab za biomedicinski inženjering, medicinske uređaje i vještačku inteligenciju“ na svojoj IV sjednici održanoj 18.02.2022. godine, donijela Odluku o raspisivanju konkursa za izbor u naučnoistraživačka zvanja u oblasti u oblasti prirodnih nauka ili oblasti inženjering i tehnologija ili oblasti medicinskih i zdravstvenih nauka na „Naučnoistraživačkom institutu Verlab za biomedicinski inženjering, medicinske uređaje i vještačku inteligenciju“.

Verifikacioni laboratorij VERLAB (u daljem tekstu Osnivač) je objavio konkurs za izbor u naučnoistraživačka zvanja u oblasti biomedicine i zdravstva i oblast tehničkih nauka 22.02.2022. godine u novinama Dnevni list broj 7449 i na službenoj internet stranici Osnivača www.verlab.ba.

Na raspisani konkurs prijavio se prof.dr. Almir Badnjević, rođen 13.07.1986. godine u Bosanskoj Krupi, Bosna i Hercegovina. Magistrirao na Elektrotehničkom fakultetu, Univerzitet u Sarajevu, 2010. godine, a doktorirao na Fakultetu elektrotehnike i računarstva, Univerzitet u Zagrebu, R. Hrvatska, 2015. godine. Na osnovu uvida u dostavljenu dokumentaciju, kao i dostavljenih odluka o izboru u zvanje docenta na visokoškolskim ustanovama na Internacionalnom Burch Univerzitetu i Univerzitetu u Sarajevu, Komisija matičara, u sastavu ak.prof.dr. Mirsada Hukić (predsjednica), ak.prof.dr. Isak Karabegović (član), ak.prof.dr. Borislav Petrović (član), prof.dr. Tamer Bego (član) i doc.dr. Zerina Mašetić (član), utvrdila je odluku u izbor kandidata prof.dr. Almira Badnjevića u zvanje višeg naučnog saradnika za naučnu oblast inženjering i tehnologija na „Naučnoistraživačkom institutu Verlab za biomedicinski inženjering, medicinske uređaje i vještačku inteligenciju“.

Postupak izbora u naučnoistraživačko zvanje završava se zasnivanjem radnog odnosa na način utvrđen u odredbama čl. 32 Zakona o naučnoistraživačkoj djelatnosti.

Na osnovu naznačenog odlučeno je kao u dispozitivu.

Pouka o pravnom lijeku:

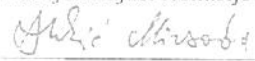
Protiv ove odluke nije dozvoljena žalba, ali se može pokrenuti upravni spor pred nadležnim sudom u Sarajevu u roku od 30 dana od dana prijema odluke..

Dostavljeno

- Imenovanom
- Institutu
- Osnivaču
- Ministarstvu za nauku, visoko obrazovanje

i mlade Kantona Sarajevo

Predsjedavajući Komisije matičara


Ak.prof.dr. Mirsada Hukić





Akademik prof.dr. ALMIR BADNJEVIĆ

Sarajevo

Direktor kompanije Verlab d.o.o. Sarajevo i osnivač naučnoistraživačkog instituta Verlab za biomedicinski inženjering, medicinske uređaje i vještačku inteligenciju

Profesor na Univerzitetu u Sarajevu

Osnivač i predsjednik Društva za medicinski i biološki inženjering u Bosni i Hercegovini (predstavnik BiH u IFMBE i EAMBES)

Mobitel: +387 61 213 599

E-mail: badnjevic.almir@gmail.com, almir@verlab.ba

ŽIVOTOPIS

Almir Badnjević je rođen 13.07.1986. godine u Bosanskoj Krupi. Magistrirao je na Elektrotehničkom fakultetu Univerziteta u Sarajevu. Doktorski studij je završio na Fakultetu elektrotehnike i računarstva Zagreb (FER), Sveučilišta u Zagrebu 2015. godine.

Od 2008. godine aktivno djeluje u dvije sfere, biznis i akademskoj. Jedan je od utemeljitelja ideje o uključivanju medicinskih uređaja sa funkcijom mjerenja u zakonsko mjeriteljstvo, te uspostavljanja mjerne sljedivosti medicinskih mjerenja na globalnom nivou.

Na toj ideji je u Sarajevu 2014. godine uspostavio jedan od najopremljenijih laboratorija za testiranje i verifikaciju medicinskih uređaja u Evropi, laboratorij Verlab. Na osnovu iskustava stečenih u navedenoj oblasti, kao jedan od urednika napisao je knjigu „*Inspection of medical devices – for regulatory purposes*“ koju je publikovala najveća izdavačka kuća na svijetu, Springer Nature, te koja predstavlja osnovu literaturu za ovu oblast u svim zemljama svijeta.

U periodu od 2010. do 2014. godine radio je u industriji medicinskih uređaja, u polju respiratorne tehnike i gasnih analiza krvi, te je završio preko 20 specijalizacija iz navedenih oblasti širom Evrope.

U akademskoj karijeri, od 2015. godine počinje raditi kao docent i šef odsjeka za Genetiku i bioinženjering na Fakultetu za inženjering i prirodne nauke, Međunarodnog Burch Univerziteta u Sarajevu. Iste godine uspostavlja magistarski i doktorski studij iz oblasti bioinženjeringa u Sarajevu, a prvi na području Bosne i Hercegovine.

Pored toga, od 2015. godine radi i kao pozvani predavač na Univerzitetu u Warwicku (Velika Britanija). Od septembra 2018. godine biva izabran u zvanje vanrednog profesora u oblastima opće elektronike i bioinženjeringa, dok 2019. godine na Farmaceutskom fakultetu Univerziteta u Sarajevu biva izabran u zvanje docenta iz oblasti farmaceutska informatika.

U 2021. godini postaje redovni član Internacionalne akademije nauka i umjetnosti u Bosni i Hercegovini (IANUBIH), te obnaša dužnost Izvršnog direktora iste. U toku 2021. godine primljen je i kao redovni član Evropske akademije nauka i umjetnosti u Salzburgu, Austrija.

U 2014. godini kao jedan od osnivača i izabrani predsjednik pokrenuo je Društvo za medicinski i biološki inženjering u BiH, koje je u rekordnom roku postalo predstavnik BiH u Međunarodnoj Federaciji za medicinski i biološki inženjering (IFMBE) i Evropskoj alijansi za medicinski i biološki inženjering i nauku (EAMBES).

U toku 2021. godine uspostavio je u Sarajevu i prvi EU DIH (evropski digitalni inovacijski hub) pod nazivom LabHub, koji se našao na listi potpuno operativnih digitalni inovacijskih hubova evropske komisije.

Dodatno, od 2015. godine ovo Društvo je na čelu sa njm po prvi put u historiji BiH započelo je sa organizacijom Međunarodne konferencije iz medicinskog i biološkog inženjeringa (CMBEBIH), koja svake druge godine u prosjeku okuplja preko 700 učesnika iz oko 40 svjetskih zemalja, te predstavlja najveći naučni događaj koji se organizira u Bosni i Hercegovini.

Na globalnom nivou, u toku 2016. godine, imenovan je za člana uprave tehničkog komiteta za kardiopulmonarne sisteme najvećeg globalnog instituta inženjera elektrotehnike i elektronike, američkog IEEE, dok je u toku 2020. godine imenovan u upravni odbor globalnih IEEE standarda.

Izabran je na poziciju člana uprave divizije za klinički inženjering pri Međunarodnoj federaciji za medicinski i biološki inženjering (IFMBE) na mandat 2018 – 2024, dok je na poziciju vijećnik (savjetnik) za regulatorna pitanja i blagajnika evropske alijanse za medicinski i biološki inženjering i nauku (EAMBES) izabran na mandat 2018 – 2022. U mandatnom periodu 2019 – 2020 obnašao je funkciju koordinатора IEEE standarda za Regiju 8 (Evropa, Bliski Istok, Afrika). Dodatno, 2019. godine imenovan je za člana nadzornog odbora Privredne banke Sarajevo dd Sarajevo na mandat 2019 – 2023.

Od 2021. godine po prvi put sa područja Bosne i Hercegovine imenovan je i za nositelja počasne titule „IEEE EMBS Istaknuti predavač (Distinguished lecturer)“. Pored toga nositelj je IEEE Senior statusa.

Autor ili koautor je preko 100 poglavlja knjiga, knjiga, časopisa u žurnalima, te članaka sa međunarodnih konferencija. U 2016. godini njegov CV je prepoznat i uključen u Marquis Who's Who in the World.

U 2018. godini, zajedno sa svojim timom dobitnik je globalne IFMBE nagrade za najbolje istraživanje i postignute rezultate iz oblasti kliničkog inženjeringa, dok je 2021. godine kompanija – Verlab, dobitnik globalne timske nagrade iz oblasti kliničkog inženjeringa. Proglašen je za „Ličnost godine u BiH“ od strane SNL magazina 2018. godine, od strane Ladies In magazina za IN muškarca 2020. godine, dok je od strane Face TV proglašen za CD ličnost 2020. godine. Oženjen je i otac dvoje djece.

Curriculum Vitae
ALMIR BADNJEVIĆ, Ph.D.



Work Address 1.

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Medical Devices Verification Laboratory
Ferhadija 27/II, 71000 Sarajevo,
Bosnia and Herzegovina
Phone: +387 33 569 540
e-mail: almir@verlab.ba

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Bosnia and Herzegovina
Phone: +387 33 586 180
Cell: +387 61 213 599
e-mail: almir.badnjevic@ffsa.unsa.ba

EDUCATION

- | | |
|-------------|--|
| 2012 – 2015 | University of Zagreb, Faculty of Electrical Engineering and Computing Zagreb, Croatia
Doctor of Philosophy in Electrical Engineering,
THESIS TITLE: Integrated software system for asthma and chronic obstructive pulmonary disease classification (defended in Sept. 2015) |
| 2008 – 2010 | University of Sarajevo, Faculty of Electrical Engineering Sarajevo, Bosnia and Herzegovina
Master of Engineering Science in Electrical Engineering,
RESEARCH AREA: Automation Control and Electronics |
| 2005 – 2008 | University of Sarajevo, Faculty of Electrical Engineering Sarajevo, Bosnia and Herzegovina
Bachelor of Engineering Science in Electrical Engineering |

BUSINESS AND ACADEMIC WORK EXPERIENCE

- | | |
|----------------------|---|
| Nov 2019 – Present | Assistant Professor at Faculty of Pharmacy Sarajevo, University of Sarajevo, Bosnia and Herzegovina <ol style="list-style-type: none">Teaching Course Farmacy InformaticsTeaching Course Informatics at Faculty of Dentistry Sarajevo, University of Sarajevo |
| March 2014 – Present | Director of Verlab Ltd Sarajevo, Medical Devices Verification Laboratory of National Metrology Institute (NMI) of Bosnia and Herzegovina <ul style="list-style-type: none">Establishing for the first time Medical Devices Verification Laboratory in the Bosnia and Herzegovina for the independent verification according to legal metrology rules of ECG, defibrillators, patient monitors, infusion pumps, |

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- perfusors, anesthesia machines, respirators, baby incubators, therapeutic ultrasound, dialysis machines and blood pressure devices.
 - Company managing and supervising.
 - Lobbying and signing contracts with Business Partners (all private and public healthcare institutions at national level), Banks and other institutions.
 - Reporting Business reports according to Company Management rules.
 - Implementation of laboratory in accordance with ISO 17020:2012 standard.
 - Certification of company by ISO 9001.
 - Establishing the first digital database eVerlab which contains medical devices verification results.
- Oct 2015 - Present **Associate Professor at Genetics and Bioengineering Department and Electrical and Electronics Engineering Department, Faculty of Engineering and Natural Sciences, International Burch University Sarajevo, Bosnia and Herzegovina**
- From October 2015 to September 2018 was Head of Genetics and Bioengineering Department and at the position of Assistant Professor.
 - Teaching Courses at Undergraduate, Graduate and PhD programs:
 - c. GBE 323 – Biomedical Instrumentation
 - d. GBE 325 – Biomedical Signals and Systems
 - e. GBE 330 – Biosensors
 - f. GBE 321 – Intelligent Systems
 - g. GBE 525 – Laboratory Quality Management System
 - h. GBE 320 – Nanotechnology and Nanosensors
 - i. GBE 596 – Seminar II
- Jun 2013 – Mar 2014 **Expert Advisor for Biomedical Engineering and Measurements in Medicine, Micom BH Ltd Sarajevo, Bosnia and Herzegovina (Fluke representative company for Balkan region).**
- Research for Medical Devices with Measuring Function in all Healthcare Institutions in Bosnia and Herzegovina.
 - Working on projects with WHO.
 - Development of Biomedical Engineering in the Bosnia and Herzegovina.
 - Part of the project named: "Measurement in Medicine" for introducing Medical Devices in Legal Metrology System of Bosnia and Herzegovina.
 - The application of the Directives and Standards 93/42 EEC, IEC 60601 and IEC 62353 in Bosnia and Herzegovina.
 - Trainer for Fluke Biomedical Products in the Europe.
- Jun 2010 – Jun 2013 **Manager of Technical Department and Quality Manager of the Laboratory, New Technology Ltd Sarajevo, Bosnia and Herzegovina**
- Planning, evaluation and monitoring (technical, financial and organizational) for Technical Department in the Company (Offices in Sarajevo, Banja Luka, Tuzla and Bihac).
 - Preventive maintenance, service, independent testing and calibration of devices for blood gas analysis (manufacturer Radiometer), respiratory system (Drager, GE, CareFusion, Maquet, Siemens, Acoma, Hamilton, SLE), anesthesia machine's (Drager, GE, TMS), baby incubators (Drager, GE, Ertunc Ozcan), spirometers (Jaeger, Medicon, Schiller), ergospirometers (CareFusion, GE), infusion and perfusion pumps (Alaris, BBraun) on all Bosnia and Herzegovina

area.

- Contract negotiations with new costumers.
- Implementation of laboratory in accordance with ISO 17025 standard.
- Certification of company by ISO 9001.

NON-GOVERNMENT AND PROFESSIONAL WORK EXPERIENCE

- 2021 - Present **Executive Director**, International Academy of Science and Arts in Bosnia and Herzegovina
- a. Responsible for overseeing the administration, programs and strategic plan of the Academy.
 - b. Responsible for fundraising, marketing, and community outreach.
- The position reports directly to the President and Board members of Academy.
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- 2020 - Present **Steering Committee Member**, IEEE Standards
- recommends standards of engineering practices to be followed in the field of Engineering in Medicine and Biology by the electrical, electronic, and allied industries, and by health care providers. In relevant areas this Committee shall coordinate its activities with the IEEE Standards Board and other appropriate standards committees.
 - responsible for the development and coordination of standards projects, including their maintenance after their approval as standards by the IEEE Standards Association Standards Board (IEEE-SASB) for which EMB-SC has been identified or assigned as either the sole technical sponsor or the primary sponsor to oversee its standards Working Groups.
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- 2019 - Present **Member of Supervisory Board**, Privredna Banka Sarajevo dd Sarajevo
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- 2018 - Present **Board Member**, IFMBE Clinical Engineering Division
- To advance worldwide learning, research, knowledge, deployment and communication of healthcare technology management within the clinical engineering community and its understanding by other stakeholders.
 - To promote global communication, networking, and understanding of challenges related to healthcare technology management.
 - To define and promote an international body of knowledge, skills and competences on which the profession of clinical engineering can be practiced in various clinical settings.
 - To advance and disseminate worldwide safety tools and effective decision-making processes within the healthcare technology management system.
 - To define and promote quality standards in clinical engineering practices worldwide.
 - To stimulate innovation and efficient use of technology-related resources in healthcare worldwide.
 - To internationally represent and advocate the interests of the profession of clinical engineers and their global exchange.
 - To encourage, through education and training, clinical engineering practices and

- processes worldwide.
 - Development and updating Guidelines and Health Procedures at global level.
- 2018- 2022 **Treasurer and Councillor for Regulatory Affairs, EAMBES (European Alliance for Medical and Biological Engineering & Science) (2018-2021)**
- Serve and promote MBES at the European and International levels,
 - Foster, co-ordinate and provide added value to the activities of member organizations in MBES and collaborating, where appropriate, with national and international organisations, particularly the International Federation for Medical and Biological Engineering (IFMBE),
 - Support and promote MBES education, training and accreditation programmes,
 - Support and promote MBES research and development,
 - Establish recommendations for the general responsibilities, organizational relationships and roles of those engaged in the field of MBES,
 - Establish and maintain liaison with national and European governments and agencies
 - Improve intersociety relations and co-operation in Europe within MBES and related fields,
 - Encourage and assist in the formation of organizations in MBES where such organizations do not exist,
 - Recognize individual and group achievements and contributions to the field of MBES
- 2016 – Present **Board Member, IEEE International Technical Committee for Cardiopulmonary Systems**
- 2016–2020 **Board Member, ESEM (European organization for Education Students in Engineering and Medicine)**
- Enhance the education in Biomedical Engineering in Europe
 - Help to develop new generations of Biomedical Engineers in Europe.
- Mar 2014 – Present **President, Bosnia and Herzegovina Medical and Biological Engineering Society (IFMBE and EAMBES country representative)**
- Founder of Society and creator of idea for starting activities in the Biomedical Engineering and Clinical Engineering field in the country
 - Representing the Society officially and legally.
 - Organizing IEEE/IFMBE International Conference on Medical and Biological Engineering in Bosnia and Herzegovina (CMBEBIH).
 - Organizing Summer Schools for Biomedical Engineering in the region.

PROFESSIONAL/ACADEMIC HONOURS AND AWARDS

2016	International Burch University Sarajevo, Bosnia and Herzegovina, Rector's Academic Award
2016	CV included in Marquis Who's Who in the World
2018	IFMBE, Clinical Engineering the Best Manuscript Award
2018	IEEE, Senior Member
2018	SNL Magazine Person of the year in Bosnia and Herzegovina
2020	Ladies IN Magazine "The Man" in Bosnia and Herzegovina

2021 Dean's Award for increasing the visibility and citation of the Faculty of Pharmacy Sarajevo

SCHOLARLY AND PROFESSIONAL AFFILIATIONS

- Conference Chair, IEEE/IFMBE CMBEBIH Conference
- Member, Institute of Electrical and Electronics Engineers (IEEE)
- Member, IEEE Engineering in Medicine and Biology Society
- Member, IEEE Standards Association
- IEEE Region 8 Standards Coordination Committee Member (2019 – 2020)
- Member of National Technical Committee for Health protection technology in Institute for standardization of Bosnia and Herzegovina
- Associate at Applied Biomedical Signal Processing and Intelligent eHealth Lab, University of Warwick, UK
- Associate Editor in IOS Press Technology and Health Care Journal
- Associate Editor in Springer's Health and Technology Journal
- Associate Editor in Springer Nature BioMedical Engineering OnLine Journal
- Editorial Board Member, IEEE Open Journal of Engineering in Medicine and Biology
- Medical Devices Technical Assessor for ISO/IEC 17020 in Accreditation Body of Serbia
- Full member of International Academy of Science and Arts in Bosnia and Herzegovina
- Ordinary Member of European Academy of Sciences and Arts

PROFESSIONAL SCIENTIFIC SERVICES

Expert Referee	<ol style="list-style-type: none"> 1. EURAMET EMPIR Call 2. HORIZON 2020 3. COST
Editorial Board	<ol style="list-style-type: none"> 1. Technology and Health Care Journal, IOS Press 2. Health and Technology Journal, Springer 3. BioMedical Engineering OnLine, Springer Nature 4. IEEE Open Journal of Engineering in Medicine and Biology

RESEARCH INTERESTS

- | | |
|--|----------------------------|
| • Biomedical Engineering | • Medical Devices |
| • Biomedical signals and Instrumentation | • Standards |
| • Artificial Neural Network | • Accreditation |
| • Fuzzy Logic | • Testing and verification |
| • Expert Systems | • Metrology |

RESEARCH GRANTS, PROJECTS AND CONTRACTS

1. Measurement in Medicine: Introduction of Medical Devices with Measuring Function into Legal Metrology Framework of Bosnia and Herzegovina. Contributors (with H. Memić, D. Franjić, A. Šabeta, O. Šibonjić). Institute of Metrology of Bosnia and Herzegovina. (2013-2014).
2. Mutual future based on mutual interests. Project leader (Bosnia and Herzegovina Medical and Biological Engineering Society). United Nations in Bosnia and Herzegovina. Program Dialogue for the Future: Promoting Coexistence and Diversity in B&H. (2014-2017).
3. Implementation of ISO 17020 standard and accreditation of Inspection laboratory Verlab Ltd Sarajevo, Bosnia and Herzegovina (2015).

4. QSAR and neural network in design pharmacological active xanthenes. Contributor (with E. Veljovic, D. Završnik, S. Spirotovic – Halilovic, S. Muratovic, A. Osmanovic, S. Filipic, K. Novakovic, T. Bego, M. Malenica). Federal Ministry of Education and Science Bosnia and Herzegovina. Financing /co-financing of scientific research and research- development projects in FBiH in 2016 (2016 – Present).
5. Bosnia and Herzegovina MC Member at COST Action BM1309, Biomedicine And Molecular Biosciences
European network for innovative uses of EMFs in biomedical applications (EMF-MED) (2014 – 2018).
6. Bosnia and Herzegovina MC Member at COST Action CA15120, COST Association Open Multiscale Systems Medicine (OpenMultiMed) (2016-2020).
7. Bosnia and Herzegovina MC Member at COST Action CA15110, COST Association Harmonising standardisation strategies to increase efficiency and competitiveness of European life-science research (CHARME) (2016-2020).
8. Co-financing the organization of scientific conferences in the Sarajevo Canton in 2016. „International Conference on Medical and Biological Engineering – CMBEBIH 2017“. Ministry of Education, Science and Youth of Sarajevo Canton.
9. Support to technical culture and innovation in Bosnia and Herzegovina for 2017. “Development of telemetry system for diagnostic patients with asthma and COPD in rural areas of Bosnia and Herzegovina”. Ministry of Civil Affairs of Bosnia and Herzegovina grant. (January to April 2018).
10. Programs for preparing projects and potential applicants for H2020 funding for 2017., “*SRT-r03MedUlt: Development of expanded metrological capability for medical ultrasound*”. Ministry of Civil Affairs of Bosnia and Herzegovina
11. Co-financing science projects. „CMBEBIH 2017“. Ministry of Education and Science of Federation of Bosnia and Herzegovina.
12. Support to technical culture and innovation in Bosnia and Herzegovina in 2018., “*Development of expert system based on neural networks for performances prediction and preventive maintenance planning of medical devices*”. Ministry of Civil Affairs of Bosnia and Herzegovina
13. Co-financing the organization of scientific conferences in the Sarajevo Canton in 2018. “*Regional school of Biomedical Engineering*”. Ministry of Education, Science and Youth of Sarajevo Canton.
14. Programs for preparing projects and potential applicants for H2020 funding for 2018., “H2020 TraceHTA - Evidence-based multivariable Health Technology Assessment (HTA) method for improving diagnosis and treatment of patients“. Ministry of Civil Affairs of Bosnia and Herzegovina
15. TAIEX Regional Workshop on Biomedical Engineering (Biomedical Signals, Medical Physics, Nanotechnology, Biosensors, Genetics, Renewable Energy Sources). European Commission. (February – December 2018)
16. Study: “Medical Devices with Measuring Function as part of Legal Metrology Framework in Republic of Serbia. Ministry of Health of Republic of Serbia.
17. “Innovating quality assessment tools for pharmacy studies in Bosnia and Herzegovina”. Erasmus+ Capacity Building (2020)
18. “Investigation of the optimal trajectory of a mobile robot for space disinfection from coronaviruses“. Ministry for Education, Science and Youth of Canton Sarajevo.
19. Programs for preparing projects and potential applicants for H2020 funding for 2020., “Capacity building for development of innovative system for prediction of Medical Device performances “. Ministry of Civil Affairs of Bosnia and Herzegovina
20. “Improved metrology for quantitative MRI“. European Metrology Programme for Innovation and Research (EMPIR)
21. Implementation of ISO 15189 standard and accreditation of Medical laboratory Eurofarm Center Ltd Sarajevo, Bosnia and Herzegovina (2021).

EXPERT CONSULTING

1. Developing, implementation and accreditation of Inspection body Verlab in accordance with ISO 17020 standard:
 - a) Developing general procedures for inspection body
 - b) Developing and validating technical procedures for inspection body
 - c) Quality system implementation and staff training
 - d) Accreditation process of 10 different methods under Institute of Accreditation of Bosnia and Herzegovina

2. Developing and implementation of Bylaws for Institute of Metrology of Bosnia and Herzegovina:
 - a) Rulebook on technical and metrological requirement for mechanical ventilators and anaesthesia machines
 - b) Rulebook on technical and metrological requirement for defibrillators
 - c) Rulebook on technical and metrological requirement for dialysis machines
 - d) Rulebook on technical and metrological requirement for ECG
 - e) Rulebook on technical and metrological requirement for patient monitors
 - f) Rulebook on technical and metrological requirement for infusion and perfusion pumps
 - g) Rulebook on technical and metrological requirement for neonate and paediatric incubators
 - h) Rulebook on technical and metrological requirement for therapeutical ultrasounds

3. Developing and implementation of Bylaws for Ministry of Health and Directorate of Measures and Precious metals of Republic of Serbia:
 - a) Rulebook for inspection of ECG
 - b) Rulebook for inspection of measuring devices which are part of infusion and perfusion pumps
 - c) Rulebook for inspection of measuring devices which are part of anaesthesia machines
 - d) Rulebook for inspection of measuring devices which are part of defibrillators
 - e) Rulebook for inspection of measuring devices which are part of dialysis machines
 - f) Rulebook for inspection of measuring devices which are part of neonate and paediatric incubators and radiant warmers
 - g) Rulebook for inspection of measuring devices which are part of mechanical ventilators
 - h) Rulebook for inspection of measuring devices which are part of ultrasonic physiotherapeutic devices
 - i) Rulebook for inspection of measuring devices which are part of multifunctional devices for patient monitoring
 - j) Rulebook for inspection of measuring devices which are part of high frequency surgical knives and high frequency surgical equipment

4. Developing, implementation and accreditation of Medical laboratory Eurofarm Center in accordance with ISO 15189 standard:
 - e) Developing general procedures for medical laboratory
 - f) Developing and validating technical procedures for medical laboratory
 - g) Quality system implementation and staff training
 - h) Accreditation process of 60 different methods under Institute of Accreditation of Bosnia and Herzegovina

INVITED LECTURES

1. Invited Lecture: "Metrology in Medicine" at Balkan Health Forum 2013, Sarajevo, Bosnia and

Herzegovina

2. Invited Lecture: "Metrology in Medicine" at Healthcare Days of Bosnia and Herzegovina 2013, Sarajevo, Bosnia and Herzegovina
3. Invited Lecture: "Traceability of medical measurement" at Balkan Health Forum 2014, Belgrade, Serbia
4. Invited Lecture: "Towards new medical device regulations in Bosnia and Herzegovina" at 6th European Conference (MBEC) of IFMBE, 07-11. September 2014., Dubrovnik, Croatia
5. Invited Lecture: "Metrology in Medicine – past, present, future" at Multitechnic Symposium 2014, Faculty of Mechanical Engineering, University of Sarajevo
6. Invited Lecture: "Classification of respiratory diseases using integrated software suite" at the 1st International Medical Student Congress (SAMED) 2015, Sarajevo, Bosnia and Herzegovina
7. Invited Lecture: "Diagnosis of respiratory diseases using neuro-fuzzy expert systems" at Faculty of Electrical Engineering Podgorica and University of Podgorica 2015, Podgorica, Montenegro
8. Invited Lecture and Motivation Speech at CEO (Career and Entrepreneurship Opportunities) Conference 2015, Sarajevo, Bosna i Herzegovina
9. Invited Lecture: "Possible medical diagnostic and treatment errors caused by nonverified medical devices" at 2nd International Medical Student Congress (SAMED) 2016, Sarajevo, Bosna i Herzegovina
10. Invited Lecture: "New approaches to maintenance procedures of Medical Devices with measuring functions" for IEEE Croatia Section and CROMBES at Faculty of Electrical Engineering and Computing, University of Zagreb, 2016, Zagreb, Croatia
11. Invited Lecture: "Legal Metrology Framework for Medical Devices" for representatives of Ministry of Health of Serbia, Technical engineers from healthcare institution and private companies in the field of medical devices in Serbia, 2016, Belgrade, Serbia
12. TEDx Talk Sarajevo, TEDxStarigrad Speaker, Sarajevo, Bosnia and Herzegovina, 2016
13. Invited Lecture: "Technology and Innovation for a brighter future", BiH IEEE Student and Young Professional Congress, 2016, Sarajevo, Bosnia and Herzegovina
14. Keynote Lecture: "New approaches to maintenance procedures of Medical Devices with measuring functions" at IEEE 5th Mediterranean Conference on Embedded Computing (MECO), 2016, Bar, Montenegro
15. Technical University of Vienna, COST Action, EMC and Safety of Medical Devices, 2017
16. Invited Lecture: "Legal Metrology Framework for Medical Devices", China and Central Eastern Europe Innovation Forum 2017, Bratislava, Slovakia, 2017
17. Training for Inspection and Calibration of Patient Monitors with Fluke Biomedical Equipment, employees of SIQ (Slovenian Institute of Quality and Metrology) Ljubljana, Slovenia, 2017
18. Invited Lecture: "Establishing traceability of medical devices and expert system development for automated respiratory diseases diagnosis", University of Pittsburgh, USA, 2018
19. Invited Lecture: "Application of Neural Networks in diabetes diagnosis", Tuzla Brain Week, Tuzla, Bosnia and Herzegovina, 2018

20. Invited Lecture: "Regulation of medical measurements for sustainable healthcare", International Week MDH University Vasteras, Sweden, 2018
21. Invited Lecture: "Medical Devices Post-Market Surveillance Experiences", IEEE Croatia Section, Zagreb, Croatia, 2018
22. Invited Lecture: "Legal Metrology Framework for Medical Devices", IEEE Standards Summit Istanbul, Medipol University Istanbul, Turkey, 2018
23. Invited Lecture: "Medical Devices: Legal Metrology Framework", Emirates International Accreditation Center, Dubai, UAE, 2018
24. Invited lecture and workshop: "Management of Medical Equipment in Eastern Europe", WHO 4th Global Forum on Medical Devices, Visakhapatnam, India, 2018
25. Invited lecture and workshop: "Medical Devices Post-market surveillance experiences", WHO 4th Global Forum on Medical Devices, Visakhapatnam, India, 2018
26. Invited lecture and workshop: "Artificial Intelligence and design of medical devices for Low Resource Settings", WHO 4th Global Forum on Medical Devices, Visakhapatnam, India, 2018
27. Keynote Speaker at International Clinical Engineering and Health Technology Management Congress, Rome, Italy, 2019
28. Invited Speaker at IUPESM Early Career Chapter, Rome, Italy, 2019
29. Keynote Speaker at European Forum: "Biomedical Engineering from Research to Commercialization", Warsaw, Poland, 2019
30. Invited Speaker and Moderator of EAMBES Joint Session: "Medical Device Regulations, Standards, Accreditation and Certification" at 54th Annual Conference of the German Society for Biomedical Engineering, Germany 2020
31. MyEMBS Webinar Distinguished Lecturers Program & Professional Talk: "Legal Metrology Framework for Medical Devices", IEEE EMBS Malaysia Chapter 2021
32. Invited Lecturer at World Metrology Day 2021: "Legal metrology framework for medical devices", Croatian Metrology Society 2021
33. Invited Speaker and Moderator at The second international symposium on reduction of maternal mortality in developing countries and recent progress in clinical medicine: "Artificial intelligence – whether it starts in the antenatal period", Tuzla, Bosnia and Herzegovina
34. Invited IEEE Distinguished Lecturer at XIV Annual Biomedical Engineering Congress Chile: "Implementation of laboratories for testing, inspection and calibration of medical devices", IEEE EMBS chapter of the Universidad de Concepción, Chile, 2021.

SCHOLARLY CONTRIBUTIONS

Books:

1. Omanović – Mikličanin E., Badnjević A. (2017), "Uvod u nanotehnologiju", Univerzitet u Sarajevu, ISBN 978-9958-597-56-5
2. Badnjevic A., (2017), „CMBEBIH 2017: Proceedings of the International Conference on Medical and Biological Engineering 2017“, Springer, ISBN: 978-981-10-4166-2

3. Badnjević A., Cifrek M., Magjarević R., Džemić Z. (eds) "Inspection of Medical Devices." Series in Biomedical Engineering. 2018, Springer, Singapore
4. Maksimović M., Omanović-Miklićanin E., Badnjević A. "Nanofood and Internet of Nano Things." Springer International Publishing. 2019., eBook ISBN: 978-3-030-15054-9
5. Badnjevic Almir, Škrbić Ranko, Gurbeta Pokvić Lejla (Eds.), (2019), „CMBEBIH 2019: "Proceedings of the International Conference on Medical and Biological Engineering", Springer, ISBN: 978-3-030-17971-7
6. Almir Badnjevic, Lejla Gurbeta Pokvić (Eds.), (2021), „CMBEBIH 2021: "Proceedings of the International Conference on Medical and Biological Engineering", Springer, ISBN: 978-3-030-73908-9

Book Chapters

1. Badnjevic A., Cifrek M., Gurbeta L., Feric E., „Classification of Chronic Obstructive Pulmonary Diseases Based on Neuro-Fuzzy Software" in the Book: „Chronic Obstructive Pulmonary Disease (COPD): Clinical Symptoms, Emerging Treatment Strategies and Impact on Quality of Life", 2016, Nova Science Publisher, ISBN: 978-1-63484-500-7, 2016.
2. Granulo E, Becar L, Gurbeta L, Badnjevic A., „Telemetry System for Diagnosis of Asthma and Chronical Obstructive Pulmonary Disease (COPD)", Internet of Things Technologies for HealthCare. Mobyen Uddid Ahmed, Shahina Begum, Wasim Raad. Springer International Publishing, 2016, pp. 113-118, DOI:10.1007/978-3-319-51234-1_18
3. Badnjević A., Cifrek M., Magjarević R., Džemić Z. (2018) Introduction. In: Badnjević A., Cifrek M., Magjarević R., Džemić Z. (eds) Inspection of Medical Devices. Series in Biomedical Engineering. Springer, Singapore
4. Memić H., Badnjević A., Džemić Z. (2018) Regulations and Directives—Past, Present, Future. In: Badnjević A., Cifrek M., Magjarević R., Džemić Z. (eds) Inspection of Medical Devices. Series in Biomedical Engineering. Springer, Singapore
5. Bošnjaković A., Badnjević A., Džemić Z. (2018) Legal Metrology System—Past, Present, Future. In: Badnjević A., Cifrek M., Magjarević R., Džemić Z. (eds) Inspection of Medical Devices. Series in Biomedical Engineering. Springer, Singapore
6. Magjarević R., Badnjević A. (2018) Inspection and Testing of Electrocardiographs (ECG) Devices. In: Badnjević A., Cifrek M., Magjarević R., Džemić Z. (eds) Inspection of Medical Devices. Series in Biomedical Engineering. Springer, Singapore
7. Vuković D., Badnjević A., Omanović – Miklićanin E. (2018) Cost Effectiveness and Increasing of Accuracy of Medical Devices In Legal Metrology System: Case Study Bosnia and Herzegovina. In: Badnjević A., Cifrek M., Magjarević R., Džemić Z. (eds) Inspection of Medical Devices. Series in Biomedical Engineering. Springer, Singapore
8. Badnjević A. (2020) Medical device standards, regulations, and the law. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 713-714, Academic Press, Elsevier.
9. Džemić Z., Memić H., Vitt MP., Badnjević A. (2020) Chapter 100: Need for standards and their development. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 715-721, Academic Press, Elsevier.
10. Džemić Z., Memić H., Badnjević A. (2020) Chapter 101: Regulations and Laws. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 722-727, Academic Press, Elsevier.
11. Džemić Z., Bošnjaković A., Badnjević A. (2020) Chapter 103 - Healthcare quality and ISO/IEC 17020. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 731-735, Academic Press, Elsevier.
12. Badnjević A., Gurbeta Pokvić L. (2020) Chapter 108 - Legal metrology framework for medical devices. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 774-779, Academic Press, Elsevier.
13. Badnjević A., Vuković D. (2020) Chapter 109 - Improving the accuracy and efficiency of medical devices in the legal metrology system of Bosnia and Herzegovina. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 780-786, Academic Press, Elsevier.
14. Badnjević A. (2020) Medical devices: Utilization and service. In: Iadanza E. Clinical Engineering Handbook

- (Second Edition), Pages 477, Academic Press, Elsevier.
15. Badnjević A., Gurbeta Pokvić L., Spahić L. (2020) Chapter 72 - Anesthesia. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 478-483, Academic Press, Elsevier.
 16. Badnjević A., Gurbeta Pokvić L., Spahić L. (2020) Chapter 73 - Cardiovascular techniques and technology. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 484-490, Academic Press, Elsevier.
 17. Badnjević A., Gurbeta Pokvić L., Spahić L. (2020) Chapter 74 - Inspection of medical devices. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 491-497, Academic Press, Elsevier.
 18. Badnjević A., Gurbeta Pokvić L. (2020) Chapter 75 - Hospital beds. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 498-502, Academic Press, Elsevier.
 19. Badnjević A., Gurbeta Pokvić L. (2020) Chapter 76 - Intensive care unit. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 503-508, Academic Press, Elsevier.
 20. Badnjević A., Gurbeta Pokvić L. (2020) Chapter 77 - Imaging. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 509-513, Academic Press, Elsevier.
 21. Badnjević A., Gurbeta Pokvić L., Spahić L. (2020) Chapter 78 - Pediatric and neonate incubators. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 514-519, Academic Press, Elsevier.
 22. Badnjević A., Gurbeta Pokvić L. (2020) Chapter 79 - Medical devices maintenance. In: Iadanza E. Clinical Engineering Handbook (Second Edition), Pages 520-526, Academic Press, Elsevier.
 23. Lejla Gurbeta Pokvic, Lemana Spahic, Almir Badnjevic. Implementation of Industry 4.0 in Transformation of Medical Device Maintenance Systems. in: Isak Karabegović, Ahmed Kovačević, Lejla Banjanović-Mehmedović, Predrag Dašić, Editors. Handbook of Research on Integrating Industry 4.0 in Business and Manufacturing. Hershey: IGI Global; 2020.: p. 512-532.

Refereed Journal Publications

1. Koruga D., Plavec G., Kopitovic I., Cekerevac I., Badnjevic A. „Clinical evaluation of lung function with impulse oscillometry – clinical acting and interpretation results“, *Respiron Journal* (2014) Vol 51, No 1-2
2. Badnjevic A, Gurbeta L, Boskovic D, Dzemic Z. „Measurement in medicine – Past, present, future“, *Folia Medica Facultatis Medicinae Universitatis Saraeviensis Journal* (2015) 50(1): 43-46
3. Badnjevic – Cengic A, Kovacevic P, Dragic S, Momcicevic D, Badnjevic A, Gurbeta L, Hasanefendic B. „Serum nitric oxide levels in patients with acute myocardial infarction with ST elevation (STEMI)“, *Respiron Journal* (2015) Vol 5, No 1-2
4. Badnjevic A, Cifrek M, Koruga D, Osmankovic D. „Neuro-fuzzy classification of asthma and chronic obstructive pulmonary disease,“ *BMC Medical Informatics and Decision Making Journal* (2015) 15 (Suppl 3):S1; doi: 10.1186/1472-6947-15-S3-S1
5. Gurbeta L, Badnjević A., „Inspection process of medical devices in healthcare institutions: software solution,“ *Health Technol.* (2017) Volume 7, Issue 1, pp 109–117, doi:10.1007/s12553-016-0154-2
6. Badnjevic A, Gurbeta L, Jimenez E.R., Iadanza E. „Testing of mechanical ventilators and infant incubators in healthcare institutions“ *Technology and Health Care* (2017) vol. 25, no. 2, pp. 237-250
7. Dogan S, Nalcaci N, Dogan S, Badnjevic A, Kurtovic A, et al. (2017) Changes in Blood Pressure and Heart Rate Measurement Undergraduate Students During Exam Period. *J Biom Biostat* (2017) 8:347. doi: 10.4172/2155-6180.1000347
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 9. Badnjevic A, Judd T, Garcia A, Bergamasco S, Hussein A, Ameel M., “Management of Medical Equipment”, WHO 4th Global Forum on Medical Devices, 13 – 15 December 2018., Visakhapatnam, India
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 11. Badnjevic A., “Software for tracking and prediction of performances of MDs. Planning maintenance”, WHO 4th Global Forum on Medical Devices, 13 – 15 December 2018., Visakhapatnam, India

THESIS SUPERVISION

Undergraduate thesis supervision

2015 – 2016	Berina Alić, International Burch University Sarajevo, “Classification of metabolic syndrome patients using implemented expert system”
2015 – 2016	Layla Abden-Ilah, International Burch University Sarajevo, “Breast cancer classification using artificial neural networks”
2015 – 2016	Dijana Sejdinović, International Burch University Sarajevo, “Classification of prediabetes and diabetes type 2 using artificial neural network”
2015 – 2016	Almir Aljović, International Burch University Sarajevo, “Artificial neural networks in the discrimination of Alzheimer's disease using biomarkers and cognition data”
2016 – 2017	Alma Jakupović, International Burch University Sarajevo, “Developing of expert systems for diagnostic of metabolic syndrome patients”
2016 – 2017	Ahmed Hasanagić, International Burch University Sarajevo, “Recording, acquisition and signal processing of ECG signals using Pasco sensor and Matlab”
2017 – 2018	Emina Kurta, International Burch University Sarajevo, “Electromagnetic Compatibility Effect on Medical Devices”
2017 – 2018	Lamija Hafizović, International Burch University Sarajevo, “Research tools for complex physiologic signals analysis”
2017 – 2018	Lejla Hadzic, International Burch University Sarajevo, “Recording, acquisition and signal processing of blood pressure signals using Pasco sensor and Matlab”
2017 – 2018	Maida Avdic, International Burch University, “A comparative study of Hemoglobin measurement technology”
2019 – 2020	Dina Kastali, International Burch University, “Biosensors: An overview of use in clinical practice”

Graduate thesis supervision

2017 – 2018	Berina Alić, International Burch University Sarajevo, „Application of ISO/IEC 17025 accreditation of autosomal and Y-chromosome STR typing”
2017 – 2018	Layla Abdel Ilah, International Burch University Sarajevo, „Quantitative structure activity relationship and artificial neural networks in design of benzimidazoles as antiproliferative agents”
2020 - 2021	Tarik Ramić, International Burch University Sarajevo, “Advantages and disadvantages of electrical impedance and optical platelets counts in hematology analyzers”

Postgraduate thesis supervision

- 2018 – 2019 Lejla Gurbeta, International Burch University Sarajevo, „Determination and experimental validation of the uncertainty and documentation of traceability chain in measurements of temperature, humidity and sound in infant incubator“
- 2019 - 2020 Živorad Kovačević, International Burch University Sarajevo, “Development of new methods and experimental validation of machine learning algorithms for prediction of output parameters and service management of manual defibrillators“

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УНИВЕРЗИТЕТ ПРИВРЕДНА АКАДЕМИЈА
У НОВОМ САДУ
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Фармацеутски факултет
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Број: 99/14-1-6/24
Датум: 11.05.2022.

На основу члана 58, став 3, тачка 5. и члана 75, став 2, Закона о високом образовању („Службени гласник РС“ број: 88/2017, број: 73/2018, број: 27/2018- др. закон, број: 67/2019, број 6/2020 - др. закони и број: 11/2021-аутентично тумачење, члана 37, став 1, тачка 2, Статута Универзитета Привредна академија у Новом Саду (број: 28/1/21 од 01.04.2021.године) и члана 8, став 1, Правилника о начину и поступку стицања звања и заснивања радног односа наставника Универзитета (број: 36/2 од 14.09.2006.године), Сенат Универзитета на XV седници одржаној 11.05.2022.године, на предлог Фармацеутског факултета, Нови Сад, донео је следећу

ОДЛУКУ

др **Светлана Стојков**, бира се у звање ванредног професора, за ужу научну област Фармацеутске науке, на одређено време, у трајању од 5 (пет) година.

Образложење

Фармацеутски факултет, Нови Сад (у даљем тексту: Факултет) расписао је конкурсе за заснивање радног односа и стицање звања наставника за ужу научну област Фармацеутске науке, који је објављен на сајту Факултета, дана 14.02.2022. године.

На конкурсе Факултета благовремено се пријавио кандидат, др Светлана Стојков.

Комисија Факултета у саставу: проф. др Александра Јовановић Галовић, проф. др Бранка Легетић и проф. др Наташа Јовановић Љешковић, сачинила је Извештај о кандидату пријављеном на конкурсе и предложила је да др Светлана Стојков буде изабран у звање ванредног професора.

Изборно веће Факултета, на седници одржаној 13.04.2022.године утврдило је предлог Комисије за избор у звање ванредног професора др Светлане Стојков за ужу научну област Фармацеутске науке.

Сенат Универзитета разматрао је предлог Факултета и донео одлуку, као у диспозитиву.

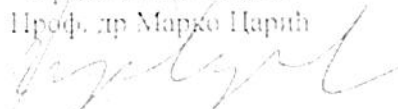
ПОУКА О ПРАВНОМ ЛЕКУ:

Против ове одлуке може се поднети тужба Управном суду у Београду у року од 30 дана од дана достављања ове одлуке.

Доставити:

1. Кандидату
2. Факултету
3. Архиви

Председник Сената
Проф. др Марко Царић



Prof. dr Svetlana Stojkov, biografija

Diplomirala na Farmaceutskom fakultetu Univerziteta u Sarajevu 1990. godine. Završila specijalističke akademske studije – Farmakoeconomija i farmaceutska legislativa (2006.) i Farmaceutski menadžment i marketing (2008.) na Farmaceutskom fakultetu Univerziteta u Beogradu, Katedri za socijalnu farmaciju i farmaceutske zakonodavstvo.

Magistarsku tezu na temu *Specifičnosti primene marketinga u apotekama*, odbranila 2008. godine na Ekonomskom fakultetu u Subotici, Univerzitet u Novom Sadu.

Doktorske studije sa temom *Razvoj, primena i evaluacija instrumenata za procenu kompetencija farmaceuta u javnim apotekama u Srbiji* pri Katedri socijalne farmacije i farmaceutske zakonodavstva, Farmaceutskog fakulteta Univerziteta u Beogradu, završila 2016.

Odlukom Senata Univerziteta Farmaceutskog fakulteta Privredna akademija Novi Sad, 2022. godine izabrana u zvanje vanrednog profesora za užu naučnu oblast farmaceutske nauke.

U prethodnom periodu obavljala je dužnosti koordinatora Komisije za razvoj kompetencija farmaceuta u primarnoj zdravstvenoj zaštiti pri Farmaceutskoj komori Srbije, članica Republičke stručne komisije za farmaciju, Radne grupe Ministarstva poljoprivrede i zaštite životne sredine za donošenje Pravilnika o načinu i postupku upravljanja farmaceutskim otpadom, Radne grupe Ministarstva zdravlja za donošenje Pravilnika o izmenama i dopunama Pravilnika za sprovođenje kontinuirane edukacije zdravstvenih radnika i zdravstvenih saradnika, Radne grupe Ministarstva zdravlja za donošenje Pravilnika o listi predmeta koji se mogu prodavati u apoteci, Radne grupe Ministarstva zdravlja za donošenje Nacionalne politike lekova, Radne grupe Ministarstva zdravlja za donošenje Zakona o apotekarskoj delatnosti, i drugim radnim telima republičkih institucija, programskog saveta Centra za razvoj farmaceutske i biohemijske prakse Farmaceutskog fakulteta Univerziteta u Beogradu, Upravnog odbora Agencije za akreditaciju zdravstvenih ustanova Srbije, Saveza farmaceutske udruženja Srbije (SFUS), kao i Udruženja građana *Zagrad* u Subotici. Od 2021. godine obavlja dužnost koordinatora podružnice VSOVSU Crvenog krsta u Subotici.

Posvećenost i odgovornost prema pozivu i funkciji koju obavlja ogleda se u poslovnim rezultatima realizovanih u Apoteci Subotica (2004-2013), kao direktor apoteke, i na mestu direktora Farmaceutske komore Srbije (2014-2018.)

Iskustvo u nastavi stekla je kao gost predavač na Farmaceutskom fakultetu u Univerzitetu Beogradu, Medicinskom fakultetu Univerziteta u Kragujevcu, i angažmanom na Farmaceutskom fakultetu PA Novi Sad, kao nosilac predmeta na osnovnim studijama farmacije: Sociologija i zdravstvo, Informacioni sistemi u farmaciji, Marketing u farmaciji, Marketing kozmetičkih proizvoda (specijalističke akademske studije Kozmetologija), Komunikacija u zdravstvu, Timski rad i komunikacija, Profesionalni razvoj I i III; i kao predavač na predmetima: Uvod u farmaciju; Menadžment u zdravstvu; Mikro, makro i ekološka ekonomija.

Koautor udžbenika/studije:

- Stojkov S., Legetić B., Arsić J., Jovanović Lješković N. *Farmacija i društvo – odabrana poglavlja*; 2019; Novi Sad: Farmaceutski fakultet Privredna akademija Novi Sad (ISBN 978-86-80788-12-8)
- Milovanović S. (urednik). *Psihijatrija sa negom psihijatrijskih bolesnika*; 2019; Beograd: Medicinski fakultet Univerzitet u Beogradu (ISBN 978-86-7117-580-7)
- Đurić D., Popović M., Škrbić R., Biočanin V. (urednici); 2021; *Farmakoterapijski priručnik za stomatologe*; Kragujevac: Fakultet medicinskih nauka Univerziteta u Kragujevcu (ISBN 978-86-7760-163-8)
- Jovanović Lješković N., Stojkov S., Vasiljković J., Ilić M., Milojević G., Gigov S. 2020; Studija: *Uloga i mogućnosti lokalne samouprave grada Novog Sada u upravljanju tokovima farmaceutskog otpada*; 2021; Novi Sad: Farmaceutski fakultet Novi Sad (ISBN 978-86-80788-18-8)

Član komisije za odbranu diplomskih i specijalističkih radova na Farmaceutskom fakultetu u Beogradu, i mentor/član komisija za odbranu diplomskih radova na Farmaceutskom fakultetu PA Novi Sad.

U periodu od 2009 do 2021 bila je jedan od nosilaca više od dvadeset kurseva u okviru kontinuirane edukacije zdravstvenih radnika akreditovanih od Zdravstvenog saveta Srbije.

Od 2018. član Uređivačkog odbora Naučnog časopisa PONS Medicinski časopis.

Od 2019. koordinator Centra za kontinuirani i profesionalni razvoj Farmaceutskog fakulteta PA Novi Sad.

Predavač po pozivu u zemlji i inostranstvu, član organizacionih, stručnih, programskih i naučnih odbora domaćih i međunarodnih skupova.

Učestvovala u projektima Farmaceutskog fakulteta Novi Sad, Univerzitet Privredna Akademija Novi Sad, promovisanim u Odluci (EU) 2017/864 Evropskog parlamenta i Saveta od 27. maja 2017. o Evropskoj godini kulturnog nasleđa (2018), #EHD, programu odobrenom od Ministarstva kulture i informisanja Republike Srbije pod nazivom: „Srpska žena kao nosilac ranog apotekarstva i lečenja lekovitim biljem kroz vekove srpske istorije i kulture“ i projekta; projekat Gradske uprave za zaštitu životne sredine Grada Novog Sada- „Uloga i mogućnosti lokalne samoupravne grada Novog Sada u upravljanju tokovima farmaceutskog otpada“.

Autor i koautor preko sedamdeset stručnih radova i saopštenja objavljenih u domaćim i međunarodnim časopisima i skupovima, od kojih je 10 na SCI listi.

RADOVI NA SCI LISTI (M21-M24/SCle)

1. Vezmar Kovačević S, Simišić M, **Stojkov RS**, Vučićević K, Prostran M, Miljković B. Potentially Inappropriate Prescribing in Older Primary Care Patients. PLoS ONE 2014;

2. **Stojkov S**, Tadic I., Crnjanski T, Krajnovic D., Bates I. Evaluation of Competences at the Community Pharmacy Settings. *Indian Journal of Pharmaceutical Education and Research* 2014; 48(4):22-30;
3. Crnjanski T, Krajnovic D, Tadic I, **Stojkov S**, Savic M. An Ethical Issue Scale for Community Pharmacy Setting (EISP): Development and Validation. *Science and Engineering Ethics* 2015;
4. Binakaj Z, Stojkov S. Pharmaceutical Care of the Patients Suffering from Depression. *Journal of Pharmacy and Pharmacology* 4 2016; 253-260
5. **Stojkov S**, Tadić I, Crnjaski T, Krajnović D. Assesment and self-assesment of the pharmacists' competencies using the Global Competency Framework (GBCF) in Serbia. *Vojnosanit Pregl* 2016; 73(9): 803–810;
6. Jovic DD, Djonovic NZ, Krajnovic DM, Stefanovic SM, **Stojkov SS**, Kocic SS. Cultural Adaptation and Examination of Metric Characteristics Shirom-Melamed Burnout Questionnaire (Smbq) On a Sample of Pharmacists in Serbia. *Indian J of Pharmaceutical Education and Research*. 2017; 51(2S):S46-S53.
7. Binakaj Z, **Stojkov S**, Angelovska B, Drakalska E. The Role of Pharmacist in Treatment of Depression. *Journal of Pharmacy and Pharmacology* 6 2018; 149-152.
8. Javorac J, Živanović D, **Stojkov S**, Miličić JĐ, Fradelos E, Savić N. COVID-19 associated pulmonary embolism with D-dimer values within the referent range: a case report and review of the literature. *Eur Rev Med Pharmacol Sci*.2021;25(24):7971-5
9. Rankovic M, Draginic N, Jeremic J, Samanovic AM, **Stojkov S**, Mitrovic S, Jeremic N, Radonjic T, Srejovic I, Bolevich S, Svistunov A, Jakovljevic V and Turnic TN Protective Role of Vitamin B₁ in Doxorubicin-Induced Cardiotoxicity in Rats: Focus on Hemodynamic, Redox, and Apoptotic Markers in Heart. *Front. Physiol.* 12:690619.
10. Živanović D, Mijatović Jovin V, Javorac J, Kvrđić S, Rašković A, **Stojkov S**, Kašiković Lečić S, Savić N, Kralj M, Milenković A. Measuring pharmacovigilance knowledge and attitudes among healthcare sciences students: development and validation of a universal questionnaire. *Eur Rev Med Pharmacol Sci*. (Forthcoming)