



# XXII

**SRPSKI KONGRES**  
MEDICINSKE BIOHEMIJE  
I LABORATORIJSKE MEDICINE  
sa međunarodnim učešćem

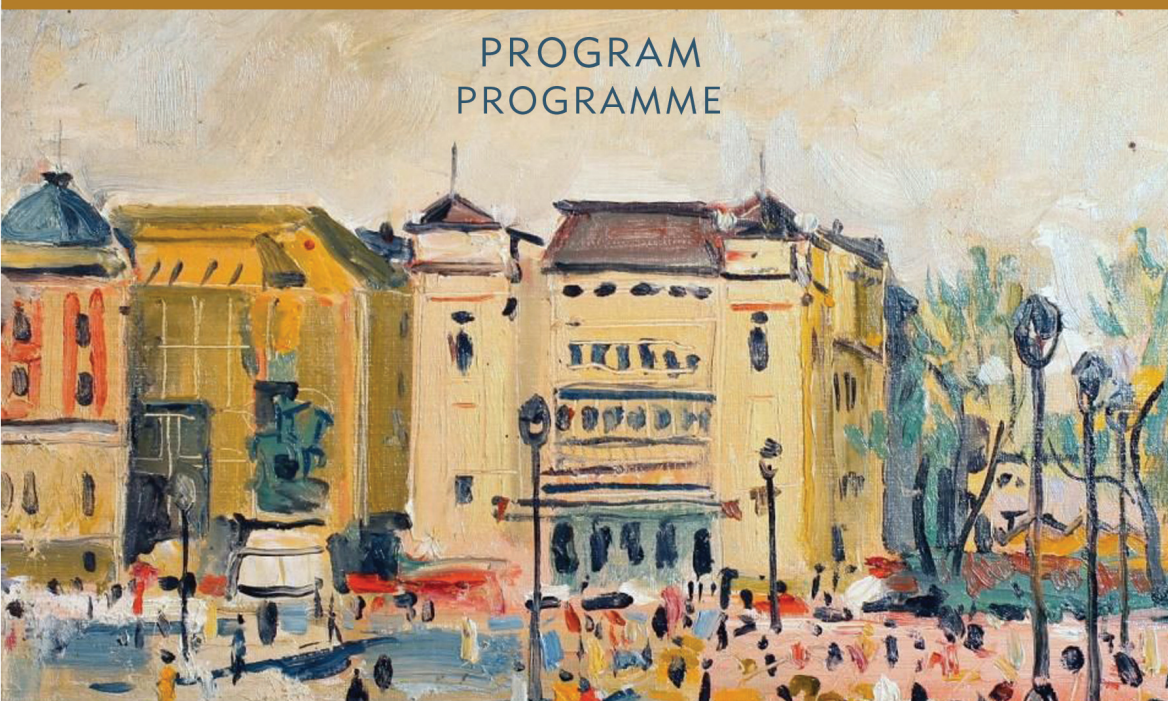
**SERBIAN CONGRESS**  
OF MEDICAL BIOCHEMISTRY  
AND LABORATORY MEDICINE  
with international participation

&

# 16<sup>th</sup> BELGRADE SYMPOSIUM FOR BALKAN REGION

Organizovani pod pokroviteljstvom IFCC i EFLM  
Organized under IFCC and EFLM auspices

PROGRAM  
PROGRAMME



Hyatt Regency Beograd, Belgrade, Serbia

September 12–14, 2022

[www.dmbj.org.rs](http://www.dmbj.org.rs)

## **Organizatori Kongresa**

**DRUŠTVO MEDICINSKIH  
BIOHEMIČARA SRBIJE  
SOCIETY OF MEDICAL  
BIOCHEMISTRY OF SERBIA**



**FARMACEUTSKI FAKULTET  
UNIVERZITETA U BEOGRADU  
PHARMACEUTICAL FACULTY  
BELGRADE UNIVERSITY**

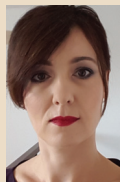


**ADRESA ORGANIZACIONOG ODBORA**

**DRUŠTVO MEDICINSKIH BIOHEMIČARA SRBIJE**

Vojislava Ilića 94B/7, 11050 Beograd

Tel. 011/3475183



Poštovane kolege,

U Beogradu se od 12–14. septembra 2022. godine održava XXII Srpski kongres medicinske biohemije i laboratorijske medicine sa međunarodnim učešćem, u organizaciji Društva medicinskih biohemičara Srbije i Farmaceutskog fakulteta u Beogradu. Tradicionalno u toku Kongresa biće održan i 16<sup>th</sup> Belgrade Symposium for Balkan Region. Kongres se održava pod pokroviteljstvom Međunarodne federacije za kliničku hemiju i laboratorijsku medicinu – IFCC (*International Federation of Clinical Chemistry and Laboratory Medicine*), Evropske federacije za kliničku hemiju i laboratorijsku medicinu – EFLM (*European Federation of Clinical Chemistry and Laboratory Medicine*) i Balkanske kliničko laboratorijske federacije – BCLF (*Balkan Clinical Laboratory Federation*), kao i Ministarstva prosvete i nauke i tehnološkog razvoja i Ministarstva zdravlja Republike Srbije.

XXII kongres medicinske biohemije i laboratorijske medicine posvećen je inovacijama i trendovima koji će oblikovati budućnost laboratorijske dijagnostike. Fokus predavanja je na novom konceptu upravljanja kvalitetom u medicinskim laboratorijama, organizaciji eksterne kontrole kvaliteta u laboratorijama, upravljanjem preanalitičkim i analitičkim greškama. Posebna pažnja biće posvećena dijagnostici i lečenju korišćenjem nove generacije laboratorijskih metoda u personalizovanoj medicini, savremenim trendovima u laboratorijskoj medicini, kao i u proceni rizika kod metaboličkih i endokrinih poremećaja. Kongres će se baviti i drugim aspektima našeg profesionalnog angažovanja, kao što je akreditacija u medicinskim laboratorijama i procena rizika u oblasti bezbednosti hrane.

Zadovoljstvo nam je što će se na XXII kongresu medicinske biohemije i laboratorijske medicine i 16<sup>th</sup> Belgrade Symposium for Balkan region predstaviti istaknuti naučnici i laboratorijski profesionalci iz susednih zemalja. Takođe, na sekciji »Forum mladih istraživača«, studentima doktorskih studija, mladim istraživačima i stručnjacima iz laboratorija biće omogućena razmena iskustva i ideja kao i uspostavljanje baze za buduću saradnju.

Organizacija Kongresa rezultat je angažovanja i zalaganja svih članova Naučnog i Organizacionog odbora. Nadamo se da će ponuđeni program ispuniti vaša očekivanja, da ćete uzeti aktivno učešće u diskusiji, i da ćete kroz razmenu iskustava obogatiti svoja znanja, što bi bilo od nesumnjive koristi za našu svakodnevnu laboratorijsku praksu.

Takođe, iskreno se nadamo da će Beograd, drevni grad na dve reke biti dobar i interesantan domaćin.

Iznad svega, želimo vam uspešan rad i prijatan boravak.

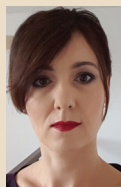
U Beogradu, 25. februar 2022. godine

PREDSEDNIK

Naučnog odbora Kongresa  
Prof. dr Vesna Spasojević-Kalimanovska

PREDSEDNIK

Organizacionog odbora Kongresa  
Dr Iva Perović-Blagojević



*Dear colleagues,*

From September 12–14<sup>th</sup> 2022, Belgrade will host the 22<sup>nd</sup> Serbian Congress of Medical Biochemistry and Laboratory Medicine with international participation, and 16<sup>th</sup> Belgrade Symposium for Balkan region organized by the Society of Medical Biochemists of Serbia and Faculty of Pharmacy, University of Belgrade. The Congress will be held under the auspices of the *International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)*, *European Federation of Clinical Chemistry and Laboratory Medicine (EFCC)* and *Balkan Clinical Laboratory Federation (BCLF)*, as well as the Ministry of Education, Science and Technological development and Ministry of Health of the Republic of Serbia.

The focus of 22<sup>nd</sup> Congress of Medical Biochemistry and Laboratory Medicine and 16<sup>th</sup> Belgrade Symposium for Balkan region will be the innovations and trends that are shaping the future of laboratory medicine. Lectures will be dedicated to the new concept in quality management in medical laboratories, organization of external quality control in laboratory and pre-analytical and analytical errors management. Special attention will be given to diagnostics and treatment by utilizing new generation of laboratory methods and innovations in personalized medicine, novel trends in laboratory medicine and the risk assessment of metabolic and endocrine disorders. Congress will also consider other aspects of our professional engagement, such as accreditation in medical laboratories and risk assessment in food safety.

The Society of Medical Biochemists of Serbia also has the pleasure to welcome you to the **16<sup>th</sup> Belgrade Symposium for Balkan Region** being held under the title **»Laboratory Medicine Management: Leadership Skills for Effective Laboratory«**.

We are very pleased to announce prominent scientists and laboratory professionals from neighbouring countries. We also invite you to participate in our Section for PhD students and young researchers **»Forum of Young Researchers«**. This section aspires to be an ideal place for young researchers, laboratory professionals and students to interact and share ideas.

22<sup>nd</sup> Congress of Medical Biochemistry and Laboratory Medicine will be a unique opportunity to liaise with your professional colleagues from neighbouring countries, learn and share your knowledge and discuss the latest research outcomes and technological advancements as well as new ideas in medical laboratory practice.

Organization of the Congress is the result of engagement and effort by all members of the Scientific and Organizing Boards. It is our hope that the programme we are offering will meet your expectations, that you will take active part in the discussion and that through such an exchange of experiences you will enrich your knowledge, which would doubtlessly be useful to our everyday laboratory practice.

Also, we sincerely hope you will find Belgrade, the ancient city upon two rivers, a kind and interesting host.

Above all, we wish you success in your work and a pleasant stay.

Belgrade, February 25, 2022

CHAIRMAN  
of the Scientific Boards of the Congress  
Prof. dr Spasojević-Kalimanovska

CHAIRMAN  
of the Organizing Board of the Congress  
Dr. Iva Perović-Bлагоjević

**POKROVITELJI KONGRESA  
PATRONS OF THE CONGRESS**

**XXII SRPSKI KONGRES MEDICINSKE BIOHEMIJE  
I LABORATORIJSKE MEDICINE  
sa međunarodnim učešćem  
XXII SERBIAN CONGRESS OF MEDICAL BIOCHEMISTRY  
AND LABORATORY MEDICINE  
with international participations  
&  
16<sup>th</sup> BELGRADE SYMPOSIUM FOR BALKAN REGION**

**održavaju se pod pokroviteljstvom/  
are held under the auspices of**

*Međunarodne federacije za kliničku hemiju  
i laboratorijsku medicinu – IFCC  
International Federation of Clinical Chemistry  
and Laboratory Medicine*



*Evropske federacije za kliničku hemiju  
i laboratorijsku medicinu – EFLM  
European Federation of Clinical Chemistry  
and Laboratory Medicine*



**BALKAN CLINICAL LABORATORY FEDERATION**



Ministarstva prosvete, nauke  
i tehnološkog razvoja Republike Srbije  
Ministry of Education, Science and Technological Development  
of the Republic of Serbia

Ministarstva zdravlja Republike Srbije  
Ministry of Health of the Republic of Serbia

## NAUČNI ODBOR SCIENTIFIC BOARD

*Predsednik/President*

Prof. dr Vesna Spasojević-Kalimanovska

*Članovi/Members*

Prof. dr Nada Majkić-Singh	Ass dr Snežana Jovičić
Doc. dr Zorica Šumarac	Prof. dr Aleksandra Zeljković
Prof. dr Svetlana Ignjatović	Prof. dr Jelena Vekić
Prof. dr Nataša Bogavac-Stanojević	Prof. dr Aleksandra Stefanović
Prof. dr Jelena Kotur Stevuljević	Vanredni prof. Miron Sopić

## ORGANIZACIONI ODBOR ORGANIZING COMMITTEE

*Predsednik/President*

Dr Iva Perović-Blagojević

*Sekretar/Secretary*

Miljan Savković

*Članovi/Members*

Nada Majkić-Singh	Marijana Dajak
Zorica Šumarac	Jasmina Ivanišević
Snežana Jovičić	Tamara Gojković
Velibor Canić	Milica Miljković
Vera Lukić	Nina Ivanović

## TEHNIČKI ORGANIZACIONI ODBOR ORGANIZATIONAL TECHNICAL COMMITTEE

*Predsednik/President*

Snežana Jovičić

Iva Perović-Blagojević	Milica Miljković-Trailović
Neda Milinković	Tamara Gojković
Bojana Lugić	Sanja Vujčić
Marija Mihajlović	Tamara Antičić
Sanja Erceg	Miljan Savković
Jelena Munjas	Nina Ivanović
Sandra Vladimirov	Teodora Tumbas

..... PROGRAM .....

**XXII SRPSKI KONGRES  
MEDICINSKE BIOHEMIJE  
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**16<sup>th</sup> BELGRADE SYMPOSIUM  
FOR BALKAN REGION**

»Laboratory Medicine Management:  
Leadership Skills for Effective Laboratory«



BEOGRAD, Hyatt Regency Beograd

PONEDELJAK, 12. SEPTEMBAR 2022. godine  
MONDAY, SEPTEMBER 12, 2022

- 11:00 – 14:30**      ***Svečano otvaranje XXII  
Srpskog kongresa DMB Srbije i  
16<sup>th</sup> Belgrade Symposium for  
Balkan Region***
- Opening ceremony*
- Predsedništvo/Presidency:  
*Vesna Spasojević-Kalimanovska,  
Iva Perović-Blagojević, Nada Majkić-Singh,  
Zorica Šumarac*
- 11:00 – 11:30**      ***Pozdravi gostiju/Greet the guests***
- Professor Mario Plebani,**  
EFLM President-Elect  
Welcome address,  
on behalf of EFLM President
- Profesor dr Slađana Šobajić,**  
Dekan Farmaceutskog fakulteta  
Univerziteta u Beogradu  
Deen of the Faculty of Pharmacy, University  
of Belgrade, Belgrade
- Profesor dr Branislava Miljković,**  
Predsednik Saveza farmaceutskih udruženja  
Srbije  
President of the Association of  
Pharmaceutical Associations of Serbia
- 11:30 – 12:00**      ***Plenarno predavanje/Opening lecture***  
Mario Plebani (Padova, Italy)  
Laboratory medicine in the era of COVID-19:  
lessons for the future
- 12:00 – 12:20**      Dunja Rogić (Zagreb, Croatia)  
Upravljanje laboratorijem kroz novo normalno  
Laboratory management in the new normal
- 12:20 – 13:00**      ***Dodela nagrade iz Fonda Milica Marković  
Award ceremony from the Milica  
Markovic Fund***
- 13:00 – 14:30**      ***Koktel/Cocktail***



PONEDELJAK, 12. SEPTEMBAR 2022. godine  
MONDAY, SEPTEMBER 12, 2022

**16<sup>th</sup> Belgrade Symposium for Balkan Region  
Laboratory Medicine Management:  
Leadership Skills for Effective Laboratory**  
Under IFCC and EFLM Auspices



**PROGRAM**

**Session 1: PROFESSIONAL CHALLENGES IN THE ERA OF  
INNOVATIONAL TECHNOLOGIES**

**Sekcija 1: PROFESIONALNI IZAZOVI U ERI INOVATIVNIH  
TEHNOLOGIJA**

**14:30 – 16:00 Lectures/Predavanja**

Chairs: *Snežana Jovičić, Nada Majkić-Singh*

**Meeting the leadership challenge of disruptive innovation**

Gilbert Wieringa, Manchester, United Kingdom

**Added value by interpretative commenting**

Wytze Oosterhuis, Heerlen/Sittord, The Netherlands

**Smartphone applications using laboratory medicine data – reliability and benchmarking**

Snežana Jovičić, Belgrade, Serbia

***Discussion/Diskusija***

**16:00 – 16:30 Coffee break/Kafe pauza**

**Sekcija 2: CHALLENGES IN LABORATORY MEDICINE  
MANAGEMENT OF EFFECTIVE  
LABORATORIES**

**Session 2: IZAZOVI U MENADŽMENTU EFIKASNIH  
MEDICINSKO BIOHEMIJSKIH LABORATORIJA**

**16:30 – 18:30 Lectures/Predavanja**

Chairs: *Nataša Bogavac-Stanojević, Dunja Rogić*

**The professional development of laboratory medicine professionals in/through EFLM countries: What tools and opportunities do we have?**

Evgenija Homšak, Maribor, Slovenia

**Accreditation of laboratories**

Dunja Rogić, Zagreb, Croatia

**Importance of laboratory guidelines for medical laboratory practical work**

Nataša Bogavac-Stanojević, Belgrade, Serbia

**Managing things and leading people**

Katerina Tošeska-Trajkoska, Skopje, North Macedonia

***Discussion/Diskusija***

**Sekcija 3: KORIŠĆENJE REZULTATA PACIJENATA U  
MEDICINSKIM LABORATORIJAMA**

**Session 3: THE USE OF PATIENT RESULTS IN MEDICAL  
LABORATORIES**

**9:30 – 11:00** *Predavanja/Lectures*

Voditelji/Coordinators

*Svetlana Ignjatović, Vera Lukić*

**Primena tehnika kontrole kvaliteta rada u realnom vremenu  
koje koriste rezultate pacijenata u medicinskim laboratorijama**

Implementation of patient-based real time quality control  
techniques in medical laboratories

Svetlana Ignjatović (Beograd)

**Da li se *moving average* procedure mogu koristiti kao  
kontinuirana kontrola kvaliteta rada u medicinskim  
laboratorijama?**

Can moving average procedures be used as a continuous quality  
control in medical laboratories?

Vera Lukić (Beograd)

**Korišćenje rezultata pacijenata za izračunavanje referentnih  
vrednosti**

The use of patient results for calculation of reference intervals

Neda Milinković (Beograd)

***Diskusija/Discussion***

**11:00 – 11:30** **Worshop firme: MAKLER**

## **Sekcija 4: UNAPREĐENJE ZDRAVLJA DECE KROZ LABORATORIJSKU MEDICINU**

### **Session 4: IMPROVING CHILDREN'S HEALTH THROUGH LABORATORY MEDICINE**

#### **11:30 – 13:30 Predavanja/Lectures**

Voditelji/Coordinators

*Jelena Vekić, Rade Vuković*

#### **Novi biomarkeri akutnog oštećenja bubrega**

New biomarkers of acute kidney injury

Dušan Paripović (Beograd)

#### **Zakasneli pubertet – izazovi u dijagnostici**

Delayed puberty – diagnostic challenges

Rade Vuković (Beograd)

#### **Novi markeri sepse u neonatologiji**

New markers for sepsis in neonatology

Ana Đorđević-Vujičić (Beograd)

#### **Uloga laboratorije u dijagnostici i praćenju komorbiditeta tip 1 dijabetes melitusa**

The role of laboratory in diagnosis and monitoring of co-morbidities in type 1 diabetes mellitus

Dragana Bojanin (Beograd)

#### **Laboratorijska dijagnostika alergija kod dece**

Laboratory diagnosis of allergies in children

Iva Perović Blagojević (Beograd)

#### **Diskusija/Discussion**

#### **13:30 – 14:30 Ručak/Lunch**

#### **14:30 – 15:30 Promocija monografije**

**Naučni Fond »Professor Ivan Berkeš«**

**Promotion of the monograph**

**Scientific Foundation »Professor Ivan Berkeš«**

**Nada Majkić-Singh, Snežana Jovičić (Beograd)**

#### **15:30 – 16:00 Workshop firme: Vivogen: Thermo Fisher Scientific**

#### **Kafe pauza/Coffee break**

## **Sekcija 5: ULOGA BIOHEMIJSKE LABORATORIJE U OČUVANJU REPRODUKTIVNOG ZDRAVLJA ŽENA**

### **Session 5: CLINICAL LABORATORY IN FEMALE REPRODUCTIVE HEALTH MENAGEMENT**

#### **16:00 – 18:00 Predavanja/Lectures**

Voditelji/Coordinators

*Aleksandra Stefanović, Jelena Kotur-Stevuljević*

#### **Značaj biohemijskih markera u proceni rizika za razvoj komplikacija u trudnoći**

Biochemical parameters in pregnancy complications risk assessment

Daniela Ardalić (Beograd)

#### **Dijagnostička tačnost testova za procenu ovarijalne rezerve**

Tests of ovarian reserve – Diagnostic accuracy

Aleksandra Stefanović (Beograd)

#### **Uloga polnih steroida kod žena i muškaraca posle 50. godine**

The role of sexual steroids in women and men older than fifty years  
of age

Svetlana Vujović (Beograd)

#### **Metabolizam gvožđa i ishod trudnoće**

Iron metabolism and pregnancy outcome

Danica Čujić (Beograd)

#### **Diskusija/Discussion**

#### **20:00 – 23:00 SVEČANA VEČERA/GALLA DINNER**

SREDA, 14. SEPTEMBAR 2022. godine  
WEDNESDAY, SEPTEMBER 14, 2022

## **Sekcija 6: NOVI BIOMARKERI U ERI PERSONALIZOVANE MEDICINE**

### **Session 6: NOVEL BIOMARKERS IN THE ERA OF PERSONALIZED MEDICINE**

**9:30 – 11:30 *Predavanja/Lectures***

Voditelji/Coordinators

*Aleksandra Zeljković, Milena Čavić*

#### **Farmakogenetika u onkologiji – moćno oruđe precizne medicine**

Cancer pharmacogenetics – a mighty precision medicine tool  
Milena Čavić (Beograd)

#### **Biomarkeri proširenog lipidnog statusa u kolorektalnom karcinomu**

Advanced lipid status biomarkers in colorectal cancer  
Aleksandra Zeljković (Beograd)

#### **Galektini kao biomarkeri: potencijal i perspektive**

Galectins as biomarkers: potential and perspectives  
Žanka Bojić-Trbojević (Beograd)

#### **Izazovi u laboratorijskoj dijagnostici bolesti tiroidne žlezde**

Challenges in laboratory diagnostics of thyroid disorders  
Bosa Mirjanić-Azarić (Banja Luka, Republika Srpska, Bosna i  
Hercegovina)

#### ***Diskusija/Discussion***

## **Sekcija 7: FORUM MLADIH ISTRAŽIVAČA**

### **Session 7: FORUM OF YOUNG RESEARCHERS**

#### **Doktorske studije – jedinstven put do profesionalnog ostvarenja** **PhD studies – unique road to professional achievements**

##### **12:00 – 14:30 Predavanja/Lectures**

Voditelji/Coordinators

*Miron Sopić, Miljan Savković*

##### **Doktori nauka u IVD industriji – očekivanja i mogućnosti**

PhD in IVD industry – expectations and possibilities

Gordana Dmitrašinović (Beograd)

##### **Doktorske studije kao sveobuhvatna nadogradnja za uspešan razvoj karijere u in vitro dijagnostici**

PhD as a comprehensive upgrade for successful carrier development in IVD

Tijana Krnjeta Janićijević (Beograd)

##### **Genska ekspresija adiponektinskih receptora kod pacijenata sa kolorektalnim karcinomom**

Gene expression of adiponectin receptors in patients with colorectal cancer

Marija Mihajlović (Beograd)

##### **Markeri homeostaze holesterola u visokorizičnoj trudnoći**

Cholesterol homeostasis markers in high-risk pregnancy

Tamara Antonić (Beograd)

**Longitudinalne promene lipoproteinskih čestica visoke gustine i enzima paraoksonaze 1 tokom rizične trudnoće**

Longitudinal changes of high density lipoprotein particles and paraoxonase 1 enzyme during risk pregnancy

Gorica Marković (Beograd)

**Gama-glutamil transferaza kao marker ekstraćelijskih vezikula u semenoj plazmi čoveka**

Gamma-glutamyl transferase as a marker of extracellular vesicles in human seminal plasma

Tamara Janković (Beograd)

***Diskusija/Discussion***

**14:30 – 15:30 Ručak/Lunch**

**15:30–16:30 *Promocija Monografije Professional Activities of Serbian Laboratory Medicine Specialists in Balkan Region***

***in Balkan Region***

***Nada Majkić-Singh and Snežana Jovičić***

***Kafe pauza/Coffee break***





9:00 – 17:30 POSTERSKE SEKCIJE/POSTER SESSIONS

- P001    Prezentacija rezultata hromozomskih abnormalnosti trudnoće u PHO kliničkoj bolnici Bitolja za 2020. god.**  
Presentation of the results of pregnancy chromosomal abnormalities in PHO clinical hospital Bitola for 2020 year  
Biljana Ilkovska, Bisera Kotevska Trifunova (Sofia, Bulgaria)
- P002    Uticaj gojaznosti na inflamatorne i antioksidantne markere kod studenata sa povećanim kardiovaskularnim rizikom**  
The influence of obesity to inflammatory and antioxidative markers in university students with increased cardiovascular risk  
Emina Čolak, Dragana Pap, Ljubinka Nikolić, Vesna Dimitrijević Srećković (Belgrade, Serbia)
- P003    Abnormalities in laboratory parameters in patients with covid-19 – case study**  
Roberto Cvetkovski, Snezhana Volcheska, Svetlana Cekovska (Skopje, Macedonia)
- P004    Lipid profile in geriatric patients with vascular dementia and Alzheimer disease**  
Jordan Petrov (Skopje, North Macedonia)
- P005    Poređenje koncentracija kalcijuma i magnezijuma određeno u uzorcima heparinizirane pune krvi i plazme**  
Comparison of calcium and magnesium concentrations determined in heparinized whole blood and plasma samples  
Neda Milinković, Nevena Ivanović, Marija Sarić Matutinović, Ksenija Veličković, Brižita Đorđević, Branimir Radosavljević, Snežana Jovičić, Svetlana Ignjatović (Belgrade, Serbia)

- P006 Uticaj dužine dijaliziranja na parametre mineralno koštanog metabolizma kod bolesnika na hroničnoj hemodijalizi**  
Influence of dialysis length on parameters of mineral bone metabolism in patients on chronic hemodialysis  
Aleksandra Stefanović Tomić, Biljana Dapčević (Herceg-Novi, Montenegro)
- P007 Status vitamina D kod bolesnika sa COVID-19 i uticaj na težinu bolesti**  
Vitamin D status in COVID-19 patients and it's influence on disease severity  
Marina Chubrinoska, Verica Jakjimoska (Skopje, North Macedonia)
- P008 Neutralizing antibodies (NABS) after immunization with gam-covid-vac vaccine in a sample of healthcare workers**  
Melda Emin, Hristina Ampova, Elena Petrusevska-Stanojevska, Irena Kostovska, Sonja Topuzovska, Jasna Bogdanska, Katerina Tosheska-Trajkovska (Skopje)
- P009 Evaluation of anti-SARS-CoV-2 antibody responses in Macedonian healthcare workers: an interim analysis**  
Hristina Ampova, Melda Emin, Elena Petrusevska-Stanojevska, Irena Kostovska, Sonja Topuzovska, Jasna Bogdanska, Katerina Tosheska-Trajkovska (Skopje)
- P010 Vitamin D status kod predgojazne i gojazne školske djece u Podgorici**  
Vitamin D status in overweight and obese schoolchildren in Podgorica  
Marina Jakšić, Milica Martinović, Mirjana Nedović-Vuković (Podgorica, Montenegro)
- P011 Prikaz slučaja: solitarni mastocitom uspešno dijagnostikovano merenjem nivoa triptaze u serumu**  
Case report: solitary mastocytoma diagnosed successfully with measurement of serum levels of tryptase  
Ljubica Adji Andov, Lidija Petrovska (Shtip, North Macedonia)

- P012 Oksidativni stres i status vitamina D kod COVID-19 pacijenata**  
Oxidative stress and vitamin D status in COVID patients  
Jovana Pantić, Irena Premović, Olivera Mirković, Marina Roksendić Milenković, Dejan Dimić, Nemanja Dimić, Ljiljana Timotijević, Danica Čujić, Azra Guzonjić, Jelena Vekić, Nataša Bogavac-Stanojević, Jelena Kotur-Stevuljević (Belgrade)
- P013 Evaluacija titara anti-SARS-CoV-2 s1-RBD IgG antitijela kod preležanih i vakcinisanih ispitanika**  
Evaluation of anti-SARS-CoV-2 S1-RBD IgG antibody titers in recovered and vaccinated participants  
Suad Mešić, Violeta Filipče, Nada Minovska, Tatjana Baevska Vučković, Eleonora Lazarova, Gjurgjica Delenikova, Tijana Argirova, Sofija Cacanaska (Skopje, North Macedonia)
- P014 Koncentracija hepcidina kod žena sa izostalim abortusom**  
Hepcidin concentration among women with missed abortion  
Ana Čuk, Ivanka Mikulić, Ivona Cvetković, Nikolina Penava, Ante Pušić, Kristina Ljubić, Vinka Mikulić (Mostar, Bosnia and Herzegovina)
- P015 The potential of salivary proteome in laboratory analysis of Sjogren' syndrome**  
Marija Hiljadnikova-Bajro, Angela Simovska (Skopje, North Macedonia)
- P016 PCOS and insulin resistance**  
Danche Kolarovska, Marija Hristovska, Hristijan Trpchevski (Bitola, North Macedonia)
- P017 Verification of VIDAS 3® SARS-CO-V-2 IgG ii test using enzyme linked fluorescent assay (elfa) technique**  
Elena Petrushevska Stanojevska, Hristina Ampova, Melda Emin, Irena Kostovska, Sonja Topuzovska, Jasna Bogdanska, Katerina Toseska-Trajkovska

**P018 Serumski nivoi IL-1 $\beta$  i IL-1RA kod pacijenata sa Grejvsovom orbitopatijom**

Serum levels of IL-1 $\beta$  and IL-1RA in Graves' orbitopathy patients

Sarić Matutinović M, Nedeljković Beleslin B, Ćirić J, Žarković M, Ignjatović S. (Belgrade, Serbia)

**P019 Oksidativno-stresni status kod pacijenata na hemodijalizi**

Nina Mitić, Jasmina Ivanišević, Tamara Milošević,  
Azra Guzonjić, Sanja Vujčić, Jelena Kotur-Stevuljević,  
Snežana Pešić, Radomir Naumović

**16:30 – 17:30 Diskusija postera/Poster discussion**

**18:00 – 18:30 ZATVARANJE KONGRESA/  
CLOSING OF THE CONGRESS**



## NEOPHODNE INFORMACIJE

*Glavne teme kongresa:*

- Korišćenje rezultata pacijenata u medicinskim laboratorijama
- Novi biomarkeri u eri personalizovane medicine
- Uloga biohemijske laboratorije u očuvanju reproduktivnog zdravlja žena
- Unapređenje zdravlja dece kroz laboratorijsku medicinu
- Farmakogenetika u onkologiji
- Nove metode kontrole kvaliteta i određivanja referentnih vrednosti

*Okrugli stolovi*

*Izložba aparata i potrošnih materijala*

## PLENARNE SEKCIJE

Za usmena izlaganja autorima je na raspolaganju video-bim.

## POSTERSKE SEKCIJE

Posterske sekcije održaće se u: SREDU, 14. SEPTEMBRA 2022. godine od 9:00 – 17:30 h.

Za izlaganje postera obezbeđeni su panoi veličine 90 x 120 cm, kao i materijal za postavljanje istih.

Autori su dužni da budu prisutni pored svojih postera od 16:30 do 17:30 h radi diskusije.

## PRIJAVA UČESTVOVANJA NA IZLOŽBI

Izložba aparata, opreme i reagenasa održaće se u:

PONEDELJAK, UTORAK i SREDU

12. 13. i 14. SEPTEMBRA 2022. godine u vremenu od 9:00–19:00 h

## OPŠTE INFORMACIJE

### MESTO ODRŽAVANJA

XXII Kongres medicinskih biohemičara Srbije održaće se od **12–14. septembra 2022. godine** u Beogradu u hotelu Hyatt Regency Beograd.

### UPLATA KOTIZACIJE

*Svi učesnici kongresa plaćaju kotizaciju.*

Kotizacija za učestvovanje na kongresu za domaće učesnike iznosi **20.000,00 dinara (uključen PDV)** odnosno **150 evra za strane učesnike**, ako se uplati do **30. juna 2022. godine**. Ova kotizacija uključuje i prisustvovanje 16<sup>th</sup> Belgrade Symposium for Balkan Region.

Učesnici koji žele da prisustvuju svečanoj večeri plaćaju **25.000,00 dinara (ili 200 eura) (u iznos je uključen PDV)**.

**Učesnici kongresa koji su članovi Društva medicinskih biohemičara Srbije u 2022. godini plaćaju kotizaciju 15.000,00, a ako žele večeru 20.000,00 dinara.**

Kotizacije se uplaćuju bez predhodno dostavljene profakture na tekući ili devizni račun Društva:

#### **Tekući račun Društva:**

**Društvo medicinskih biohemičara Srbije:  
160-375792-34, Banca Intesa, Beograd**

#### **Devizni račun Društva:**

**INSTRUCTION FOR CUSTOMER TRANSFERS IN EUR  
53, 54 or 56: Correspondent bank  
BCITITMM  
INTESA SANPAOLO SPA  
MILANO  
ITALY**

**57: Account With Institution:  
DBDBRSBG  
BANCA INTESA AD BEOGRAD  
MILENTIJA POPOVICA 7B  
11070 NOVI BEOGRAD  
REPUBLIC OF SERBIA**

**59: Beneficiary Customer:  
RS35160005400000238329  
EUR DMBS  
VOJISLAVA ILICA 94 B / 7  
BEOGRAD-VOZDOVAC, REPUBLIC OF SERBIA**

***Important: Bank transfer fee is not included. It should be paid by the participant.***

Izvršiocu uplate biće dostavljena faktura na ime koje se dostavi Sekretarijatu DMBS.

*Kotizacija uključuje:* kongresni materijal; prisustvovanje sekcijama; koktel na svečanom otvaranju; ručak 13. i 14. septembar (švedski sto), kafe pauze.

## **ODVIJANJE RADA KONGRESA**

Registracija učesnika Kongresa odvijaće se od ponedeljka 12. septembra 2022. godine od 9.00 časova do srede 14. septembra 2022. godine.

Plenarna predavanja, posterske sekcije, izložba opreme i reagenasa, održaće se 12–14. septembra 2022. godine od 9.00 do 19.00 h.

Svečana večera će se održati u utorak, 13. septembra od 20.00 do 23.00 h.

## SPONZORI KONGRESA/CONGRESS SPONSORS



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### **ORGANIZATOR**

**Društvo medicinskih biohemičara Srbije**

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