

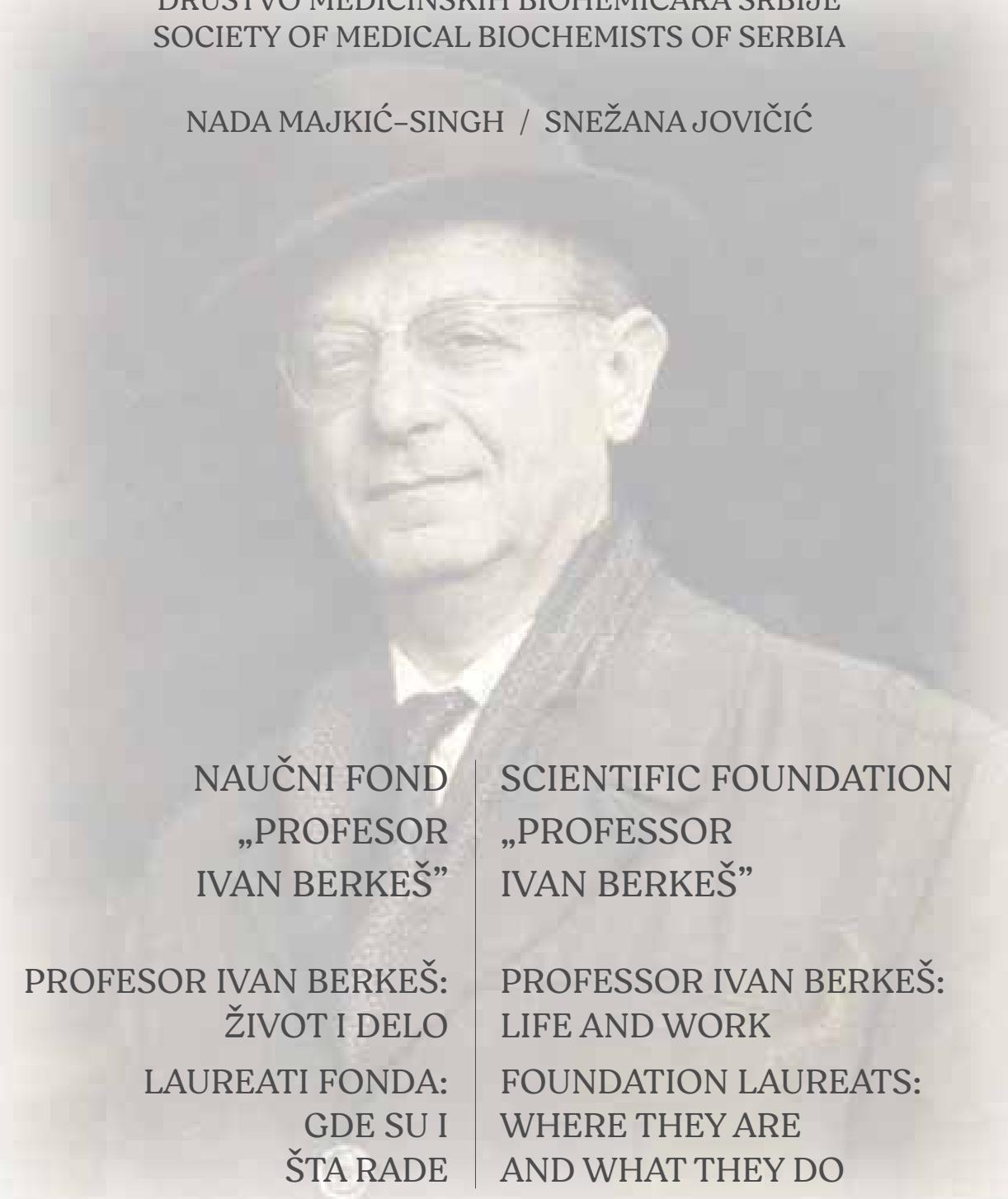
NADA MAJKIĆ-SINGH / SNEŽANA JOVIČIĆ

NAUČNI FOND
„PROFESOR IVAN BERKEŠ”

SCIENTIFIC FOUNDATION
„PROFESSOR IVAN BERKEŠ”

DRUŠTVO MEDICINSKIH BIOHEMIČARA SRBIJE
SOCIETY OF MEDICAL BIOCHEMISTS OF SERBIA

NADA MAJKIĆ-SINGH / SNEŽANA JOVIČIĆ



NAUČNI FOND
„PROFESOR
IVAN BERKEŠ”

PROFESOR IVAN BERKEŠ:
ŽIVOT I DELO
LAUREATI FONDA:
GDE SU I
ŠTA RADE

SCIENTIFIC FOUNDATION
„PROFESSOR
IVAN BERKEŠ”

PROFESSOR IVAN BERKEŠ:
LIFE AND WORK
FOUNDATION LAUREATS:
WHERE THEY ARE
AND WHAT THEY DO

Beograd, 2021/Belgrade, 2021

AUTORI

AUTHORS



Nada Majkić-Singh

Prof. Dr. Nada T. Majkić-Singh was born in Yugoslavia (Majkić Japra, Bosnia and Herzegovina) in 1947, graduated from the Faculty of Pharmacy of the University of Belgrade in 1969, gaining the MS degree in Medical Biochemistry in 1972, and Ph.D. degree in 1974. She began her professional career at the Faculty of Pharmacy as Associate in Medical Biochemistry, keeping the post from 1971 till 1978, while during the period 1978-84 she was an Associate Professor. Since 1984 she has been Professor in Medical Biochemistry, Clinical Chemistry and Clinical Enzymology, and from 1984



Snežana Jovičić

Dr. Snežana Jovičić, specialist in medical biochemistry, EuSpLM, was born in Belgrade in 1976. She graduated at the Faculty of Pharmacy, University of Belgrade in 2002, where she also completed her specialist studies in medical biochemistry in 2011, and her Ph.D. in 2013. Immediately after graduation, she started her internship at the Institute of Medical Biochemistry, Clinical Centre of Serbia, where she works still, from 2012 at the position of the Head of the Department at the Clinic for Cardiac Surgery. From 2008 she is engaged as the part time Teaching Assistant at the

till 1995 she was the Director of the Department of the Medical Biochemistry at the Faculty of Pharmacy. She was a Director of the Institute of Medical Biochemistry at the Clinical Centre of Serbia since 1986 to 2012. In the period of 1997 to 2001 she was the first President of Pharmaceutical Chamber, and from 2006 to 2014 she was President of the Chamber of Biochemists of Serbia. Now she is Executive Director of the Society of Medical Biochemists of Serbia. Professor Majkić-Singh is the author of four hundred and fifty scientific papers and twenty books. She is a member of many Associations for Clinical Biochemistry and Scientific Society of Serbia. Since 1988, she has been President of the Society of Medical Biochemists of Yugoslavia (now Society of Medical Biochemists of Serbia) and Editor in Chief of the Society Journal Yugoslav Medical Biochemistry (now Journal of Medical Biochemistry). During her long and dedicated career, Professor Majkić-Singh has been awarded by the Union of the Pharmaceutical Societies of Yugoslavia (1988), the Society of Medical Biochemists of Yugoslavia and Serbia (1995, 2015), United Association of Serbia for Quality (2010) and Greek Society for activities in Balkan Region (2017).

Department for Medical Biochemistry of the Faculty of Pharmacy, University of Belgrade. Dr. Snežana Jovičić is an active member of the Society of Medical Biochemists of Serbia, where she acts as the member of the Executive Board. From 2011 she was the Managing Editor, and from 2020 she is the Co-editor of the *Journal of Medical Biochemistry*, the official journal of the Society of Medical Biochemists of Serbia. Dr. Snežana Jovičić is the Chair of the EFLM *Patient Focused Laboratory Medicine Working Group*, and the Corresponding Member of the Working Group *Register*. She is also the Liaison member from the Society of Medical Biochemists of Serbia in the IFCC *eNewsletter Working Group*.

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„Tko čini dobro,
od njega se još više dobra očekuje“

Ivo Andrić

PREDGOVOR

Profesor Ivan BERKEŠ, značajna ličnost u oblasti farmacije i medicine, utemeljivač je medicinske biohemije i kliničke enzimologije u zdravstvu Srbije i Jugoslavije. Dugogodišnjom naučnom i stručnom aktivnošću Prof. dr Ivan Berkeš je doprineo da se u srpskoj medicini i farmaciji utemelji medicinska biohemija kao savremena dijagnostička grana, pri čemu je Profesor Ivan Berkeš svojim studentima, specijalizantima i poslediplomcima uvek nesebično prenosio svoja ogromna znanja.

Pod njegovim rukovodstvom na Farmaceutskom fakultetu u Beogradu školovale su se generacije medicinskih biohemičara tako da u dugom periodu u Srbiji nije bilo ni jedne laboratorije, a da u njoj nije radio đak Profesora Berkeša. Profesor Berkeš osnovao je medicinsku biohemiju i utemeljio je kao naučnu i zdravstvenu disciplinu u Srbiji. Njegovo delo ostaće trajno da živi kroz ove i buduće generacije medicinskih biohemičara, koji su mu na tome neizmerno zahvalni i sećaće ga se sa izrazima poštovanja i ljubavi. Nama, njegovim đacima i sledbenicima, Profesor Berkeš je istovremeno bio profesor, Učitelj, otac i prijatelj. Učio nas je tajnama i

veštinama medicinske biohemije, ali i životnim istinama. Cenio je i podržavao svestrane ličnosti, hrabrost i odlučnost mladih ljudi. Nastojao je da utiče na razvoj istraživačkog duha kod svojih studenata. Voleli smo da slušamo njegova predavanja zbog ilustrativnog pristupa teškoj materiji. Svi se kao da je bilo danas sećamo njegovih duhovitih primedbi zabeleženih u tekstovima naših magistarskih i doktorskih teza i specijalističkih radova. Iste greške nismo nikad ponovili. Stalno nas je usmeravao da težimo istini ali i da dostignemo nemoguće.

Profesor Berkeš je bio svestrana ličnost, voleo je muziku, slikao je, govorio pet svetskih jezika, poznavao je istoriju, filozofiju. Bavio se dugi niz godina filatelijom. Svojim đacima bio je uzor u svakom pogledu. Potajno smo žeeli da dostignemo samo delić njegove harizme. Cenili smo ga, uvažavali i poštivali. Ovo osećanje ostaće trajno u nama.

Ceneći delo svog učitelja i eminentnog stručnjaka Prof. dr Ivana Berkeša, Društvo medicinskih biohemičara Jugoslavije (danас Društvo medicinskih biohemičara Srbije) i Farmaceutski fakultet Univerziteta iz Beo-

grada, formirali su 1997. godine **Naučni fond „Profesor Ivan Berkeš”** i ustanovili **„Godišnju naučnu konferenciju”** koju posvećuju životu i delu Profesora Ivana Berkeša. Naučni fond je formiran na predlog Prof. dr Nade Majkić-Singh, koja je i dugogodišnji organizator Godišnjih naučnih konferencija. Počevši od 1998. godine na Naučnim konferencijama prikazuju se magistarske i doktorske teze iz naučne oblasti medicinske biohemije i iz srodnih disciplina u toku protekle godine.

Svrha **Naučnog fonda** je dodela novčane nagrade i diplome najboljim studentima

Farmaceutskog fakulteta, oba profila studija (diplomirani farmaceut-medicinski biohemičar i diplomirani farmaceut; sada: magistar farmacije-medicinski biohemičar i magistar farmacije), koji su najkraće studirali i diplomirali sa najvišom prosečnom ocenom u prethodnoj školskoj godini. Do sada su održane 22 Naučne godišnje konferencije na kojima je 48 laureata primilo Diplome i novčane nagrade Fonda, čije biografije su prikazane u ovoj monografiji. Društvo medicinskih biohemičara koristi priliku da im još jednom čestita na postignutim uspesima u oblasti medicinske biohemije i farmacije.

U Beogradu, 19. 10. 2020. godine

Prof. dr Nada Majkić-Singh

FOREWORD

Professor Ivan BERKEŠ, a significant figure in the field of pharmacy and medicine, is the founder of medical biochemistry and clinical enzymology in the health care system of Serbia and Yugoslavia. Through many years of scientific and professional activity, Professor Dr. Ivan Berkeš contributed to establishing medical biochemistry in Serbian medicine and pharmacy as a modern diagnostic branch, selflessly passing on his vast knowledge to his students, residents, and postgraduates.

Under his leadership, generations of medical biochemists were educated at the Faculty of Pharmacy in Belgrade. For a long time, there was no single laboratory in Serbia without a student of Professor Berkeš working in it. Professor Berkeš founded medical biochemistry and established it as a scientific and health discipline in Serbia. His work will remain permanently alive through these and future generations of medical biochemists, who are immensely grateful to him for that and will remember him with respect and love. For us, his students and followers, Professor Berkeš was a professor, a teacher, a father, and a friend at the same time. He taught us the secrets and skills of medical biochemistry, but also the truths of life. He appreciated and supported versatile individuals, courage, and determination of

young people. He tried to influence the development of the research spirit in his students. We loved listening to his lectures because of the illustrative approach to challenging matter. We all remember his witty remarks recorded in the texts of our masters and doctoral theses as well as specialist papers. We never made the same mistakes again. He always supported us to strive for the truth, but also to reach out for the impossible.

Professor Berkeš was a versatile individual; he loved music, painted, spoke five world languages, and to be acquainted with history and philosophy. He practiced philately for many years. He was a role model to his students in every way. We secretly wanted to be at least partially as charismatic as he was. We appreciated, respected, and honored him. This feeling shall remain permanently in us.

Appreciating the work of their teacher and a renowned expert Professor Dr. Ivan Berkeš, the Society of Medical Biochemists of Yugoslavia (now the Society of Medical Biochemists of Serbia) and the Faculty of Pharmacy, University of Belgrade, created the **Scientific Foundation „Professor Ivan Berkeš“** in 1997 and established the **„Annual Scientific Conference“** dedicated to the life and work of Professor Ivan Berkeš. The

Scientific Foundation was established on the proposal of the Professor Dr. Nada Majkić-Singh, also a long-term organizer of the Annual Scientific Conferences. Beginning in 1998, Scientific Conferences have been presenting masters and doctoral theses of members of the Society and related disciplines during the previous year.

The purpose of the **Scientific Foundation** is to award monetary awards and diplomas to the best graduates of the Faculty of Pharmacy in the previous year, of both study profiles (graduate pharmacist-medical bio-

chemist and graduate pharmacist; now: master of pharmacy-medical biochemist and master of pharmacy), who were the quickest to graduate and with the highest average grade. So far, twenty-two Scientific Annual Conferences have been held, with forty-eight laureates of the Fund who were awarded diplomas and monetary awards, with their biographies presented in this monograph. On this occasion, the Society of Medical Biochemists congratulates them once again on their achievements in the field of medical biochemistry and pharmacy.

Belgrade, October 19, 2020

Professor Dr. Nada Majkić-Singh

PROFESOR
IVAN BERKEŠ:
ŽIVOT I DELO

PROFESSOR
IVAN BERKEŠ:
LIFE AND WORK

PROFESOR IVAN BERKEŠ: ŽIVOT I DELO

Profesor Ivan BERKEŠ, značajna ličnost u oblasti farmacije i medicine, utemeljivač je medicinske biohemije i kliničke enzimologije u zdravstvu Srbije i Jugoslavije. Pod njegovim rukovodstvom na Farmaceutskom fakultetu u Beogradu školovale su se generacije medicinskih biohemičara tako da u dugom periodu u Srbiji nije bilo ni jedne laboratorije, a da u njoj nije radio đak Profesora Berkeša. Profesor Berkeš osnovao je medicinsku biohemiju i utemeljio je kao naučnu i zdravstvenu disciplinu u Srbiji. Njegovo delo ostaće trajno da živi kroz ove i buduće generacije medicinskih biohemičara, koji su mu na tome neizmerno zahvalni i sećaće ga se sa izrazima poštovanja i ljubavi.

Prof. dr Ivan BERKEŠ rođen je 13. XI 1910. godine u Bjelovaru gde je završio klasičnu gimnaziju (latinski i nemački 8 godina, 6 godina grčki). Na Farmaceutskom odseku Filozofskog fakulteta u Zagrebu diplomirao je 1933. godine. Treba pomenuti da je Ivan Berkeš završio praksu u apoteci kod Stanislava Ilakovca u Zagrebu, a u toku studija slušao je sledeće predmete: fiziku kod Prof. Hondla, botaniku kod Prof. Vouka, hemiju kod Prof. Bubanovića, farmakognosiju kod Prof. Vrgoča, farmaceutsku hemiju kod Prof. Flumiania i farmaceutsku tehnologiju kod Prof. Benzingera. 1936. godine Ivan Berkeš diplomirao je i 7. grupu hemije (a. hemija, b. eksperimentalna fizika, c. fizička hemija, viša matematika, mineralogija i botanika) na Filozofskom fakultetu u Zagrebu.

1937. godine odslužio je vojni rok u Nišu, Prizrenu i Zagrebu.

PROFESSOR IVAN BERKEŠ: LIFE AND WORK

Professor Ivan BERKEŠ, an important figure in the field of pharmacy and medicine, was the founder of medical biochemistry and clinic enzymology in the health care of Serbia and Yugoslavia. Under his guidance, many generations of medical biochemists were educated at the Faculty of Pharmacy in Belgrade, and for a long time there was no laboratory in Serbia that did not employ one of Professor Berkeš's students. Professor Berkeš founded Serbian medical biochemistry and established it as a scientific and health discipline. His work will live on through these and the future generations of medical biochemists, who remain eternally grateful and promise to honor his memory with love and respect.

Prof. Dr. Ivan BERKEŠ was born on November 13th, 1910, in Bjelovar, where he was educated at the Classical Gymnasium (studying Latin and German for 8, and Greek for 6 years). In 1933 he graduated from the Department of Pharmacy of the Faculty of Philosophy in Zagreb. It should be mentioned that he completed his internship at the Pharmacy of Stanislav Ilakovac in Zagreb, having taken the following classes during the course of his studies: Physics with Prof. Hndl, Botany with Prof. Vouk, Chemistry with Prof. Bubanović, Pharmacognosia with Prof. Vrgoč, Pharmaceutical Chemistry with Prof. Flumiani and Pharmaceutical Technology with Prof. Benzinger. In 1936 Ivan Berkeš also graduated from the 7th group of Chemistry (a. Chemistry, b. Experimental Physics, c. Physical Chemistry, Higher Mathematics, Mineralogy and Botany) at the Faculty of Philosophy in Zagreb.

During 1937, he completed his military service in Niš, Prizren and Zagreb.

Doktorat filozofije (struka hemija) stekao je 1939. godine na Univerzitetu u Zagrebu. Iste godine izabran je za asistenta Hemijskog zavoda Medicinskog fakulteta, čiji je upravitelj bio Profesor F. Bubanović.

Dve godine nakon sticanja doktorata, 1941. godine, na prostoru tadašnje Kraljevine Jugoslavije počeo je Drugi svetski rat. Dr Ivan Berkeš tada biva otpušten iz službe u Hemijskom institutu, nakon čega je jedno vreme živeo u Crkvenici. Naredne 1942. godine interniran je u koncentracioni logor u Kraljevici gde je, u lošim uslovima i sa slabom ishranom proveo naredne mesece. Pod teškim životnim uslovima, u logoru je iz dana u dan rastao broj obolelih i, iako su u tu svrhu u bolnici u ovom logoru radila tri lekara, obolelima se nije posvećivala velika pažnja. Ipak, zatvorenici su tada organizovali svoju apoteku snabdevenu sanitetskim materijalom i lekovima koje su uspevali da nabave od italijanskih vojnika i uz pomoć veza sa apotekarima u Rijeci. Jedan od tri apotekara koji su radili u toj apoteci bio je i dr Ivan Berkeš i time je, svojim znanjem iz farmacije, pomagao obolelima u ovom logoru. Dodatno, u logoru su kulturni i prosvetni radnici nastojali da organizuju škole i kulturni život, pa je tako i ovde dr Ivan Berkeš dao svoj doprinos – formirao je marionetsko pozorište za decu. Sredinom 1943. godine italijanska komanda je odlučila da se zatvorenici u Kraljevici prebače na Rab, pa je dr Ivan Berkeš tada prebačen u logor na Rabu, što se kasnije pokazalo kao spasenosno imajući u vidu da su prebacivanjem na Rab zatvorenici logora u Kraljevici izbegli prvi nalet nemačkih trupa i odvođenje u logore smrti. Nakon kapitulacije Italije 8.

Ivan Berkeš obtained a doctorate in philosophy (namely, chemistry) in 1939 at the University in Zagreb. That same year, he was elected as an assistant at the Chemical Institute of the Faculty of Medicine, whose head at the time was Professor F. Bubanović.

In 1941, two years after Berkeš obtained his doctorate, the Second World War began in the former Kingdom of Yugoslavia. He was then dismissed from the Chemical Institute and lived in Crkvenica for a while. The following year, 1942, he was interned in the concentration camp in Kraljevica, where he spent the following months in poor conditions and poor nutrition. With difficult living conditions, the number of patients in the camp grew day by day and, although three doctors worked in the camp hospital for that purpose, not much attention was paid to the patients. However, the prisoners organized their own pharmacy, with medical supplies and medicines they managed to procure from Italian soldiers and through their connections with pharmacists in Rijeka. One of the three pharmacists who worked in that pharmacy was Dr. Ivan Berkeš. Not only did he help the sick in the camp with his knowledge of pharmacy, but he also contributed to the organization of cultural life and schools in the camp together with other educational workers by organizing a puppet theater for children. In the middle of 1943, the Italian command decided to transfer the prisoners from Kraljevica to Rab, including Dr. Ivan Berkeš. It later proved to be life-saving, bearing in mind that the prisoners of the Kraljevica camp who were transferred to the island Rab escaped the first raid of German troops and deportation to death

septembra 1943. godine zarobljenici u logoru na Rabu su oslobođeni i dr Ivan Berkeš je tada postao aktivni učesnik NOR-a, sve do kraja rata 1945. godine.

Po završetku rata dr Ivan Berkeš naredne dve godine je bio pomoćnik upravnika, a potom i upravnik Instituta za hemijsko-farmaceutsku proizvodnju u Beogradu, sve do 1947. godine kada je u Budimpešti počeo da radi kao naučni saradnik u službi Reparacione komisije. Ipak, godine 1949. vraća se u Zagreb na Institut za hemiju Medicinskog fakulteta gde je ostao do 1953. godine.

Tamo se pod uticajem prof. Tutundžića upoznao sa potenciometrijom i amperometrijom, a potom je u narednim godinama postavio i osnove za uvođenje elektroforeze kao tehnike u rutinsku praksu u kliničkim laboratorijama. Naime, u to vreme su dva naučnika, Vunderli i Kuhraman popularisali tehniku slobodne elektroforeze po Tiseliusu, međutim, materijalni razlozi, ali i velika i glomazna aparatura onemogućavala je da se ona koristi u rutinskoj praksi kliničkih laboratorija. Tada je dr Ivan Berkeš dao nekoliko metodoloških rešenja papirne elektroforeze, a prva publikacija na ovu temu je objavljena 1950. godine u „Liječničkom vjesniku“. Zbog svega ovoga, danas Profesora Berkeša smatramo jednim od prvih istraživača u tom polju ne samo na našim prostorima, već i u svetu, a njegove publikacije su citirane u skoro svim monografijama sa ovom problematikom, kao i u nizu kliničkih radova. O samoj velikoj primenljivosti ove metodologije govori i činjenica da se aparati tog tipa još uvek nalaze u nekim beogradskim laboratorijama, a osim toga brojni publikovani

camps. After the capitulation of Italy on September 8, 1943, the prisoners in the camp on Rab were released. From 1943 to 1945 he was actively involved in the National Liberation War.

After the war, between 1945 and 1947 Dr Ivan Berkeš held various functions at the state Institute of Chemical-Pharmaceutical Production in Belgrade, serving as the assistant director and later director of this Institute. In the period of 1947–1948 he worked as a scientific advisor for the Reparation Committee in Budapest, after which he rejoined the staff of the Institute of Chemistry of the Faculty of Medicine in Zagreb, where he worked until 1953.

There, under the influence of Professor Tutundžić, he got familiar with potentiometry and amperometry, and then in the following years, he laid the foundations for the introduction of electrophoresis as a technique in the routine practice in clinical laboratories. Namely, at that time, two scientists, Vunderli and Kuhraman, popularized the technique of free-flow electrophoresis by Tiselius. However, financial reasons and large and bulky equipment made it impossible to use it in the routine practice of clinical laboratories. At that time, Dr. Ivan Berkeš provided several methodological solutions to paper electrophoresis, and the first publication on this topic was published in 1950 in „Liječnički Vjesnik.“ Because of all this, today, we consider Professor Berkeš to be one of the first researchers in this field not only in our region but also in the world. His publications have been cited in almost all monographs on this issue and a number of clinical papers. The great applicability of this methodology is

radovi govore o primeni elektroforeze kod jetrenih oboljenja, mijeloma, transudata, eksudata i imunoloških reakcija, i u studiji nefrotskog sindroma kod dece u kojoj je kao diferencijalno-dijagnostička metoda predleženo određivanje statusa elektroforezom nekoncentrovanog urina i serum-a uporedno.

On je prema tome bio jedan od prvih istraživača na tom polju u svetu, pa su njegove publikacije citirane u skoro svim monografijama koje su se bavile ovom problematikom (Block-Durrum, Antwiler, Hais-Macek, Michael Lederer, Ribeiro i sar., Mc Donald), kao i u nizu kliničkih radova.

evidenced by the fact that devices of this type can still be found in some Belgrade laboratories. Besides, numerous published papers tell of the use of electrophoresis in liver diseases, myeloma, transudates, exudates, and immune reactions, and in the study of nephrotic syndrome in children where the determination of the status by electrophoresis of both unconcentrated urine and serum was proposed as a differential diagnostic method.

Thus he became one of the first investigators in this field in the world, and his publications were cited in nearly every monograph dealing with this topic (Block-Durrum, Antwiler, Hais-



Pločica registracije aparature za elektroforezu/Official registration dr Berkeš equipment for electrophoresis.

U Zagrebu je dr Berkeš ostao do 1953. godine kada je počeo da radi na Medicinskom fakultetu u Skoplju, a već 1954. godine biva izabran za vanrednog profesora, prvog direktora novoformiranog Instituta za biohemiju i postaje prvi rukovodilac Katedre za biohemiju na Medicinskom fakultetu u Skoplju.

Smatra se da posebne zasluge pripadaju Profesoru Berkešu i zbog diferenciranja kliničke i fiziološke biohemije od bazične biohemije od čega je potom nastao model koji je primenjen u celoj tadašnjoj SFR Jugoslaviji, a bio je i autor prvih skripti za teoretsku i praktičnu nastavu.

U isto vreme, u svom naučnom radu Profesor Berkeš se posvetio ispitivanju čistoće insulina i njegovih disocijacija na protomere, a naredne publikacije su dokazivale određen i nespecifičan uticaj proteina, a naročito insulina na transport kroz membranu, odakle je potekla preokupacija Profesora Berkeša za sastav i strukturu membrane, kao i mehanizam transporta kojim se bavio više u narednim godinama.

Godine 1960. prelazi u Institut za biohemiju Farmaceutskog fakulteta u Beogradu. Uzvanje redovnog profesora medicinske biohemije izabran je 1964. godine. Na ovom fakultetu, kao dugogodišnji upravnik Zavoda za biohemiju, radio je sve do penzionisanja 1978. godine.

Dr Ivana Berkeša uveo je u naučni rad kollektiv asistenata Profesora Bubanovića, sa kojima je drugovao od svoje treće godine studija kad je postao demonstrator. Među asistentima na njega je naročito uticao

Macek, Michael Lederer, Ribeiro and Assoc., McDonald), as well as in numerous clinic papers.

Dr. Berkeš remained in Zagreb until 1953 when he began working at the Medical Faculty in Skopje, and in 1954 he was elected associate professor, the first director of the newly formed Institute of Biochemistry and became the first head of the Department of Biochemistry at the Medical Faculty in Skopje.

Professor Berkeš is credited for the differentiation of clinical and physiological biochemistry from basic biochemistry, which later became the model applied in the entire SFR Yugoslavia. He was also the author of the first textbooks for theoretical and practical teaching.

At the same time, Professor Berkeš dedicated his scientific work to examining the purity of insulin and its dissociations to protomers. Subsequent publications proved a particular and non-specific influence of proteins, particularly insulin, on membrane transport. Hence the preoccupation of Professor Berkeš for the composition and structure of membranes and the mechanism of transport, which he dealt with extensively in the following years.

In 1960 Dr. Ivan Berkeš joined the Institute of Biochemistry of the Faculty of Pharmacy in Belgrade. He was elected Senior Professor of Medical Biochemistry in 1964, and remained at this faculty, as a long-term director of the Biochemistry Institute, until his retirement in 1978.

Dr. Ivan Berkeš was introduced into the scientific work of the Faculty by Professor Bubanović's assistants, with whom he was friends since his third years of studies when he was appointed class demonstrator. Among the



Иван БЕРКЕШ,

Професор и основоположник на Институтот за биохемија при Медицинскиот факултет во Скопје

„Секој кој ќе престане да учи е
шар, без разлика дали на возраст
од 20 или 80 години. Секој кој продолжува да учи, останува млад.
Најдоброшо нешто во животот е
да ѳо задржиште умот млад“ -
Хенри Форд

Д-р Иван Беркеш е роден во Бјеловар, Хрватска, на 13.11.1910 г. Дипломирал на Фармацевтскиот факултет во Загреб во 1933 г. и потоа завршил и студии по хемија во 1936 г. во Загреб. Во 1939 г. одбранил докторска дисертација од областа на хемија во Загреб и бил избран за асистент во Институтот за хемија при Медицинскиот факултет (МФ) во Загреб. Подоцна бил именуван за директор и раководел со Институтот за хемија при МФ-Загреб до 1953 г.

Проф. И. Беркеш бил избран во званије вонреден професор по биохемија на МФ-Скопје во 1954 г. и бил назначен за прв директор на Институтот за биохемија и при раководител на Катедрата за биохемија при МФ-Скопје. Во Скопје дошол заедно со сопругата, технолог инг. Персида Беркеш-Томашевиќ, која била асистент во Институтот за медицинска хемија при Фармацевтскиот факултет во Загреб. Во тој званије била примена во Институтот за биохемија при МФ-Скопје во 1954 г., а во 1957 г. одбранила докторска дисертација на Фармацевтскиот факултет во Белград и била избрана во научен соработник во Институтот за судска медицина при МФ-Скопје. Проф. И. Беркеш раководел со Институтот и Катедрата за биохемија и ја изведува наставата по предметот биохемија до 1960 г., кога бил избран во редовен професор по биохемија на Фармацевтскиот факултет во Белград, а неговата сопруга Персида

била избрана за доцент, потоа професор по медицинска биохемија на Факултетот за ветеринарна медицина во Белград.

Проф. д-р Иван Беркеш починал во Белград на 24.3.1997 г., на возраст од 86 години, а неговата сопруга Персида починала на 2.2.2001 г. на 80 години. Погребот ѝ организирал и извршил нивниот син Игор Беркеш во Белград.

Професионален развој, стручна и наставно-едукативна дејност

По завршените студии по фармација (1933) и хемија (1936) во Загреб, одбранил докторска дисертација од областа на хемија во Филозофскиот факултет во Загреб, во 1939 г., и бил избран за асистент во Институтот за хемија кај познатиот доајен на медицинската хемија, проф. Фран Бебановик. Подоцна бил именуван за директор и раководел со Институтот за хемија при МФ-Загреб до 1953 г. За време на војната бил учесник во НОБ и бил интерниран во логор на островот Раб.

На МФ-Скопје дошол во 1954 г. кога бил избран во званије вонреден професор по биохемија и бил назначен за прв директор на новоформиранот самостоен Институт за биохемија, како и прв раководител на Катедрата за биохемија при МФ-Скопје.

Посебна заслуга на проф. И. Беркеш е диференцирањето на клиничката и физиолошката биохемија од фундаменталната биохемија што тој ја создал како модел за цела СФР Југославија.

Како наставник проф. И. Беркеш ја реорганизирал теоретската настава и вовел модерна настава по биохемија со ориентација кон базичната биохемија. Тој ги напишал првите скрипти за теоретскиот и практичен дел на наставата по биохемија за студентите од втора година на медицина.

Проф. И. Беркеш ја организирал и

изведувал наставата по предметот биохемија на МФ-Скопје до 1960 г., кога ја продолжил кариерата на Фармацевтскиот факултет во Белград како редовен професор и шеф на Катедрата по биохемија до неговото пензионирање во 1978 г. Тој бил наставник 6 години во Скопје и 18 години во Белград. За време на неговата академска активност над 200 лекари и други профили стручњаци во Македонија и Србија под негово менторство и водство, станале биохемичари кои специјализирале во различни поетесни области на биохемијата. И по заминувањето од МФ-Скопје повеќе фармацевти и други профили на кадри одбраниле докторски дисертации кај проф. И. Беркеш на Универзитетот во Белград.

Иницијатор, организатор и стручно-општествена активност

На почетокот, по основањето на Институтот за хемија и биохемија при МФ-Скопје во 1947 г., тој бил сместен во барака во кругот на Факултетот. Кога зградата на институтите на МФ-Скопје била завршена во 1948 г., Институтот за хемија и биохемија бил преместен во нови простории на првиот кат. Институтот за биохемија бил интегриран и функционирал во рамките на Институтот за хемија, а теоретската настава и по предметот биохемија ја одржувал професорот по хемија, проф. Божидар Белија. За практичната настава била задолжена асс. Дивна Ташкова и, потоа, се придржале и асс. Александра Бабамова и асс. Нада Гигова-Чумбелиќ, заедно со дипл. хемичар Анатолиј Богуславски (емигрант од Русија), шеф на Одделот за броматологија во Хигиенскиот завод (сега Институт за јавно здравје).

Во 1954 г., со изменето име, Институтот за биохемија со медицинска биохемија бил издвоен како самостоен институт при МФ-Скопје и добил свои простории во кои и денес е сместен. Во исто време била формирана и Катедрата за биохемија, а проф. И. Беркеш бил назначен за прв директор на Институтот и раководител на Катедрата за биохемија. Проф. И. Беркеш почнал многу засилено да го организира Институтот и сејреди се залагал за создавање услови и за развој на наставната и научно-истражувачката



Промоција на дипломирани лекари на МФ-Скопје, јан 1955 г. Од десно: професорите Иван Беркеш, Миленко Бериќ и Вељко Бујан

работка. Во рамки на Институтот, на приземјето од левата страна на планиниот влез во зградата, биле формирани две лаборатории за вежби со студентите на МФ-Скопје, една просторија за мерни инструменти, како и простории за наставниот и помошно-наставниот персонал. На првот ког биле формирани две биохемиски лаборатории за научно-истражувачка работа, во просторот меѓу Институтот за микробиологија и Институтот за фармакологија. Проф. И. Беркеш посебно се залага за опремување на лабораториите со апара-

тира, стакларија, хемикални и прибор, потребни за практичните вежби на студентите и за научната работа, а за што секогаш добивал материјална поддршка од раководството на МФ-Скопје. Биле набавени аналитички ваги Mettler, спектрофотометри Beckman и Unicam, апарат Wartburg за испитување на ензимите преку иниво трошење кислород во одредена хемиска реакција, центрифуги обични и на задене, pH-метри, контрадвижна апаратура за електрофореза и др., на кој начин била обезбедена опременост на европско ниво во најдобро опремениот Институт за биохемија во Југославија во тој време.

Како член на библиотечниот одбор, проф. И. Беркеш обезбедил претплатата или бесплатно добивање на повеќе научни списанија во Библиотеката на МФ-Скопје (Nature, Chem. Abstract, J Biochemical Chemistry, Biochemical J). Со цел да ги обедини високообразованите кадри, вработени во лабораториите на одделни клиники и институти, одржувал редовни состаноци со презентации за работата на Институтот и најновите достапнувања во биохемијата, како и со прикажување на резултатите на одделни лаборатории во клиниките и институтите.

Во 1959 г. бил донесен нов Статут на МФ-Скопје во кој предметите биохемија и хемија биле соединети во предметот биохемија со медицинска хемија,

а во измените на Статутот во 1964 г. предметот биохемија пак бил издвоен како засебен предмет, додека предметот медицинска хемија бил префрлен на Природно-математичкиот факултет, со ангажирање на сосема нови наставни и помошно-наставни кадри.

По заминувањето на проф. И. Беркеш во Белград, во 1960 г., Институтот за биохемија и медицинска хемија го раководел проф. Исак Таџер, до 1962 г., кога асс. Дивна Ташкова била именувана за в.д. директор на Институтот. Во 1963 г. биле избрани доцентките Дивна Ташкова-Константинова, Александра Бабамова-Виларова и Нада Гигова-Чумбелиќ. Во 1960-тите биле избрани асистентките Марија Стојанова-Брезовска, Оливера Шалинска-Марковиќ, Слободица Цекова-Стојкова и Билјана Поленаковиќ.

Научно-истражувачка и публицистичка активност

Посветеноста во научната работа на проф. И. Беркеш била под иницијално влијание од проф. Томислав Пинтер, во Институтот за хемија при МФ-Загреб, кој ги пренел првите сознанија и искуства за основните принципи и постапки на работа во аналитичката неорганска и физичка хемија, а со помош на проф. Мило Младеновиќ повеќе најлегол во препарativната органска хемија и во примената на Прегл-овата микрорадикализација за микрохемиско определување на многу елементи.

Научно-истражувачката работа во Институтот за биохемија при МФ-Скопје вклучувала испитување на серумските и ткивините протеини и липопротеини, како и усовршување на клиничко апликативни методи во областа на ензимологијата. Проф. И. Беркеш бил посебно посветен и активен во примената на електрохемијата во медицината. Тој ја создал основата за електрофорезата, која како техника стапила главен фокус на клиничката биохемија. Во соработка со асс. Бранислав Никодиевиќ од Институтот за фармакологија, кој крајот на 1950-те, вршеле експериментално испитување на инсулинот на зајаци и електрофоретски го одредувале нивото. Притоа издавале две фракции на инсулин за кои порано не се знаело. Поради финансиски про-



Асс. Переида Беркеш, шеф на Истражувачката лабораторија во Институтот за биохемија од 1954-57 г.

Доајени

блеми за користење на големи апарати во лабораторијата, д-р Беркеш вовел неколку методи на решенија за електрофореза на хартија. Подоцна, тој бил еден од најголемите истражувачи на ова поле и неговите трудови биле цитирани од сите што се занимавале со оние активности.

Покрај многуте применени на методите на електрофореза, најинтересна студија била за нефротскиот синдром кај дешата во 1950-те години. Подоцна проф. И. Беркеш развивал протеомична анализа на тиоловите модификации и процена на структурните промени во хемоглобинот и ензимско определување на хомоцистен во клеточните екстракти.

Поголемиот дел од своето време проф. И. Беркеш го поминал со методолошки истражувања во биохемијата и ензимологијата. Неговиот интерес за ензимите континуирано се зголемувал. Во текот на својот живот објавил многу книги и над 200 трудови во домашни и странски научни списанија. Посебно е значајно неговото капитално дело-книга „Општа медицинска ензимологија“ (1975), во која ги дал основите на општата и специјализирана биохемија како машине динамични дисциплини, посебно во врска со специфичноста на ензимските процеси како основа на комплексните метаболони процеси на животниот организам.

За научно-истражувачката работа во Катедрата за биохемија, покрај проф. И. Беркеш, била одговорна ас. Переизда Беркеш, како раководител на истражувачката лабораторија во Институтот за биохемија при МФ-Скопје од 1954-57 г.

Спомени, признанија и награди

Проф. И. Беркеш ќе остане трајно во колективната меморија и историјата на МФ-Скопје и на медицината во Р. Македонија како основоположник на современата биохемија и прв директор на Институтот за биохемија при МФ-Скопје. Тој е промишенец стручњак и учител во медицината и фармацијата, основач на клиничката ензимологија и медицинската биохемија во Македонија, Србија и, пошироко, во СФРЈ Југославија.

Многу лекари и други професии на кадри под менторство на проф. И. Беркеш станале врвни биохемичари, специјализирани за различни методи и

потесни области на биохемијата. Тој бил пример за сите негови ученици во секој поглед и многу генерации негови ученици се сеќаваат на својот учител како основоположник на модерната биохемија во Македонија и во поранешна Југославија.

За својата плодна и успешна дејност проф. И. Беркеш бил добитник на повеќе благодарности и признанија од МФ-Скопје и МЛД. Здружението на медицински биохемичари на Србија, покрај воспоставувањето и научен фонд „Проф. Иван Беркеш“ по неговата смрт во 1997 г., организирале, до 2018 г., 21 годишна научна конференција за медицински биохемичари, наставници и студенти на Фармацевтскиот факултет во Белград, посветени на животот и делото на доајенот на биохемијата, проф. Иван Беркеш.

Проф. д-р Дончо Донев

ЛИТЕРАТУРА

1. Богданска Ј. Катедра за биохемија и клиничка биохемија. Во: Топузовска С, Попова-Јовановска Р, Даневска Л, уредници. 70 години МФ-Скопје, 1947-2017. ФМ-Скопје, Скопје, 2017: 30-3.
2. Jovićić Snežana. Scientific Fund "Prof. Ivan Berkes". Society of Medical Biochemists of Serbia the 21st Annual Professor Ivan Berkes Scientific Conference. Available at: http://www.dmbj.org.rs/index.php?option=com_content&view=article&id=254&Itemid=617
3. Лазаревски М, Никодијевиќ Б, Велков К, Чапароски Р, Главаш Е. Развој на институциите во рамките на МФ-Скопје. Во: Лазаревски М, уредник. МФ-Скопје 1947-1987. МФ-Скопје, 1987:183-345.
4. Polenakovic M, Donev D. Contributions of the doctors from Croatia in establishing and initial development of the Faculty of Medicine in Skopje, R. Macedonia. Prilozi-Contributions, Sec. Biol. Med. Sci., MASA 2011; 32(2): 331-58. Available at: <http://manu.edu.mk/prilozi/26p.pdf>
5. Ристовски Б, Главен и одговорен уредник. Македонска енциклопедија, Дел I. МАНУ-Скопје, 2009; 837.
6. Ставриќ Хрисохо Р. Развој на биохемија во Македонија. Здружение на медицински биохемичари на Македонија, Скопје, 2010: 1-10.
7. Стојковски Г. Македонските уметници во медицината. НП „Култура“ – Скопје, Скопје, 2001: 354.
8. Тацер И. Иван Беркеш – In Memoriam. ММП, 1996; 50(5-6): 206.
9. Тофоски Ј, уредник. 60 Години Македонско лекарско друштво 1945-2005. МЛД, Скопје, 2008: 378.
10. Wikibooks. Structural Biochemistry /Ivan Berkes. Available at: https://en.wikibooks.org/wiki/Structural_Biochemistry/Ivan_Berkes



Симболот на медицинската биохемија и на Научниот фонд „Проф. Иван Беркеш“ (формиран во 1997 г.) на Фармацевтскиот факултет во Белград

ЛЕКАРСКА
КОМОРА
на Македонија

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Tomislav Pinter, koji ga je uveo u tajne analitičke i fizičke hemije. U praktičnom radu posebno mu je pomagao Miloš Mladenović, kasnije takođe Profesor na Farmaceutskom fakultetu u Beogradu, koji ga je uveo u organsku preparativnu hemiju i mikroanalizu po Preglu (1931. godine).

Po sugestiji Dr Mladenovića Ivan Berkeš radio je na izolaciji i određivanju funkcionalnih grupa politerpenskih kiselina α -elemi i β -elemonske kiseline. Tako su objavljeni prvi radovi o novim derivatima dihidro- i dibromelemonske kiseline, kao i di- i tetraozonida. Disertacija Ivana Berkeša pod naslovom „Prilog poznavanju elemi smole”, Filozofski fakultet, Zagreb 1939. godine, je rezultat eksperimenata iz te oblasti.

Sa dr Pinterom, radio je na više problema iz koloidne hemije, kao i neorganske analitike čiji rezultati nisu bili ni završeni ni publikovani zbog ratnih događanja. Posle rata štampana je studija o kompleksnim heksacijanidima.

Prelazom na hromatografiju aminokiselina iz protamina riba (B. Briski) određena je molekulska veličina tih proteina. U nastavku pokušaja da se karakterišu pojedini protamini iz smeše uz pomoć insulina (insulin-protamin) inaugurisana su razdvajanja proteina hromatografijom na hartiji. Odatle je dalje logički sledilo ispitivanje čistoće insulina i njegovih disocijacija na protomere (sa Persidom Berkeš). Pošto je doziranje insulina bilo veoma nesigurno na isečcima tkiva u Warburgovom respiratometru, učinjen je pokušaj da se biološka aktivnost meri na suspenziji izolovanih ćelija (npr.

assistants, the one who exerted a special influence on Dr. Berkeš was Tomislav Pinter, who revealed to him the secrets of analytical and physical chemistry. The help of Miloš Mladenović, later also a Professor at the Faculty of Pharmacy in Belgrade, was particularly valuable in practical work, as he brought him into preparative organic chemistry and Pregl's micro-analysis (1931).

Upon suggestion by Dr. Mladenović, Ivan Berkeš worked on isolating and determining the functional groups of polyterpene acids in α -elemi and β -elemonic acids. This led to the publication of the first papers about the new derivatives of dihydro- and dibrominelemonic acid, and di- and tetraozonide. Ivan Berkeš's dissertation entitled „An Addition to the Knowledge of Elemi Resin”, Faculty of Philosophy, Zagreb, 1939, is the result of experiments in this field.

Together with Dr. Pinter he worked on several problems in colloid chemistry and inorganic analytics, the results of which were never completed nor published due to war operations. A study on complex hexacianides was published after the war.

The transition to chromatography of amino-acids from fish protamines (B. Briski) marked the molecular size of these proteins. Continuing efforts to characterize individual protamines from the mixture by using insulin (insulin-protamine) inaugurated the separation of protamines by paper chromatography. Investigations of insulin purity and its dissociations into protomers (with Persida Berkeš) logically followed. Since the dosing of insulin was highly insecure on tissue carvings in Warburg's respirometer, an attempt was made to measure biological activity in a suspension of isolated cells (e.g. tumours), but

tumora), ali je najjednostavniji put izgledao da se radi sa kvascem. Sva ta istraživanja registrovana su publikacijama u kojima je dokazan određen ali nespecifičan uticaj proteina (a naročito insulina) na transport kroz membranu. Odatle datira preokupacija dr Ivana Berkeša za sastav i strukturu membrane kao i za mehanizam transporta, kojim se škola Prof. Berkeša bavila više sledećih godina.

Po dolasku u Beograd Profesor Berkeš je niz godina radio po projektu sa RZN SR Srbije na temi „Tiolska funkcija“. Prvo je uvedena vrlo tačna i specifična amperometrijska titracija slobodnih sulfhidrilnih grupa u niže-molekulskim jedinjenjima i proteinima. Ona je poslužila u prvom redu pri ispitivanju trovanja ugljendisulfidom. Najznačajniji rad u tom domenu je amperometrijsko određivanje aktivnosti enzima dimetiloetin: homocistein metilferaze (2.1.1.3), čime je otvoreno novo područje rada, koje nažalost nije dalje prošireno i korišćeno.

Kada je postalo jasno da kliničko ispitivanje aktivnosti transaminacije može da pruži korisne podatke u dijagnostici, na Farmaceutskom fakultetu u Beogradu pod rukovodstvom Profesora dr Ivana Berkeša je doktorirao mr Božidar Štraus (1962) ispitujući tu pojavu na eritrocitima. Profesor Berkeš koji je bio njegov mentor usmerio je dalja istraživanja na eritrocitu u smislu principijelnog učešća C-4 dikarbonskih kiselina u transportu na membrani (M. Stanulović, 1966). Po koncepciji Profesora Berkeša ove kiseline imaju presudnu ulogu u energetskom snabdevanju eritrocita kao i u transportu alkalnih jona kroz membranu. U nizu

the simplest way seemed to involve yeast. All these investigations were registered in publications where proteins (especially insulin) were proved to have a determined although unspecific influence on membrane transport. This is where Dr. Ivan Berkeš's preoccupation with the composition and structure of the membrane and its transport mechanism originated, which will be the focus of study for his school during the years to come.

Upon arriving in Belgrade, Professor Berkeš worked for several years on projects for the Republic Science Institute of the Federal Republic of Serbia, under the topic „Thiol Function“. First, the highly accurate and specific amperometric titration of free sulphhydryl groups in low-molecular compounds and proteins was introduced. It served primarily for the investigations of carbon disulphide poisoning. The most significant achievement in this domain is the amperometric determination of the activity of enzyme dimethylethine: homocysteine methylferase (2.1.1.3), which opened a new field of study that was unfortunately never fully expanded and used.

When it became clear that clinic investigations of transamination activity can yield useful diagnostic data, at the Faculty of Pharmacy in Belgrade under the guidance of Professor Dr. Ivan Berkeš, Mr. Božidar Štraus obtained a doctor's degree (1962) by examining this phenomenon on erythrocytes. As his mentor, Prof. Berkeš aimed further research at erythrocytes, in the sense of principle involvement of C-4 dicarbonic acids in membrane transport (M. Stanulović, 1966). According to Professor Berkeš's conception, these acids have a crucial role in providing energy to erythrocytes as well as in alkaline ions transport through the mem-

radova nastavljeno je istraživanje transaminacije, transporta određenih organskih kiselina kroz membranu i njihova uloga kao supstrata (Nada Majkić). Osim ovog rađeno je i na ispitivanju respiracije uz metilensko plavo, na redukciji methemoglobin u dva prisutna sistema kao i na udelu ATP-aza u transportu. Na ovoj problematiki koja je planirana kroz projekat „Istraživanje normalnog metabolizma eritrocita“ finansiranog od strane RZN SR Srbije, magistriralo je i doktoriralo više kandidata Profesora dr Ivana Berkeša.

Više godina Profesor Ivan Berkeš sa istom Zajednicom je imao ugovor vezan za temu „Dokazivanje, određivanje i izolacija enzima krvi“, gde su naročito bili zapaženi eksperimenti koji su se bavili određivanjem fenotipske raspodele enzima eritrocita kod populacija koje žive na teritoriji SR Srbije, kao i pojedinih etničkih grupa (ispitani su enzimi kisela fosfataza, adenilat-kinaza, fosfo-glukomutaza itd.: Nada Majkić i Vesna Kalimanovska).

U toku skoro 20 godina Profesor Ivan Berkeš je uložio veliki trud u metodološka istraživanja u kliničkoj biohemiji, opštoj i kliničkoj enzimologiji. O tome svedoče brojni specijalistički radovi, magisterske i doktorske teze koji reflektuju precizno koji je problem u određenom momentu bio aktuelan u našim uslovima. Treba samo prelistati naslove od oko 150 specijalističkih radova koji su rađeni pod njegovim rukovodstvom ili je samo sugerisao teme, pa da se vidi koja je tematika bila aktuelna.

Vredno je takođe pomenuti da je po ideji Profesora Ivana Berkeša na Farmaceutskom

brane. Through a series of papers research continued, focused on transamination, transport of certain organic acids through the membrane and their role as substrates (Nada Majkić). Beside this, investigations were undertaken regarding respiration with methylene blue, reduction of methemoglobin into two systems present, as well as the involvement of ATPases in transport. Several of Professor Dr. Ivan Berkeš's candidates obtained their master's and doctor's degrees for their work under this topic, which was part of the project „Investigation of Normal Erythrocyte Metabolism“ financed by the Republic Science Institute of the Federal Republic of Serbia.

For many years Professor Ivan Berkeš had a contract with the Institute related to the topic of „Evidence, Determination and Isolation of Blood Enzymes“, where experiments dealing with the determination of the fenotypic distribution of erythrocyte enzymes in populations living on the territory of the Federal Republic of Serbia, as well as certain ethnic groups, were given special attention (the following enzymes were investigated: acid phosphatase, adenilate-kinase, phosphoglucomutase etc.: Nada Majkić i Vesna Kalimanovska).

For nearly 20 years Professor Ivan Berkeš invested all his efforts into methodological research in clinical biochemistry, general and clinic enzymology. Numerous specialist, master and doctoral theses testify to this fact, and these precisely reflect which problem was prioritized at which time in our community. One should only go through the titles of about 150 specialist papers done under his tutorship or upon his suggestion, to see which topic was in focus.

fakultetu izrađena doktorska disertacija (Nada Majkić) koja je za osnovu imala postavljanje kinetičkih metoda za određivanje jednog broja oksidaza (anaerobne transhidrogenaze) koje se zasnivaju na oksidaciji hromogena ABTS. Kasnije su ovi eksperimenti poslužili kao polazni osnov za postavljanje metoda za određivanje jednog broja supstrata (npr. glukoza, holesterol, alkohol), za koje je pokazano veliko interesovanje kako kod nas tako i u svetu.

Za enzime Prof. dr Ivan Berkeš je počeo da se zanima kao nastavnik biohemije na Medicinskom fakultetu u Skoplju. U svom dugogodišnjem naučno-istraživačkom radu Profesor Berkeš se naročito posvetio ispitivanju više klasa enzima. Bio je član Enzimske komisije Međunarodne federacije za kliničku hemiju. Kao utemeljivač kliničke enzimologije napisao je 1975. godine sa Profesor Persidom Berkeš eminentno delo „Opšta i medicinska enzimologija”, kao prvu naučnu obradu enzima na našem jeziku, koju je Farmaceutski fakultet 1976. godine predložio za Oktobarsku nagradu Grada Beograda. Njegovo je ubedjenje bilo i ostalo da se metabolism može naučiti samo uz poznavanje karaktera i osobina individualnih enzima. Iz toga razloga trasirao je „beogradsku školu enzimologije” kao pedagoško-publicističku i istraživačku.

U toku svog radnog staža Prof. dr Ivan Berkeš je objavio više knjiga i preko 200 naučnih radova u svetskim i domaćim časopisima. Rukovodio je nizom naučno-istraživačkih projekata, kojima se škola Profesora Berkeša bavila i nakon njegovog odlaska u penziju.

One other noteworthy reference could be made to a doctoral dissertation (Nada Majkić) done at the Faculty of Pharmacy and based on the idea of Professor Ivan Berkeš, which aimed to establish a kinetic method for the determination of a number of oxidases (anaerobic transhydrogenase) based on the oxidation of chromogen ABTS. These experiments later served as a foundation for establishing methods for the determination of a number of substrates (e.g. glucose, cholesterol, alcohol), which evoked much interest on the local as well as the global level.

Prof. Dr. Ivan Berkeš became interested in enzymes as a biochemistry teacher at the Medical Faculty in Skopje. During his many years of scientific-investigative work, Professor Berkeš was especially dedicated to examining several classes of enzymes. He was a member of the Enzyme Committee of the International Federation of Clinical Chemistry. As the founder of clinical enzymology, in 1975, together with Professor Persida Berkeš, he wrote the famous work „General and Medical Enzymology”, the first scientific elaboration of enzymes in our language, nominated by the Faculty of Pharmacy in 1976 as the candidate for the October Prize of the City of Belgrade. Their belief, which they never abandoned, was that metabolism may be understood only with the knowledge of the nature and characteristics of individual enzymes. For that reason, he paved the way for the „Belgrade School of Enzymology” as a pedagogic-publicistic and research entity.

During his working years, Professor Dr. Ivan Berkeš published several books and over 200 scientific papers in renowned magazines in

Odmah po dolasku na Farmaceutski fakultet u Beogradu, Profesor dr Ivan Berkeš se posvetio stvaranju programa za specijalizaciju iz medicinske biohemije. U toku 18. godišnjeg perioda pod njegovim rukovodstvom specijaliziralo je preko 150 medicinskih biohemičara, a iz oblasti medicinske biohemije magistriralo i doktoriralo više desetina farmaceuta. Razvoju medicinske biohemije doprinosio je i svojim aktivnim radom u Saveznoj komisiji za medicinsku biohemiju i Sekciji za medicinsku biohemiju Farmaceutskog društva Srbije kao strukovnoj organizaciji. Dugogodišnjom naučnom i stručnom aktivnošću Prof. dr Ivan Berkeš je doprineo da se u srpskoj medicini i farmaciji utemelji medicinska biohemija kao savremena dijagnostička grana, pri čemu je Profesor Ivan Berkeš svojim studentima, specijalizantima i poslediplomcima uvek nesebično prenosio svoja ogromna znanja.

Nama, njegovim đacima i sledbenicima, Profesor Berkeš je istovremeno bio Profesor, Učitelj, otac i prijatelj. Učio nas je tajnama i veštinama medicinske biohemije, ali i životnim istinama. Cenio je i podržavao svestrane ličnosti, hrabrost i odlučnost mladih ljudi. Nastojao je da utiče na razvoj istraživačkog duha kod svojih studenata.

Voleli smo da slušamo njegova predavanja zbog ilustrativnog pristupa teškoj materiji. Svi se kao da je bilo danas sećamo njegovih duhovitih primedbi zabeleženih u tekstovima naših magistarskih i doktorskih teza i specijalističkih radova. Iste greške nismo nikad ponovili. Stalno nas je usmeravao da težimo istini ali i da dostignemo nemoguće.

our country and worldwide. He mentored a series of scientific-research projects, the work continued by his school after his retirement.

Immediately after joining the staff of the Faculty of Pharmacy in Belgrade, Prof. Dr. Ivan Berkeš became dedicated to creating a program for specialty studies in medical biochemistry. During the 18 years under his tutorship, more than 150 medical biochemists became specialists in this field, and several dozen pharmacists obtained their master's and doctor's degrees. Another way of contributing to the development of medical biochemistry was through his active engagement in the Federal Committee for Medical Biochemistry and the Section of Medical Biochemistry of the Pharmaceutical Society of Serbia as a professional organization. Owing to his many active years as a scientist and expert, Prof. Dr. Ivan Berkeš helped to establish medical biochemistry as a contemporary diagnostic branch in Serbian medicine and pharmacy, whereby the professor unselfishly shared his vast knowledge with his students, interns and postgraduates.

To us, his students and followers, Professor Berkeš was at the same time a Professor, a Teacher, a father and a friend. He taught us the secrets and skills of medical biochemistry, but also the life's truths. He appreciated and supported open-mindedness, courage and determination in young people, encouraging students to develop a spirit of investigation.

We loved listening to his lectures, because of his illustrative approach to serious matters. His witty remarks still come to mind, recorded in the texts of our master and doc-

Profesor Berkeš je bio svestrana ličnost, voleo je muziku, slikao je, govorio pet svetskih jezika, poznavao je istoriju, filozofiju. Bavio se dugi niz godina filatelijom. Svojim đacima bio je uzor u svakom pogledu. Potajno smo žezeleli da dostignemo samo delić njegove harizme. Cenili smo ga, uvažavali i poštovali. Ovo osećanje ostaće trajno u nama.

Nakon smrti Prof. dr Ivana Berkeša 1997. godine, u njegovu čast su Društvo medicinskih biohemičara Jugoslavije (danas Društvo medicinskih biohemičara Srbije) i Farmaceutski fakultet Univerziteta u Beogradu formirali **Naučni fond „Profesor Ivan Berkeš“** i ustanovali **„Godišnju naučnu konferenciju“** posvećenu životu i delu Profesora Ivana Berkeša, na predlog i u organizaciji Prof. dr Nade Majkić Singh. Počevši od 1998. godine na Naučnim konferencijama prikazuju se magistarske i doktorske teze članova Društva i iz srodnih disciplina u toku protekle godine, a svake godine su nagrađivani i najbolji studenti Farmaceutskog fakulteta na smeru farmacija - medicinska biohemija, kao i na smeru farmacija koji su diplomirali sa najvišom prosečnom ocenom u prethodnoj školskoj godini.

Svrha **Naučnog fonda** je dodela novčane nagrade i diplome najboljim studentima Farmaceutskog fakulteta, oba profila studija (diplomirani farmaceut-medicinski biohemičar i diplomirani farmaceut; sada: magistar farmacije-medicinski biohemičar i magistar farmacije), koji su najkraće studirali i diplomirali sa najvišom prosečnom ocenom u prethodnoj školskoj godini. Do sada su održane 22 Naučne godišnje konferencije na kojima je 48 laureata primilo Diplome i

toral theses and specialists papers. We never repeated the same mistakes. He inspired us to reach for the truth, but also to achieve the impossible.

Professor Berkeš was a versatile figure – he loved music, painting, spoke five languages, knew history, philosophy. He practiced philately for many years. He was a role model to his students in every respect. Our secret was to have a hint of his charisma. We honored, admired and respected him. These feelings will always live within us.

Appreciating the work of their teacher and a renowned expert Professor Dr. Ivan Berkeš, the Society of Medical Biochemists of Yugoslavia (now the Society of Medical Biochemists of Serbia) and the Faculty of Pharmacy, University of Belgrade, created the **Scientific Foundation „Professor Ivan Berkeš“** in 1997 and established the **„Annual Scientific Conference“** dedicated to the life and work of Professor Ivan Berkeš. The scientific foundation was established on the proposal of the Professor Dr. Nada Majkić-Singh, also a long-term organizer of the Annual Scientific Conferences. Beginning in 1998, Scientific Conferences have been presenting masters and doctoral theses of members of the Society and related disciplines during the previous year.

The purpose of the **Scientific Foundation** is to award monetary awards and diplomas to the best graduates of the Faculty of Pharmacy in the previous year, of both study profiles (graduate pharmacist-medical biochemist and graduate pharmacist; now: master of pharmacy-medical biochemist and master of pharmacy), who were the quickest to graduate and with the highest average

novčane nagrade Fonda, čije biografije su prikazane u ovoj monografiji. Društvo medicinskih biohemičara koristi priliku da im još jednom čestita na postignutim uspesima u oblasti medicinske biohemije i farmacije.

U Beogradu je 16. novembra 2010. godine održana Trinaesta godišnja naučna konferencija posvećena 100-godišnjici rođenja Profesora Ivana Berkeša u okviru koje su stručnjaci iz Beograda (N. Majkić-Singh), Zagreba (S. Margetić) i Skoplja (S. Efremova-Aaron) u kojima je Profesor Ivan Berkeš živeo i radio, održali svoja predavanja. Takođe su tradicionalno iz Naučnog fonda „Profesor Ivan Berkeš“ dodeljene diplome i novčane nagrade najboljim studentima Farmaceutskog fakulteta u Beogradu i to: Zori Ćetković i Jeleni Joksić.

Godine 2020. Društvo medicinskih biohemičara Srbije obeležava 110 godina od rođenja Profesora Ivana Berkeša kojom prigodom je pripremljena Monografija – ŽIVOT I DELO PROFESORA IVANA BERKEŠA i LAUREATI FONDA: GDE SU I ŠTA RADE DANAS?

grade. So far, twenty-two Scientific Annual Conferences have been held, with fourth-eight laureates of the Foundation who were awarded diplomas and monetary awards, with their biographies presented in this monograph. On this occasion, the Society of Medical Biochemists congratulates them once again on their achievements in the field of medical biochemistry and pharmacy.

On November 16th, 2010, the Thirteenth Annual Scientific Conference dedicated to the 100th anniversary of the birth of Professor Ivan Berkeš was held in Belgrade, during which experts from Belgrade (N. Majkić-Singh), Zagreb (S. Margetić) and Skopje (S. Efremova-Aaron), the cities where Professor Ivan Berkeš lived and worked, gave their lectures. Also, diplomas and money awards were traditionally presented by the Scientific „Foundation Professor Dr. Ivan Berkeš“ to the best students of the Faculty of Pharmacy in Belgrade: Zora Ćetković and Jelena Joksić.

In 2020, the Society of Medical Biochemists of Serbia will mark the 110th anniversary of the birth of Professor Ivan Berkeš, on which occasion the Monograph – LIFE AND WORK OF PROFESSOR IVAN BERKEŠ and FOUNDATION LAUREATES were prepared: WHERE ARE THEY AND WHAT ARE THEY DOING TODAY?



Ivan Berkeš sa mamom i tatom/Ivan Berkeš with mother and father.



Majka Ivana Berkeša/Ivan Berkeš mother Gizela.



Ivan Berkeš sa suprugom i sinom Igorom, 1951. godine/
Ivan Berkeš with wife and son Igor, 1951.



Ivan Berkeš (1938. godine).



Profesor Berkeš
sa suprugom
Profesor
Persidom Berkeš/
Professor Berkeš
with wife Professor
Persida Berkeš.



Ivan Berkeš na studijama, Zagreb/Ivan Berkeš during his university studies in Zagreb.



Ivan Berkeš stoji drugi s leva sa kolegama na vežbama/Ivan Berkeš standing second from the left with colleagues at his university studies exercises.



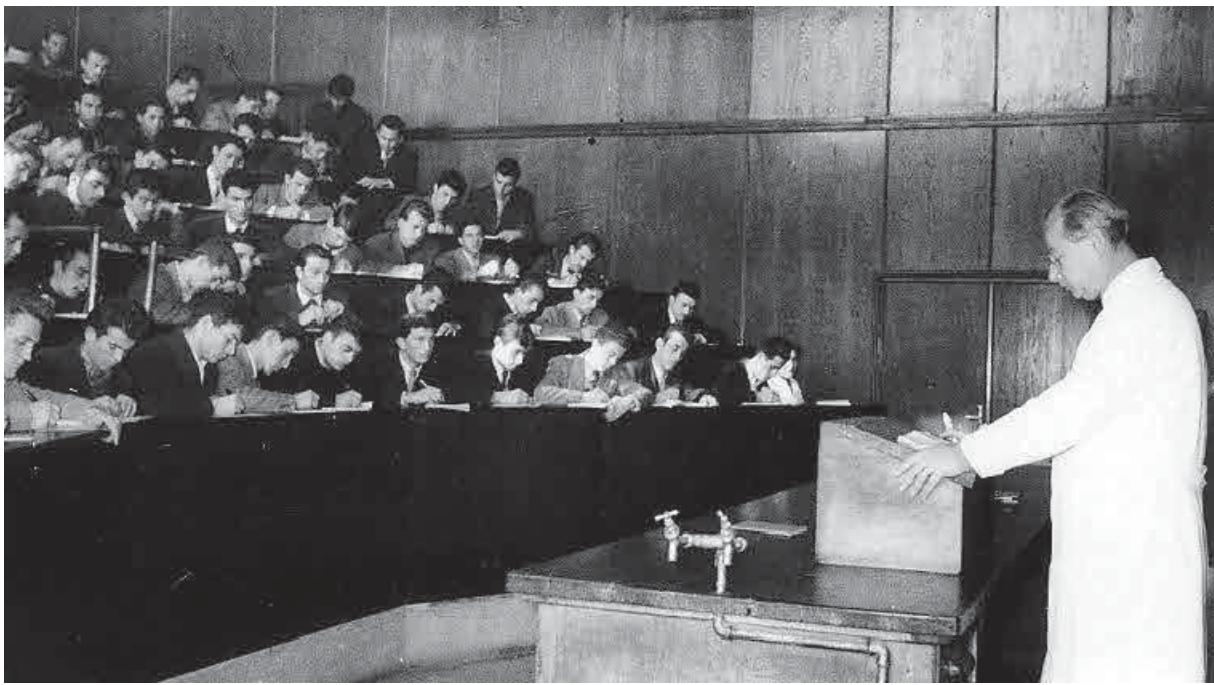
Ivan Berkeš sa kolegama/Ivan Berkeš with colleagues during his university studies.



Ivan Berkeš sa kolegama ispred Hemijskog Instituta u Beogradu/Ivan Berkeš with colleagues in front of the Chemical Institute in Belgrade.



Ivan Berkeš sa kolegama ispred Hemijskog Instituta u Beogradu/Ivan Berkeš with colleagues in front of the Chemical Institute in Belgrade.



Ivan Berkeš na Medicinskom fakultetu u Skoplju 1957. godine/Ivan Berkeš at Medical Faculty in Skoplje, 1957.



Profesor Berkeš u Beču, Austrija 1–6. septembar 1958. godine na IV Međunarodnom kongresu biohemije/
Professor Berkeš at Wiena, Austria, 1958, September 1–6 at IV International Biochemistry Congress.



Profesor Ivan Berkeš.



Profesor Ivan Berkeš na Farmaceutskom fakultetu sa saradnicima i specijalizantima, Beograd, 1968. godine/
Professor Ivan Berkeš at Pharmaceutical Faculty with colleagues and specialists, Belgrade, 1968.



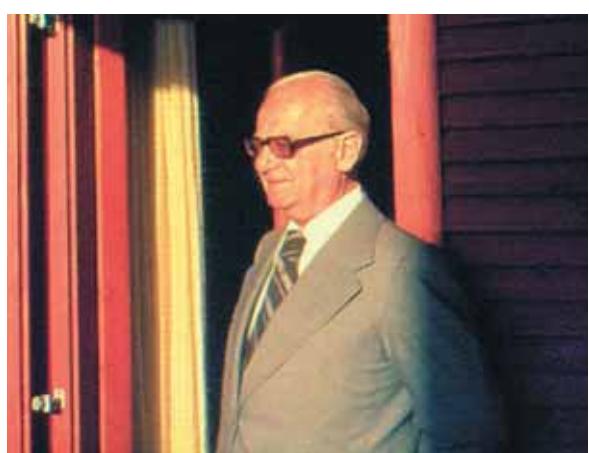
Farmaceutski fakultet, Profesor Ivan Berkeš sa saradnicima i grupom specijalizanata, Beograd, 1970. godine/
Pharmaceutical Faculty, Professor Ivan Berkeš with his collaborators and specialists, Belgrade, 1970.



Profesor Ivan Berkeš sa asistentima i specijalizantima/Professor Ivan Berkeš with his collaborators and specialists.



Profesor Ivan Berkeš prima Diplomu povodom 40-godišnjice Centralne laboratorije Kliničkog Centra Srbije od direktora Prof. dr Nade Majkić-Singh/ Professor Nada Majkić-Singh delivery Diploma to Professor Ivan Berkeš.



GODIŠNJE
NAUČNE
KONFERENCIJE

ANNUAL
SCIENTIFIC
CONFERENCES

Ceneći delo svog učitelja i eminentnog stručnjaka Prof. dr Ivana Berkeša, Društvo medicinskih biohemičara Jugoslavije i Farmaceutski fakultet Univerziteta iz Beograda, formirali su 1997. godine **Naučni fond „Profesor Ivan Berkeš“** i ustanovili „**Godišnju naučnu konferenciju**“ koju su posvetili životu i delu Profesora Ivana Berkeša. Naučni fond je formiran na predlog Prof. dr Nade Majkić-Singh, koja je i dugogodišnji organizator Godišnjih naučnih konferencija.

Dr Ivan Berkeš, Profesor Farmaceutskog fakulteta Univerziteta u Beogradu jedan je od utemeljivača medicinske biohemije u Jugoslaviji. Medicinsku biohemiju predavao je u Zagrebu, Skoplju i Beogradu. Dolaskom u Beograd, šezdesetih godina, posvetio se stvaranju programa specijalizacije iz medicinske biohemije. Pod njegovim rukovodstvom iz oblasti medicinske biohemije magistriralo i doktoriralo je više desetina kandidata i specijaliziralo preko 150 medicinskih biohemičara. Utemeljio je i *Kliničku enzimologiju* kao nezavisnu disciplinu. Beogradsku školu enzimologije trasirao je kao pedagoško-publicističku i istraživačku. Objavio je preko 200 naučnih radova u svetskim i domaćim časopisima i napisao više knjiga. Autor je dela „Opšta i medicinska enzimologija“.

Počev od 1998. godine do danas Društvo medicinskih biohemičara Srbije (ranije Jugoslavije) održalo je 22 Naučne konferencije posvećene delu Prof. dr Ivana Berkeša u toku kojih su prikazivane magistarske i doktorske teze iz naučne oblasti medicinske biohemije i srodnih disciplina odbranjene u toku protekle godine.

Appreciating the work of their teacher and an eminent expert Prof. Dr. Ivan Berkeš, the Society of Medical Biochemists of Yugoslavia and the Faculty of Pharmacy, University of Belgrade, set up the **Scientific Foundation „Professor Ivan Berkeš“** in 1997 and established the „**Annual Scientific Conference**“ dedicated to the life and work of Professor Ivan Berkeš. The Scientific Foundation was established on the proposal of Prof. Dr. Nada Majkić-Singh, who is also the long-term organizer of the Annual Scientific Conferences.

Dr. Ivan Berkeš, Professor at the Faculty of Pharmacy, University of Belgrade, was one of the founders of medical biochemistry in Yugoslavia. He taught medical biochemistry in Zagreb, Skopje, and Belgrade. Arriving in Belgrade in the sixties, he dedicated himself to creating a specialization program in medical biochemistry. Under his leadership in the field of medical biochemistry, dozens of candidates obtained master's and doctoral degrees as well as 150 medical biochemists who specialized. He also founded *Clinical Enzymology* as an independent discipline. He paved the road for the Belgrade School of Enzymology as a pedagogical-journalistic and research one. He published over 200 scientific papers in international and domestic journals and wrote several books. He is the author of „General and Medical Enzymology.“

Starting from 1998 until today, the Society of Medical Biochemists of Serbia (formerly Yugoslavia) has held 22 Scientific Conferences dedicated to the work of Prof. Dr. Ivan Berkeš, during which the master's and doctoral theses of the members of the Society from related disciplines from the previous years were presented and defended.

Na Naučnoj konferenciji svoje magistarske ili doktorske teze, bilo da su odbranjene na Farmaceutskom ili Medicinskom fakultetu Univerziteta u Beogradu, ili Medicinskim fakultetima Univerziteta u Nišu i Novom Sadu, izložili su sledeći članovi Društva: Violeta Jelušić, Mirka Ilić, Marija Romić, Tatjana Ristić, Sanja Stanković, Lilika Zvezdanović, Radica Dunjić, Radmila Mihailović, Marijana Dajak, Nataša Bogavac-Stanojević, Tatjana Jevtović-Stoimenov, Slavka Mandić-Radić, Vojislav Ristovski, Snežana Marković, Janko Pejović, Tatjana Vodnik, Vesna Radonjić, Vesna Stojanović, Radmila Kovačević, Mirjana Opačić, Zorica Šumarač, Zoran Mijušković, Marina Vučeljić, Duško Mirković, Tatjana Cvetković, Marica Marković, Aleksandra Nikolić, Aleksandra Davić-Radojević, Vladan Čosić, Emina Čolak, Nada Bujšić, Dušan Sokolović, Mirjana Bećarević, Olivera Dimitrijević, Velibor Čabarkapa, Branimir Radosavljević, Radmila Obrenović, Zoran Dimitrijević, Snežana Jovičić, Aleksandar Veljković, Dragana Pap, Aleksandar Ignjatović, Andjelo Beletić, Ana Ninić, Lidija Memon, Vesna Vuković. Većina ovde navedenih su izlagali svoje magistarske, kao i doktorske teze. Jedino je Prva naučna konferencija imala karakter opšte naučne konferencije na kojoj je izlagalo više autora. O životu i delu govorila je Prof. dr Nada Majkić-Singh, a zatim su izlagali E-G. Krauese (Berlin, Nemačka), Zorana Vasiljević, Snežana Marković, Gordana Koračević, Nada Majkić-Singh, Slavica Spasić, Mirka Ilić, Zorana Jelić-Ivanović i Vesna Spasojević-Kalimanovska.

Prva godišnja naučna konferencija (The First Annual Scientific Conference „Professor Ivan Berkeš“) održana je 25. 11. 1998. godine

At the Scientific Conference, the following members of the Society presented their master's or doctoral theses, regardless of whether they were defended at the Faculty of Pharmacy or Medicine of the University of Belgrade, or the Medical Faculties of the Universities of Niš and Novi Sad: Violeta Jelušić, Mirka Ilić, Marija Romić, Tatjana Ristić, Sanja Stanković, Lilika Zvezdanović, Radica Dunjić, Radmila Mihailović, Marijana Dajak, Nataša Bogavac-Stanojević, Tatjana Jevtović Stoimenov, Slavka Mandić-Radić, Vojislav Ristovski, Snežana Marković, Janko Pejović, Tatjana Vodnik, Vesna Radonjić, Vesna Stojanović, Radmila Kovačević, Mirjana Opačić, Zorica Šumarač, Zoran Mijušković, Marina Vučeljić, Duško Mirković, Tatjana Cvetković, Marica Marković, Aleksandra Nikolić, Aleksandra Davić-Radojević, Vladan Čosić, Emina Čolak, Nada Bujšić, Dušan Sokolović, Mirjana Bećarević, Olivera Dimitrijević, Velibor Čabarkapa, Branimir Radosavljević, Radmila Obrenović, Zoran Dimitrijević, Snežana Jovičić, Aleksandar Veljković, Dragana Pap, Aleksandar Ignjatović, Andjelo Beletić, Ana Ninić, Lidija Memon, Vesna Vuković. Most of those listed here presented their master's and doctoral theses. Only the First Scientific Conference had the character of a general scientific conference at which several authors presented. Prof. Dr. Nada Majkić-Singh spoke about life and work of Prof Ivan Berkeš with the presentation of the following participants: E-G. Krauese (Berlin, Germany), Zorana Vasiljević, Snežana Marković, Gordana Koračević, Nada Majkić-Singh, Slavica Spasić, Mirka Ilić, Zorana Jelić-Ivanović and Vesna Spasojević Kalimanovska.

The First Annual Scientific Conference „Professor Ivan Berkeš“ was held on November 25, 1998, in Belgrade, at the „Inter-

u Beogradu, u hotelu „Inter-Continental Beograd”, uz održavanje Drugog kongresa farmaceuta Jugoslavije. Organizatori su bili Naučno društvo Srbije, Sekcija za medicinsku biohemiju Farmaceutskog društva Srbije i Društvo medicinskih biohemičara Jugoslavije. Naučna konferencija je održana pod naslovom „Uloga biohemijskih parametara u okviru praćenja kardiovaskularnih oboljenja”. Profesor dr Nada Majkić-Singh u uvodu je govorila o životu i delu Profesora Ivana Berkeša, da bi zatim devet eminentnih predavača održali svoja predavanja.

Svrha Naučnog fonda „Profesor Ivan Berkeš“, je dodela novčane nagrade i diplome najboljim studentima Farmaceutskog fakulteta, oba profila studija: diplomirani farmaceut-medicinski biohemičar i diplomirani farmaceut (sada: magistar farmacije-medicalni biohemičar i magistar farmacije), koji su najkraće studirali i diplomirali sa najvišom prosečnom ocenom u prethodnoj školskoj godini.

Prvi nagrađeni laureati Fonda bili su:

VESNA VUKOVIĆ
(diplomirani farmaceut-
medicinski biohemičar)
i
NEBOJŠA CEKIĆ
(diplomirani farmaceut)

Druga godišnja naučna konferencija (The Second Annual Scientific Conference „Professor Ivan Berkeš“) održana je 14. decembra 1999. godine u Beogradu, u Hotelu M. Ova konferencija održana je i povodom 60 godina Farmaceutskog fakulteta u Beogradu i 120 godina Farmaceutskog društva Srbije

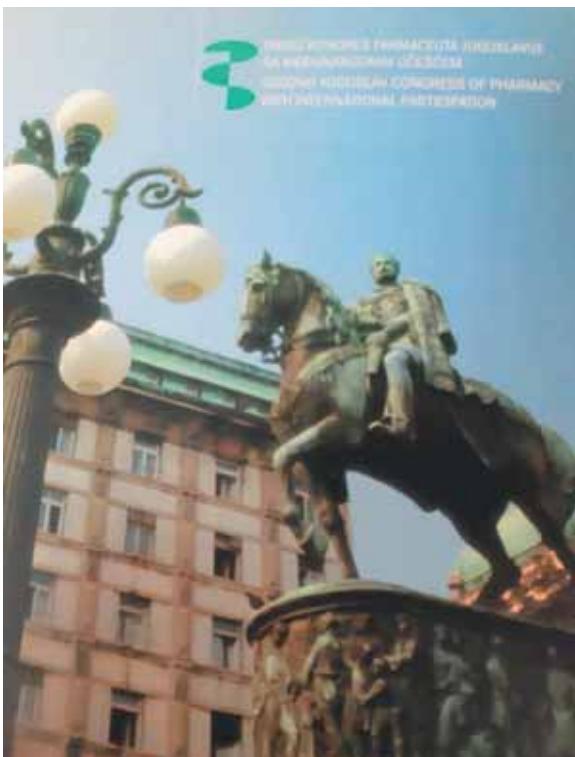
Continental Belgrade” hotel, together with the Second Congress of Yugoslav Pharmacists. The organizers were the Scientific Society of Serbia, the Section for Medical Biochemistry of the Pharmaceutical Society of Serbia, and the Society of Medical Biochemists of Yugoslavia. The Scientific Conference was held under the title „The Role of Biochemical Parameters in Cardiovascular Disease – Detecting and Follow-up.“ In the introduction, Professor Nada Majkić-Singh spoke about the life and work of Professor Ivan Berkeš, and then nine eminent lecturers gave their lectures.

The purpose of the **Scientific Foundation „Professor Ivan Berkeš“** is to award monetary awards and diplomas to the best students of the Faculty of Pharmacy, of both study profiles: graduate pharmacist-medical biochemist and graduate pharmacist (now: master of pharmacy-medical biochemist and master of pharmacy) who were the quickest to graduate and with the highest average grade in the previous school year.

The first laureates of the Foundation were:

VESNA VUKOVIĆ
(graduate pharmacist-medical biochemist)
and
NEBOJŠA CEKIĆ
(graduate pharmacist)

The Second Annual Scientific Conference „Professor Ivan Berkeš“ was held on December 14, 1999, in Belgrade, at the Hotel M. This Conference was also held on the occasion of 60 years of the Faculty of Pharmacy in Belgrade and 120 years of the Pharmaceutical Society of Serbia organized by the



Program Drugog kongresa farmaceuta Jugoslavije sa međunarodnim učešćem, Beograd, 25–28. novembar 1998. godine.

Program of the Second Yugoslav Congress of Pharmacy with international participations, Belgrade, November 25–28, 1998.



Prof. dr Nada Majkić-Singh, predsednik Društva medicinskih biohemičara Jugoslavije dodeljuje Diplome Fonda „Profesor Ivan Berkeš”.

Professor Dr. Nada Majkić-Singh, president of the Society of Medical Biochemists of Yugoslavia deliver Diplomas of the Scientific Foundation „Professor Ivan Berkeš”.



Profesori Nada Majkić-Singh, Milena Pokrajac i Ivanka Miletić na Prvoj godišnjoj naučnoj konferenciji. Professors Nada Majkić-Singh, Milena Pokrajac and Ivanka Miletić on the First Annual Scientific Conference.



Učesnici Prve godišnje naučne konferencije, 1998. godine.

Participants on the First Annual Scientific Conference, 1998.

u organizaciji „Naučnog fonda Profesor Ivan Berkeš”, Sekcije za medicinsku biohemiju Farmaceutskog Društva Srbije i Društva medicinskih biohemičara Jugoslavije.

Nakon otvaranja konferencije Prof. dr Nada Majkić-Singh je u ime Naučnog fonda „Profesor Ivan Berkeš” dodelila Diplome Fonda studentima Farmaceutskog fakulteta koji su u školskoj 1998/99. godini diplomirali sa najvećom prosečnom ocenom i to:

SONJI BULAJIĆ
(diplomiranom farmaceutu-
medicinskom biohemičaru)
i
IVANU KOVAČEVIĆU
(diplomiranom farmaceutu)

U okviru ceremonijalnog otvaranja Konferencije dodeljene su i Zahvalnice Društva medicinskih biohemičara Jugoslavije članovima Društva Miljani Popović, Spomenki Stoilković i Nadici Stevanović za izuzetnu organizaciju XV Biohemijskih dana, održanih u Vranju 1998. godine.

U programu konferencije članovi Društva koji su 1999. godine odbranili svoje magistarske teze (T. Ristić, S. Stanković i L. Zvezdanović) i doktorske disertacije (V. Jelušić, M. Ilić i M. Romić) uspešno su izlagali rezultate svog naučnog rada. Društvo medicinskih biohemičara im se zahvaljuje na učestvovanju.

Scientific Foundation „Professor Ivan Berkeš”, Section for Medical Biochemistry of the Pharmaceutical Society of Serbia, and the Society of Medical Biochemists of Yugoslavia.

After the opening of the Conference, Prof. Dr. Nada Majkić-Singh, on behalf of the Scientific Foundation „Professor Ivan Berkeš“ awarded diplomas to students of the Faculty of Pharmacy who graduated with the highest average grade in the school year 1998/99:

SONJA BULAJIĆ
(graduate pharmacist-medical biochemist)
and
IVAN KOVAČEVIĆ
(graduate pharmacist)

As part of the ceremonial opening of the Conference, the members of the Society of Medical Biochemists of Yugoslavia Miljana Popović, Spomenka Stoilković, and Nadica Stevanović were awarded Certifications of Appreciation for the exceptional organization of the XV Biochemical Days, held in Vranje in 1998.

In the conference program, the members of the Society who defended their master's theses in 1999 (T. Ristić, S. Stanković, and L. Zvezdanović) and doctoral dissertations (V. Jelušić, M. Ilić, and M. Romić) successfully presented the results of their scientific work. The Society of Medical Biochemists thanks them for their participation.

Diploma

za vrhunski doprinos u oblastima
farmacije i medicinske biohemije

Bulajić Sonja

Predsednik

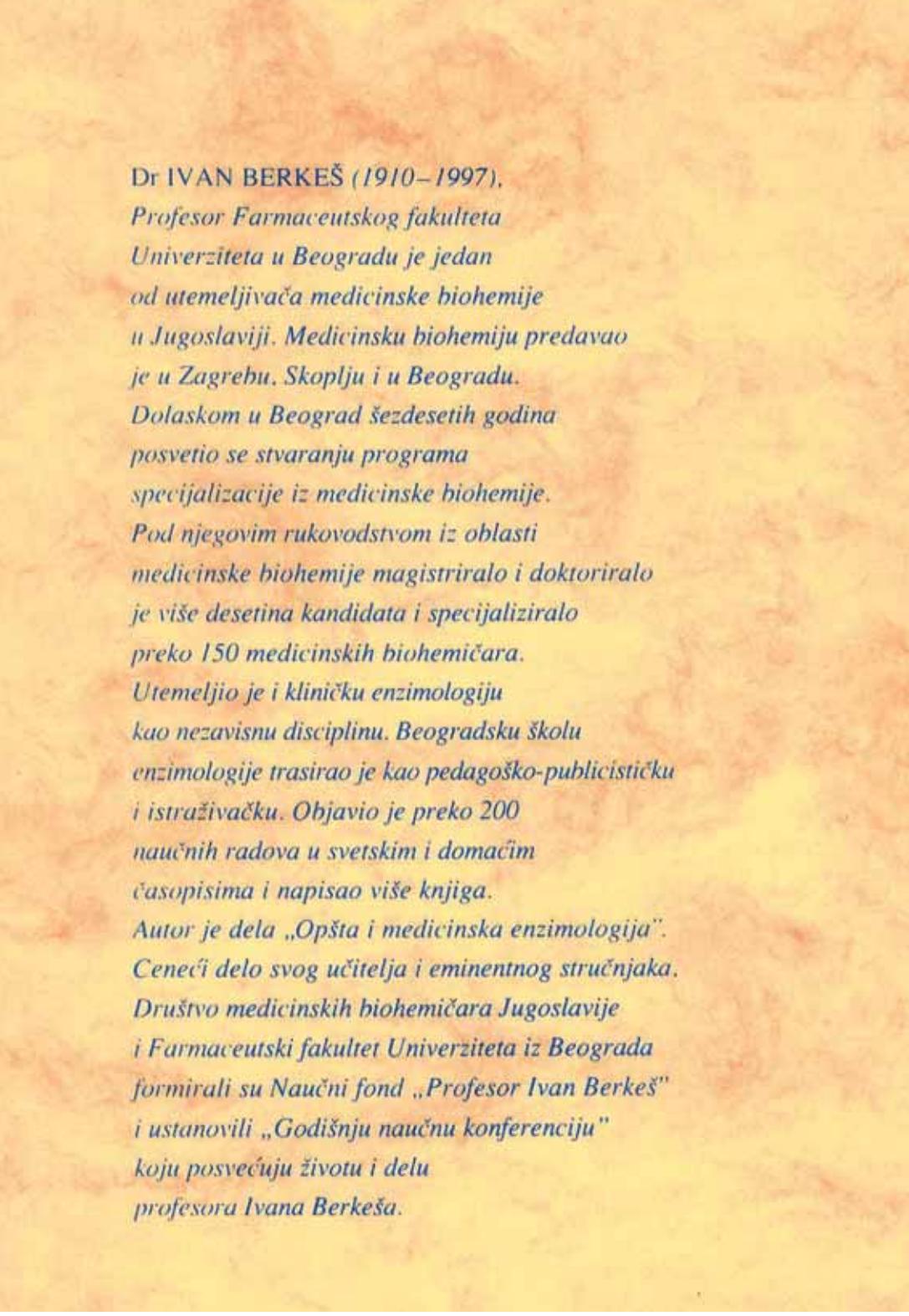
Društva medicinskih biohemičara Jugoslavije

Akošević

Dekan

Farmaceutskog fakulteta

M. Četković



Dr IVAN BERKEŠ (1910–1997),
*Profesor Farmaceutskog fakulteta
Univerziteta u Beogradu je jedan
od utemeljivača medicinske biohemije
u Jugoslaviji. Medicinsku biohemiju predavao
je u Zagrebu, Skoplju i u Beogradu.
Dolaskom u Beograd šezdesetih godina
posvetio se stvaranju programa
specijalizacije iz medicinske biohemije.
Pod njegovim rukovodstvom iz oblasti
medicinske biohemije magistriralo i doktoriralo
je više desetina kandidata i specijaliziralo
preko 150 medicinskih biohemičara.
Utemeljio je i kliničku enzimologiju
kao nezavisnu disciplinu. Beogradsku školu
enzimologije trasirao je kao pedagoško-publicističku
i istraživačku. Objavio je preko 200
naučnih radova u svetskim i domaćim
časopisima i napisao više knjiga.
Autor je dela „Opšta i medicinska enzimologija“.
Ceneći delo svog učitelja i eminentnog stručnjaka,
Društvo medicinskih biohemičara Jugoslavije
i Farmaceutski fakultet Univerziteta iz Beograda
formirali su Naučni fond „Profesor Ivan Berkeš“
i ustanovili „Godišnju naučnu konferenciju“
koju posvećuju životu i delu
profesora Ivana Berkeša.*

Diploma

za vrhunski doprinos u oblastima
farmacije i medicinske biohemije

Kovačević Ivan

Predsednik
Društva medicinskih biohemičara Jugoslavije

A. Kovačević

Dekan
Farmaceutskog fakulteta

M. Gajševac

Treća godišnja naučna konferencija posvećena životu i delu Profesora Ivana Berkeša održana je 27. februara 2001. godine u Hotelu „M“. Konferencijom su predsedavale Svetlana Ignjatović, Aleksandra Poštić-Grujin i Vera Cvetković.

Nagrade Fonda na Trećoj naučnoj konferenciji dodeljene su:

IVI PEROVIĆ

(diplomiranom farmaceutu-
medicinskom biohemičaru)
i

DANIJELI ĐUKIĆ

(diplomiranom farmaceutu)

The Third Annual Scientific Conference dedicated to the life and work of Professor Ivan Berkeš was held on February 27, 2001, at the Hotel „M.“ The Conference was chaired by Svetlana Ignjatović, Aleksandra Poštić-Grujin, and Vera Cvetković.

The laureates of the awards of the Foundation at the Third Scientific Conference were:

IVA PEROVIĆ

(graduate pharmacist-medical biochemist)
and

DANIJELA ĐUKIĆ

(graduate pharmacist)



Predsedavajući Treće godišnje naučne konferencije: Svetlana Ignjatović, Aleksandra Poštić-Grujin i Vera Cvetković (Beograd, 2001. god.).

Chairwomen of the Third Annual Scientific Conference: Svetlana Ignjatović, Aleksandra Poštić-Grujin, and Vera Cvetković (Belgrade, 2001).



Predsedavajuće programa: Aleksandra Poštić-Grujin i Radmila Nikolajević.
Programme Chairs: Aleksandra Poštić-Grujin and Radmila Nikolajević.



Iva Perović i Danijela Đukić dobitnici nagrade na Trećoj godišnjoj naučnoj konferenciji.
Iva Perović and Danijela Đukić – award winners at the Third Annual Scientific Conference.



Učesnici Treće godišnje naučne konferencije.
Participants of the Third Annual Scientific Conference.

Četvrta godišnja naučna konferencija posvećena životu i delu Profesora Ivana Berkeša održana je u Beogradu 17. decembra 2001. godine na Vojnomedicinskoj akademiji u Beogradu pod pokroviteljstvom Naučnog društva Srbije, Naučnog fonda „Profesor Ivan Berkeš”, Farmaceutskog fakulteta, Instituta za medicinsku biohemiju Kliničkog centra Srbije, Instituta za medicinsku biohemiju Vojnomedicinske akademije i Društva medicinskih biohemičara Jugoslavije. Konferenciju je ispred pokrovitelja otvorio Prof. dr. Miroslav Draškoci.

Tradicionalno i ove godine Naučni fond „Profesor Ivan Berkeš” dodelio je diplome i novčane nagrade najboljim studentima Farmaceutskog fakulteta u školskoj 2000/2001. godini i to:

ANI ĐUROVIĆ
(diplomiranom farmaceutu-
medicinskom biohemičaru)
i
MARIJI STANOJEVIĆ
(diplomiranom farmaceutu)

The Fourth Annual Scientific Conference dedicated to the life and work of Professor Ivan Berkeš was held in Belgrade on December 17, 2001, at the Military Medical Academy in Belgrade under the auspices of the Scientific Society of Serbia, Scientific Foundation „Professor Ivan Berkeš,” the Faculty of Pharmacy, the Institute of Medical Biochemistry of the Clinical Center of Serbia, the Institute of Medical Biochemistry of the Military Medical Academy, and the Society of Medical Biochemists of Yugoslavia. On behalf of the institutions that support the Conference, the opening address was given by Prof. Dr. Miroslav Draškoci.

Traditionally, this year the Scientific Foundation „Professor Ivan Berkeš” awarded diplomas and monetary awards to the best students of the Faculty of Pharmacy in the school year 2000/2001:

ANA ĐUROVIĆ
(graduate pharmacist-medical biochemist)
and
MARIJA STANOJEVIĆ
(graduate pharmacist)



Profesor Miroslav Draškoci otvara Četvrtu naučnu konferenciju „Profesor Ivan Berkeš”. Radno predsedništvo: Dr Aleksandra Poštić-Grujin i pukovnik Radmila Nikolajević (Beograd, 2001. god.).
Professor Miroslav Draškoci opens the Fourth Scientific Conference „Professor Ivan Berkeš.” Working presidency: Dr. Aleksandra Poštić-Grujin and Colonel Radmila Nikolajević (Belgrade, 2001).

Na početku Naučne konferencije, Prof. dr Nadi Majkić-Singh, direktoru Instituta za medicinsku biohemiju Kliničkog centra Srbije, dr Miloš Jelić predsednik Jugoslovenskog akreditacionog tela – JUAT-a, uručio je Rešenje o akreditaciji, prema standardu JUS ISO 17025.



At the beginning of the Scientific Conference, Dr. Miloš Jelić, President of the Yugoslav Accreditation Body – JUAT, handed the Decision on Accreditation (according to the standard JUS ISO 17025) to Prof. Dr. Nada Majkić-Singh, Director of the Institute of Medical Biochemistry of the Clinical Center of Serbia.



Marija Stanojević prima nagradu Fonda od Profesor dr Nade Majkić-Singh.

Marija Stanojević receives the Foundation award from Professor Dr. Nada Majkić-Singh.



Ana Đurović prima nagradu Fonda od Profesor dr Nade Majkić-Singh.

Ana Đurović receives the Foundation award from Professor Dr. Nada Majkić-Singh.



Igor Berkeš i Ivan Berkeš na otvaranju Četvrte godišnje naučne konferencije.

Igor Berkeš and Ivan Berkeš at the opening of the Fourth Annual Scientific Conference.



Učesnici Četvrte godišnje naučne konferencije.

Participants of the Fourth Annual Scientific Conference.



Diploma

za vrhunski doprinos u oblastima
farmacije i medicinske biohemije

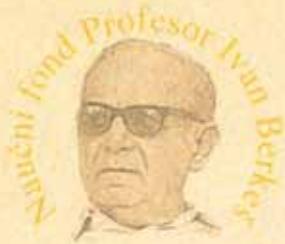
Ani Đurović

Beograd, 17. decembar 2001.



Predsednik
Društva medicinskih biohemičara Srbije


Prof. dr Nada Majkić-Singh



Diploma

za vrhunski doprinos u oblastima
farmacije i medicinske biohemije

Mariji Stanojević

Beograd, 17. decembar 2001.



Predsednik
Društva medicinskih biohemičara Srbije

Prof. dr Nada Majkić-Singh

Peta godišnja naučna konferencija održana je 22. novembra 2002. godine u hotelu Inter.Continental Beograd na kojoj su dodeljene nagrade iz Naučnog Fonda „Profesor Ivan Berkeš“:

ANĐELU BELETIĆU
(diplomiranom farmaceutu-
medicinskom biohemičaru)
i
ANI KORAĆ
(diplomiranom farmaceutu)

U okviru Naučne konferencije predavanja su održali Profesor Mathias M. Müller, predsednik IFCC-a, akademik Profesor Vladimir S. Kostić, Profesor Svetozar Damjanović i Asistent Duško Mirković.

Uz Naučnu konferenciju svečano su obeleženi jubileji Instituta za medicinsku biohemiju Kliničkog centra Srbije i to 50 godina Centralne laboratorije Medicinskog fakulteta u Beogradu, 15 godina Laboratorija u Poliklinici i Urgentnom centru Kliničkog centra Srbije i 10 godina Instituta za medicinsku biohemiju Kliničkog centra Srbije. O Institutu za medicinsku biohemiju Kliničkog centra Srbije govorila je direktor Instituta Prof. dr Nada Majkić-Singh.

The Fifth Annual Scientific Conference was held on November 22, 2002, at the „Inter.Continental Belgrade“ Hotel, with the Scientific Foundation „Professor Ivan Berkeš“ presenting the awards to:

ANĐELO BELETIĆ
(graduate pharmacist-
medical biochemist)
and
ANA KORAĆ
(graduate pharmacist)

As a part of the Scientific Conference, lectures were given by Professor Mathias M. Müller, IFCC President, Professor Vladimir S. Kostić, a member of the Academy of Science and Arts, Professor Svetozar Damjanović, and Assistant Professor Duško Mirković.

Along with the Scientific Conference, anniversaries of the Institute of Medical Biochemistry of the Clinical Center of Serbia, namely, 50th anniversary of Central Laboratory of the Faculty of Medicine in Belgrade, 15th anniversary of the Laboratory at the Polyclinic and the Emergency Center of the Clinical Center of Serbia, and 10th anniversary of the Institute of Medical Biochemistry of the Clinical Center of Serbia were celebrated. Prof. Dr. Nada Majkić-Singh, the Director of the Institute, spoke about the Institute for Medical Biochemistry of the Clinical Center of Serbia.



Ana Korać dobitnik nagrade na Petoj godišnjoj naučnoj konferenciji sa Nadom Majkić-Singh.

Ana Korać, an award winner at the Fifth Annual Scientific Conference with Nada Majkić-Singh.



Andjelo Beletić dobitnik nagrade na Petoj godišnjoj naučnoj konferenciji sa Nadom Majkić-Singh.
Andjelo Beletić an award winner at the Fifth Annual Scientific Conference with Nada Majkić-Singh.



Učesnici Pete godišnje naučne konferencije (Beograd, 2002. god.).

Participants of the Fifth Annual Scientific Conference (Belgrade, 2002).

Šesta godišnja naučna konferencija posvećena životu i delu Profesora Ivana Berkeša održana je u Beogradu 23. decembra 2003. godine. Nagrade iz Fonda „Profesor Ivan Berkeš“ dodeljene su najboljim studentima Farmaceutskog fakulteta u Beogradu za školsku 2002 /2003. godinu i to:

SRĐANU DRAGOVIĆU
(diplomiranom farmaceutu-
medicinskom biohemičaru)
i
IGORU POPOVIĆU
(diplomiranom farmaceutu)

The Sixth Annual Scientific Conference dedicated to the life and work of Professor Ivan Berkeš was held in Belgrade on December 23, 2003. Awards from the Foundation „Professor Ivan Berkeš“ were awarded to the best students of the Faculty of Pharmacy in Belgrade for the school year 2002/2003:

SRĐAN DRAGOVIĆ
(graduate pharmacist-medical biochemist)
and
IGOR POPOVIĆ
(graduate pharmacist)



Radno predsedništvo konferencije: Radmila Nikolajević, Milka Golubović (Beograd, 2003. god.).
The working presidency of the conference: Radmila Nikolajević, Milka Golubović (Belgrade, 2003).



Profesor dr Nada Majkić-Singh uručuje nagradu Igoru Popoviću.

Professor Dr. Nada Majkić-Singh presents the award to Igor Popović.



Profesor dr Nada Majkić-Singh uručuje nagradu Srđanu Dragoviću.

Professor Dr. Nada Majkić-Singh presents the award to Srđan Dragović.



Učesnici Šeste godišnje naučne konferencije.
Participants of the Sixth Annual Scientific Conference.



Srđan Dragović i Igor Popović sa Profesor dr Nadom Majkić-Singh i Profesor Svetlanom Ignjatović na Šestoj godišnjoj naučnoj konferenciji.

Srđan Dragović and Igor Popović with Professor Dr. Nada Majkić-Singh and Professor Svetlana Ignjatović at the Sixth Annual Scientific Conference.

Sedma godišnja naučna konferencija održana je 21. decembra 2004. godine. Nagrade iz Naučnog fonda „Profesor Ivan Berkeš dodeljene su:

ANI ĐORĐEVIĆ
(diplomiranom farmaceutu-
medicinskom biohemičaru)
i

MARIJI PETRONIJEVIĆ
(diplomiranom farmaceutu)

The Seventh Annual Scientific Conference was held on December 21, 2004. Awards of the Scientific Foundation „Professor Ivan Berkeš“ were awarded to:

ANA ĐORĐEVIĆ
(graduate pharmacist-
medical biochemist)
and

MARIJA PETRONIJEVIĆ
(graduate pharmacist)



Profesor Svetlana Ignjatović i Profesor Nada Majkić-Singh sa laureatima Anom Đorđević i Marijom Petronijević.

Professors Svetlana Ignjatović and Nada Majkić-Singh with laureates Ana Đorđević and Marija Petronijević.



Profesor Nada Majkić-Singh predaje nagradu Mariji Petronijević.

Professor Nada Majkić-Singh presents the award to Marija Petronijević.



Učesnici Sedme godišnje naučne konferencije (Beograd, 2004. god.).
Participants of the Seventh Annual Scientific Conference (Belgrade, 2004).



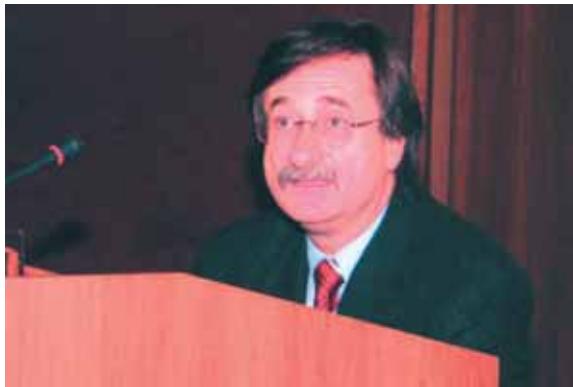
Učesnici Sedme godišnje naučne konferencije.
Participants of the Seventh Annual Scientific Conference.

Osma godišnja naučna konferencija posvećena životu i delu Profesora Ivana Berkeša održana je u Beogradu 23. decembra 2005. godine. Nagrade iz Fonda „Profesor Ivan Berkeš“ dodeljene su najboljim studentima Farmaceutskog fakulteta u Beogradu za školsku 2004/2005. godinu i to:

MARKU RACKOVIĆU
(diplomiranom farmaceutu-
medicinskom biohemičaru)
i
SLAĐANI STANOJKOVIĆ
(diplomiranom farmaceutu)

The Eighth Annual Scientific Conference dedicated to the life and work of Professor Ivan Berkeš was held in Belgrade on December 23, 2005. Awards of the „Professor Ivan Berkeš“ Foundation were awarded to the best students of the Faculty of Pharmacy in Belgrade for the school year 2004/2005:

MARKO RACKOVIĆ
(graduate pharmacist-
medical biochemist)
and
SLAĐANA STANOJKOVIĆ
(graduate pharmacist)



Prof. dr Darko Ivanović, dekan Farmaceutskog fakulteta pozdravlja učesnike.

Dean of the Faculty of Pharmacy, Prof. Dr. Darko Ivanović, greets participants.



Vesna Subota pozdravlja skup ispred Instituta za medicinsku biohemiju VMA.

Vesna Subota addresses the meeting on behalf of the Institute for Medical Biochemistry of the Military Medical Academy.



Radno predsedništvo Osme godišnje naučne konferencije: Profesor Svetlana Ignjatović i dr Aleksandra Poštić-Grujin (Beograd, 2005. god.).

The working presidency of the Eighth Annual Scientific Conference: Professor Svetlana Ignjatović and Dr. Aleksandra Poštić-Grujin (Belgrade, 2005).

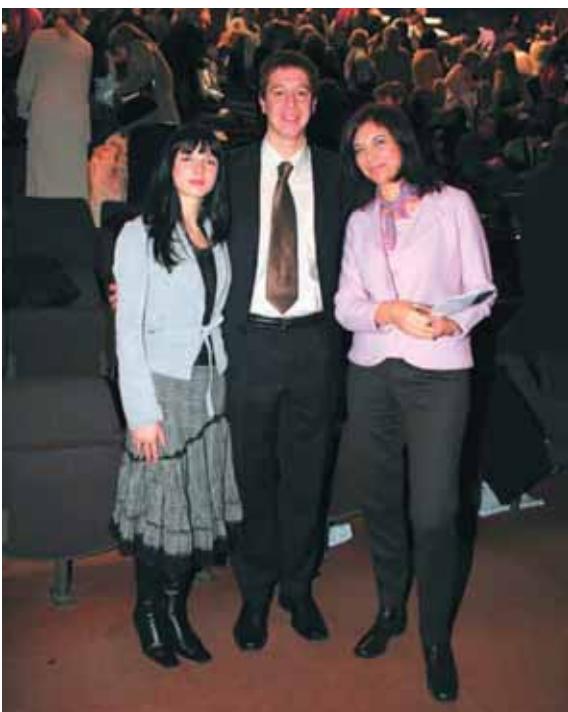


Slađana Stojković, diplomirani farmaceut, prima na-gradu „Naučnog fonda Ivan Berkeš”.

Slađana Stojković, a graduate pharmacist, receives the award of the Scientific Foundation „Professor Ivan Berkeš”.



Marko Racković, diplomirani farmaceut-medicinski biohemičar prima nagradu „Naučnog fonda Ivan Berkeš”.
Marko Racković, graduate pharmacist-medical bio-chemist, receives the award of the Scientific Foundation „Professor Ivan Berkeš”.



Slađana Stojković i Marko Racković sa Prof. Svetlanom Ignjatović.

Slađana Stojković and Marko Racković with Prof. Svetlana Ignjatović.



Učesnici Osme godišnje naučne konferencije.
Participants of the Eighth Annual Scientific Conference.



Učesnici Osme godišnje naučne konferencije.
Participants of the Eighth Annual Scientific Conference.



Ivan Berkeš i Igor Berkeš na otvaranju Osme godišnje naučne konferencije.

Ivan Berkeš and Igor Berkeš at the opening of the Eighth Annual Scientific Conference.

Deveta godišnja naučna konferencija posvećena životu i delu Profesora Ivana Berkeša održana je u Beogradu 7. decembra 2006. godine. Nagrade iz „Fonda Profesor Ivan Berkeš“ dodeljene su najboljim studentima Farmaceutskog fakulteta u Beogradu za školsku 2005/2006. godinu i to:

TIJANI KRNJETI
(diplomiranom farmaceutu-
medicinskom biohemičaru)
i
DRAGANI TAŠIĆ
(diplomiranom farmaceutu)

The Ninth Annual Scientific Conference dedicated to the life and work of Professor Ivan Berkeš was held in Belgrade on December 7, 2006. Awards from the „Professor Ivan Berkeš“ Foundation were awarded to the best students of the Faculty of Pharmacy in Belgrade for the school year 2005/2006:

TIJANA KRNJETA
(graduate pharmacist-
medical biochemist)
and
DRAGANA TAŠIĆ
(graduate pharmacist)



Prof. dr Branko Gligić pozdravlja skup ispred Vojnomedicinske akademije (Beograd, 2006. god.).
Prof. Dr. Branko Gligić welcomes the participants on behalf of the Military Medical Academy (Belgrade, 2006).



Predsedavajući na Devetoj godišnjoj naučnoj konferenciji: Profesor Svetlana Ignjatović i dr Janko Pejović.

Chairs of the Ninth Annual Scientific Conference:
Professor Svetlana Ignjatović and Dr. Janko Pejović.



Prof. dr Branislava Miljković, prodekan Farmaceutskog fakulteta pozdravlja učesnike.

Prof. Dr. Branislava Miljković, Vice Dean of the Faculty of Pharmacy, welcomes participants.



Tijana Krnjeta, diplomirani farmaceut-medicinski biohemičar prima nagradu Naučnog fonda „Profesor Ivan Berkeš”.
Tijana Krnjeta, graduate pharmacist-medical biochemist, receives the award of the Scientific Foundation
„Professor Ivan Berkeš”.



Dragana Tašić, diplomirani farmaceut prima nagradu Naučnog fonda „Profesor Ivan Berkeš”.
Dragana Tašić, a graduate pharmacist, receives the award of the Scientific Foundation „Professor Ivan Berkeš”.



Učesnici Devete godišnje naučne konferencije.
Participants of the Ninth Annual Scientific Conference.



Profesor Nada Majkić-Singh sa Tijanom Krnjetom i Dragom Tašić na Devetoj godišnjoj naučnoj konferenciji.
Professor Nada Majkić-Singh with Tijana Krnjeta and Dragana Tašić on the Ninth Annual Scientific Conference.

Deseta godišnja naučna konferencija posvećena životu i delu Profesora Ivana Berkeša održana je u Beogradu 4. decembra 2007. godine. Nagrade iz Fonda „Profesor Ivan Berkeš“ dodeljene su najboljim studentima Farmaceutskog fakulteta u Beogradu za školsku 2006/07. godinu i to:

MIRONU SOPIĆU
(diplomiranom farmaceutu-
medicinskom biohemičaru)
i
IVANI KOĆIĆ
(diplomiranom farmaceutu)

The Tenth Annual Scientific Conference dedicated to the life and work of Professor Ivan Berkeš was held in Belgrade on December 4, 2007. Awards of the „Professor Ivan Berkeš“ Foundation were awarded to the best students of the Faculty of Pharmacy in Belgrade for the school year 2006/2007:

MIRON SOPIĆ
(graduate pharmacist-
medical biochemist)
and
IVANA KOĆIĆ
(graduate pharmacist)



Dolazak general-majora Prof. dr Miodraga Jevtića, načelnika VMA na Desetu godišnju naučnu konferenciju sa dr Jankom Pejovićem i Prof. dr Đokom Maksićem (Beograd, 2007. god.).

The arrival of Major General Prof. Dr. Miodrag Jevtić, Head of the Military Medical Academy at the Tenth Annual Scientific Conference with Dr. Janko Pejović and Prof. Dr. Đoko Maksić (Belgrade, 2007).



Prof. dr Nada Kovačević, dekan Farmaceutskog fakulteta obraća se učesnicima Desete godišnje naučne konferencije.

Prof. Dr. Nada Kovačević, Dean of the Faculty of Pharmacy, addresses the participants of the Tenth Annual Scientific Conference.



Miron Sopić i Ivana Kocić dobitnici nagrade na Desetoj godišnjoj naučnoj konferenciji sa Profesor Nadom Majkić-Singh i Profesor Nadom Kovačević.

Award-winning students, Miron Sopić and Ivana Kocić, at the Tenth Annual Scientific Conference with Professor Nada Majkić-Singh and Professor Nada Kovačević.

Jedanaesta godišnja naučna konferen-cija održana je 4. decembra 2008. godine. Nagrade iz Naučnog fonda „Profesor Ivan Berkeš“ dodeljene su:

JELENI PAREZANOVIĆ
(diplomiranom farmaceutu-
medicinskom biohemičaru)
i
GORDANI DRAGANAC
(diplomiranom farmaceutu)

The Eleventh Annual Scientific Con-ference was held on December 4, 2008. The awards of the Scientific Foundation „Professor Ivan Berkeš“ were awarded to:

JELENA PAREZANOVIĆ
(graduate pharmacist-
medical biochemist)
and
GORDANA DRAGANAC
(graduate pharmacist)



Prof. Svetlana Ignjatović i Dr Branimir Radosavljević na Jedanaestoj godišnjoj naučnoj konferenciji (Beograd, 2008. god.).

Prof. Svetlana Ignjatović and Dr. Branimir Radosavljević at the Eleventh Annual Scientific Conference (Belgrade, 2008).



Dobitnici nagrade na Jedanaestoj godišnjoj naučnoj konferenciji (s leva na desno): Janko Pejović, Gordana Draganac, Svetlana Ignjatović, Jelena Parezanović, Nada Majkić-Singh i Velibor Canić.
The laureates of the Eleventh Annual Scientific Conference (left to right): Janko Pejović, Gordana Draganac, Svetlana Ignjatović, Jelena Parezanović, Nada Majkić-Singh and Velibor Canić.

Dvanaesta godišnja naučna konferencija
održana je 1. decembra 2009. godine.
Nagrade iz Naučnog fonda „Profesor Ivan
Berkeš“ dodeljene su:

JELENI PANTIĆ
(diplomiranom farmaceutu-
medicinskom biohemičaru)
i
VLADIMIRU DOBRIČIĆU
(diplomiranom farmaceutu)

The Twelfth Annual Scientific Conference
was held on December 1, 2009. The awards
of the Scientific Foundation „Professor Ivan
Berkeš“ were awarded to:

JELENA PANTIĆ
(graduate pharmacist-
medical biochemist)
and
VLADIMIR DOBRIČIĆ
(graduate pharmacist)



Diploma

za vrhunski doprinos u oblastima
farmacije i medicinske biohemije

Jeleni Pantić

Beograd, 1. decembar 2009.



Predsednik
Društva medicinskih biohemičara Srbije
Prof. dr Nada Majkić-Singh



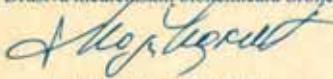
Diploma

za vrhunski doprinos u oblastima
farmacije i medicinske biohemije

Vladimiru Dolričiću

Beograd, 1. decembar 2009.



Predsednik
Društva medicinskih biohemičara Srbije

Prof. dr Nada Majkić-Singh

U Beogradu je 16. novembra 2010. godine održana **Trinaesta godišnja naučna konferencija** posvećena 100-godišnjici rođenja Profesora Ivana Berkeša u okviru koje su stručnjaci iz Beograda (N. Majkić-Singh), Zagreba (S. Margetić) i Skoplja (S. Efremova-Aaron) u kojima je Profesor Ivan Berkeš živeo i radio, održali svoja predavanja. Takođe su tradicionalno iz Naučnog fonda „Profesor Ivan Berkeš“ dodeljene diplome i novčane nagrade najboljim studentima Farmaceutskog fakulteta u Beogradu i to:

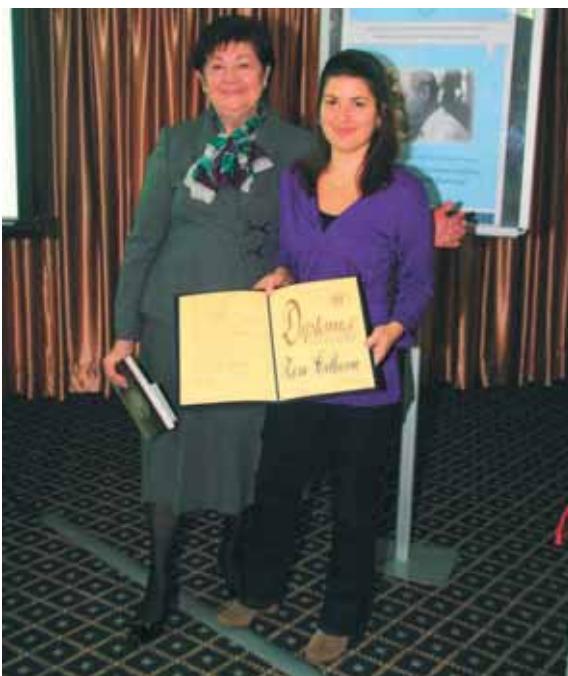
JELENI JOKSIĆ

(diplomiranom farmaceutu-
medicinskom biohemičaru)

i

ZORI ĆETKOVIĆ

(diplomiranom farmaceutu)



Zora Ćetković prima diplomu od Profesor Nade Majkić-Singh (Beograd, 2010. god.).

Zora Ćetković receives a diploma from Professor Nada Majkić-Singh (Belgrade, 2010).

The Thirteenth Annual Scientific Conference was held in Belgrade on November 16, 2010. It was dedicated to the 100th anniversary of the birth of Professor Ivan Berkeš, with the participation and presentations of experts from Belgrade (N. Majkić-Singh), Zagreb (S. Margetić), and Skopje (S. Efremova-Aaron), where Professor Ivan Berkeš lived and worked. Also, traditional awards of the Scientific Foundation „Professor Ivan Berkeš“ were awarded – monetary awards and diplomas to the best students of the Faculty of Pharmacy in Belgrade:

JELENA JOKSIĆ

(graduate pharmacist-medical biochemist)

and

ZORA ĆETKOVIĆ

(graduate pharmacist)



Jelena Joksić prima diplomu od Profesor Nade Majkić-Singh (Beograd, 2010. god.).

Jelena Joksić receives a diploma from Professor Nada Majkić-Singh (Belgrade, 2010).



Jelena Joksić i Zora Ćetković dobitnici nagrade na Trinaestoj godišnjoj naučnoj konferenciji sa Profesor Nadom Majkić-Singh.

Award-winning students, Jelena Joksić and Zora Ćetković, at the Thirteenth Annual Scientific Conference with Professor Nada Majkić-Singh.



Igor Berkeš pozdravlja učesnike Naučne konferencije.
Igor Berkeš greets the participants of the Scientific Conference.



Predavači na Naučnoj konferenciji (s leva na desno): J. Bašić, S. Stanković, N. Majkić-Singh i S. Efremova-Aaron.
Lecturers at the Scientific Conference (left to right): J. Bašić, S. Stanković, N. Majkić-Singh and S. Efremova-Aaron.

The XIV Annual Scientific Conference „Professor Ivan Berkeš” was held on December 1st 2011 at Military Medical Academy in Belgrade.

This year the Foundation gave four diplomas and monetary awards: two to students graduated according to previous school system:

MILENA ANĐELKOVIĆ
(Pharmacy-medical
biochemistry graduate)
and
MLADEN MILOVIĆ
(Pharmacy graduate)

and two to „Bologna graduates” –

ANA MILOJEVIĆ
(Master of pharmacy-
medical biochemist)
and
SANELA ĐORĐEVIĆ
(Master of pharmacy).

As it is customary, the lecturers were clinical laboratory professionals who have defended their doctoral thesis in the course of the past year at the Faculty of Pharmacy and Faculty of Medicine. This year, they were: Dr. Janko Pejović (Military Medical Academy, Belgrade), Dr. Marijana Dajak (Faculty of Pharmacy, University of Belgrade), Dr. Jasenka Laloš-Miljuš (Faculty of Medicine, University of Banja Luka) and Dr. Jelena Popović (Faculty of Medicine, University of Niš).

This Annual Scientific Conference and Foundation „Professor Ivan Berkeš” was established to honor life and work of Professor Ivan Berkeš, one of the founders of medical biochemistry in former Yugoslavia.

He taught medical biochemistry at Universities in Zagreb, Skopje and Belgrade. His work at the Faculty of Pharmacy of the University of Belgrade was in great part directed towards the definition and foundation of the specialist studies program. Also, Professor Berkeš introduced Clinical Enzymology as an independent discipline. With over 200 publications, mentoring of 150 specialists in medical biochemistry and several tens of doctoral candidates, Professor Berkeš left an indelible mark in clinical laboratory profession in Serbia. After his death in 1997, the Society of Medical Biochemists of Yugoslavia and the Faculty of Pharmacy of the University of Belgrade founded the Scientific Foundation and Annual Scientific Conference named after him, as a sign of appreciation and respect for this remarkable teacher and eminent expert.

Awards from the Scientific Foundation „Professor Ivan Berkeš” are given yearly to the two best graduate students from the Faculty of Pharmacy of the University of Belgrade, one graduate in pharmacy, and the other in medical biochemistry. However 2011 called for a special event as the first students graduated according to the new syllabus harmonized with the Bologna declaration. Hence, this year the Foundation gave four diplomas and monetary awards; two to students graduated according to previous school system – Mladen Milović (pharmacy graduate) and Milena Anđelković (pharmacy-medical biochemistry graduate), and two to „Bologna graduates” – Sanela Đorđević (Master of Pharmacy) and Ana Milojević (Master of Pharmacy-medical biochemistry).

After the traditional welcoming address of Colonel Professor Marijan Novaković, Head of Military Medical Academy, and of Professor Nada Kovačević, Dean of Faculty of Pharmacy and Chair of the event, Professor Dr. Nada Majkić-Singh, presented awards.

With this successful conference, we remembered once again, the legacy of Professor Ivan Berkeš, whose students represent the core of science of medical biochemistry and clinical laboratory practice in Serbia today.



Nagrađeni studenti sa Dekanom i Profesorima Farmaceutskog fakulteta (s leva na desno): Milena Andelković, Profesor Nada Majkić-Singh, Profesor Nada Kovačević, Sanela Đorđević, Ana Milojević, Profesor Svetlana Ignjatović (Beograd, 2011. god.).

Awarded students with the Dean and Professors of Faculty of Pharmacy (from left to right): Milena Andelković, Professor Nada Majkić-Singh, Professor Nada Kovačević, Sanela Đorđević, Ana Milojević, Professor Svetlana Ignjatović (Belgrade, 2011).

The XV Annual Scientific Conference „Professor Ivan Berkeš“ was held on December 4th 2012 at Military Medical Academy in Belgrade. After the traditional welcoming address of colonel Prof. Dr. Marijan Novaković, Head of Military Medical Academy, and Prof. Dr. Zorica Vujić, Dean of Faculty of Pharmacy, the chair of the event, Prof. Dr. Nada Majkić-Singh, together with the President of the SMBS, Dr. Zorica Šumarac, presented awards of the Foundation. This year's recipients were:

MLADEN STANKOV,
(Master of pharmacy-medical biochemist)
and
MARIJA TODOSIJEVIĆ
(Master of pharmacy).

Scientific Conference dedicated to the life of and work of the esteemed Prof. Dr. Ivan Berkeš, one of the founders of medical biochemistry in Yugoslavia, is organized every year under the auspices of the Society of Medical Biochemists of Serbia (SMBS), Scientific Foundation „Professor Ivan Berkeš“, Institute for Medical Biochemistry of the Clinical Center of Serbia, and Institute for Medical Biochemistry of the Military Medical Academy. The Conference is the occasion when the best graduate students of the Faculty of Pharmacy, University of Belgrade are awarded by the Scientific Foundation „Professor Ivan Berkeš“.

During the scientific part of the program, traditionally, this year's defended doctoral thesis at the Faculty of Pharmacy and Faculty of



Dobitnici nagrade Fonda na Petnaestoj godišnjoj naučnoj konferenciji: Mladen Stankov i Marija Todosijević sa Zoricom Šumarac, Svetlanom Ignjatović i Nadom Majkić-Singh (Beograd 2012. god.).

Recipients of the Scientific Foundation awards on 15th Annual Scientific Conference: Mladen Stankov and Marija Todosijević with Zorica Šumarac, Svetlana Ignjatović and Nada Majkić-Singh (Belgrade 2012).

Medicine of the Universities of Belgrade and Niš were presented.

The opening lecture entitled „Enzymes: small machines in our life,” was presented by Prof. Dr. N. Nuray Ulusu from Ankara, Turkey. The four doctorates were presented by Dr. Zorica Šumarac (Faculty of Pharmacy, University of Belgrade), Dr. Radmila Obrenović (Faculty of Pharmacy, University of Belgrade), Dr. Sanja Stanković (Faculty of Pharmacy, University of Belgrade) and Dr. Zorica Dimitrijević (Faculty of Medicine, University of Niš), while Dr. Emina Čolak (Faculty of Pharmacy, University of Belgrade) presented her subspecialist thesis. The conference was closed with the promotion of the book „Clinical Enzymology” by Prof. Dr. Nada Majkić-Singh.

The XVI Annual Scientific Conference „Professor Ivan Berkeš” was held on December 4th 2013 at Military Medical Academy in Belgrade. After the traditional welcoming address of Brigade General Prof. Dr. Marijan Novaković, Head of Military Medical Academy, and of Prof. Dr. Nataša Bogavac-Stanojević, Vice Dean of University of Belgrade School of Pharmacy, Dr. Zorica Šumarac, President of the Society of Medical Biochemists of Serbia, and Prof. Dr. Nada Majkić-Singh, Executive Director of the Society and Organizer of Scientific Conference, presented awards.

Awards from the Scientific Foundation „Professor Ivan Berkeš” are given yearly to the two best graduate students from the University of Belgrade School of Pharmacy.

This years’ awards were presented to:

SANJA VUČKOVIĆ,
(Master of pharmacy-
medical biochemist)
and
BILJANA ŠKORIĆ,
(Master of Pharmacy)

Scientific program of the Conference was dedicated to the presentation of doctoral thesis defended in the field of medical biochemistry at Schools of Pharmacy and Schools of Medicine of the Universities of Belgrade, Niš, and Novi Sad during the past year. This year’s four doctorates were „Factor analysis and association of lipid, inflammatory, cardiac, and renal biomarkers with C-reactive protein in cardiovascular risk categorization” presented by Dr. Snežana Jovičić, (School of Pharmacy, University of Belgrade), „Biomarkers of apoptosis and cell signaling in colon cancer pathogenesis” by Dr. Aleksandar Veljković (School of Medicine, University of Niš), „Correlation of biomarkers of lipid status, oxidative stress, and lifestyle changes in a student population” by Dr. Dragana Pap (School of Medicine, University of Novi Sad), and “Application of multi-marker approach to risk stratification among patients on dialysis” by Dr. Aleksandra Ignjatović (School of Medicine, University of Niš).

With this successful conference, medical biochemists of Serbia remembered once again, the legacy of Professor Ivan Berkeš, whose students represent the core of science of medical biochemistry and clinical laboratory practice in Serbia today.



S leva na desno: Ivan Berkeš unuk Prof. dr Ivana Berkeša, Prof. dr Nada Majkić-Singh, nagrađeni studenti – Biljana Škorić i Sanja Vučković, Prof. dr Svetlana Ignjatović i dr Zorica Šumarac (Beograd 2013. god.).

From left to right: Ivan Berkeš grandson of Prof. Dr. Ivan Berkeš, Prof. Dr. Nada Majkić-Singh, awarded students – Biljana Škorić and Sanja Vučković, Prof. Dr. Svetlana Ignjatović and Dr. Zorica Šumarac (Belgrade 2013).



Predavači Naučne konferencije (s leva na desno): dr Zorica Šumarac, dr Aleksandra Ignjatović, dr Dragana Pap, Prof. dr Nada Majkić-Singh, dr Janko Pejović, prof. dr Svetlana Ignjatović, dr Snežana Jovičić i dr Aleksandar Veljković.
Scientific Conference Speakers (from left to right) – Dr. Zorica Šumarac, Dr. Aleksandra Ignjatović, Dr. Dragana Pap, Prof. Dr. Nada Majkić-Singh, Dr. Janko Pejović, Prof. Dr. Svetlana Ignjatović, Dr. Snežana Jovičić and Dr. Aleksandar Veljković.

The XVII Annual Scientific Conference „Professor Ivan Berkeš” was held on December 2nd 2014 at Military Medical Academy in Belgrade. This Annual Scientific Conference and Foundation „Professor Ivan Berkeš”, were established seventeen years ago to honor life and work of Professor Ivan Berkeš. He was one of the founders of medical biochemistry in former Yugoslavia and left an indelible trace in the basis of our profession. At the Faculty of Pharmacy University of Belgrade Professor Berkeš established the syllabus for post-graduate specialization in medical biochemistry. With over 200 publications, mentoring of 150 specialists in medical biochemistry and several tens of doctoral candidates, he immensely contributed to the development of clinical laboratory profession in Serbia. For the past seventeen years the

Society of Medical Biochemists of Serbia (SMBS) and the Faculty of Pharmacy University of Belgrade honor his work through the Scientific Foundation and Annual Scientific Conference as a sign of appreciation and respect for this remarkable teacher and eminent expert. The Conference is organized under the auspices of the SMBS, Scientific Foundation „Professor Ivan Berkeš”, Faculty of Pharmacy University of Belgrade, Institute for Medical Biochemistry of the Clinical Centre of Serbia, and Institute for Medical Biochemistry of the Military Medical Academy.

The XVII Annual Scientific Conference „Professor Ivan Berkeš” was opened traditionally with the welcoming address of Prof. Dr. Nada Majkić-Singh, Executive Director of SMBS, the Brigade General Prof. Dr. Marjan Nova-



Laureati nagrađeni na Sedamnaestoj godišnjoj naučnoj konferenciji Dušan Ružić i Sanja Kandić sa Prof. dr Nadom Majkić-Singh (Beograd, 2014. god.).

Laureats awarded on the Seventeenth Annual Scientific Conference Dušan Ružić and Sanja Kandić with Professor Nada Majkić-Singh (Belgrade, 2014).

ković, Head of Military Medical Academy, and Prof. Dr. Zorica Vujić, Dean of Faculty of Pharmacy University of Belgrade.

Awards from the Scientific Foundation „Professor Ivan Berkeš”, given yearly to the two best graduate students from the Faculty of Pharmacy, were presented to:

SANJA KANDIĆ
(Master of Pharmacy-
medical biochemist)
and
DUŠAN RUŽIĆ
(Master of Pharmacy)

After the opening ceremony the scientific part of the Conference was traditionally dedicated to the presentation of doctoral thesis defended in the field of medical biochemistry at Faculty of Pharmacy during the past year. This year's doctorates were „The association of oxidative stress, inflammation and dyslipidemia in the pathogenesis of age-related macular degeneration,” presented by Dr. Emina Čolak, „The importance preoperative and postoperative determination sepsis biomarkers for diagnosis and prognosis intraabdominal infections,” by dr Tatjana Vodnik, „Influence of inherited and



Laureati i organizatori Sedamnaeste naučne konferencije sa načelnikom Vojnomedicinske akademije generalom Prof. dr Marjanom Novakovićem (s leva na desno): Sanja Kandić, Nada Majkić-Singh, Dušan Ružić, Zorica Šumarac, Janko Pejović i Svetlana Ignjatović.

Laureats and organisers of the Seventeenth Scientific Conference with Brigade General Professor Marjan Novaković. From left to right: Sanja Kandić, Nada Majkić-Singh, Dušan Ružić, Zorica Šumarac, Janko Pejović and Svetlana Ignjatović.

acquired factors on homocysteine blood level in patients with chronic obstructive pulmonary disease," by Dr. Andjelo Beletić, "Gene expression analyses of antioxidative enzymes in rats' tissues and human blood: the influence of external factors and correlation with biochemical markers of oxidative stress" by Dr. Ana Ninić, "The significance of determination of symmetric-L-dimethylarginine and N-terminal pro B type natriuretic peptide in chronic kidney disease patients and renal transplant recipients" by Dr. Lidija Memon, and "Importance of pentraxin-3 determination in patients with angiographically proven coronary artery disease" by Dr. Vesna Vuković-Dejanović. The last lecture closed the XVII Annual Scientific Conference, leaving us assured in the bright future of medical biochemistry in Serbia thanks to the solid foundation Professor Berkeš left us with.

The Eighteenth in a row scientific conference „Professor Ivan Berkeš” was organized, as usual, by the Executive Director of the Society of Medical Biochemists of Serbia and the successor of Professor Berkeš in leading and guidance of Serbian Medical Biochemistry in the last thirty years, Professor Dr. Nada Majkić-Singh.

The annual activities of Society of Medical Biochemists of Serbia are traditionally wrapped up in December with the scientific conference dedicated to the life and work of one of the most prominent figures in medical biochemistry science and profession in former Yugoslavia. In this way, on December 03, 2015, Serbian medical bio-

chemistry professionals remembered for the eighteenth time, their esteemed mentor and founder, since Professor Berkeš established post graduate program in medical biochemistry at the University of Belgrade School of Pharmacy. Under his leadership, several dozen candidates got their Master of Science and Doctoral degrees, and over 150 medical biochemists obtained their specialist degrees. Professor Berkeš authored over 200 papers in leading international and national journals, and several books.

The conference was held under the patronage of the Society of Medical Biochemists of Serbia, Scientific Foundation „Professor Ivan Berkeš”, and the Institute of Medical Biochemistry, Military Medical Academy. The chairs were Professor Svetlana Ignjatović, dr Janko Pejović, and dr Zorica Šumarac. Representative of the Head of the Military Medical Academy, colonel Professor Zoran Šegrt welcomed the gathering and expressed his great admiration for medical biochemistry profession and honor for being the host of this important event for the eighteenth time. After the welcoming word of the Vice-Dean for Education of the University of Belgrade School of Pharmacy, Professor Marina Milenković, who emphasized the significance of Professor Berkeš's work and the scientific conference, the awards of the Scientific Foundation were delivered to the best pharmacy students that graduated in the past year. This was also the part of tradition, since Scientific Foundation „Professor Ivan Berkeš” was established by the Society of Medical Biochemists of Serbia to support and award valedictorians of the two graduate programs of the University of Belgrade School of Pharmacy.



Profesor Nada Majkić Singh otvara Naučnu konferenciju (Beograd, 2015. god.).

Professor Nada Majkić-Singh addresses to the Scientific Conference participants (Belgrade, 2015).



Pukovnik Profesor Zoran Šegrt, načelnik Vojnomedicinske Akademije pozdravlja učesnike Konferencije.

Colonel Professor Zoran Šegrt, Head of the Military Medical Academy welcome the Conference participants.



Profesor Marina Milenković, Prodekan Farmaceutskog fakulteta se obraća učesnicima Konferencije.
Professor Marina Milenković, Vice-Dean of The Pharmaceutical Faculty addresses to the Conference participants.

This year's laureates were:

BRANISLAVA ŠUPLJEGLAV
(Master of pharmacy-medical biochemist)
and
MILAN MILOJEVIĆ
(Master of pharmacy)

The scientific program of the Conference included presentations of doctoral thesis defended in the field of medical biochemistry at School of Pharmacy and School of Medicine of the Universities of Belgrade during the past year. The lectures in the first section were mostly dedicated to the research of the oxidative stress biomarkers. Dr. Danijela Ardalić presented the results of her thesis on indicators of oxidative stress, lipid profile, and status of the enzyme paraoxonase 1 in pregnancy without com-

plication and after delivery. Indicators of oxidative stress and inflammation in chronic obstructive pulmonary disease patients with comorbidity was the topic of research presented by Dr. Ivana Stanojković. Dr. Nevena Kardum's thesis investigated the impact of aronia juice on oxidative status' biomarkers and fatty acid profile in healthy subjects with or without risk factors for cardiovascular disease. Dr. Danica Ćujić presented her research of the effect of steroid hormones and their antagonists on galectins' level in human trophoblast in vitro. The second section was mainly dedicated to research of the enzyme genetic polymorphisms. The role of genetic polymorphisms of glutathione transferases in the development of Balkan endemic nephropathy was the topic of research presented by dr Zorica



Laureat Branislava Šupljeglav sa Profesor Nadom Majkić-Singh i dr Zoricom Šumarac.
Laureat Branislava Šupljeglav with Profesor Nada Majkić-Singh and Dr. Zorica Šumarac.



Laureat Milan Milojević sa profesor Nadom Majkić-Singh i dr Zoricom Šumarac.
Laureat Milan Milojević with Professor Nada Majkić-Singh and Dr. Zorica Šumarac.



Dobitnici priznanja Osamnaeste godišnje naučne konferencije sa Marinom Milenković, Nadom Majkić-Singh, Zoranom Šegrtom, Svetlanom Ignjatović, Jankom Pejovićem i Zoricom Šumarac.

Laureats of the Eighteenth Annual Scientific Conference with Marina Milenković, Nada Majkić-Singh, Zoran Šegrt, Svetlana Ignjatović, Janko Pejović and Zorica Šumarac.

Reljić. The scientific conference was closed with the talk of Dr. Mirjana Milivojević on the clinical relevance of osteopontin in diagnosis of ovarian tumors.

All lectures initiated vivid discussion among the most recent PhDs and interested audience, which was essential for another successful conference worthy of the memory of a respected mentor and world-renowned scientist.

The Nineteenth Annual Scientific Conference „Professor Ivan Berkeš” was held on 1 December 2016, under the patronage of the Society of Medical Biochemists of Serbia, Scientific Foundation „Professor Ivan Berkeš”, and the Institute of Medical Biochemistry of the Military Medical Academy. The participants of the Conference were welcomed by the Dean of the Faculty of Medicine of the Military Medical Academy, colonel Professor Dr. Nebojša Jović who



Pukovnik Prof. dr Nebojša Jović, dekan Medicinskog fakulteta Vojnomedicinske Akademije pozdravlja učesnike i radno predsedništvo Konferencije, s leva na desno: Prof. dr Nada Majkić-Singh, Prof. dr Svetlana Ignjatović, Prof. dr Janko Pejović i dr Zorica Šumarac (Beograd, 2016. god.).

Colonel Prof. Dr. Nebojša Jović, the Dean of the Faculty of Medicine of the Military Medical Academy, welcoming the audience with the chairs of the Conference, from left to right: Prof. Dr. Nada Majkić-Singh, Prof. Dr. Svetlana Ignjatović, Prof. Dr. Janko Pejović, and Dr. Zorica Šumarac (Belgrade, 2016).



Prof.dr Zorica Vujić, dekan Farmaceutskog fakulteta u Beogradu pozdravlja učesnike Devetnaeste naučne konferencije „Profesor Ivan Berkes”.

Prof. Dr. Zorica Vujić, Dean of the Pharmaceutical Faculty of Belgrade University welcoming the audience of the 19th Annual Scientific „Professor Ivan Berkes” Conference.



Učesnici Devetnaeste naučne konferencije „Profesor Ivan Berkeš” na Vojnomedicinskoj Akademiji.
The audience of the 19th Annual Scientific „Professor Ivan Berkeš” Conference in Military Medical Academy Hall.

expressed his great admiration for medical biochemistry profession and honor for being the host of this important event for the nineteenth time, and the Dean of the Faculty of Pharmacy of the University of Belgrade, Professor Dr. Zorica Vujić, who emphasized the significance of Professor Berkeš's work and of this conference.

This year's laureates of the annual award of the Foundation were the valedictorians of the two graduate programs of the Faculty of Pharmacy University of Belgrade:

ALEKSANDRA TIJANIĆ
(Master of pharmacy-medical biochemist)
and
MARIJA BANIĆEVIĆ
(Master of pharmacy)

The scientific program of the Conference included presentations of doctoral thesis defended in the field of medical biochemistry at Faculty of Pharmacy University of Belgrade, Faculty of Biology University of Belgrade, and Faculty of Medicine University of Niš during the past year. Dr. Neda Milinković presented the results of her thesis on the significance of the determination of biomarkers of bone



Aleksandra Tijanić, magistar farmacije-medicinski biohemičar, laureat Naučnog Fonda „Profesor Ivan Berkeš“ sa Prof. dr Nadom Majkić-Singh i dr Zoricom Šumarac.

Aleksandra Tijanić, Master of Pharmacy-medical biochemist, the laureate of the Scientific Foundation „Professor Ivan Berkeš“ with Prof. Dr. Nada Majkić-Singh and Dr. Zorica Šumarac.



Marija Banićević, magistar farmacije, laureat Naučnog Fonda „Profesor Ivan Berkeš“ sa Prof. dr Nadom Majkić-Singh i dr Zoricom Šumarac.

Marija Banićević, Master of Pharmacy, the laureate of the Scientific Foundation „Professor Ivan Berkeš“ with Prof. Dr. Nada Majkić-Singh and Dr. Zorica Šumarac.



Radno predsedništvo Konferencije sa laureatima i predavačima dr Vesnom Subotom i dr Mironom Sopićem.
The chairs of the Conference with laureates and lecturers, dr Vesna Subota and dr Miron Sopić.

resorption and formation in patients with end stage renal disease. Association between COMT, TNF- α , TNFR1, IL-1, and IL-10 genetic polymorphisms with a risk of early pre-eclampsia and it's complication was the topic of research presented by Dr. Tijana Krnjeta, who was herself the laureate of the Foundation in the past. Dr. Gordana Dmitrašinović presented her thesis on the effect of magnesium on parameters of hypothalamic-pituitary-adrenal and hypothalamic-pituitary-gonadal axis activity in rugby players. The first section was closed with the presentation of Dr. Vesna Subota on immunomodulatory effects of anticoagulant warfarin in rats. The second section was opened with research results of Dr. Milica Despotović on polymorphisms in

genes involved in inflammatory, antioxidative and immunoregulatory processes in patients with bronchial asthma. Another past laureate of the Foundation, Dr. Miron Sopić, presented his thesis on gene expression of adiponectin receptors AdipoR1 and AdipoR2, and adiponectin levels in blood of coronary disease patients and chronic kidney disease patients. The scientific conference was closed with the talk of Dr. Jasmina Ivanišević on the examination of inflammatory, oxidative stress and lipid status parameters in sarcoidosis patients. All lectures initiated vivid discussion among the most recent PhDs and interested audience, which was essential for another successful conference worthy of the memory of a respected Professor Ivan Berkeš.

The Twentieth Annual Scientific Conference was organized traditionally by Professor Dr. Nada Majkić-Singh, Professor Berkeš' student and associate, who contributed the most to the remembrance of his legacy. The Conference was held 7 December 2017 at Faculty of Pharmacy, University of Belgrade, under the patronage of the Society of Medical Biochemists of Serbia, Scientific Foundation „Professor Ivan Berkeš“ and the Faculty of Pharmacy University of Belgrade. It gathered over 200 participants – students, older colleagues who were the students of Professor Berkeš, young graduated medical biochemists, and teachers of the Faculty of Pharmacy. Traditional guests were the family members

of Professor Berkeš – his son and grandson, with their families.

Professor Dr. Nada Majkić-Singh opened the Conference, with the opening welcome and word on its history and significance. On behalf of the Faculty of Pharmacy, the participants were welcomed by the Vice Dean, Professor Nataša Bogavac-Stanojević. After the opening words, the choir of students „The Raskovnik“ performed, adding the festivity to the event.

The opening ceremony was closed by awarding the valedictorians of the two graduate programs of the Faculty of Pharmacy University of Belgrade:



Hor studenata Farmaceutskog fakulteta „Raskovnik“ kojim diriguje Đorđe Perović uz pijanistu Vladimira Vujovića.
Choir of students of Faculty of Pharmacy „Raskovnik“; the conductor Đorđe Perović, on the piano Vladimir Vujović.



Članovi porodice profesora Berkeša i učesnici na Konferenciji.
Family of Professor Berkeš and audience at the Conference.

TAMARA ANTONIĆ,
(Master of Pharmacy-
medical biochemist)
and
SANDRA TEŠIĆ
(Master of Pharmacy)

Prof. Dr. Nada Majkić-Singh and Professor Marina Milenković, the Vice Dean for Education, handed the awards to this year's laureates.

Professor Svetlana Ignjatović and Professor Vesna Spasojević-Kalimanovska chaired the scientific part of the Conference. The program encompassed all of the three fields of the medical biochemistry curriculum – medical biochemistry, toxicological chemistry and

sanitary chemistry. In the first part, the results of the ongoing scientific projects of the Faculty of Pharmacy and Ministry of Science, Education and Technological Development were presented. The speakers were Professor Aleksandra Zeljković (Assessment of LCAT and CETP activities as a tool for estimation of structural and functional properties of HDL particles) and Professor Mirjana Bećarević (Diagnostic and therapy of anti phospholipid syndrome). The second part was dedicated to the presentation of doctoral thesis presentations. Dr. Marina Pjanović presented her work on bone formation markers and vitamin D in pregnancy. Metabolic and immunological effects of administration of two Lactobacillus



Laureat Naučnog Fonda „Profesor Ivan Berkeš“ Tamara Antonić sa Profesor Marinom Milenković (levo) i Profesor Nadom Majkić-Singh (desno).

Laureate of the „Professor Ivan Berkeš“ Scientific Foundation, Tamara Antonić (in the middle) with Professor Marina Milenković (left) and Professor Nada Majkić-Singh (right).



Laureat Fonda "Profesor Ivan Berkeš" Sandra Tešić sa Profesor Marinom Milenković (levo) i Profesor Nadom Majkić-Singh (desno).

Laureate of the „Professor Ivan Berkeš“ Scientific Foundation, Sandra Tešić (in the middle) with Professor Marina Milenković (left) and Professor Nada Majkić-Singh (right).



Učesnici u načnom delu Konferencije sa laureatima (s leva na desno): asistent Milica Miljković, Profesor Aleksandra Zeljković, Profesor Vesna Matović, Profesor Vesna Spasojević-Kalimanovska, Profesor Nataša Bogavac-Stanojević, Tamara Antonić, Profesor Marina Milenković, Profesor Nada Majkić-Singh, Sandra Tešić, Profesor Mirjana Bećarević, Profesor Svetlana Ignjatović.

Participants in the scientific part of the Conference with laureates (from left to right): assistant Milica Miljković, Professor Aleksandra Zeljković, Professor Vesna Matović, Professor Vesna Spasojević-Kalimanovska, Professor Nataša Bogavac-Stanojević, Tamara Antonić, Professor Marina Milenković, Professor Nada Majkić-Singh, Sandra Tešić, Professor Mirjana Bećarević, Professor Svetlana Ignjatović.



Profesor Nada Majkić-Singh i Sofija Marjanović sa studentima iz Tima medicinskih biohemičara (TMB). Professor Nada Majkić-Singh and Sofija Marjanović with students from Team of Medical Biochemists Students (TMB).

strains in mice fed a high fat diet were presented by Dr. Ana Đurić. The Conference was closed with the presentation on the study on rats of cadmium and polychlorinated biphenyls mixture toxicity by Dr. Aleksandra Buha-Đorđević.

Tweenty first Annual Scientific Conference was held on December 6, 2018 at Faculty of Pharmacy, University of Belgrade. Scientific Conference dedicated to the life and work of the esteemed Prof. Dr. Ivan Berkeš, one of the founders of medical biochemistry in former Yugoslavia, is organized for twenty one

years now under the auspices of the Society of Medical Biochemists of Serbia (SMBS), and Scientific Foundation „Professor Ivan Berkeš“. The Conference is the occasion when the best graduate students of the Faculty of Pharmacy, University of Belgrade are awarded by the Scientific Foundation „Professor Ivan Berkeš“. The 2018 Annual Scientific Conference „Professor Ivan Berkeš“ is the second co-organized and hosted by the Faculty of Pharmacy, University of Belgrade. It gathered over 200 participants—students, older colleagues who were the students of Professor Berkeš, young graduated



Muzički bend Farmaceutskog fakulteta na otvaranju Konferencije.
Pharmacy students' musical band oppening the Conference.



Profesor Nada Majkić-Singh se obraća učesnicima
Naučne konferencije Profesor Ivan Berkeš.
Professor Nada Majkić-Singh address to Professor
Berkeš Scientific Conference participants.



Profesor Slađana Šobajić se obraća učesnicima
Naučne konferencije profesor Ivan Berkeš.
Professor Slađana Šobajić, Faculty of Pharmacy Dean
address to the Conference participants.



Predsedavajući Konferencije: Nada Majkić-Singh, Vesna Spasojević-Kalimanovska, Svetlana Ignjatović i Zorica
Šumarac.
Conference presidents: Nada Majkić-Singh, Vesna Spasojević-Kalimanovska, Svetlana Ignjatović and Zorica
Šumarac.

medical biochemists, and teachers of the Faculty of Pharmacy. Traditional guests were the family members of Professor Berkeš – his son and grandson, with their families. This traditional meeting of students and professors of the Faculty of Pharmacy, honouring the legacy of one of its most distinguished professors was held on 6 December 2018.

After the opening words of the organizer, Prof. Dr. Nada Majkić-Singh, the musical band of pharmacy students performed, adding the festivity to the event. Following the welcoming address of the Dean Prof. Dr. Sladana Šobajić, Prof. Dr. Majkić-Singh, together with the President of the SMBS, Dr. Zorica Šumarac, presented awards of the Foundation.

This year's recipients were:

JELENA PAVLOVIĆ
(Master of Pharmacy-
medical biochemist)
and
NATALIJA ARSIĆ
(Master of Pharmacy)

During the scientific part of the program, chaired by Prof. Dr. Svetlana Ignjatović, Prof. Dr. Vesna Spasojević-Kalimanovska, and Dr. Zorica Šumarac, this year's defended doctoral thesis at the Faculty of Pharmacy of the University of Belgrade, were presented. This year, their doctoral theses also presented the colleagues from the Faculty of Medicine of the University of Banja Luka,



Laureati Jelena Pavlović i Natalija Arsić sa Prof. dr Nadom Majkić-Singh i dr Zoricom Šumarac.
Laureates Jelena Pavlović and Natalija Arsić, with Prof. Dr. Nada Majkić-Singh and Dr. Zorica Šumarac.



Predsedavajući i predavači, s leva na desno: dr Milica Miljković, dr Iva Perović-Blagojević, prof. Vesna Spasojević-Kalimanovska, prof. Nada Majkić-Singh, dr Željka Malić, prof. Svetlana Ignjatović, dr Dragana Bačković, dr Dragana Puhalo-Sladoje, i dr Zorica Šumarac.

Chairs and lecturers, from left to right: Dr. Milica Miljković, Dr. Iva Perović-Blagojević, prof. Dr. Vesna Spasojević-Kalimanovska, prof. Dr. Nada Majkić-Singh, Dr. Željka Malić, prof. Dr. Svetlana Ignjatović, Dr. Dragana Bačković, Dr. Dragana Puhalo-Sladoje, and Dr. Zorica Šumarac.



Profesor Vesna Spasojević-Kalimanovska najavljuje predavače.

Professor Vesna Spasojević-Kalimanovska introducing the lecturers.



Učesnici Konferencije.

Conference participants.



Dr Velibor Canić i Profesor Slađana Šobajić.
Dr Velibor Canić and Professor Slađana Šobajić.



Predavači: Dragana Bačković i Iva Perović Blagojević.
Lecturers: Dragana Bačković and Iva Perović Blagojević.

Republic of Srpska – Bosnia and Herzegovina. The first speaker was Dr. Dragana Baćković, with her thesis on the influence of CYP2C19*2 gene variant on therapeutic response during clopidogrel treatment in patients with carotid artery stenosis. Dr. Dragana Puhalo Sladoje's thesis was about the concentration of appetite regulators and adipocytokines in blood plasma adolescents with obesity and/or metabolic syndrome. Oxidative stress status in blood and lipoprotein fractions in patients with chronic kidney disease was the topic of the lecture of Dr. Milica Miljković. The lecture on risk factors for the occurrence and development of chronic obstructive pulmonary disease associated with oxidative stress in

Serbian population by Dr. Živka Malić followed.

Redox disbalance and inflammation influence on PON1 activity and distribution at the HDL lipoprotein particles in polycystic ovary syndrome was presented by Dr. Iva Perović-Blagojević. The conference closed the doctorate of Dr. Vanja Todorović on antioxidant and antimicrobial potential of cocoa powder and its impact on mice behaviour after short-term and long-term supplementation.

The twenty second Annual Scientific Conference „Professor Ivan Berkeš” was co-organized and hosted by the Faculty of Pharmacy, University of Belgrade. It gath-



Dekan Farmaceutskog fakulteta, Prof. dr Slađana Šobajić i Prof. dr Nada Majkić-Singh.
Dean of the Faculty of Pharmacy, Prof. Dr. Slađana Šobajić, and Prof. Dr. Nada Majkić-Singh.

ered over 200 participants – students, older colleagues who were the students of Professor Berkeš, young graduated medical biochemists, and teachers of the Faculty of Pharmacy. Traditional guests were the family members of Professor Berkeš – his son and grandson, with their families. This traditional meeting of students and Professors of the Faculty of Pharmacy, honoring the legacy of one of its most distinguished professors. was held on 28 November 2019. Prof. Dr. Nada Majkić-Singh, traditionally the organizer, with her opening words greeted the participants and reminded us of the history, the idea of foundation, and the significance of the Conference, as well as of the life and work of the Professor Ivan Berkeš, whom it honors. Following the welcoming address of the Dean of the Faculty of Pharmacy, Prof. Dr. Slađana Šobajić, Prof. Dr. Majkić-Singh, presented awards of the Foundation.

This year's recipients were:

TIJANA VUČKOVIĆ
(Master of Pharmacy-
medical biochemist)
and
TEODORA BULOG
(Master of Pharmacy).

During the scientific part of the program, chaired by Prof. Dr. Svetlana Ignjatović and Prof. Dr. Vesna Spasojević-Kalimanovska, this

year's defended doctoral thesis at the Departments of Medical Biochemistry and Toxicology of the Faculty of Pharmacy, University of Belgrade, were presented. This year, their doctoral theses also presented the colleagues from the Departments of Biochemistry of the Faculty of Medicine, University of Niš and of the Faculty of Medicine, University of Novi Sad. The first speaker was Dr. Tamara Gojković, with her thesis on the influence of the importance of cholesterol synthesis and absorption markers determination in healthy subjects and patients with ischemic heart disease. Dr. Danijela Ristovski Kornić's thesis was about the determination of myeloperoxidase and lipoprotein subclasses distribution in children and adolescents with chronic kidney disease.

Antidotal efficacy of newly synthesized oximes K203 and K027 in rats acutely exposed to dichlorvos was the topic of the lecture of Dr. Evica Antonijević. The lecture on the effect of melatonin on parameters of oxidative damage, inflammation and neoangiogenesis in the retina of rats with streptozotocin/nicotinamide induced type 2 diabetes mellitus by Dr. Branka Djordjević followed. The conference closed the doctorate of Dr. Dragana Milošević on the connection between selected parameters of complete blood count, glycoregulation and the presence of degenerative complications in type 2 diabetes mellitus.



Laureat Tijana Vučković, magistar farmacije-medicinski biohemičar sa Prof. dr Nadom Majkić-Singh.
Laureat of the award Tijana Vučković, Master of Pharmacy-medical biochemist, with Prof. Dr. Nada Majkić-Singh.



Laureat Teodora Bulog, magistar farmacije sa prof. dr Nadom Majkić-Singh.
Laureat of the award Teodora Bulog, Master of Pharmacy, with Prof. Dr. Nada Majkić-Singh.



Laureati, predavači i predsedavajući Konferencije (s leva na desno): Tijana Vučković, Teodora Bulog, Prof. Svetlana Ignjatović, Prof. Vesna Spasojević-Kalimanovska, dr Danijela Ristovski-Kornic, Prof. Nada Majkić-Singh, dr Evica Antonijević, dr Dragana Milošević, dr Branka Đorđević, i dr Tamara Gojković.

Laureats, lecturers and chairs of the Conference (from left to right): Tijana Vučković, Teodora Bulog, Prof. Dr. Svetlana Ignjatović, Prof. Dr. Vesna Spasojević-Kalimanovska, dr Danijela Ristovski-Kornic, Prof. Dr. Nada Majkić-Singh, Dr. Evica Antonijević, Dr. Dragana Milošević, Dr. Branka Đorđević, and Dr. Tamara Gojković.

Laureats of the Scientific Foundation Professor Ivan Berkeš in 2020

Awards from the Foundation "Professor Ivan Berkeš" in 2020 were awarded to the best students of Faculty of Pharmacy, University of Belgrade graduated in the school year 2019/2020. This year recipients were:

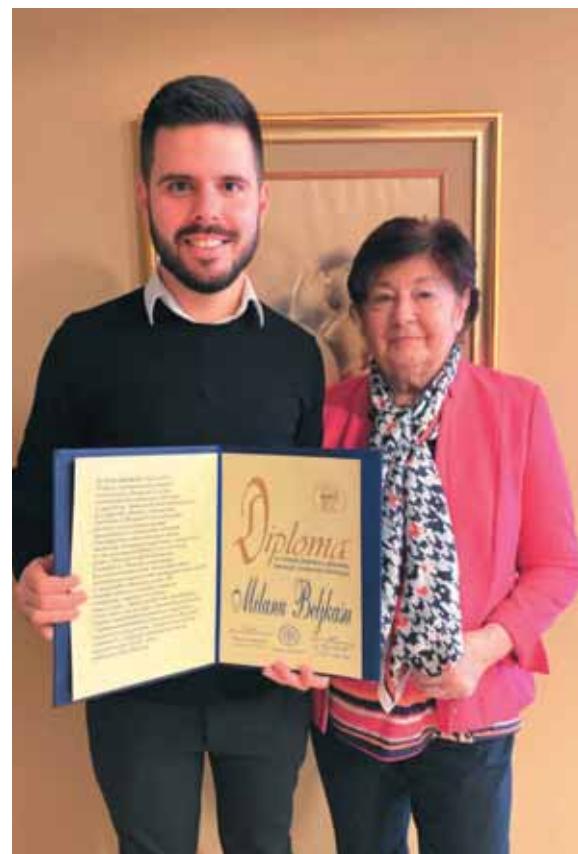
MILENA SIMIĆ
(Master of Pharmacy-
medical biochemists)
and
MILAN BELJKAŠ
(Master of Pharmacy)

Due to COVID-19 pandemic Twenty third Annual Scientific Conference is not organised).



Milena Simić, laureat Naučnog Fonda „Profesor Ivan Berkeš” sa Profesor dr Nadom Majkić-Singh.

Milena Simić, Laureat of the Scientific Foundation „Professor Ivan Berkeš” with Professor Dr. Nada Majkić-Singh.



Milan Beljkaš, laureat Naučnog Fonda „Profesor Ivan Berkeš” sa Profesor dr Nadom Majkić-Singh.

Milan Beljkaš, Laureat of the Scientific Foundation „Professor Ivan Berkeš” with Professor Dr. Nada Majkić-Singh.



Profesor dr Nada Majkić-Singh sa Milenom Simić i Milanom Beljkašem, laureatima Naučnog Fonda „Profesor Ivan Berkeš”.

Professor Dr. Nada Majkić-Singh with Milena Simić and Milan Beljkaš, Laureats of the Scientific Foundation „Professor Ivan Berkeš”.



Profesor dr Nada Majkić-Singh sa (s leva na desno): Almom Zuković, Milenom Simić, Milanom Beljkašem i Sofijom Marjanović nakon dodelje diplome Naučnog Fonda „Profesor Ivan Berkeš” (Društvo medicinskih biohemičara Srbije, Beograd, 16. decembar, 2020. god.).

Professor Dr. Nada Majkić-Singh with (from left to right): Alma Zuković, Milena Simić, Milan Beljkaš and Sofia Marjanović after receiving the Diploma of the Scientific Foundation Professor Ivan Berkeš (Society of the Medical Biochemists of Serbia, Belgrade, December 16, 2020).



A portrait of Professor Ivan Berkay, an elderly man with glasses, is positioned next to the text "Za vrhunski doprinos u oblastima farmacije i medicinske biohemije".

Diploma

za vrhunski doprinos u oblastima
farmacije i medicinske biohemije

Mileni Simić

Predsednik
Društva medicinskih biohemičara Srbije

Zorica Šumarac

Prim. dr sci. Zorica Šumarac



Beograd, 13. novembar 2020.

Direktor
Društva medicinskih biohemičara Srbije

Nada Majkić-Singh



Diploma

za vrhunski doprinos u oblastima
farmacije i medicinske biohemije

Milanu Beljkašu

Predsednik
Društva medicinskih biohemičara Srbije

Zorica Šumarac

Prim. dr sci. Zorica Šumarac



Beograd, 13. novembar 2020.

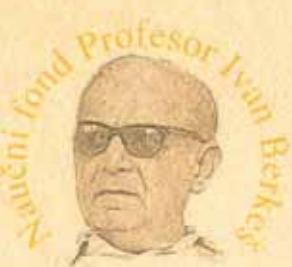
Direktor
Društva medicinskih biohemičara Srbije

Nada Majkić-Singh

Prof. dr Nada Majkić-Singh

LAUREATI FONDA:
GDE SU I
ŠTA RADE?

THE WINNERS OF
THE SCIENTIFIC
FOUNDATION AWARD:
WHERE THEY ARE
AND WHAT THEY DO?



Diploma

za vrhunski doprinos u oblastima
farmacije i medicinske biohemije

Mileni Andelković

Beograd, 1. decembar 2011.



Predsednik
Društva medicinskih biohemičara Srbije

A handwritten signature in blue ink.

Prof. Dr Nada Majkić-Singh

Izgled Diplome koja se dodeljuje najboljim diplomiranim studentima farmacije.
Appearance of the Diploma granted to the best Pharmacy graduated students.

*Dvadesetdruga godišnja naučna konferencija
Twenty Second Annual Ivan Berkeš Conference*

Dvadesetdruga godišnja naučna konferencija

*Posvećena
životu i delu
Profesora
Ivana Berkeša*

Organizer
Prof. dr Nada Majkić-Singh

Twenty Second Annual Ivan Berkeš Conference

*Dedicated to
Professor
Ivan Berkeš
life and work*

Organizer
Professor Nada Majkić-Singh

LAUREATI NAUČNOG FONDA „PROFESOR IVAN BERKEŠ”

Naučna konferencija	Ime i prezime	Školska godina
Prva	Vesna Vuković, diplomirani farmaceut-medicinski biohemičar Nebojša Cekić, diplomirani farmaceut	1997/98
Druga	Sonja Bulajić, diplomirani farmaceut-medicinski biohemičar Ivan Kovačević, diplomirani farmaceut	1998/99
Treća	Iva Perović, diplomirani farmaceut-medicinski biohemičar Danijela Đukić, diplomirani farmaceut	1999/00
Četvrta	Ana Đurović, diplomirani farmaceut-medicinski biohemičar Marija Stanojević, diplomirani farmaceut	2000/01
Peta	Anđelo Beletić, diplomirani farmaceut-medicinski biohemičar Ana Korać, diplomirani farmaceut	2001/02
Šesta	Srđan Dragović, diplomirani farmaceut-medicinski biohemičar Igor Popović, diplomirani farmaceut	2002/03
Sedma	Ana Đorđević, diplomirani farmaceut-medicinski biohemičar Marija Petronijević, diplomirani farmaceut	2003/04
Osma	Marko Racković, diplomirani farmaceut-medicinski biohemičar Slađana Stanojković, diplomirani farmaceut	2004/05
Deveta	Tijana Krnjeta, diplomirani farmaceut-medicinski biohemičar Dragana Tašić, diplomirani farmaceut	2005/06
Deseta	Miron Sopić, diplomirani farmaceut-medicinski biohemičar Ivana Kocić, diplomirani farmaceut	2006/07
Jedanaesta	Jelena Parezanović, diplomirani farmaceut-medicinski biohemičar Gordana Draganac, diplomirani farmaceut	2007/08

Dvanaesta	Jelena Pantić, diplomirani farmaceut-medicinski biohemičar Vladimir Dobričić, diplomirani farmaceut	2008/09
Trinaesta	Jelena Joksić, diplomirani farmaceut-medicinski biohemičar Zora Ćetković, diplomirani farmaceut	2009/10
Četrnaesta	Milena Andelković, diplomirani farmaceut-medicinski biohemičar Mladen Milović, diplomirani farmaceut Ana Milojević, magistar farmacije-medicinski biohemičar Sanela Đorđević, magistar farmacije	2010/11
Petnaesta	Mladen Stankov, magistar farmacije-medicinski biohemičar Marija Todosijević, magistar farmacije	2011/12
Šesnaesta	Sanja Vučković, magistar farmacije, medicinski biohemičar Biljana Škorić, magistar farmacije	2012/13
Sedamnaesta	Sanja Kandić, magistar farmacije-medicinski biohemičar Dušan Ružić, magistar farmacije	2013/14
Osamnaesta	Branislava Šupljevlav magistar farmacije-medicinski biohemičar Milan Milojević, magistar farmacije	2014/15
Devetnaesta	Aleksandra Tijanić magistar farmacije-medicinski biohemičar Marija Banićević, magistar farmacije	2015/16
Dvadeseta	Tamara Antonić magistar farmacije-medicinski biohemičar Sandra Tešić, magistar farmacije	2016/17
Dvadeset prva	Jelena Pavlović magistar farmacije-medicinski biohemičar Natalija Arsić, magistar farmacije	2017/18
Dvadeset druga	Tijana Vučković magistar farmacije-medicinski biohemičar Teodora Bulog, magistar farmacije	2018/19
2020	Milena Simić magistar farmacije-medicinski biohemičar Milan Beljkaš, magistar farmacije	2019/20

Vesna Vuković-Dejanović

je rođena 26. oktobra 1973. godine u Beogradu. Osnovnu školu i gimnaziju je završila u Aranđelovcu. Na Farmaceutski fakultet Univerziteta u Beogradu upisala se školske 1992/1993 godine, a diplomirala je na smeru diplomirani farmaceut-medicinski biohemičar 1997. godine, sa prosečnom ocenom 9,59. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut – medicinski biohemičar u školskoj 1997/1998 godini. Bila je zaposlena kao asistent pripravnik u Zavodu za bromatologiju Farmaceutskog fakulteta, a zatim je radila u Institutu za medicinsku biohemiju Vojnomedicinske akademije. Od 2008. godine Vesna Vuković-Dejanović je na mesto šefa laboratorije Odeljenja kardio-loške rehabilitacije u Institutu za rehabilitaciju u Beogradu. Specijalistički ispit iz oblasti Medicinske biohemije je položila 2003. godine sa odličnom ocenom. Magistarsku tezu pod nazivom „Značaj određivanja pentraksina-3 kod pacijenata sa angiografski dokazanim koronarnom bolešću“ odbranila je 2014. godine. Vesna Vuković-Dejanović je u završnoj fazi izrade doktorske teze iz oblasti Medicinske biohemije pod nazivom „Ispitivanje markera inflamacije pentraksina 3, ciklofilina A i heparin-vezujućeg epidermalnog faktora rasta kod bolesnika sa akutnim infarktom miokarda sa ST-elevacijom“, kao i subspecialističkih studija iz Kliničke enzimologije. Od 2017. godine ima zvanje primarijus. Ima 14 naučnih radova objavljenih u celosti, a na naučnim skupovima u zemlji i inostranstvu imala je 8 saopštenja.



Vesna Vuković-Dejanović

was born on October 26, 1973 in Belgrade. She completed elementary and high school in Aranđelovac. She enrolled at the Faculty of Pharmacy of the University of Belgrade in school year 1992/1993, and graduated as a graduate pharmacist-medical biochemist in 1997, with an average grade of

9.59. Received the annual award „Professor Ivan Berkeš“ as the best student, graduate pharmacist – medical biochemist in the school year 1997/1998. She was employed as an assistant trainee in the Department of Bromatology at the Faculty of Pharmacy, and then worked at the Institute of Medical Biochemistry of the Military Medical Academy. Since 2008, Vesna Vuković-Dejanović has been the Head of the laboratory of the Department of Cardiac Rehabilitation at the Institute for Rehabilitation in Belgrade. She passed the specialist exam in the field of Medical Biochemistry in 2003 with an excellent grade. She defended her master's thesis entitled „The importance of determining pentraxin-3 in patients with angiographically proven coronary heart disease“ in 2014. Vesna Vuković-Dejanović is in the final phase of preparing a doctoral thesis in the field of Medical Biochemistry entitled „Examination of inflammatory markers of pentraxin 3, cyclophilin A and heparin-binding epidermal growth factor in patients with acute myocardial infarction with ST-elevation“, as well as subspecialist studies from Clinical enzymology. Since 2017, she has held the title of Primaries. She has 14 scientific papers published in extenso, and she had 8 announcements at scientific meetings in the country and abroad.

Nebojša Cekić

je rođen 17. 07. 1973. u Leskovcu, Srbija. Osnovnu i srednju školu završio je u Leskovcu. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut upisao je školske 1992/93 godine, a diplomirao je školske 1997/98 godine. Dobjitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut u školskoj 1997/98 godini. Od 1999. do 2000. radi u Velefarmu AD, a potom od 2000. u firmi DCP Hemigal doo, Leskovac, na poziciji direktora R&D sektora. Školske 2006. godine je izabran za asistenta na Tehnološkom fakultetu u Leskovcu, Univerzitet u Nišu, na smeru Farmaceutsko-kozmetičko inženjerstvo. Titulu specijalista kozmetologije stekao je 2003. na Farmaceutskom fakultetu u Beogradu, a titulu doktora medicinskih nauka – farmacija u oblasti farmaceutska tehnologija, stekao 2009. godine na istom fakultetu. U zvanje docenta na Katedri za hemijsko-organske tehnologije Tehnološkog fakulteta, Univerzitet u Nišu, izabran je 2010. godine, a u zvanje vanrednog profesora, 2015. godine. Tokom svoje dosadašnje akademske karijere, Nebojša Cekić je učestvovao je u realizaciji dva domaća projekta. Uporedo sa akademском karijerom obavlja i posao na poziciji direktora R&D sektora u firmi DCP Hemigal. Potpredsednik je Grupacije proizvođača kozmetičkih proizvoda pri Privrednoj komorbi Srbije, a u svojstvu člana radne Ministarstva zdravljia, radio je od 2009–2019. godine na harmonizaciji domaće regulative koja reguliše promet kozmetičkih proizvoda sa evropskom regulativom i time doprineo da Zakon o predmetima opšte upotrebe i



Nebojša Cekić

was born on 17. 07. 1973 in Leskovac, Serbia. He completed elementary and high school in Leskovac. He enrolled in the Faculty of Pharmacy in Belgrade in 1992, and graduated in 1997. He received „Prof. Dr. Ivan Berkeš“ annual award as the best student of the class 1997/1998. In period

1999–2000 he has been employed at Velefarm AD, after which he has been with the company DCP Hemigal doo Leskovac, on the position of Head of R&D Sector. From 2006 he was teaching assistant on Faculty of Technology Leskovac, University of Niš in the scientific field – Pharmaceutical-Cosmetic Technologies. Nebojša Cekić has acquired title of Specialist in Cosmetology in 2003, and Ph.D. title in Medical Sciences – Pharmacy in 2009, both at Faculty of Pharmacy, University of Belgrade. In 2010, he was promoted to assistant professor, after which, in 2015, he was promoted to associate professor at Faculty of Technology in Leskovac. Nebojša Cekić took part in two national research projects so far. Today, hand in hand with pursuing academic carrier, he is still on the position of Head of R&D Sector in the company DCP Hemigal. He has been elected as a vice president of the Group of cosmetics manufacturers at Chamber of Commerce Serbia. In the period 2009–2019 he was member of the Working group at Ministry of Health, Republic of Serbia, for implementation of national legislative on cosmetic products (Law on General Use Items) and Rulebook on cosmetic products) and harmonization with Regulation EC 1223/2009. From 2018, he is member of the Working

Pravilnik o kozmetičkim proizvodima budu implementirani 2019. godine. Od 2018. je član Radne grupe za regulatorna pitanja u pogledu proizvodnje i prometa kozmetičkih proizvoda pri Privrednoj komori Srbije. Uspešno je završio prestižni kurs za procenu bezbednosti kozmetičkih proizvoda u Briselu 2020. godine. Njegovo naučno-istraživačko interesovanje uključuje istraživanje alternativnih, visoko efikasnih načina procene fizičke stabilnosti disperznih sistema, rad na formulaciji, karakterizaciji i proceni efekata kozmetičkih proizvoda, kao i procena bezbednosti kozmetičkih proizvoda.

group for regulatory issues in the field of cosmetics manufacturing in Serbia at Chamber of Commerce Serbia. In 2020, he successfully completed Safety assessment of Cosmetics in the EU – Training Course in Brussels. His research interest and work are focused on investigation of the highly efficient alternatives for physical stability testing of dispersions as well as formulation, characterization and optimization of personal care products, including efficacy testing and safety assessment of cosmetic products.

Sonja Bulajić

je rođena 08. 11. 1972. u Nikšiću. Osnovnu i srednju školu završila je u Nikšiću. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut – medicinski biohemičar upisala je 1991. godine, a diplomirala 1998. godine. Dobitnica je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student, diplomirani farmaceut-medicinski biohemičar u školskoj 1998/99. godini. U periodu od 1999. do 2003. godine radila je kao rukovodilac kontrole kvaliteta alkoholnih pića u fabriци alkoholnih pića i vina Neksan, Nikšić a nakon toga u apoteci Elekta, Podgorica (u periodu od 2003. do 2004. godine). Na poziciji direktora proizvodnje radila je u periodu od 2004. do 2011. godine, u kompanijama ICN Crna Gora, Podgorica, Novit pharm, Podgorica i Galenika Crna Gora, Podgorica. U periodu od 2011. do 2019. godine radila je na poziciji direktora



Sonja Bulajić

was born on November 8, 1972 in Nikšić. She completed elementary and high school in Nikšić. She enrolled in the Faculty of Pharmacy in Belgrade (Master of pharmacy-medical biochemistry) in 1991, and graduated in 1998. She received the „Prof. Dr. Ivan Berkeš“ award as the best student, graduate pharmacist-medical biochemist, of the class 1998/99. In the period from 1999 to 2003 Sonja Bulajić worked as an alcoholic beverages quality control manager in the factory of alcoholic beverages and wines Neksan, Nikšić, and after that in the pharmacy Elekta, Podgorica (in the period from 2003 to 2004). She worked as a production director in the period from 2004 to 2011, in the companies ICN Montenegro, Podgorica, Novit pharm, Podgorica and Galenika Montenegro, Podgorica. In the period from 2011 to 2019, she worked as the head of the

proizvodnog sektora fabrike ljekova Galenika Crna Gora, Podgorica. Od 2019. godine zaposlena je u Agenciji za ljekove i medicinska sredstva Crne Gore, Podgorica koji je u drugoj polovini 2020. transformisan u Institut za ljekove i medicinska sredstva. Od 2020. godine radi na poziciji rukovodioca Inspektorata u Institutu za ljekove i medicinska sredstva Crne Gore. Specijalističke akademske studije Farmaceutski menadžment i marketing završila je 2016. godine, a specijalističke akademske studije Puštanje leka u promet 2020. godine.

Production sector of the pharmaceutical factory Galenika Montenegro, Podgorica. Since 2019, she has been employed at the Agency for Medicines and Medical Devices of Montenegro, Podgorica, which has been transformed into the Institute for medicines and medical devices, in the second half of 2020. Since 2020, she has been working as the head of the Inspectorate at the Institute for Medicines and Medical Devices of Montenegro. Sonja Bulajić completed the specialist academic studies in Pharmaceutical Management and Marketing in 2016, and the specialist academic studies in Release of Medicinal Products on the Market in 2020.

Ivan Kovačević

je rođen 9. marta 1974. godine u Prokuplju gde je završio osnovnu školu i gimnaziju kao đak generacije. Farmaceutski fakultet u Beogradu, upisao je 1993. godine; diplomirao je 1999. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut 1999. godine. Ivan Kovačević je doktorirao 2010. godine u oblasti primene *in silico* modela u biofarmacetuskoj karakterizaciji lekova. Specijalizaciju iz kliničke farmacije, u oblasti terapijskog praćenje antidepresiva završio je 2008. godine, dok je zvanje magistra nauka u oblasti kliničke farmakokinetike stekao 2006. godine. Trenutno je zaposlen u odeljenju za Istraživanje i razvoj (R&D) kompanije *GlaxoSmithKline (GSK) Biologicals* u Belgiji i bavi se poslovima u vezi sa kliničkom



Ivan Kovačević

was born 9 March 1974 in Prokuplje, where he finished elementary school and high school as a student of generation. He enrolled at the Faculty of Pharmacy in Belgrade in 1993 and graduated in 1999. He received the award of „Prof. Dr. Ivan Berkeš“ as the best student graduated in 1999. Ivan Kovačević obtained his PhD title in 2010 in the field of application of *in silico* models in biopharmaceutical drug characterization. He completed his specialization in clinical pharmacy in the field of therapeutic drug monitoring of antidepressants in 2008. In 2006 he obtained the title of Master of Science in the field of clinical pharmacokinetics. Ivan Kovačević currently works the Research and Development (R&D) department of GlaxoSmithKline (GSK) Biologicals in

bezbenošću i farmakovigilancom vakcina. Obavljao je poslove medicinskog direktora i bio odgovoran za regulatorne paspekte u predstavništvu GSK u Beogradu (2010–2018). Takođe je radio kao direktor Nacionalnog centra za farmakovigilancu pri Agenciji za lekove i medicinska sredstva Srbije (ALIMS), i ekspert u oblasti farmakovigilance (2003–2010). Na Farmaceutskom fakultetu je radio kao kao asistent u nastavi i istraživanju od 1999 do 2003. Ivan Kovačević je kao gostujući istraživač boravio na Institutu za farmaceutsku tehnologiju i biofarmaciju, Johannes Gutenberg Universiteta u Majncu u 2008. godini. Takođe je učestvovao na 2 istraživačka projekta pri Ministarstvu nauke Republike Srbije u oblasti kliničko-farmakoloških ispitivanja efekata i interakcija lekova kao i biofarmaceutske karakterizacije lekova. Učestvovao je u *twinning* projektu između Agencije za lekove i medicinska sredstva Srbije i Francuske agencije za bezbednost zdravstvenih proizvoda (2007–2009). Ivan Kovačević je imao akademsko zvanje „naučni saradnik“ na Farmaceutskom fakultetu Univerziteta u Beogradu, od 2013 do 2017. godine. Takođe je bio član Komisije ALIMS-a za obnovu dozvole za stavljanje lekova u promet (2006–2010). Autor je ili koautor jednog poglavlja u knjizi, 15 radova i 20 prezentacija predstavljenih na nacionalnim i međunarodnim kongresima i simpozijumima.

Belgium and is involved in vaccines clinical safety and pharmacovigilance. He was in role of medical director and was responsible for regulatory aspects in the GSK representative office in Belgrade (2010–2018). Ivan worked as the director of the National Centre for Pharmacovigilance at the Agency for Medicines and Medical Devices of Serbia (ALIMS), and worked as an expert in the field of pharmacovigilance (2003–2010). He worked at the Faculty of Pharmacy as an assistant in teaching and research from 1999 to 2003. Ivan Kovačević was a visiting researcher at the Institute for Pharmaceutical Technology and Bio-pharmacy, Johannes Gutenberg University of Mainz in 2008. He also participated in 2 research projects at the Ministry of Science of the Republic of Serbia in the field of clinical and pharmacological studies of the effects and interactions of drugs as well as biopharmaceutical characterization of drugs. He participated in a twinning project between the Agency for Medicines and Medical Devices of Serbia and the French Agency for Health Product Safety (2007–2009). Ivan Kovačević had the academic title of „research associate“ at the Faculty of Pharmacy, University of Belgrade, from 2013 to 2017. He was also a member of the ALIMS Commission for the Renewal of Marketing Authorizations (2006–2010). He is the author or co-author of one chapter in the book, 15 papers and 20 presentations presented at national and international congresses and symposia.

Iva Perović Blagojević

je rođena 17. 09. 1972. godine u Beogradu. Osnovnu školu „Vuk Karadžić“ i srednju školu, V beogradsku gimnaziju, završila je sa odličnim uspehom. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut – medicinski biohemičar upisala je 1991. godine, a diplomirala je 2000. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut – medicinski biohemičar u školskoj 1999/2000 godini. Od avgusta 2000. godine zaposlena je u Službi za laboratorijsku dijagnostiku, Odsek biohemije, KBC „Dr Dragiša Mišović-Dedinje“. Specijalističke studije iz Medicinske biohemije na Farmaceutskom fakultetu u Beogradu završila je 2011. godine i iste godine je postavljena na mesto šefa Odseka biohemije. Titulu doktora medicinskih nauka – farmacija stekla je 2018. godine. Subspecijalističke studije iz Laboratorijske endokrinologije na Farmaceutskom fakultetu u Beogradu završila je 2020. godine. 2016. godine izabrana je za člana IO DMBS u čijem sazivu je i danas. Član Skupštine Komore biohemičara Srbije je bila u dva mandata. Od 2016. godine, Iva Perović Blagojević je aktivni član Organizacionog odbora Srpskog kongresa medicinske biohemije i laboratorijske medicine. U toku svoje profesionalne karijere učestvovala je kao ko-istraživač u CIBIS-ELD studiji (maj 2007. godine – februar 2008. godine) koju je organizovala Med. Klinik mit Schwerpunkt Kardiologie, Berlin, Germany (Competence Network Heart Failure). Učestvovala je na brojnim stručnim sastancima u organizaciji DMBS i Farmaceutske komore Srbije, kao i na



Iva Perović Blagojević

was born on 17. 09. 1972 in Belgrade. She completed elementary school „Vuk Karadžić“ and V Belgrade Gymnasium with excellent grades. She enrolled in the Faculty of Pharmacy in Belgrade (Pharmacy – medical biochemistry) in 1991, and graduated in 2000. Iva Perović Blagojević received „Prof.

Dr. Ivan Berkeš“ annual award as the best student of the class 1999/2000. She has been employed in the Laboratory Diagnostics Division, Department of Biochemistry, Clinical Hospital Centre „Dr Dragiša Mišović-Dedinje“ since august 2000. She completed specialist studies in Medical Biochemistry at the Faculty of Pharmacy in Belgrade in 2011 and in the same year she was appointed Head of the Department of Biochemistry. Iva Perović Blagojević has acquired the Ph.D. title in 2018. In 2020, she completed narrower specialist studies in Laboratory Endocrinology at the Faculty of Pharmacy in Belgrade. In 2016, she was elected a member of the Society of Medical Biochemists of Serbia (SMBS) Executive Board, in whose convocation she is still today. She was a member of the Assembly of the Chamber of Biochemists of Serbia for two terms. Since 2016, Iva Perović Blagojević has been an active member of the Organizing Committee of the Serbian Congress of Medical Biochemistry and Laboratory Medicine. During her professional career, she participated as a co-researcher in the CIBIS-ELD study (May 2007–February 2008) organized by Med. Clinic with Schwerpunkt Kardiologie, Berlin, Germany (Competence Network Heart Failure). She has participated in numerous

seminarima za kontinuiranu edukaciju i kongresima DMBS, EFLM i IFCC. Tokom 2013. i 2014. godine organizovala je i bila jedan od predavača na dva Kursa KME u KBC „Dr Dragiša Mišović-Dedinje”: „Novine u laboratorijskoj dijagnostici-mogućnosti Odseka biohemije Službe za laboratorijsku dijagnostiku” i „Hronična bolest bubrega-principi kliničko-laboratorijskog praćenja, faktori rizika i komplikacije”. Takođe, 2019. godine, učestvovala je kao predavač na XXVII BCLF sastanku i XXX Nacionalnom kongresu Turskog društva biohemičara (TBS). Njen naučno-istraživačko interesovanje uključuje ispitivanje patofizioloških mehanizama u PCOS i povezanost sindroma sa kardiovaskularnim rizikom.

professional meetings organized by the SMBS and the Pharmaceutical Chamber of Serbia, as well as the congresses of the SMBS, EFLM and IFCC. During 2013 and 2014, she organized and was a lecturer at two courses at CHC „Dr Dragiša Mišović-Dedinje”: „Novelties in laboratory diagnostics-possibilities of the Department of Biochemistry „and „Chronic kidney disease-principles of clinical-laboratory monitoring, risk factors and complications”. Also, in 2019, she participated as a lecturer at the XXVII BCLF meeting and the XXX National Congress of the Turkish Society of Biochemists (TBS). Her research interest is focused on the pathophysiological mechanisms in PCOS and the association of the syndrome with cardiovascular risk.

Danijela Đukić-Ćosić

je rođena 29. 01. 1976. u Šapcu. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut upisala je 1995. godine, a diplomičala 2000. godine. Kao student generacije dobitnik je nagrade iz Naučnog Fonda „Profesor Ivan Berkeš”. Na istom fakultetu je doktorirala 2011. godine i završila specijalističke akademske studije 2014. godine. Dobitnica je više stipendija i nagrada u toku studija i dosadašnjeg naučno-istraživačkog rada. Zaposlena je na Katedri za toksikologiju „Akademik Danilo Soldatović“ Univerziteta u Beogradu – Farmaceutskog fakulteta od 2000. godine. Uzvanje docenta izabrana je 2013. godine, a vanrednog profesora 2018. godine. Gostujući je predavač na Medicinskom fakultetu Uni-



Danijela Đukić-Ćosić

was born on January 29, 1976 in Šabac. She enrolled at the Faculty of Pharmacy in Belgrade (module: Pharmacy) in 1995, and graduated in 2000. Danijela Đukić-Ćosić received „Professor Ivan Berkeš“ annual award as the best student of the class 1999/2000. She received her PhD from the same faculty in 2011 and completed specialist academic studies in 2014. She has won several scholarships and awards during her studies and previous scientific research work. She has been employed at the Department of Toxicology „Akademik Danilo Soldatović“ at the University of Belgrade – Faculty of Pharmacy since 2000. She was elected assistant professor in 2013, and associate professor in 2018. She is also a guest lecturer at the

verzita u Banjoj Luci na odseku Farmacija. Aktivno učestvuje u nacionalnim i međunarodnim projektima. Rukovodila je međunarodnim bilateralnim projektom sa Slovenijom i bila član bilateralnog projekta sa Hrvatskom. Učestvovala je u Erasmus+ projektu (ReFEEHS). Trenutno je koordinator za Srbiju u CEEPUS III akciji za Univerzitet u Beogradu – Farmaceutski fakultet, učesnik projekta Medicinskog fakulteta Univerziteta u Banjoj Luci i angažovana je na nacionalnom projektu PROMIS (DecodExpo). Oblasti naučnog interesovanja su toksikologija metala, endokrinih ometača, mehanizmi toksičnosti, toksikologija smeša, računarska toksikologija i procena rizika po zdravlje ljudi (procena bezbednosti kozmetičkih proizvoda). Do sada je kao autor i koautor objavila više od 150 naučnih i stručnih publikacija. Autor je udžbenika „Interprofesionalno obrazovanje“ za studente svih medicinskih profila, pomoćnih udžbenika „Sredstva koja izazivaju zavisnost s analitikom: Priručnik za praktičnu nastavu“ i „Praktikum iz opšte toksikologije“, kao i monografije „Uloga oksidativnog stresa u toksičnosti kadmijuma“. Autor je publikacije „Momčilo St. Mokranjac – hemičar, profesor, toksikolog“ pratećeg materijala izložbe koju je organizovala u SANU – Srpskoj akademiji nauka i umetnosti povodom 120 godina od rođenja osnivača toksikologije u Srbiji, Prof. dr Momčila St. Mokranjca, sina čuvenog srpskog kompozitora Stevana Mokranjca. Organizovala je stručni sastanak „Toksikologija u praksi i obrazovanju: juče, danas, sutra“ povodom obeležavanja 160 godina toksikologije u Srbiji. Predavač je za savetnike za hemikalije i savetnik za hemikalije pri Ministarstvu zaštite životne sredine, R. Srbije. Evaluator je

Faculty of Medicine, University of Banja Luka, Department of Pharmacy. She actively participates in national and international projects. She managed an international bilateral project with Slovenia, was a member of a bilateral project with Croatia and participated in the Erasmus + project (ReFEEHS). She is currently the coordinator for Serbia in CEEPUS III activity for the University of Belgrade – Faculty of Pharmacy, a participant in the project of the Medical Faculty of the University of Banja Luka and is engaged in the national project PROMIS (DecodExpo). Areas of her scientific interest are toxicology of metals, endocrine disruptors, mechanisms of toxicity, toxicology of mixtures, computational toxicology, as well as human health risk assessment (safety assessment of cosmetic products). So far, as an author and co-author, she has published more than 150 scientific and professional publications. She is an author of the textbook „Interprofessional Education“ for students of all medical profiles, auxiliary textbooks "Psychoactive Substances of Abuse: Handbook for practical classes" and „Practicum in general toxicology“, as well as the monograph „The role of oxidative stress in cadmium toxicity“. She is also the author of the publication „Momčilo St. Mokranjac - chemist, professor, and toxicologist“. This publication was a part of the accompanying material for the exhibition organized by the SANU-Serbian Academy of Sciences and Arts on the occasion of the 120th anniversary of the birth of the founder of toxicology in Serbia, Prof. Dr. Momčila St. Mokranjac, son of the famous Serbian composer Stevan Mokranjac. She organized an expert meeting „Toxicology in practice and education: yesterday, today, tomorrow“ on

toksikoloških svojstava sredstava za zaštitu bilja pri Ministarstvu poljoprivrede, šumarstva i vodoprivrede, Republike Srbije. Sekretar je Centra za toksikološku procenu rizika Univerziteta u Beogradu – Farmaceutskog fakulteta. Član je većeg broja domaćih i međunarodnih udruženja u oblasti farmacije, toksikologije i obrazovanja. Član je Upravnog odbora Udruženja toksikologa Srbije. Od 2019. godine poseduje kvalifikaciju „Evropski registrovani toksikolog“ koju izdaje Evropsko udruženje toksikologa (EUROTOX). Udata je i ima troje dece.

the occasion of marking the 160th anniversary of toxicology in Serbia. She is a Chemical Advisor and participates in the training of future Chemical Advisors at the Ministry of Environmental Protection, Republic of Serbia. She is also an expert for assessment of toxicological data of plant protection products at the Ministry of Agriculture, Forestry and Water Economy, Republic of Serbia. She is the Secretary of the Centre for Toxicological Risk Assessment of the University of Belgrade – Faculty of Pharmacy and member of a number of local and international associations in the field of pharmacy, toxicology and education. She is also member of the steering committee of the Serbian Society of Toxicology. Since 2019, she has the qualification „European registered toxicologist“ issued by the European Association of Toxicologists (EUROTOX). She is married and has three children.

Ana Radović (rođ. Đurović)

je rođena 06. 05. 1973. godine u Nikšiću, gde je završila Osnovnu školu „Luka Simonović“ i prirodno-matematičku gimnaziju. Dobitnik je diplome „Luča“ za postignute najbolje rezultate iz svih nastavnih predmeta u toku svih školskih godina u osnovnoj i srednjoj školi. Farmaceutski fakultet u Beogradu upisala je 1991. godine na smeru diplomirani farmaceut-medicinski biohemičar, a diplomirala je 2001. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut-medicinski biohemičar u školskoj 2000/2001. godini. Od završetka studija zaposlena je u



Ana Radović (born Đurović)

was born on 06. 05. 1973 in Nikšić, Montenegro, where she finished elementary school „Luka Simonović“ and Gymnasium of mathematics and natural sciences. She received the prestigious diploma „Luča“ for her academic success of obtaining the highest grades in all of her classes throughout primary and secondary schools. Ana enrolled in the Faculty of Pharmacy in Belgrade in 1991 where she studied medical biochemistry and graduated in 2001. She received an annual award „Prof. Dr. Ivan Berkeš“ for being the best student of the class 2000/2001. Ever since completing her higher education stud-

Institutu za medicinsku biohemiju Kliničkog centra Srbije, današnjem Centru za medicinsku biohemiju KCS, gde radi sve do sada. Specijalističke studije iz Medicinske biohemije na Farmaceutskom fakultetu u Beogradu završila je 2018. godine. Studijski program uže specijalizacije iz Laboratorijske endokrinologije na Farmaceutskom fakultetu u Beogradu upisala je 2019. U toku 2009/2010. i 2010/2011. godine bila je angažovana kao saradnik u nastavi na Farmaceutskom fakultetu na predmetima laboratorijske hematologije i hemostaze. Član je Komore medicinskih biohemičara od njenog osnivanja 2008. godine. Ana Radović je učestvovala na brojnim kongresima i seminarima u organizaciji EFLM i IFCC, kao i na brojnim stručnim sastancima u okviru kontinuirane zdravstvene edukacije u organizaciji zdravstvenih komora i udruženja. U toku svoje profesionalne karijere radila je u Službi za kliničku laboratorijsku dijagnostiku na Klinici za urologiju i nefrologiju KCS, gde je bila uključena u laboratorijski monitoring pacijenata Centra za transplantaciju bubrega. Aktivno je sarađivala u izradi i primeni protokola za metaboličko praćenje kalkuloza urinarnog trakta. Bavila se laboratorijskom dijagnostikom i praćenjem terapijskih efekata lečenja muškog steriliteta u okviru androloške dijagnostike. Značajno iskustvo je stekla u primeni tumorskih markera u dijagnostici i lečenju tumora prostate. Svoj profesionalni angažman je nastavila u Službi za polikliničku laboratorijsku dijagnostiku KCS, gde je bila posebno uključena u deo laboratorijske prakse koji se bavi laboratorijskom hematologijom i hemostazom, sa posebnim osvrtom na laboratorijsku dijagnostiku anemija, monitoring oralne antikoagulantne

ies, Ana has been employed by the Clinical Centre of Serbia in the department of medical biochemistry, better known today as the Centre of medical biochemistry KCS, where she works nowadays. She completed specialist studies in Medical Biochemistry at the Faculty of Pharmacy in Belgrade in 2018. In 2019, she started narrower specialist studies in Laboratory Endocrinology at the same Faculty. Throughout the years 2009/2010 and 2010/2011 she was appointed the teaching associate for the courses of Laboratory Hematology and Hemostasis at the Faculty of Pharmacy in Belgrade. Ana has been a member of the Assembly of the Chamber of Biochemists of Serbia ever since its foundation in 2008. Ana Radović participated in numerous congresses and seminars supported by EFLM and IFCC organizations, as well as professional meetings within the framework of continuous medical education organized by Serbian health chambers and associations. Throughout her professional career, Ana engaged in the clinical laboratory diagnostics at the Clinic for Urology and Nephrology KCS, where she participated in laboratory monitoring of the patients from the kidney transplant center. She was actively collaborating in production and utilization of protocol for metabolic tracking of urinary calculi in the urinary tract. She was engaged in laboratory diagnostics and tracking of therapeutic effects in treating male sterility regarding andrology diagnostics. She gained remarkable skills and experience from practicing the use of tumor markers for diagnosis and treatment of prostate cancer. She continued her professional engagement at polyclinic laboratory diagnostics service KCS, where she was involved in a laboratory

terapije i laboratorijsku dijagnostiku anti-fosfolipidnog sindroma. Poslednjih šest godina radi u Službi za urgentnu laboratorijsku dijagnostiku KCS, gde je pokazala interesovanje za laboratorijsko praćenje kardiovaskularnog rizika kod pacijenata na hemodializiji koji se leče u ovoj ustanovi i koji je prikazala kroz svoj specijalistički rad.

practice regarding laboratory hematology and hemostasis, with special reference to the laboratory diagnosis of anemia, monitoring of oral anticoagulant drugs and laboratory diagnosis of antiphospholipid syndrome. For the past six years Ana has been working in the department of urgent laboratory diagnostics KCS, where she has exhibited interest for laboratory tracking of cardiovascular risks in hemodialysis patients who are being treated in this institution; the same interest which she displayed through her master's graduate thesis.

Marija Ilić (Stanojević)

je rođena 28. 07. 1976. godine u Beogradu, gde je završila osnovnu školu i gimnaziju. Farmaceutski fakultet Univerziteta u Beogradu upisala je 1995. godine i diplomirala 2000. godine. Dobitnik je nagrade „Student generacije Farmaceutskog fakulteta“ u 2000. godini i diplome „Prof. dr Ivan Berkeš“ kao najbolji student – diplomirani farmaceut u školskoj 2000/2001. godini. Od 2001. do 2005. godine je bila zaposlena na Farmaceutskom fakultetu u Beogradu kao saradnik i asistent-pripravnik u Institutu za farmaceutsku tehnologiju i kozmetologiju, gde je odbranila magistarski rad 2005. godine. U Agenciji za lekove i medicinska sredstva Srbije je radila od 2005. do 2010. godine, kao viši stručni saradnik na poslovima ekspertske procene dokumentacije o kvalitetu i bezbednosti lekova, kao i studija bioekvivalencije. Bila je član nacionalne Komisije za obnovu dozvola za lekove i



Marija Ilić (Stanojević)

was born on 28th July 1976 in Belgrade, where she completed elementary and high school. She enrolled in the Faculty of Pharmacy, University of Belgrade in 1995, and graduated in 2000. Marija Ilić received award as the best student in the class graduated at Faculty of Pharmacy in 2000 and „Prof. Dr. Ivan Berkeš“ scientific foundation award as the best student of the class 2000/2001. She was working as Research and teaching assistant at Department of Pharmaceutical Technology and Cosmetology, Faculty of Pharmacy, from 2001 to 2005, where she acquired the M.Sc. title in 2005. From 2005 to 2010 she was working as Senior Assessor at Medicines and Medical Devices Agency of Serbia, responsible for evaluation of quality and safety documentation, as well as bioequivalence studies. She was a member of the Committee for marketing authorisation renewal

Komisije za farmakopeju. Učestvovala je u radu Komisija za stavljanje humanih i biljnih i tradicionalnih lekova u promet. Od 2010. do 2018. godine radila je u kompaniji Pharma Swiss, Beograd u zvanju menadžera za registraciju proizvoda. Doktorsku disertaciju odbranila je 2015. godine na Farmaceutskom fakultetu u Beogradu i stekla zvanje naučnog saradnika u oblasti farmaceutske tehnologije 2017. godine. Od 2018. godine zaposlena je u kompaniji Abela Pharm na poziciji menadžera regulatornih poslova za lek, a od 2019. godine obavlja funkciju direktora regulatornih poslova.

and Committee for National Pharmacopoeia. She participated in the work of the Committee for marketing authorisation of human medicines and herbal medicines. From 2010 to 2018 she was working as Regulatory Affairs Manager at Pharma Swiss, Belgrade. Marija Ilić completed PhD studies in Pharmaceutical Technology in 2015 and received scientific expert title in 2017. From 2018 she is working as Regulatory Affairs Manager for medicines at Abela Pharm, and from 2019 as Head of Regulatory Affairs.

Anđelo Beletić

je rođen u Beogradu 10. januara 1978. Nakon osnovne škole i gimnazije u Kraljevu, obrazovanje je nastavio 1996. godine na Farmaceutskom fakultetu Univerziteta u Beogradu (smer diplomirani farmaceut-medicinski biohemičar), gde je diplomirao 25. januara 2002. godine sa prosečnom ocenom 9,31. Iste godine dobio je nagradu „Profesor Ivan Berkeš“. Specijalista medicinske biohemije je postao 2012. godine, doktor medicinskih nauka-farmacija 2014. godine i naučni saradnik u oblasti prirodnno-matematičkih nauka-biologija 2015. godine. Nakon diplomiranja do septembra 2003. radio je kao saradnik na Katedri (tada Zavod) za medicinsku biohemiju Farmaceutskog fakulteta Univerziteta u Beogradu. Od januara 2004. godine zaposlen je u Centru (tada Institut) za medicinsku biohemiju Kliničkog centra Srbije. Učestvuje kao predavač na doktorskim akademskim studi-



Anđelo Beletić

was born on 10. 01. 1978 in Belgrade. After elementary and high school in Kraljevo, he continued education at Faculty of Pharmacy-University of Belgrade (Study programme Pharmacy – Medical Biochemistry) in 1996. and graduated on 25.01.2002. with average grade 9.31/10.00. The same year he received the „Professor Ivan Berkeš“ Award. He became Specialist of Medical Biochemistry in 2012, PhD in Medical Sciences-Pharmacy in 2014. and Research Associate in the field of Natural and Mathematical Sciences-Biology in 2015. After graduation until September 2003. he worked at the Department of Medical Biochemistry at Faculty of Pharmacy-University of Belgrade. Since 2004. he is employed in the Centre (former Institute) for Medical Biochemistry in Clinical Centre of Serbia. He is engaged as a lecturer on PhD academic studies at Faculty of Veterinary Medicine-University of Bel-

jama na Fakultetu veterinarske medicine Univerziteta u Beogradu, a po pozivu je održao predavanja na dodiplomskim studijama na Hemijskom fakultetu istog Univerziteta. Od 2012. do 2015. godine bio je Member Young Scientist radne grupe Congresses and Postgraduate Education, u okviru European Federation of Clinical Chemistry and Laboratory Medicine (EFLM), odnosno predsednik Komiteta za unapređenje rada podmlatka odnosno član više Komiteta Društva medicinskih biohemičara Srbije. Bio je jedan od koordinatora 9th EFLM Symposium for Balkan Region održanog. U periodu jun 2013 – jun 2015. bio je Assistant Editor međunarodnog časopisa Biochimia Medica. Objavio je 17 radova u međunarodnim i nacionalnim časopisima, kao i više od 40 saopštenja na skupovima u Srbiji i inostranstvu.

grade. Upon invitation, he was lecturing the undergraduate students at Faculty of Chemistry-University of Belgrade. Between 2012. and 2015. he was Member Young Scientist of the Working Group Congresses and Postgraduate Education, belonging to the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM), as well as the President of the Committee for Professional Engagement of Young Biochemists and member of several other Committees of the Society of the Medical Biochemists of Serbia. He was one of the coordinators of the 9th EFLM Symposium for Balkan Region. In period from June 2013. to June 2015. he was an Assistant Editor of the international journal Biochimia Medica. He has published 17 articles in international and domestic journals, as well as more than 40 proceedings from meetings in Serbia and abroad.

Ana Korać Trkulja

je rođena 12. decembra 1976. godine u Beogradu gde je završila osnovnu i srednju školu. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut upisala je 1995. godine, a diplomirala je 2001. godine. Dobitnica je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student (diplomirani farmaceut) u školskoj 2001/2002 godini. Od 2001. do 2011. godine je radila u farmaceutskoj kompaniji Roche u Beogradu na različitim pozicijama od kojih najduže na poziciji direktora onkološke jedinice od 2005. do 2011. godine. Akademsko usavršavanje nastavlja od 2012. do 2014. godine u Londonu gde završava MBA na London Business



Ana Korać Trkulja

was born in December 12, 1976 in Belgrade where she also completed elementary and high school. She enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy program) in 1995 and graduated in 2001. Ana received „Prof. Dr Ivan Berkeš“ annual award as the best student in class 2001/2002. From 2001–2011 Ana worked at the pharmaceutical company Roche in Belgrade where she held various positions including Oncology Business Unit Director from 2005–2011. Ana continued her education in London from 2012–2014 where she earned the MBA diploma from London Business School. Since 2015 Ana has been

School. Od 2015. godine radi u Londonu kao direktor u globalnom konsalting timu kompanije IQVIA koja je svetski lider u oblasti usluga, podataka i tehnologija u zdravstvu. U IQVIA-i Ana trenutno vodi velike globalne projekte iz oblasti kao što su strategija razvoja i lansiranja novih lekova i medicinskih uređaja, digitalne tehnologije u zdravstvu, razvoj biotehnoloških kompanija, itd. Ana takođe ima bogato iskustvo kao poslovni savetnik i mentor internacionalnih start-up kompanija kako iz oblasti zdravstva tako i drugih industrija.

working as Associate Principal in IQVIA global consulting team in London. IQVIA is the world leader in providing services, data and technology to the broad spectrum of healthcare clients and Ana is currently leading large scale global projects focusing on drug development and launch strategy, digital health, medical devices, emerging bio-pharma, etc. Ana also has a rich experience as start-up business advisor and mentor both in healthcare and other industry sectors.

Srđan Dragović

je rođen 14. 06. 1977. godine u Beogradu. U osnovnoj školi je bio Vukovac i đak generacije, a u Trećoj beogradskoj gimnaziji je bio Vukovac. Famaceutski fakultet je upisao 1996. godine, a diplomirao 2003. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut – medicinski biohemičar u školskoj 2002/2003. godini. Od 2005. godine je na doktorskim studijama na Vanderbilt University u Nešvilu, Tenesi na smeru za mikrobiologiju i imunologiju. Doktorat brani 2011. godine pod nazivom „Proteasomes, TAP, and endoplasmic reticulum-associated aminopeptidase associated with antigen processing (ERAAP) control CD4+ Th cell responses by regulating indirect presentation of MHC class II-restricted cytoplasmic antigens“. Nakon toga, odlazi na postdoktorske studije iz immunologije sa parazitologijom (malaria) na Yale University u Nju Hejvenu, Konektikat i objavljuje rad



Srđan Dragović

was born 14. 06. 1977 in Belgrade. He was Vukovac and the best student of the generation in the elementary school, and he was Vukovac in Third Belgrade High School. He enrolled University of Belgrade Faculty of Pharmacy in 1996 and graduated in 2003. He received the award „Prof. Dr. Ivan Berkeš“ as the best student in pharmacy-medical biochemistry in 2002/2003. Since 2005, he attended graduate studies in microbiology and immunology at Vanderbilt University in Nashville, TN. He defended his PhD thesis in 2011 titled „Proteasomes, TAP, and endoplasmic reticulum-associated aminopeptidase associated with antigen processing (ERAAP) control CD4+ Th cell responses by regulating indirect presentation of MHC class II-restricted cytoplasmic antigens“. After that, he went to postdoctoral studies in immunology with parasitology (malaria) at Yale University in New Haven, CT, where he published first-author paper „Immunization with AgTRIO, a

pod nazivom „Immunization with AgTRIO, a Protein in Anopheles Saliva, Contributes to Protection against Plasmodium Infection in Mice“ iz oblasti malarije. Trenutno je na drugom postdoktorskom usavršavanju u Ragon Institute of MGH, MIT and Harvard u Bostonu, Masačusets gde radi na poboljšanju antitela protiv malarije i njihovoj potencijalnoj primeni u borbi protiv ove bolesti. Član je American Heart Association. Učestvovao na Epitope Discovery Conference u La Jolla, Kalifornija. Njegov naučno-istraživački rad obuhvata ispitivanje potencijalnih novih pristupa razvoju vakcine protiv malarije.

Protein in Anopheles Saliva, Contributes to Protection against Plasmodium Infection in Mice“. Currently, he is doing his second post-doctoral research at Ragon Institute of MGH, MIT and Harvard in Boston, MA, where he works on the improvement and affinity maturation of malaria antibodies and their potential use to fight this disease. He is a member of American Heart Association. He participated in the Epitope Discovery Conference in La Jolla, CA. His scientific work includes examination of potential new approaches to malaria vaccine development.

Igor Popović

je rođen 21. 11. 1979. u Trgovištu. Srednju farmaceutsku školu završio je u Leskovcu a Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut upisao je 1998. godine i diplomirao 2003. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut u školskoj 2002/2003 godini. Titulu doktora medicinskih nauka-farmacije stekao 2010. godine. Radio je u Agenciji za lekove i medicinska sredstava Srbije na različitim pozicijama (načelnik fito-laboratorije, procenitelj dokumentacije o kvalitetu lekova, rukovodilac farmaceutskog sektora) a od 2016. godine radi kao ekspert za procenu dokumentacije o kvalitetu aktivnih supstanci u Evropskom direktoratu za kvalitet lekova (EDQM) pri Savetu Evrope u Strazburu. Objavio je 6 naučnih radova u međunarodnim časopisima i veliki broj izlaganja na međunarodnim simpozijumima.



Igor Popović

was born on 21. 11. 1979 in Trgovište. He completed high school in Leskovac, enrolled in the Faculty of Pharmacy in Belgrade in 1998, and graduated in 2003. Igor Popović received „Prof. Dr Ivan Berkeš“ annual award as the best student of the class 2002/2003. Additionally, Igor Popović has acquired the Ph.D. title in 2010. With regard to professional career he worked at Medicines and medical devices agency of Serbia at various positions (the head of phyto-laboratory; expert for quality evaluation of medicines; the head of pharmaceutical department). Since 2016 he has been working as assessor (expert for evaluation of documentation with regard to quality of drug substances) at European Directorate for Quality of Medicines (EDQM), Council of Europe in Strasbourg. He published 6 scientific papers in international journals and kept various lectures at international symposiums.

Ana Đorđević-Vujičić

je rođena je 26. 04. 1979. godine u Beogradu gde je završila osnovnu školu i gimnaziju. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut-medicinski biohemičar, upisala je školske 1998/99. godine, a diplomirala 2004. godine sa prosečnom ocenom 9,47. Dobitnik je nagrade Naučnog fonda „Profesor Ivan Berkeš“ kao najbolji student za školsku 2003/04 godinu. U okviru razmene studenata 2003. godine boravila je mesec dana u Nemačkoj. Od školske 2002/2003. bila je stipendista Fondacije za razvoj naučnog i umetničkog podmlatka. Od 2005. godine postaje istraživač-stipendista Ministarstva nauke i zaštite životne sredine Republike Srbije i radi u Institutu za nuklearne nauke „Vinča“, Centru za multidisciplinarna istraživanja i inžinjeringu na projektu „Proteomiks u istraživanju apoptoze: primene u dijagnostici i terapiji hroničnih bolesti“. Godine 2005. stupa u radni odnos u Institutu za neonatologiju u Beogradu. Specijalističke studije iz medicinske biohemije za zdravstvene radnike je završila 2010. godine. Od 2012. godine se nalazi na mestu načelnika biohemisko-hematološke laboratorije Instituta. Ana Đorđević nastavlja saradnju sa Centrom za multidisciplinarna istraživanja i inžinjeringu u okviru koje izvodi istraživanja vezana za svoju doktorsku tezu pod rukovodstvom dr Nevene Veljković. U okviru te saradnje u martu 2006. godine boravi u Institutu za biomedicinska istraživanja „Georg-Speyer-Haus“ u Frankfurtu, Nemačka, gde ispituje prognostičke markere za predviđanje brzine razvoja HIV infekcije. Njen istraživački rad obuhvata *in silico* i *in vitro* analizu anti-



Ana Đorđević-Vujičić

was born on April 26, 1979 in Belgrade, where she finished elementary and high school. She enrolled in the 1998/99 school year at the Faculty of Pharmacy in Belgrade (Master of Pharmacy – Medical Biochemistry), and graduated in 2004 with an average grade of 9.47. She won the award of the Scientific Foundation „Professor Ivan Berkeš“ as the best student for the class 2003/04. As part of a student exchange in 2003, she spent a month in Germany. From the school year 2002/2003 she was a scholarship holder of the Foundation for the Development of Scientific and Artistic Youth. Since 2005, she has become a researcher-scholarship holder of the Ministry of Science and Environmental Protection of the Republic of Serbia and works at the Vinča Institute of Nuclear Sciences, Centre for Multidisciplinary Research and Engineering on the project „Proteomics in apoptosis research: applications in diagnosis and treatment of chronic diseases“. In 2005, she started job at the Institute of Neonatology in Belgrade. She completed specialist studies in medical biochemistry for healthcare workers in 2010. Since 2012, she has been the head of the biochemical-haematological laboratory of the Institute. Ana Djordjević continues her cooperation with the Centre for Multidisciplinary Research and Engineering, within which she conducts research related to her doctoral thesis under the leadership of Dr. Nevena Veljković. As part of this collaboration, in March 2006 she visited the Georg-Speyer-Haus Institute for Biomedical Research in Frankfurt, Germany, where she tested prog-

genskih determinanti urođenog imunskog odgovora i njihovu potencijalnu primenu kao biohemijskih markera. Doktorsku disertaciju pod nazivom: „Selekcija specifičnih antigena virusa humane imunodeficijencije i virusa hepatitisa C za prognostičke i dijagnostičke ELISA testove korišćenjem bio-informatičkih metoda“ odbranila je 2013. godine na Farmaceutskom fakultetu u Beogradu i stekla zvanje: Doktor medicinskih nauka-farmacija. U zvanje istraživač saradnik izabrana je 2011. godine, a od 2015. godine je u zvanju naučni saradnik.

nostic markers for predicting the rate of HIV infection. Her research work includes *in silico* and *in vitro* analysis of antigenic determinants of the innate immune response and their potential application as biochemical markers. She defended her doctoral dissertation entitled: „Selection of specific antigens of human immunodeficiency virus and hepatitis C virus for prognostic and diagnostic ELISA tests using bioinformatics methods“ in 2013 at the Faculty of Pharmacy in Belgrade and acquired the title: Doctor of Medical Sciences-Pharmacy. She was elected research assistant in 2011, and since 2015 she has been a research associate professor.

Marija Makojević (rođ. Petronijević)

je rođena 27. 08. 1978. godine u Kragujevcu. Diplomirala je 2003. godine na Farmaceutskom fakultetu Univerziteta u Beogradu. Dobitnik je nagrade iz Fonda „Prof. dr Ivan Berkeš“ kako najbolji diplomirani student školske 2003/04 godine. Na istom fakultetu je 2008. godine stekla zvanje specijaliste Farmaceutske zdravstvene zaštite, a zatim i titulu doktora farmaceutskih nauka 2013. godine odbranivši disertaciju pod nazivom „Farmakoepidemiološka studija spontano prijavljenih hepatotoksičnih reakcija na lekove i biljne dijetetske suplemente“. Radila je na Farmaceutskom fakultetu Univerziteta u Beogradu, i to u Institutu za farmaceutsku tehnologiju i kozmetologiju školske 2003/04. godine kao saradnik u praktičnoj nastavi i Institutu za farmakokinetiku od 2005. godine



Marija Makojević (born Petronijević)

was born in 27. 08. 1978 in Kragujevac. She graduated in 2003 from the Faculty of Pharmacy, University in Belgrade. As the best graduated student 2003/04 she won the award of the Scientific Fund „Professor Ivan Berkeš“. She specialized in 2008 in pharmaceutical care, and defended her PhD thesis „Pharmacoepidemiological study of spontaneously reported hepatotoxic reactions of drugs and herbal dietary supplements“ in 2013 at the Faculty of Pharmacy, University in Belgrade. At the beginning of her professional career she worked as a teaching and research assistant at the Faculty of Pharmacy in Belgrade – Institute of Pharmaceutical Technology and Cosmetology in 2003/04, and Institute of pharmacokinetics from 2005 to 2007. Thereafter, Marija Makojević moved to the

do 2007. godine kao asistent-pripravnik. Sa fakulteta prelazi u Agenciju za lekove i medicinska sredstva Srbije (ALIMS) gde je provela skoro 10 godina, i to na poslovima procene postmarketinških informacija o bezbednosti lekova u Nacionalnom centru za farmakovigilancu i koordinaciji poslova u oblasti farmakovigilance, kao i na procenama dokumentacije za registraciju generičkih lekova (studije biološke ekvivalentnosti). Bila je uključena u brojne edukativne programe iz oblasti farmakovigilance, među kojima su najznačajniji realizovani u okviru projekta ALIMS-a sa francuskom regulatornom agencijom (Twinning Project between French Health Product Safety Agency (AFSSAPS) and Medicines and Medical Devices Agency of Serbia (ALIMS)). Predstavljala je našu zemlju na dva svetska skupa nacionalnih centara farmakovigilance u organizaciji Svetske zdravstvene organizacije. Od 2017. godine živi i radi u Nemačkoj gde je nastavila da se bavi farmakovigilancem u internacionalnoj inovativnoj farmaceutskoj kompaniji.

Medicines and Medical Devices Agency of Serbia (ALIMS) where she was mainly engaged as an assessor of postmarketing drug safety and a coordinator of pharmacovigilance affairs, but also performed evaluation of bioequivalence studies for the purpose of marketing authorization of generic drugs. She has been involved in numerous educational programs in the field of pharmacovigilance, the most important being conducted within the twinning project between the French Health Product Safety Agency and the Medicines and Medical Devices Agency of Serbia. She was a Serbian representative in two world meetings of the national pharmacovigilance centers organized by the World Health Organization. Since 2017 Marija Makojević lives in Germany where she has continued her professional work in the field of pharmacovigilance within an international innovative pharmaceutical company.

Marko Racković

rođen 05. 05. 1980. u Rumi gde je završio osnovnu školu i gimnaziju „Stevan Pužić“. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut-medicinski biohemičar upisao je 1999. godine, a diplomirao je 2004. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut-medicinski biohemičar u školskoj 2004/2005. godini. Od 2005–2007. je radio u kompaniji Makler d.o.o. iz Beograda



Marko Racković

was born on 05. 05. 1980 in Ruma where he completed elementary school and Gymnasium „Stevan Pužić“ He enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy-medical biochemistry) in 1999, and graduated in 2004. Marko Racković received „Prof. Dr Ivan Berkeš“ annual award as the best student of the class 2004/2005. From 2005–2007 he worked in company Makler Ltd. from Belgrade, at the

kao menadžer prodaje derivata humane plazme. Godine 2007. u Beogradu osniva regionalnu kompaniju Mar Medica d.o.o. koja se sve do danas bavi prodajom i distribucijom proizvoda u hirurgiji i anesteziji. Od 2015. je evropski regionalni menadžer a od 2018. potpredsednik i globalni direktor prodaje u danskoj kompaniji Vivostat A/S koja je lider u inovativnim rešenjima hirurške hemostaze i regenerativne medicine u kardiovaskularnoj hirurgiji, ortopediji i hirurgiji digestivnog sistema. Pohađao i organizovao brojne međunarodne napredne kurseve iz oblasti hirurgije, novih hirurških tehnika i regenerativne medicine u hirurgiji. Oženjen, otac troje dece. Prebivalište: Kopenhagen, Danska.

position of sales division manager for human plasma derivative products. In 2007 Marko established regional medical devices distribution company Mar Medica Ltd. focused in different surgical disciplines and anesthesia. He became European area sales manager in 2015 and in 2018. Vice president global sales and marketing at Danish company Vivostat A/S which is a leading company with innovative solutions in surgical haemostasis and regenerative medicine in cardiovascular, orthopaedic and GI surgery. He attended and organized international advance courses in different surgical fields, new surgical approaches and regenerative medicine in surgery. Married, father of three kids. Residence: Copenhagen, Denmark.

Sladjana Simic (rođ. Stanojković)

je rođena 13. 07. 1980. u Leskovcu. Osnovnu i srednju školu završila je u Leskovcu. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut upisala je 1999. godine, a diplomirala je 2005. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut u školskoj 2004/2005 godini. Karijeru započinje 2005. godine u kompaniji Peyton Medical na poziciji Regulatory Affairs Officer, radeći na registraciji lekova kompanije Teva Pharmaceuticals. Od 2006. do 2014. godine radila je u kompaniji Merck, Sharp & Dohme na različitim pozicijama – Sales Representative, Product Specialist i Sales & Customer Manager. Nakon toga provodi četiri godine



Sladjana Simic (born Stanojković)

was born on July 13, 1980 in Leskovac. She graduated from elementary and high school in Leskovac. In 1999, she enrolled at the Faculty of Pharmacy in Belgrade (Master of Pharmacy) and graduated in 2005. She was awarded „Prof. Dr. Ivan Berkeš“ award as the best graduate pharmacist in the school year 2004/2005. She began her career in 2005 with Peyton Medical on the position of Regulatory Affairs Officer, working on the marketing authorization of Teva pharmaceuticals products. From 2006 to 2014 she worked at Merck, Sharp & Dohme in various positions – Sales Representative, Product Specialist and Sales & Customer Manager. She then spent four years at Pfizer on the position of

u kompaniji Pfizer na poziciji Oncology Specialist. MBA studije završava od 2014–2016. godine sa diplomom Cardiff Metropolitan Univerziteta. Od 2019. godine je zaposlena u kompaniji PharmaSwiss gde trenutno radi na poziciji Product Manager. Slađana Simić je u svojoj dosadašnjoj karijeri u farmaceutskoj industriji imala prilike da radi na promociji lekova iz različitih terapijskih oblasti – dijabetes, osteoporoz, dermatologija, psihijatrija, onkologija i urologija. Njena zaduženja su bila u oblastima marketinga i prodaje u okviru farmaceutskog poslovanja. Trenutno je zadužena za marketing onkološkog portfolija kompanije PharmaSwiss.

Oncology Specialist. She completed MBA studies from 2014–2016 with a degree from Cardiff Metropolitan University. From 2019 she is working for PharmaSwiss, where she currently works as Product Manager. In her career in the pharmaceutical industry, Slađana Simić had the opportunity to work on the promotion of products from different therapeutic areas – diabetes, osteoporosis, dermatology, psychiatry, oncology and urology. Her responsibilities were in the fields of marketing and sales within the pharmaceutical business. She is currently in charge of marketing Pharma Swiss oncology portfolio.

Tijana Krnjeta Janićević

je rođena 06. 06. 1981. u Beogradu. Osnovnu i srednju školu završila je u Beogradu. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut-medicinski biohemičar upisala je 2000. godine, a diplomirala je 2006. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut-medicinski biohemičar u školskoj 2005/2006. godini. Od 2007. godine do 2009. godine bila je zaposlena u firmi Makler d.o.o., kao stručni saradnik za oblast biohemije i imunohemije. Od 2009. godine do 2014. godine je bila zaposlena u kompaniji Roche Diagnostics PO Serbia, kao koordinator Sektora za aplikacije. Od 2014. godine do 2016. godine bila je zaposlena u kompaniji Roche d.o.o. Beograd, poslovna jedinica Dijagnostika, kao Menadžer za me-



Tijana Krnjeta Janićević

was born on 06. 06. 1981 in Belgrade. She completed elementary and high school in Belgrade. She enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy-medical biochemistry) in 2000, and graduated in 2006. Tijana Krnjeta Janićević received „Prof. Dr. Ivan Berkeš“ annual award as the best student of the class 2005/2006. She worked at Makler d.o.o, in period between 2007 and 2009, as Product Specialist Clinical Chemistry and Immunochemistry. From 2009 until 2014, Roche Diagnostics PO Serbia employed her as a Product Specialist for Immunology, Clinical Chemistry & Indication Marketing. From 2014 until 2016, she worked at Roche d.o.o. Beograd as Medical Marketing and Product Support Manager. From 2016, she has been

dicinski marketing i podršku proizvodima. Od 2016. godine zaposlena je u kompaniji Roche Diagnostics International, Switzerland, u odeljku Medical and Scientific Affairs kao internacionalni medicinski menadžer, gde je zadužena za kreiranje i vođenje globalne stragije kompanije u oblasti srčanih markera, markera srčane insuficijencije, koja obuhvata planiranje i vođenje globalnih kliničkih studija, komunikaciju sa globalnim stručnjacima i planiranje globalne edukativne strategije za datu oblast. Titulu doktora medicinskih nauka -farmacija stekla je 2016. godine. Autor je dva rada u međunarodnim i nacionalnim časopisima, koji su objavljeni iz doktorske disertacije, i 12 saopštenja na međunarodnim i skupovima od nacionalnog značaja. Tokom svoje radne karijere, sarađivala je sa Evropskom asocijacijom za srčanu insuficijenciju (Heart Failure Association, HFA), Evropskim udruženjem kardiologa (European Society of Cardiology, ESC) i Evropske asocijacije za studje u dijabetesu (European Association for Study of Diabetes, EASD) na nekoliko edukativnih projekata i vodila globalni edukativni simpozijum kompanije Roche proCardio 2016. Trenutno vodi globalne studije Asian Diabetes Outcomes Prevention Trial (ADOPT) i Safety, Tolerability and efficacy of Rapid Optimization, helped by NT-proBNP and GDF-15, of Heart Failure therapies (STRONG-HF). Njeno naučno interesovanje uključuje ispitivanje kliničke primene srčanih biomarkera za bolji menadžment pacijenata sa srčanom insuficijencijom.

working as International Medical Affairs Manager for cardiac biomarkers, heart failure, in Global Medical and Scientific Affairs at Roche Diagnostics International, Switzerland, responsible for creating and driving the global medical strategy for heart failure biomarkers, which covers planning and execution of global clinical studies, key opinion leader's engagement and planning of global educational activities. Tijana Krnjeta Janićević has acquired the Ph.D. title in 2016. She was the author of two research papers in international and national journals from her PhD research, as well as author of 12 scientific communications at international or national congresses. During her career, she has been collaborating with Heart Failure Association (HFA), European Society of cardiology (ESC) and European Association for Study in Diabetes (EASD) on several educational projects as well as being the lead for Roche Symposium proCardio 2016. She is currently leading global studies Asian Diabetes Outcomes Prevention Trial (ADOPT) and Safety, Tolerability and efficacy of Rapid Optimization, helped by NT-proBNP and GDF-15, of Heart Failure therapies (STRONG-HF). Her scientific research includes use of cardiac biomarkers in improved heart failure management.

Dragana Stanković (rođ. Tašić)

je rođena 23. 01. 1982. u Vranju. Osnovnu i srednju školu završia je u Vladičinom Hanu. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut upisala je 2000. godine, a diplomirala je 2006. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut u školskoj 2005/2006. godini, kao i nagrade Univerziteta u Beogradu kao najbolji student generacije Farmaceutskog fakulteta u školskoj 2005/2006. godini. Od 2007. do 2010. godine bila je zaposlena u farmaceutskoj kompaniji Pharmanova doo u sektoru Obezbeđenja kvaliteta, gde je bila uključena u implementaciju smernica Dobre proizvođačke prakse i HACCP standarda u novom proizvodnom pogonu kompanije. Specijalističke studije Industrijske farmacije završila je 2012. godine sa specijalističkim radom na temu „Odgovornosti i dužnosti kvalifikovane osobe za puštanje leka u promet“. Od 2010. godine zaposlena je u farmaceutskoj kompaniji PharmaS doo na poziciji menadžera proizvodnje, a kao odgovorna osoba za proizvodnju. U toku svoje profesionalne karijere Dragana Stanković je imala jednu od ključnih uloga u projektovanju, planiranju i realizaciji projekta izgradnje novog pogona za proizvodnju lekova u Zrenjaninu. Njen profesionalni rad je usmeren na planiranje, kontrolu i optimizaciju procesa proizvodnje i distribucije lekova, te na kontinuirano unapređenje poslovanja uz poštovanje propisanih smernica dobrih praksi u proizvodnji i distribuciji lekova.



Dragana Stanković (born Tašić)

was born on 23.01.1982 in Vranje. She completed elementary and high school in Vladičin Han. She enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy) in 2000, and graduated in 2006. Dragana Stanković received „Prof. Dr. Ivan Berkeš“ annual award

as the best student of the class 2005/2006, and University of Belgrade annual award as best student of Faculty of Pharmacy of the class 2005/2006. She has been employed at pharmaceutical company Pharmanova from 2007. till 2010. in quality assurance department, where she was involved in implementation of GMP and HACCP standard in new company production plant. In 2012. Dragana Stanković finished specialist academic studies in Industrial pharmacy, with specialist work „Responsibility and duties of Qualified Person“. Since 2010. she has been employed in pharmaceutical company PharmaS as production manager and person responsible for production. During her professional career, Dragana Stanković had one of key role in designing, planning and realisation of the project of construction new plant for drug production in Zrenjanin. Her professional work is focused in planning, control and optimization of drug production and distribution process, as well as in continuous business improvement respecting current Good Manufacturing and Good Distribution practices guidelines.

Miron Sopić

je rođen 07. 08. 1982. u Sarajevu. Osnovnu i srednju školu završio je u Beogradu. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut-medicinski biohemičar upisao je 2001. godine, a diplomirao je 2007. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut – medicinski biohemičar u školskoj 2006/2007 godini. Od 2007. godine zaposlen je na Katedri za medicinsku biohemiju Farmaceutskog fakulteta. Titulu doktora medicinskih nauka – farmacija stekao 2016. godine. Uzvanje docenta na Katedri za medicinsku biohemiju Farmaceutskog fakulteta izabran je 2017. godine. Tokom svoje akademske karijere, Miron Sopić je učestvovao je u realizaciji dva domaća i više međunarodnih naučno-istraživačkih projekata. Od 2017. godine, Miron Sopić je aktivni član Naučnog odbora Srpskog kongresa medicinske biohemije i laboratorijske medicine. 2018. godine bio je član Naučnog odbora internacionalnog kongresa „Laboratory Medicine: Meeting the Needs of Mediterranean Nations“ u organizaciji IFCC-a, FIFBCML-a, EFLM-a i AFCB. Njegovom inicijativom, u okviru Društva medicinskih biohemičara Srbije, 2017. godine formiran je Komitet mlađih istraživača po ugledu na IFCC Task Force Young Scientists. Kao gostujući predavač 2019. godine je boravio na Katedri za kliničku biohemiju, Farmaceutskog fakulteta, Univerziteta u Ljubljani. Trenutno obavlja funkciju zamenika člana Upravnog odbora COST akcije (CA17129 – CardioRNA) i ko-koordinatora za Srbiju u CEEPUS III akciji. Njegovo naučno-istraživačko interesovanje uključuje ispitivanje molekularnih mehanizama koji povezuju inflamaciju, starenje i kardio-metaboličke bolesti.



Miron Sopić

was born on 07. 08. 1982 in Sarajevo. He completed elementary and high school in Belgrade. He enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy-medical biochemistry) in 2001, and graduated in 2007. Miron Sopić received „Prof. Dr. Ivan Berkeš“ annual award as the

best student of the class 2006/2007. He has been employed at the Department of Medical Biochemistry, Faculty of Pharmacy in Belgrade since 2007. Miron Sopić has acquired the Ph.D. title in 2016. In 2017, he was promoted to assistant professor. During his academic career, Miron Sopić took part in two national and several international research projects. Since 2017, Miron is an active member of The Scientific Board of Serbian Congress of Medical Biochemistry and Laboratory Medicine. In 2018, he was a member of Scientific Committee of „Laboratory Medicine: Meeting the Needs of Mediterranean Nations“ congress organized by IFCC, FIFBCML, EFLM and AFCB. He initiated the formation of the Committee for young researchers, modelled after IFCC Task Force Young Scientists, which operates under auspices of Society for Medical Biochemists of Serbia. In 2019, he was guest lecturer at the Department for Clinical Biochemistry, Faculty of Pharmacy, University of Ljubljana. Currently, he is MC substitute in COST Action (CA17129 – CardioRNA) and co-coordinator for Serbian partner at the CEEPUS III project. His research interest is focused on the investigation of molecular mechanisms linking inflammation, aging, and cardio-metabolic diseases.

Ivana Smiljanić (devojačko Kocić)

je rođena 03. 01. 1982. godine u Aleksincu, gde je završila osnovnu školu i gimnaziju prirodno-matematičkog smera. Farmaceutski fakultet Univerziteta u Beogradu, smer diplomirani farmaceut, upisala je školske 2001. godine, a diplomirala 2007. godine, sa prosečnom ocenom 9,81. U toku studija, od 2002. godine, bila je stipendista Ministarstva prosvete, a od 2005. godine i stipendista Fondacije Hemofarm. Dobitnik je nagrade „Profesor Ivan Berkeš“ za najboljeg studenta diplomiranog farmaceuta u školskoj 2006/2007. godini i nagrade Univerziteta u Beogradu za studenta generacije Farmaceutskog fakulteta u školskoj 2006/2007. godini. Školske 2007/2008. godine upisala je doktorske akademske studije iz Farmakokinetike i kliničke farmacije na Farmaceutskom fakultetu Univerziteta u Beogradu. Doktorsku disertaciju pod nazivom „*Biofarmaceutska karakterizacija tableta sa trenutnim oslobođanjem levotiroksin-natrijuma*“ odbranila je 2013. godine i time stekla titulu doktora medicinskih nauka-farmacije. Ivana Smiljanić je položila stručni ispit za farmaceuta 2008. godine. Od 2008. do 2014. godine je bila zaposlena na mestu stručnog saradnika u Kontroli kvaliteta u Galenici a.d. i bavila se ispitivanjem stabilnosti lekova, izradom protokola i izveštaja stabilnosti i pripremom registracione dokumentacije. Ivana Smiljanić je dobila norvešku autorizaciju za farmaceuta 2014. godine i od tada živi i radi u Oslo. Trenutno je zaposlena u Norsk Medisinaldepot, najvećoj norveškoj vеleprodaji lekova i medicinskih sredstava i radi kao odgovorni farmaceut za snabdevanje lekovima ustanova primarne zdravstvene zaštite u norveškim opštinama.



Ivana Smiljanić (maiden name Kocić)

was born on 03. 01. 1982 in Aleksinac, where she completed elementary and high school. She enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy) in 2001, and graduated in 2007 with an average grade 9.81. In 2002, she got a scholarship from

Ministry of Education in Serbia, and she was stipendist of the Hemofarm Foundation from 2005. Ivana Smiljanić received „Professor Ivan Berkeš“ annual award as the best pharmacy student of the class 2006/2007, and The University of Belgrade Award for the best student of the class 2006/2007 at the Faculty of Pharmacy. In 2007, she enrolled in PhD studies in Pharmacokinetics and Clinical Pharmacy and finished the program in 2013 by defending doctoral thesis entitled „*Bio pharmaceutical characterization of levothyroxine sodium immediate-release tablets*“. Ivana Smiljanić passed the state license exam for pharmacists in 2008. She was employed in Galenika ad as an associate in the Quality Control Department from 2008 to 2014. She was responsible for drug stability testing, the preparation of drug stability protocols and reports, and the preparation of registration documentation related to drug stability. In 2014, she received Norwegian authorization for pharmacist. Since then, she has been living and working in Oslo. She is currently working in Norsk Medisinaldepot, the biggest pharmaceuticals and healthcare products wholesaler in Norway, as pharmacist responsible for supply of medicines to municipality based health care services in Norway.

Jelena (Parezanović) Sretenović

je rođena 19. 09. 1983. u Ivanjici. Osnovnu i srednju školu završila je u Ivanjici. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut-medicinski biohemičar upisala je 2002. godine, a diplomirala je 2008. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut-medicinski biohemičar u školskoj 2007/2008 godini. Od 2008. do 2010. godine radila je u Zavodu za laboratorijsku dijagnostiku „Konzilijum“ kao medicinski biohemičar. Od 2011. godine zaposlena je u kompaniji Yunycom d.o.o. u Beogradu, prvo na poziciji Menadžer proizvoda a potom na poziciji Rukovodilac odseka za upravljanje proizvodima. Stekla je dugogodišnje iskustvo u oblasti *in-vitro* dijagnostičkih medicinskih sredstava. Učestvovala je na brojnim obukama i treninzima organizovanim od strane renomiranih svetskih proizvođača laboratorijske opreme kao što su Sysmex, Biomerieux, Diasorin i drugi. U toku karijere se specijalizovala u oblasti hematoloških brojača i održala više od 200 obuka za rad na hematološkim brojačima i ostaloj laboratorijskoj opremi na teritoriji Srbije, Bosne i Hercegovine i Crne Gore. Uporedo sa sticanjem stručnih znanja u oblasti medicinske biohemije i hematologije, usavršavala se na polju poslovnih veština, upravljanja proizvodima i vođenju timova. Nastavlja obrazovanje u oblasti marketinga.



Jelena (Parezanović) Sretenović

was born on 19. 09. 1983 in Ivanjica. She completed elementary and high school in Ivanjica. She enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy-medical biochemistry) in 2002, and graduated in 2008.

Jelena (Parezanović) Sretenović received „Prof. Dr. Ivan Berkeš“ annual award as the best student of the class 2007/2008. From 2008 to 2010, she worked at the Laboratory „Konzilijum“ as a medical biochemist. Since 2011 she has been employed at Yunycom d.o.o. in Belgrade, first on the position of Product Manager and then on the position of Head of Product Management. She has gained years of experience in the field of IVD medical devices. She has participated in numerous courses and trainings organized by renowned world manufacturers of laboratory equipment such as Sysmex, Biomerieux, Diasorin... During her career she specialized in the field of hematology counters and held over 200 trainings on hematology counters and other laboratory equipment in the assigned territory of Serbia, Bosnia and Herzegovina and Montenegro. Along with acquiring professional knowledge in the field of medical biochemistry and hematology, she improved her skills in the field of business, product management and team management. She continues her education in the field of marketing.

Gordana Draganac Trifunović

je rođena 13. 10. 1983. u Kruševcu. U periodu od septembra 1990. do juna 1998. pohađala je Osnovnu školu „Moša Pijade“ u Velikoj Drenovi i bila učenik generacije. Potom je upisala Gimnaziju „Vuk Karadžić“ u Trsteniku, prirodno-matematički smer i završila 2002. godine. Oktobra 2002. upisala je Farmaceutski fakultet Univerziteta u Beogradu, smer diplomirani farmaceut. Prosečna ocena tokom studija: 9.87. Diplomirala je 25. 12. 2007. na predmetu Medicinska biohemija sa ocenom 10 i stekla zvanje: diplomirani farmaceut. U martu 2014. završila je Specijalističke akademske studije, drugog stepena, na studijskom programu Farmakoterapija u farmaceutskoj praksi na Farmaceutskom fakultetu Univerziteta u Beogradu u trajanju od 3 semestra, obima 90 bodova ESPB sa prosečnom ocenom 9,92. Stekla je akademski naziv: specijalista farmacije. U periodu od maja 2008. do maja 2010. bila je zaposlena u veletrgovinskom preduzeću „BG-pharm D.O.O.“ u Beogradu na radnom mestu: referent prodaje. Radila je na ostvarivanju kontakata sa kupcima: državnim i privatnim apotekama i drugim veledroge rijama i uspešno unapređivala menadžerske i ekonomske sposobnosti. Od maja 2010. godine zaposlena je u Galenici a.d. na radnom mestu: Viši stručno-komercijalni saradnik u sektoru Marketinga i prodaje. Odradila je staž u trajanju od godinu dana u: ZU Apoteka „Higija farm“, Kliničkoj apoteci, Agenciji za lekove i medicinska sredstva Srbije i Zavodu za socijalnu farmaciju. Položila je stručni ispit za diplomiranog farmaceuta pred Ispitnom komisijom Mini-



Gordana Draganac Trifunović

was born on October 13, 1983 in Kruševac. In the period from September 1990 to June 1998, she attended the Elementary School „Moša Pijade“ in Velika Drenova, where she was awarded as a best pupil in her generation and got prestigious „Vuk Karadžić“ diploma for highest GPA (5.00/5.00). She graduated from the High School „Vuk Karadžić“, Trstenik, in 2020. In October 2002, she was enrolled at the Faculty of Pharmacy, University of Belgrade, majoring in Pharmacy. Gordana defended bachelor thesis from the field Medical Biochemistry on December 25, 2007, with the highest grade (10/10) and acquired the title of graduate pharmacist, with a GPA 9.87/10. She completed a one-year internship in the following institutions: „ZU Apoteka Higija farm“, the Clinical Pharmacy, the Medicines and Medical Devices Agency of Serbia and the Institute for Social Pharmacy of Serbia. The Ministry of Health Examination Commission assessed that she successfully passed the professional exam for a graduate pharmacist. In March 2014, she completed the Specialization Academic Studies, second degree, at the study program Pharmacotherapy in Pharmaceutical Practice at the Faculty of Pharmacy, University of Belgrade, with a GPA 9.92/10 and acquired the academic title Pharmacy Specialist. In the period from May 2008 to May 2010, she was employed in the wholesale company „BG-pharm DOO“, Belgrade, as a sales officer. She diligently worked on establishing good and long-lasting contacts with customers, including state and private pharmacies and other wholesalers, and successfully improved managerial and

starstva zdravlja. Dobila je sledeća priznanja i nagrade: od septembra 1998. – juna 2002 osvojila je brojna mesta na opštinskim, okružnim i republičkim takmičenjima iz srpskog jezika i književnosti, matematike i fizike. Na prijemnom ispitu za upis u gimnaziju bila prva na jedinstvenoj rang listi sa osvojenih maksimalnih 100 poena. Septembar 1993. – jun 1998. proglašena za nosioca diplome „Vuk Karadžić“ i učenika generacije Osnovne škole „Moša Pijade“ u Velikoj Drenovi. Osvojila je drugo mesto na Republičkom takmičenju iz srpskog jezika i književnosti u Tršiću, zbog čega je bila oslobođena polaganja prijemnog ispita iz srpskog jezika i književnosti pri upisu u gimnaziju „Vuk Karadžić“ u Trsteniku, što je prvi slučaj u istoriji ove gimnazije. Osvojila je brojna mesta na opštinskim i okružnim takmičenjima iz matematike i srpskog jezika i na literarnim konkursima „Krv - život znači“ i „Sveti Sava“. Juna 2002. u gimnaziji „Vuk Karadžić“ u Trsteniku proglašena za učenika generacije i nosioca diplome „Vuk Karadžić“. Prisustvovala na svečanom prijemu kraljevske porodice Karađorđević na Belom Dvoru na Dedinju, gde su bili pozvani učenici generacija svih srednjih škola naše zemlje. Na prijemnom ispitu za upis na fakultet bila je prva na jedinstvenoj rang listi sa osvojenih maksimalnih 100 poena. 4.09.2009. proglašena je za najboljeg studenta u svojoj generaciji od strane Rektorata Univerziteta u Beogradu na svečanosti povodom proslave Dana Univerziteta u Beogradu. Dobila je nagradu od rektora Univerziteta u Beogradu, prof. Dr Branka Kovačevića. Decembra 2008. proglašena za najboljeg studenta u svojoj generaciji i dobila nagradu Fonda „Profesor Ivan Berkeš“. Aprila 2005. proglašena je za

economic skills. Since May 2010, Gordana is employed at Galenika PIC, as a senior professional and commercial associate in the Marketing and Sales department. She received the numbers of honors and awards: September 1993 – June 1998 she was awarded as a best pupil in her generation and got prestigious „Vuk Karadžić“ diploma at the Elementary School „Moša Pijade“ in Velika Drenova. She won second place at the republic competition from Serbian language and literature course in Tršić, and, as the award, she did not have to take the entrance exam from Serbian language and literature when enrolling the High School „Vuk Karadžić“ in Trstenik, which is the first case in the history of the school. Won numerous awards at competitions at municipal and region levels from mathematics and Serbian language courses and at the literary competitions „Blood – it is the life“ and „Saint Sava“. In period of September 1998 – June 2002 she won numerous awards at competitions on municipal, regional and republic levels, from Serbian language and literature, mathematics and physics courses. Gordana got the highest score at the entrance exam for high school enrolment. From September 1998 – June 2002 she won numerous awards at competitions on municipal, regional and republic levels, from Serbian language and literature, mathematics and physics courses. June 2002 – awarded as a best pupil in her generation and got prestigious „Vuk Karadžić“ diploma at the High School „Vuk Karadžić“, Trstenik and attended the ceremony organized by the Serbian royal family Karađordjević for the best pupils from all Serbian high schools at the White Palace in Dedinje. Gordana got the highest score at the entrance exam at the Faculty of Pharmacy,

najboljeg studenta u Studentskom domu „4. april” od strane Studentskog Centra Beograd. Od oktobra 2002. – oktobra 2007 dobila je brojne nagrade i to: Fondacije „Hemofarm”, Fonda za mlade talente Ministarstva prosvete i sporta Republike Srbije nakon velikog uspeha na psihološkom testiranju na Filozofskom fakultetu u Beogradu, Zadužbine „Studenica”, Fonda „Mihailo Pupin” Srpske narodne odbrane u Americi, EFG banke, Fondacije za mlade talente opštine Trstenik. Udata je i majka troje dece.

University of Belgrade. In April 2005 – Awarded as the best student of the Student Dormitory „April 4” by the Student Centre of Belgrade. December 2008 – Awarded as the best student of her generation and received the „Professor Ivan Berkeš” Fund Award. September 2009 – Awarded as the best student in her generation by the Rectorate of the University of Belgrade by the rector of the University of Belgrade, prof. Dr. Branko Kovacevic, at a celebration of the Day of the University of Belgrade. From October 2002 to October 2007 she received numerous awards by: Hemofarm Foundation, Fund for Young Talents of the Ministry of Education and Sport of the Republic of Serbia, Studenica Foundation, Mihailo Pupin Foundation of the Serbian National Defense from Chicago, USA, EFG Bank, Foundation for Young Talents of the Municipality of Trstenik. Gordana is married and is the mother of three children.

Jelena Pantić Biševac

je rođena 23. 10. 1984. godine u Kragujevcu, gde je završila osnovnu školu i „Prvu kragujevačku gimnaziju”. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut – medicinski biohemičar upisala je 2003. godine, a diplomirala je 2009. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš” kao najbolji student diplo-



Jelena Pantić Biševac

was born on 23. 10. 1984 in Kragujevac. She completed elementary and high school in Kragujevac. She enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy – medical biochemistry) in 2003, and graduated in 2009. Jelena Pantić Biševac received „Prof. Dr. Ivan Berkeš” annual award as the best student of the class

mirani farmaceut – medicinski biohemičar u školskoj 2008/2009 godini. Titulu doktora medicinskih nauka stekla je 2018. godine. Autor i koautor je tri rada u međunarodnim časopisima kategorije M23 i M52. Od 2012. godine do 2018. godine bila je zaposlena u službi za laboratorijsku dijagnostiku Instituta za medicinsku biohemiju VMA. Od 2019. godine radi kao stručni saradnik u oblasti medicinske biohemije.

2008/2009. Jelena Pantić Biševac acquired PhD title in 2018. She is the author and co-author of three papers in international journals M23 and M25 category. In the period from 2012 to 2018, she was employed at the Institute of Medical Biochemistry of the Military Medical Academy. Since 2019, Jelena has been employed as product manager in the field of medical biochemistry.

Vladimir Dobričić

je rođen u Beogradu 9. aprila 1984. godine, gde je završio osnovnu školu i gimnaziju. Diplomirao je 2009. godine na Univerzitetu u Beogradu – Farmaceutskom fakultetu sa prosečnom ocenom 9.87. Proglašen je od strane Društva medicinskih biohemičara i naučne fondacije „Prof. dr Ivan Berkeš“ za najboljeg studenta diplomiranog farmaceuta u školskoj 2008/2009. godini. Od strane Univerziteta u Beogradu, proglašen je za najboljeg studenta generacije Univerziteta u Beogradu – Farmaceutskog fakulteta koji je diplomirao u školskoj 2008/2009. godini. Od 2011. godine zaposlen je na Katedri za farmaceutsku hemiju Univerziteta u Beogradu – Farmaceutskog fakulteta. Titulu doktora medicinskih nauka – farmacija stekao je 2014. godine. U zvanje docenta na Katedri za farmaceutsku hemiju, Univerziteta u Beogradu – Farmaceutskog fakulteta izabran je 2016. godine. Tokom svoje akademске karijere, Vladimir Dobričić je učestvovao u realizaciji dva domaća naučno-istraživačka projekta, a u periodu



Vladimir Dobričić

was born on 9th April 1984 in Belgrade, where he finished elementary school and high school. He graduated at the University of Belgrade – Faculty of Pharmacy (average grade 9.87) in 2009. He received award for the best student (pharmacy programme) who graduated during 2008/2009 at the University of Belgrade – Faculty of Pharmacy from the Society of Medical Biochemists of Serbia and scientific foundation „Prof. Dr. Ivan Berkeš“. He also received award from the University of Belgrade for the best student of generation graduated at the University of Belgrade – Faculty of Pharmacy during 2008/2009. He has been employed at the Department of Pharmaceutical Chemistry, University of Belgrade – Faculty of Pharmacy since 2011. He acquired the PhD title in 2014. In 2016, he was promoted to assistant professor. During his academic career, Vladimir Dobričić participated in two national research projects, and during 2018-2019 he was the leader of a bilateral project between Republic of Serbia and Republic of Slovenia.

2018–2019. rukovodio je bilateralnim projektom između Republike Srbije i Republike Slovenije. Član je Saveza farmaceutskih udruženja Srbije i Biohemiskog društva Srbije. U okviru postdoktorskog usavršavanja proveo je tri meseca na Katedri za farmaceutsku hemiju, Farmaceutskog fakulteta u Ljubljani 2017. godine. Trenutno obavlja funkciju zamenika člana Upravnih odbora COST akcija CA15135 i CA17104. Njegovo naučno-istraživačko interesovanje uključuje dizajn, sintezu, ispitivanje fizičko-hemijskih i farmakokinetičkih osobina jedinjenja sa anti-inflamatornim i antikancerskim osobinama, kao i razvoj i validaciju analitičkih i bioanalitičkih metoda za određivanje sadržaja biološki aktivnih molekula u doziranim oblicima i biološkom materijalu.

He is a member of the Pharmaceutical Association of Serbia and Serbian Biochemical Society. He realized a three-month post-doctoral research stay at the Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Ljubljana in 2017. Currently, he is MC substitute in COST Actions CA15135 and CA17104. His research interest is focused on the design, synthesis, investigation of physicochemical and pharmacokinetic properties of anti-inflammatory and anticancer compounds, as well as development and validation of analytical and bioanalytical methods for the quantification of biologically active molecules in dosage forms and biological samples.

Jelena Munjas (rođ. Joksić)

rođena je 20. 01. 1986. godine u Beogradu. Osnovnu školu i XIII beogradsku gimnaziju završila je u Beogradu kao dobitnica Vukove diplome. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut-medicinski biohemičar upisala je 2004. godine, a diplomirala je 2010. godine. 2008.

godine dobitnica je nagrade Beogradskog univerziteta za najbolji studentski naučno-istraživački rad u oblasti medicinskih nauka. U periodu od 2008–2009. nagrađena je kao stipendista Fonda za mlade talente Republike Srbije za 1000 najboljih studenata završnih godina. Dobitnica je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut-medicinski biohemičar u školskoj 2009/2010 godini. Od 2010. godine



Jelena Munjas (born Joksić)

was born on 20. 01. 1986 in Belgrade. She completed elementary and XIII Belgrade gymnasium in Belgrade. She enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy-medical biochemistry) in 2004, and graduated in 2010. In 2008. she received the first prize for the best student research paper in medical sciences at University of Belgrade. She relieved the scholarship of Young talents fond of Republic of Serbia in 2008–2009. Munjas Jelena received „Prof. Dr. Ivan Berkeš“ annual award as the best student of the class 2009/2010. She has been employed at the Department of Medical Biochemistry, Faculty of Pharmacy in Belgrade since 2010. She acquired the Ph.D. title in 28.3.2018. During her academic career, Mu-

zaposlena je na Katedri za medicinsku bihemiju Farmaceutskog fakulteta. Titulu doktora medicinskih nauka – farmacija stekla je 28.3.2018. godine. Tokom svoje akademske karijere bila je učesnik brojnih kongresa i usavršavanja (međunarodnih letnjih škola i radionica), dva nacionalna i nekoliko međunarodnih projekata. Njeno naučno-istraživačko interesovanje uključuje ispitivanje molekularnih mehanizama koji povezuju inflamaciju, aterosklerozu i kardio-metaboličke bolesti.

Zora Ćetković

je rođena 19. 11. 1985. u Požarevcu. Osnovnu i srednju školu završila je u Beogradu. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut upisala je 2004. godine, a diplomičala je u februaru 2010. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut u školskoj 2009/2010 godini. Od 2012–2014. godine bila je zaposlena kao saradnik u Institutu za virusologiju, vakcine i serume „Torlak“. Od 2014. godine radi kao bolnički farmaceut u Službi za farmaceutsku delatnost i snabdevanje, Kliničkog centra Srbije. Od februara 2019. godine član je Upravnog odbora Saveza farmaceutskih udruženja Srbije (SFUS). U junu 2019. godine boravila je na stručnom usavršavanju u Univerzitetskoj bolnici Gregorio Marañon, u Madridu, kao deo SILLC programa Evropske asocijacije bolničkih farmaceuta (EAHP). Od 2020. godine je rukovodilac projekta pod nazivom „Implementacija baze podataka o rekonstituciji/rastva-



njas Jelena took part in two national and several international research projects, congresses and summer schools. In 2018. she won the second prize in „Digital droplet PCR grant challenge“ by Labena Ltd. Her research interest is focused on the investigation of molecular mechanisms linking inflammation, atherosclerosis and cardio-metabolic diseases.

Zora Ćetković

was born on 19. 11. 1985 in Požarevac. She completed elementary and high school in Belgrade. She enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy) in 2004, and graduated in February 2010. Zora Ćetković received „Prof. Dr. Ivan Berkeš“ annual award as the best student of the class 2009/2010. From 2012–2014 she was employed as an assistant at the Institute of Virology, Vaccines and Sera „Torlak“. From 2014 she has been employed as a hospital pharmacist at the Pharmacy Service, Clinical Centre of Serbia. Since February 2019, he has been a Board Member of Pharmaceutical Association of Serbia (SFUS). In June 2019, she completed a traineeship at the Gregorio Marañon University Hospital in Madrid, as a part of the SILLC programme, organized by the European Association of Hospital Pharmacists (EAHP). Since 2020, he has been the team leader of the project entitled „Implementation of the database on reconstitution/dissolution of antibiotics in Serbia, Croa-

ranju antibiotika u Srbiji, Hrvatskoj, Sloveniji, Bosni i Hercegovini, Severnoj Makedoniji i Crnoj Gori u saradnji sa Španijom”, finansiranog od strane EAHP-a. Doktorske akademске studije na Katedri za farmaceutsku tehnologiju i kozmetologiju Farmaceutskog fakulteta upisala je 2012. godine. Autor je dva naučna rada objavljena u međunarodnim časopisima. Njeno naučno-istraživačko interesovanje uključuje razvoj i karakterizaciju novih lipidnih formulacija za oralnu primenu leka. Specijalizaciju zdravstvenih radnika i zdravstvenih saradnika na Katedri za socijalnu farmaciju i farmaceutsko zakonodavstvo Farmaceutskog fakulteta upisala je u maju 2019. godine.

Milena Anđelković

je rođena 19. 09. 1986. godine u Kosovskoj Mitrovici. Osnovnu školu završila je u Zvečanu a srednju Medicinsku školu u Kosovskoj Mitrovici. Farmaceutski fakultet, Univerzitet u Beogradu, smer diplomirani farmaceut – medicinski biohemičar upisala je 2005. godine. Diplomirala je u apsolventskom roku 2011. godine. Dobitnica je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut – medicinski biohemičar u školskoj 2010/2011 godini. Školske 2011/12 i 2012/13 radila je kao asistent saradnik u realizaciji dodiplomske praktične nastave na Katedri za toksikologiju „Akademik Danilo Soldatović“ Farmaceutskog fakulteta Univerziteta u Beogradu. Od 2013. godine radno je angažovana na poslovinama medicinskog biohemičara u organiza-



tia, Slovenia, Bosnia and Herzegovina, Northern Macedonia and Montenegro in cooperation with Spain”, funded by the EAHP. She enrolled in doctoral academic studies at the Department of Pharmaceutical Technology and Cosmetology, Faculty of Pharmacy in 2012. He is the author of two scientific papers published in international journals. Her research interests include the development and characterization of novel lipid-based drug delivery systems for oral administration. In May 2019 she enrolled in specialist studies required by the healthcare system at the Department of Social Pharmacy and Pharmaceutical Legislation, Faculty of Pharmacy.

Milena Anđelković

was born on 19. 09. 1986 in Kosovska Mitrovica. She completed elementary school in Zvečan and high school in Kosovska Mitrovica. She enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy – medical biochemistry) in 2005, and graduated in 2011. Milena Anđelković received „Prof. Dr. Ivan Berkeš“ annual award as the best student of the class 2010/2011. In 2011/12 and 2012/13 she worked as assistant associate in the implementation of undergraduate practical classes at the Department of Toxicology „Academic Danilo Soldatović“ of the Faculty of Pharmacy in Belgrade. Since 2013, she has been employed as a medical biochemist in Health Centre's Kosovska Mitrovica laboratory. She received the title of research associate at the Faculty

cionoj jedinici kliničko-biohemijske laboratorije Zdravstvenog centra Kosovska Mitrovica. Zvanje istraživača saradnika na Farmaceutskom fakultetu, Univerzitet u Beogradu, dobila je 2019. godine. Specijalističke studije iz medicinske biohemije završila je 2020. godine i time stekla zvanje specijalista medicinske biohemije. Doktorske studije, modul toksikologija, upisala je školske 2011/2012 godine na Farmaceutskom fakultetu u Beogradu. Dosadašnji i trenutni naučno-istraživački rad Milene Anđelković obuhvata istraživanja iz oblasti toksikologije metala od čega najveći deo obuhvata ispitivanja uloge toksičnih metala u nastanku karcinoma dojke, prostate i testisa kao i razjašnjavanje kompleksnih mehanizama toksičnog dejstva metala na ispitivanim tkivima (narušavanje homeostaze bioelemenata, oksidativno-stresni status, homeostaza polnih hormona). Autor ili koautor je šest radova u vrhunskim međunarodnim časopisima (M21), sedam saopštenja sa međunarodnih skupova štampana u izvodu (M34), jednog rada u časopisu nacionalnog značaja (M53) i dva saopštenja sa skupa nacionalnog značaja štampana u izvodu (M64).

of Pharmacy, University of Belgrade, in 2019. She completed specialist studies in medical biochemistry in 2020. In 2011/2012 Milena Anđelković enrolled doctoral studies, toxicology module, at the Faculty of Pharmacy in Belgrade. Her research interest is focused on the investigation of metal toxicology (role of toxic metals in breast, prostate and testicular cancer as well as investigation of complex mechanisms underlying metals toxicity such as disturbance of bio element homeostasis, oxidative stress status, sex hormones homeostasis). Milena Anđelković is author or co-author of six papers in top international journals (M21), seven papers from international conferences printed in abstracts (M34), one paper in a journal of national importance (M53) and two papers from a conference of national importance printed in abstracts (M64).

Mladen Milović

je rođen 10. 08. 1986. u Rijeci. Osnovnu i srednju medicinsku školu – smer farmaceutski tehničar je završio u Užicu. Izabran je za đaka generacije pri čemu je dobio i pohvalnicu Fondacije za obrazovanje i kulturu Prestolonaslednika Aleksandra Karađorđevića. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut, je upisao 2005. godine, a diplomirao 2010.



Mladen Milović

was born on August 10th 1986 in Rijeka. He completed Elementary and High Medical school – pharmaceutical technician in Užice where he was chosen as best student in generation and received a commendation from the Foundation for Education and Culture of Crown Prince Aleksandar Karađorđević.

He enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy) in 2005, and

godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš” kao najbolji student – diplomirani farmaceut, u školskoj 2010/2011 godini. Od 2011. godine zaposlen je na Katedri za farmaceutsku tehnologiju i kozmetologiju Farmaceutskog fakulteta. Tokom svoje akademске karijere, Mladen Milović je učestvovao u realizaciji više domaćih naučno-istraživačkih projekata, i imao aktivno učešće na više internacionalnih i domaćih kongresa. Dobitnik je DAAD - ove stipendije uz koju je deo naučno-istraživačkog rada radio na Freie Univerzitetu, odsek farmaceutska tehnologija, u Berlinu. Od 2013. godine prelazi u ALIMS u Nacionalnu kontrolnu laboratoriju. Titulu doktora medicinskih nauka – farmacija stekao je 2015. godine kada prelazi u Službu kontrole kvaliteta PharmaSwiss-a. Od 2017. godine je na zdravstvenoj specijalizaciji Ispitivanje i kontrola lekova. U narednih pet godina napredovao je od saradnika, višeg saradnika i supervizora fiziko-hemijske laboratorije do zamenika Menadžera kontrole kvaliteta čiju funkciju trenutno obavlja. Njegovo naučno-istraživačko interesovanje uključuje ispitivanje razvoj inovativnih doziranih oblika savremenih lekovitih supstanci kao i razvoj analitičkih metoda za njihovo ispitivanje.

graduated in 2010. Mladen Milović received „Prof. Dr. Ivan Berkeš” annual award as the best student of the class 2010/2011. Since 2011 he was employed at the Department of Pharmaceutical technology and Cosmetology. During his academic career, Mladen Milović took part in few national research projects and participated in several international and national congresses. He received DAAD scholarship through which he was member of scientific research team at Freie University in Berlin. From 2013. he was employed at National Control Laboratory of Serbia. Mladen Milović has acquired the Ph.D. title in 2015 when he also started to work at Quality Control Department in PharmaSwiss. Since 2017 he is on specialist studies for Drug testing and control. In five years he moved forward from Associate, Senior Associate, and Supervisor of Physico-chemical laboratory to Deputy Manager of Quality Control Department at PharmaSwiss. His research interest are development and testing of new innovative dosage forms with new active ingredients as well as development of analytical methods for testing them.

Ana Milojević

je rođena 14. 08. 1987. u Beogradu. Osnovnu i srednju školu završila je u Beogradu. Farmaceutski fakultet upisala je 2006. godine u Beogradu. Integrисane osnovne i master akademske studije na studijskom programu Farmacija-medicinska biohemija završila je 2011. godine. Dobitnik



Ana Milojević

was born on 14. 08. 1987 in Belgrade. She completed elementary and high school in Belgrade. She enrolled in the Faculty of Pharmacy in Belgrade in 2006. Integrated master academic studies on study program Pharmacy – medical biochemistry completed in 2011. Ana Milojević received

je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student magistar farmacije-medicinski biohemičar u školskoj 2010/2011 godini. U sklopu godišnje nagrade najboljim studentima integrisanih akademskih studija dobitnik je pohvalnice Farmaceutskog fakulteta. Po završetku fakulteta obavila je obavezan jednogodišnji pripravnički staž u Institutu za medicinsku biohemiju Vojnomedicinske akademije u Beogradu. Pet godina radnog iskustva stekla je u Institutu za medicinsku biohemiju VMA. Njena oblast posebnog stručnog interesovanja bila je imunohemija. Od 2019. godine zaposlena je u Službi laboratorijske dijagnostike KBC Bežanijska kosa u Beogradu. Student je doktorskih akademskih studija iz oblasti medicinske biohemije na Farmaceutskom fakultetu u Beogradu. Član je Komiteta mladih istraživača Društva medicinskih biohemičara Srbije.

„Prof. Dr. Ivan Berkeš“ annual award as the best student of the class 2010/2011. She received Faculty of Pharmacy praise as a part of annual award for the best students on integrated academic studies. After graduating from the faculty, she completed a mandatory one-year internship at the Institute of Medical Biochemistry of the Military Medical Academy in Belgrade. She gained five years of work experience at the Institute of Medical Biochemistry of the Military Medical Academy. Her area of special professional interest was immunochemistry. Since 2019, she has been employed in the Laboratory Diagnostics Service of the UHMC Bežanijska kosa in Belgrade. She is a doctoral student in the field of medical biochemistry at the Faculty of Pharmacy in Belgrade. She is a member of the Committee of Young Investigators of the Society of Medical Biochemists of Serbia.

Sanela Savić (devojačko Đorđević)

rođena je 13. 01. 1987. godine u Leskovcu. Osnovnu školu u Velikoj Grabovnici i Srednju medicinsku školu u Leskovcu, završila je kao nosilac diplome „Vuk Karadžić“ i đak generacije. Na Univerzitetu u Beogradu – Farmaceutskom fakultetu završila je integrisane akademske studije kao student generacije (2011. godine – studijski program Farmacija) i doktorske akademske studije (2017. godine – modul Farmaceutska tehnologija), a trenutno pohađa doktorske akademske studije na Tehnološkom fakultetu u Leskovcu, Univerziteta u Nišu (studijski



Sanela Savić (maiden name Đorđević)

was born on 13. 01. 1987 in Leskovac. She finished elementary school in Velika Grabovnica and Medical high school in Leskovac (the best student of generation, „Vuk Karadžić“ certificate). She graduated from University of Belgrade – Faculty of Pharmacy in 2011 (integrated academic studies, module Pharmacy; the best student of generation), where she also obtained her PhD tittle in 2017 (module Pharmaceutical Technology). She is about to finish doctoral academic studies at Faculty of Technology in Leskovac, University of Niš (module Technological En-

program Tehnološko inženjerstvo). U maju 2020. godine izabrana je u zvanje naučni saradnik. Tokom studiranja bila je dobitnik brojnih stipendija i nagrada: stipendije Fonda za mlade talente Republike Srbije (2010/2011. godine), nagrade Naučnog fonda „Profesor Ivan Berkeš“ (2011. godine), Povelje Univerziteta u Beogradu za najboljeg studenta generacije Farmaceutskog fakulteta u školskoj 2010/2011. godini, nagrade grada Leskovca za mlade talente u oblasti obrazovanja i naučnoistraživačkog rada (2013. godine), prve nagrade za najbolju poster prezentaciju na VI Kongresu farmaceuta Srbije sa međunarodnim učešćem (Beograd, 15–19. 10. 2014. godine). Godine 2014., dobila je stipendiju Nemačke službe za akademsku razmenu (DAAD) za tromesečni istraživački boravak u Nemačkoj, na Institutu za farmaceutsku tehnologiju Eberhard–Karls Univerziteta u Tbingenu. Tokom 2011–2016. godine bila je zaposlena na Katedri za farmaceutsku tehnologiju i kozmetologiju, na Univerzitetu u Beogradu – Farmaceutskom fakultetu, kao saradnik na projektu tehno-loškog razvoja TR34031, Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije. Učestvovala je i u realizaciji bilateralnog projekta između Republike Srbije i SR Nemačke 2015–2016. Od avgusta 2016. godine zaposlena je u kompaniji DCP Hemigal u Leskovcu, u Sektoru za istraživanje i razvoj. Njeno naučno-istraživačko interesovanje uključuje nanostrukturirane lipidne nosače za slabo rastvorljive lekovite supstance, procenu bezbednosti i efikasnosti kozmetičkih proizvoda, QbD koncept.

gineering). In May 2020 she became Associate Scientist. During her studies, she obtained numerous grants and awards: grant of the Foundation for young talents of the Republic of Serbia (2010/2011), award of the Scientific foundation „Professor Ivan Berkeš“ (2011), award for the best student of generation at the University of Belgrade – Faculty of Pharmacy in the academic year 2010/2011, award of the City of Leskovac for young talents in the field of education and scientific research (2013), first award for the best poster presentation at the VI Serbian Congress of Pharmacy with international participation (Belgrade, 15–19. 10. 2014). In 2014, she obtained a scholarship of the German Academic Exchange Service (DAAD) for three months research stay in Germany, at the Institute for Pharmaceutical Technology, Eberhard-Karls University in Tübingen. During 2011–2016, she worked at the Department of Pharmaceutical Technology and Cosmetology, University of Belgrade – Faculty of Pharmacy, as a collaborator on a project of technological development TR34031, funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia. She also participated in a bilateral project between Serbia and Germany 2015–2016. Since August 2016, she has been employed in the R&D Sector of DCP Hemigal in Leskovac. Her research interest is focused on nanostructured lipid carries for poorly water-soluble actives, safety and efficacy testing of cosmetic products, and QbD approach.

Mladen Stankov

je rođen 31. 01. 1987. u Beogradu. Osnovnu školu i gimnaziju završio je u Beogradu. Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut – medicinski biohemičar, upisao je 2006. godine, a diplomirao 2011. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut-medicinski biohemičar u školskoj 2011/2012. godini. Posle završetka staža, obavljenog na Poliklinici Kliničkog Centra Srbije 2012. godine zaposlen je u sektoru za istraživanje i razvoj firme Bioanalytica koja se bavi proizvodnjom i prodajom biohemijskih reagenasa. Angažovan je na dizajnu, ispitivanju i validaciji novih biohemijskih reagenasa, kao i na unapređenju performansi postojećih. Od 2012. je dizajnirao i unapredio više biohemijskih testova u saradnji sa inostranim partnerima. Trenutne aktivnosti obuhvataju validaciju imunohemijskih testova, kao i uvođenje u program hematoloških analizatora, zajedno sa proizvodnjom odgovarajućih hematoloških reagenasa.



Mladen Stankov

was born on January 31, 1987 in Belgrade. He finished primary and high school in Belgrade. He enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy – medical biochemistry) in 2006, and graduated in 2011. Mladen Stankov received „Prof. Dr. Ivan Berkeš“ annual award as the best student of the class 2011/2012. After completing the course performed at the poly-clinic of the Clinical Centre of Serbia in 2012, he was employed in the research and development department of the company Bioanalytica, which is engaged in the production and sales of biochemistry reagents. He is engaged in the design, testing and validation of new biochemical tests, as well as improving the performance of existing ones. Since 2012, he has designed or improved several biochemical tests in cooperation with foreign partners. Current activities include the validation of immunochemistry assays, as well as the introduction of haematology analysers into the program together with the production of related haematology reagents.

Marija Todosijević

je rođena 02. januara 1989. godine u Užicu, a osnovnu školu „Aleksa Dejović“ u Sevojnu je završila kao đak generacije i nosilac diplome „Vuk Karadžić“. Srednju školu, Užičku gimnaziju, je završila u Užicu, takođe kao nosilac diplome „Vuk Karadžić“. Farma-



Marija Todosijević

was born on 2nd January 1989 in Užice. She completed elementary school „Aleksa Dejović“ in Sevojno as the best student of the class, being a holder of the „Vuk Karadžić“ diploma. She finished Užice Grammar School, also as a holder of the „Vuk Karadžić“ diploma. In

ceutski fakultet Univerziteta u Beogradu upisala je školske 2007/2008. godine, a diplomirala je 04. septembra 2012. godine kao student generacije. Doktorske akademске studije na Univerzitetu u Beogradu – Farmaceutskom fakultetu, modul Farmaceutska tehnologija, upisala je školske 2012/2013. godine, a titulu doktora medicinskih nauka – farmacija je stekla 2017. godine Tokom osnovnih studija bila je stipendista grada Užica, Fonda za stipendiranje studenata Mihajlo Pupin, Fonda za mlade talente Republike Srbije, Zadužbine Dragoljub Marinković, i Ministarstva prosvete i nauke Republike Srbije. Dobitnik je Povelje Univerziteta u Beogradu za najboljeg studenta Farmaceutskog fakulteta koji je diplomirao u školskoj 2011/2012. godini (nagrada „Student generacije“), kao i nagrade Naučnog fonda „Profesor Ivan Berkeš“ koju dodeljuje Društvo medicinskih biohemičara Srbije. Tokom doktorskih studija dobitnik je stipendije fondacije „Hemofarm“ za studente prirodnih nauka koji postižu izuzetan uspeh tokom školovanja. Od decembra 2012. do početka 2017. godine bila je zaposlena na projektu iz oblasti tehnološkog razvoja kojeg finansira Ministarstvo prosvete, nauke i tehnološkog razvoja, i u istom periodu je učestvovala u izvođenju praktične nastave iz predmeta Farmaceutska tehnologija I, Farmaceutska tehnologija II i Osnovi farmaceutske biotehnologije na studijskom programu Farmacija, integrisane akademske studije, na Univerzitetu u Beogradu – Farmaceutskom fakultetu. U okviru istraživačkog rada je u više navrata boravila na stručnom usavršavanju u inostranstvu. U toku 2012. i 2013. godine je boravila na Katedri za farmaceutsku tehnologiju Farmaceutskog fakulteta

2007/2008 she enrolled at the Faculty of Pharmacy of the University of Belgrade, and graduated on 4th September 2012 as the best student of the class. In 2012 she enrolled in doctoral academic studies at the University of Belgrade – Faculty of Pharmacy, module Pharmaceutical Technology, while she has acquired the Ph.D. title in 2017. During her undergraduate studies, she was a holder of the numerous scholarships, such as scholarship of the city of Užice, Fund Mihajlo Pupin, the Fund for Young Talents of the Republic of Serbia, the Dragoljub Marinkovic Endowment, and the Ministry of Education and Science of the Republic of Serbia. She got the award for being the best student of the Faculty of Pharmacy who graduated in the school year 2011/2012 year ("Student of the Generation" award), as well as the award of the Scientific Fund „Professor Ivan Berkeš“ awarded by the Society of Medical Biochemists of Serbia. During her doctoral studies, she got a scholarship from the „Hemofarm“ foundation for natural science students who achieved exceptional success during their schooling. From December 2012 to the beginning of 2017, she was employed as a research assistant involved in Ministry of Education, Science and Technological Development's research project, and was teaching assistant at several courses: Pharmaceutical Technology 1, Pharmaceutical Technology 2 and Bases of Pharmaceutical Biotechnology. During 2012 and 2013, as a guest researcher, she did some part of experimental work at the Department of Pharmaceutical Technology, Faculty of Pharmacy, University of Ljubljana, Slovenia. During 2015, she got a DAAD (German Academic Exchange Service) research grant for research stay at the

Univerziteta u Ljubljani, Slovenija kao go-stujući istraživač. U toku 2015. godine, kao dobitnik istraživačke stipendije Nemačke službe za akademsku razmenu (*DAAD short term research grant*), bila je na Institutu za farmaciju, Martin Luter Univerziteta, Halle (Saale), Nemačka, i na Maks Plank Institutu (engl. *Max Planck Institute of Colloids and Interfaces*), Potsdam, Nemačka. U okviru bilateralnog projekta 2016. godine je boravila na Institutu za farmaceutsku tehnologiju Eberhard Karls Univerziteta u Tbingenu, Nemačka, a iste godine bila je na Institutu za biologiju, medicinsku hemiju i biotehnologiju, Atina, Grčka. Nakon završetka akadem-skog i eksperimentalnog rada svoju karijeru nastavlja u industriji, najpre u proizvodnji u kompaniji Hemofarm A.D., Odeljenje injek-cionih rastvora – Pogon sterilnih proizvoda, a zatim u kompaniji Novo Nordisk Pharma d.o.o. Beograd, u Odeljenju za kliničke stu-dije, medicinske i regulatorne poslove. Od jula 2018. godine je zaposlena u kompaniji PPD Serbia d.o.o. u oblasti kliničkih ispi-tivanja.

Sanja Milutinović (dev. Vučković)

rođena je 30. 05. 1989. godine u Paraćinu. Osnovnu školu i gimna-ziju završila je u Paraćinu. Far-maceutski fakultet Univerziteta u Beogradu, smer magistar farma-cije-medicinski biohemičar upi-sala je 2008. godine, a diplomi-rala u septembru 2013. godine. Dobjitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student magistar farmacije-me-dicinski biohemičar u školskoj 2012/2013.



Department of Pharmaceutical Technology and Biopharmaceutics, Institute of Pharmacy, Martin Luther University Halle–Wittenberg, Germany, and Scholarship of Martin Luther University for research stay at Max Planck Institute of Colloids and Interfaces, Potsdam, Germany. Through bilateral project with the Institute for Pharmaceutical Technology, Eber-hard-Karls University, Tuebingen, Germany, she performed some experimental work at this Institute in 2016. In the same year she was invited researcher at the Institute of Biology, Medicinal Chemistry and Biotech-nology, National Hellenic Research Foundation, Athens, Greece. After her academic work, she continued her career in pharmaceutical in-dustry, firstly within the Department of Injectables Solutions – Sterile Products Plant, Hemofarm AD, and then in the company Novo Nordisk Pharma d.o.o. Belgrade, in the Department of Clinical Studies, Medical and Regulatory Affairs. She has been employed in PPD Serbia d.o.o. in the field of clinical tri-als since 2018.

Sanja Milutinovic (maiden name Vučković)

was born on May 30, 1989 in Paraćin. She completed elemen-tary and high school in Paraćin. She enrolled at the Faculty of Pharmacy, University of Belgrade in the field of education Master of Pharmacy-Medical Biochemistry in 2008, and graduated in Sep-tember 2013. Sanja Milutinović received „Prof. Dr. Ivan Berkeš“ annual award as the best student of the class 2012/2013. After

godini. Nakon položenog državnog ispita otpočinje radni odnos u odeljenju za laboratorijsku dijagnostiku Doma zdravlja Kuršumlija juna 2015. godine. Trenutno je načelnik laboratorijske dijagnostike Doma zdravlja Kuršumlija.

passing the state exam, she started working in the laboratory diagnostics department of the Kuršumlija community Health Centre in June 2015. She is currently the chief of laboratory diagnostics at the Kuršumlija Community Health Centre.

Biljana Škorić

rođena je 27. 11. 1989. u Derventi, gde je završila osnovnu i srednju školu kao učenik generacije. Farmaceutski fakultet u Beogradu je upisala školske 2008/09, a završila 2013. godine sa prosečnom ocenom 9,76. Dobitnik je godišnje nagrade Naučnog fonda „Prof. dr Ivan Berkeš“ za školsku 2012/2013 kao student sa smera Farmacija. Bavila se regulativom i farmakovigilancem, dok trenutno radi na poziciji vođe regulatornih poslova u kliničkim ispitivanjima lekova u kompaniji Syneos Health. Student je doktorskih akademskih studija na Farmaceutskom fakultetu u Beogradu na Katedri za farmakokinetiku i kliničku farmaciju, gde joj je predmet istraživačkog interesovanja primena metotreksata u visokim dozama u pedijatrijskoj populaciji.



Biljana Škorić

was born on 27th of November 1989. in Derventa, where she finished primary and high school as the best student in generation. She enrolled Faculty of Pharmacy in the school year 2008/09 and graduated in 2013. with average mark 9.76. She won the annual price of science fund „Prof. Dr. Ivan Berkeš“ for the school year 2012/13 as a student from program Pharmacy. She was working in regulatory and pharmacovigilance for marketed medicinal products, while now is working as a Site Start-Up project delivery lead in Syneos Health. She is student of doctoral academic studies at the Faculty of Pharmacy in Belgrade, Department for pharmacokinetics and clinical pharmacy, where her research interest is administration of methotrexate in high doses in pediatric population.

Sanja Kandić

je rođena 30. 03. 1989. u Beogradu. Osnovnu i srednju medicinsku školu je završila u Beogradu. Godine 2008. upisuje Farmaceutski fakultet u Beogradu, smer diplomirani farmaceut – medicinski biohemičar, a diplomirala je 2014. godine. Dobitnik je nagrade „Prof. dr. Ivan Berkeš“ kao najbolji student diplomirani farmaceut – medicinski biohemičar u školskoj 2013/2014. godini. Nakon završenih studija odraduje jedan deo pripravničkog staža u biohemijskoj laboratoriji BioMedica u Beogradu, dok drugi deo staža odraduje u biohemijskoj laboratoriji u Opštoj bolnici u Čačku. Nakon završenog staža odlazi za Norvešku gde dobija nostrifikaciju diplome i od 2016. godine kreće da živi i radi tamo kao farmaceut u međunarodnom lancu apoteka Boots.



Sanja Kandić

was born on 30. 03. 1989 in Belgrade. She completed elementary and high medical school in Belgrade. She enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy-medical biochemistry) in 2008. and graduated in 2014. Sanja Kandić received „Prof. Dr. Ivan Berkeš“ annual award as the best student of the class 2013/2014. After completing her studies, she completes one part of the internship in the biochemical laboratory BioMedica in Belgrade, while the other part of internship she completes in the biochemical laboratory in the hospital in Čačak. She moved to Norway in 2016. where she received a license and since then she has lived and worked in Norway as a pharmacist in Boots pharmacy chain.

Dušan (Branimir) Ružić

je rođen 29. 6. 1990. godine, u Čačku. Farmaceutski fakultet u Beogradu je završio 2014. godine sa prosečnom ocenom 9,82. Završni rad je odbranio na Katedri za organsku hemiju, Farmaceutskog fakulteta u Beogradu i stekao titulu magistar farmacije. Nositelj je nagrade „Profesor dr Ivan Berkeš“ za najboljeg studenta na smeru magistar farmacije (generacija 2009–2014). Doktorske akademske studije iz farmaceutske hemije upisao je školske 2014/15. godine na Farmaceutskom fakultetu u Beogradu i trenutno je u završnoj fazi izrade



Dušan (Branimir) Ružić

was born on June 29, 1990, in Čačak. He graduated from the Faculty of Pharmacy in Belgrade in 2014 with grade point average (GPA) 9.82. He defended his master thesis at the Department of Organic Chemistry, Faculty of Pharmacy in Belgrade and obtained the title of Master of Pharmacy. He was awarded with the annual award „Professor Dr Ivan Berkeš“ for the best pharmacy student (generation 2009–2014). He enrolled in doctoral academic studies in pharmaceutical chemistry in the 2014/15 school year at the Faculty of Pharmacy in

disertacije. Od marta 2015. godine zaposlen je kao istraživač-pripravnik, pa istraživač-saradnik na projektu Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije, a od decembra 2019. godine je zaposlen kao asistent na Katedri za farmaceutsku hemiju. Dušan Ružić je učestvovao kao saradnik na međunarodnoj COST akciji, EpiChemBio (CM1406). U okviru navedene COST EpiChemBio akcije obavio je dva studijska boravka u laboratoriji za hemijsku biologiju, School of Pharmacy, University of East Anglia, Norwich, Velika Britanija. Dušan Ružić se bavi istraživanjima u oblasti farmaceutsko-medicinske hemije i otkrića epigenetičkih modulatora. Član je Epigenetičkog Kancer-skog društva, Srpskog društva istraživača raka kao i Američke Asocijacije za istraživanje raka.

Belgrade and he is currently completing the doctoral thesis. Since March 2015, he was employed as a Graduate Researcher, then as a Research Associate on the project of the Ministry of Education, Science and Technological Development of the Republic of Serbia, and since December 2019 he has been employed as a Teaching Assistant at the Department of Pharmaceutical Chemistry. Dušan Ružić participated as an Associate Researcher at the international COST action, EpiChemBio (CM1406). As a part of the COST EpiChemBio action, he did doctoral training for six months in the Laboratory of Chemical Biology, School of Pharmacy, University of East Anglia, Norwich, United Kingdom. Dušan Ružić is interested in medicinal chemistry and drug discovery of epigenetic modulators. He is a member of the Epigenetic Cancer Society, the Serbian Society of Cancer Researchers and the American Association for Cancer Research.

Branislava Šupljeglav (udato Rajkov)

je rođena 17. 06. 1991. u Mostaru. Osnovnu i srednju školu je završila u Baru. Farmaceutski fakultet smer magistar farmacije-mediciinski biohemičar upisala je 2010. godine, a diplomirala 2015. godine. Pred samo diplomiranje je u sklopu razmene studenata radila istraživanje o karcinomu dojke na Ohio Northern Univerzitetu u Sjedinjenim Američkim Državama. Dobitница je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student magistar farmacije-mediciinski biohemičar u školskoj 2014/2015. godini. Doktorske studije je



Branislava Šupljeglav (married Rajkov)

was born on June 17, 1991 in Mostar. She finished primary and high school in Bar. She enrolled at the Faculty of Pharmacy, Master of Pharmacy-Medical Biochemist, in 2010, and graduated in 2015. Prior to graduation, she did research on breast cancer at Ohio Northern University in the United States as part of a student exchange. She won the award of „Prof. Dr. Ivan Berkeš“ as the best student Master of Pharmacy-Medical Biochemist in the school year 2014/2015. She enrolled in doctoral studies (PhD) in 2015.

upisala 2015. godine. Volonterski staž je odradila u Kliničko bolničkom centru „Bežanijska kosa“ 2015/2016. godine. Od aprila 2016. godine radi u Ergomedu, firmi koja se bavi kliničkim ispitivanjima lekova i medicinskih sredstava i do sada je radila na različitim vrstama studija od kojih najviše na ispitivanju lekova za onkološke pacijente. Njeno naučno-istraživačko interesovanje uključuje ispitivanje genske ekspresije određenih proteina kod pacijenata sa opstruktivnom sleep apneom.

She did her volunteer internship at the Clinical Hospital Centre „Bežanijska kosa“ in 2015/2016. Since April 2016, she has been working at Ergomed, a company that does research with clinical trials of medicines and medical devices, and so far she has worked on various types of studies, most of which are on the testing of drugs for oncology patients. Her research interests include examining the gene expression of certain proteins in patients with obstructive sleep apnea.

Milan Milojević

je rođen 07. 03. 1991. u Kragujevcu. Osnovnu i srednju školu završio je u Kragujevcu, kao nosilac Vukove diplome. Farmaceutski fakultet u Beogradu, smer farmacija upisao je 2010. godine, a diplomirao je 2015. godine sa prosečnom ocenom 9,90. Tokom školovanja je za ostvaren izvanredan uspeh na studijama višestruko nagradivan. Dobitnik je nagrade za najboljeg studenta Univerziteta u Beogradu, koji je diplomirao na Farmaceutskom fakultetu u Beogradu tokom 2015. godine. Takođe dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student diplomirani farmaceut u školskoj 2014/2015. godini. U završnoj godini studiranja nagrađen je stipendijom Dositeja iz Fonda za mlade talente. Nakon objavljenog pripravničkog staža, svoj profesionalni razvoj započinje u Agenciji za lekove i medicinska sredstva Srbije, kao ekspert u Sektoru za izdavanja dozvola za lekove. Novembra 2018. prelazi u ugovornu



Milan Milojević

was born on March 7, 1991 in Kragujevac. He finished primary and secondary school in Kragujevac, as a holder of diploma Vuk Karadžić. He enrolled at the Faculty of Pharmacy in Belgrade, Department of Pharmacy, in 2010, and graduated in 2015 with an average grade of 9.90. During his schooling, he was awarded many times for his extraordinary success in studies. He was awarded as the best student of the University of Belgrade, who graduated from the Faculty of Pharmacy in Belgrade in 2015. Milan was recognized with the annual award of „Prof. Dr. Ivan Berkeš“ as the best student, graduate pharmacist, in the school year 2014/2015. In the final year of his studies, he was awarded with Dositej scholarship from the Fund for Young Talents. After completing the internship, he started his professional career in the Medicines and Medical Devices Agency of Serbia, as an expert in the Sector for Issuing Licenses for Medicines. In Novem-

istraživačku organizaciju (CRO) Parexel u kojoj radi na regulatornim poslovima sa ciljem pokretanjem kliničkih ispitivanja kako u zemlji tako i na globalnom nivou. Oženjen, otac devojčice Lene.

In November 2018, he continued his professional development in the contract research organization (CRO) Parexel, where he is working in regulatory affairs with the aim of launching clinical trials both in the country and globally. Married, father of the baby girl Lena.

Aleksandra Tijanić

rođena je u Beogradu 14. 05. 1992. godine. Osnovnu i srednju školu završila je u Beogradu. Farmaceutski fakultet Univerziteta u Beogradu upisala je 2011. godine, a diplomirala 2016. godine, na smeru magistar farmacije-medicinski biohemičar, sa prosečnom ocenom 9,85. Dobitnik je nagrade „Prof. dr Ivan Berkeš“, kao najbolji student, magistar farmacije-medicinski biohemičar, u školskoj 2015/2016. godini. Pripravnički staž završila je u KBC Bežanijska kosa 2017. godine, gde je potom nastavila volonterski rad. Od novembra 2017. godine, bila je zaposlena je u Centru za medicinsku biohemiju Kliničkog centra Srbije tokom dve godine. Od februara 2020. godine zaposlena je u Beolab-laboratoriji. Koautor je dva saopštenja iz oblasti biohemijskih markera srčane insuficijencije i personalizovane imunosupresivne terapije. Njen naučni interes je usmeren na oblast urođenih poremećaja metabolizma.



Aleksandra Tijanić

was born on 14. 05. 1992 in Belgrade. She completed elementary and high school, also in Belgrade. She enrolled in the Faculty of Pharmacy, University of Belgrade in 2011 and graduated in 2016. with an average grade of 9.85/10.0, obtaining the title master of pharmacy-medical biochemist. Aleksandra Tijanić won „Prof. Dr. Ivan Berkeš“ annual award, as the best student (master of pharmacy-medical biochemist), graduated in class 2015/2016. After the completion of the internship in „KBC Bežanijska kosa“ in 2017, she worked as a volunteer in the same hospital. During the next two years (November 2017 – November 2019) she had been employed in the Centre for Medical Biochemistry, Clinical Centre of Serbia. She has been employed in Beolab laboratory, since February 2020. Aleksandra Tijanić is a co-author of two abstracts, in the field of biochemical markers of heart failure and personalized immunosuppressive therapy. Her research interest is directed towards inborn errors of metabolism.

Marija Banićević

je rođena 16. 3. 1992. godine u Beogradu, gde je završila osnovnu školu i XIII beogradsku gimnaziju. Tokom srednje škole pokazala je interesovanje za hemiju i bila višegodišnji polaznik Istraživačke stanice Petnica. Zahvaljujući osvojenom prvom mestu na republičkom takmičenju, 2011. godine je upisala Farmaceutski fakultet Univerziteta u Beogradu bez polaganja prijemnog ispita iz hemije. Diplomirala je 2016. godine na profilu magistar farmacije. Dobitnica je brojnih stipendija, između ostalog i za talente Ministarstva nauke, prosvete i tehnološkog razvoja i Dositeja. Tokom svih godina studija bila je među pet najboljih studenata svoje generacije, a po završetku studija je postala i laureat Fonda „Profesora dr Ivana Berkeša“ za školsku 2015/16. godinu. Nakon završetka osnovnih studija, boravila je u Nemačkoj na tromesečnoj praksi na Institutu za primenjenu dermatofarmaciju pri Univerzitetu Martin-Luter u Haleu. Od 2016. godine bila je stipendista Ministarstva prosvete, nauke i tehnološkog razvoja, a zatim i istraživač-pripravnik na projektu Instituta za farmakologiju Farmaceutskog fakulteta. Učestvovala je u izvođenju praktične nastave na predmetima farmakologija i farmakoterapija za studente osnovnih i specijalističkih akademskih studija. 2018. godine upisala je doktorske studije na prestižnom Univerzitetu u Hajdelbergu u oblasti funkcionalne genomike. Trenutno se bavi istraživanjem fizioloških funkcija APP-a, proteina koji učestvuje u razvoju Alchajmerove bolesti i nada se da će njen rad doprineti boljem razumevanju patologije ove neurodegeneracije i pronalasku efektivnijih metoda lečenja.



Marija Banićević

was born on March 16, 1992 in Belgrade, where she finished elementary school and the 13th Belgrade Grammar School. She developed interest in chemistry during high school which lead her to the Petnica research centre. Winning of the best prize at the National chemistry competition enabled her to enroll at the Faculty of Pharmacy of the University of Belgrade without entry exam. She graduated in 2016. She is the winner of numerous scholarships, among other things for the talents of the Ministry of Science, Education and Technological Development and Dositeja. During all the years of studies, she was among the five best students of her generation, and upon completion of her studies, she became a laureate of the „Professor Dr. Ivan Berkeš“ Foundation for the school year 2015/16. After completing her undergraduate studies, she spent a three-month internship in Germany at the Institute for Applied Dermatopharmacy at Martin-Luther University in Halle. As a young researcher interested in neurosciences and drugs that act on central nervous system, she was involved a trainee-researcher on the project of the Institute of Pharmacology of the Faculty of Pharmacy. She participated in teaching practical classes in the subjects of Pharmacology and Pharmacotherapy for undergraduate students and postgraduate students of specialist academic studies. In 2018, Marija started PhD studies at the prestigious University of Heidelberg in the field of functional genomics. She is currently researching the physiological functions of APP, a protein that participates in the development of Alzheimer's disease, and hopes that her work will contribute to a better understanding of the pathology of this neurodegeneration and finding more effective treatment methods.

Tamara Antonić

je rođena 6. 6. 1993. u Palama, gdje je završila osnovnu i srednju školu. Farmaceutski fakultet u Beogradu, smjer magistar farmacije-medicinski biohemičar upisala je 2012. godine, a diplomirala je 2017. godine. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student magistar farmacije-medicinski biohemičar u školskoj 2016/2017. godini, kao i Povelje za izuzetan uspjeh tokom studiranja, kao najbolji student generacije Farmaceutskog fakulteta koji je diplomirao u školskoj 2016/2017. godini koju dodjeljuje Univerzitet u Beogradu. Po završetku fakulteta, obavila je pripravnički staž u laboratoriji Opšte bolnice „MediGroup“ i položila stručni ispit za magistre farmacije-medicinske biohemičare u Ministarstvu zdravlja Republike Srbije 2018. godine. Doktorske akademske studije – modul Medicinska biohemija upisala je školske 2017/2018. godine na Farmaceutskom fakultetu Univerziteta u Beogradu, a Specijalističke akademske studije – modul Biohemijska dijagnostika školske 2019/2020. na istom fakultetu. Od aprila 2018. godine bila je zaposlena kao istraživač pripravnik na projektu Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije. Od novembra 2017. godine angažovana je u nastavi na Katedri za medicinsku biohemiju Farmaceutskog fakulteta, a od oktobra 2019. godine zaposlena je kao asistent na istoj Katedri. Učestvovala je sa sedam saopštenja na domaćim i međunarodnim naučnim skupovima u vidu poster prezentacija. Autor je jednog rada objavljenog u časopisu M52 kategorije i jednog rada objavljenog u zborniku međunarodnog skupa. Njeno naučno-istraživačko interesovanje



Tamara Antonić

was born on 6. 6. 1993 in Pale, where she completed elementary and high school. She enrolled at the Faculty of Pharmacy in Belgrade (Master of Pharmacy-Medical Biochemistry) in 2012 and graduated in 2017. She received „Prof. Dr. Ivan Berkes“ annual award as the best student of the class 2016/2017, as well as the Charter of the University of Belgrade for exceptional success during studies, as the best student of the generation of the Faculty of Pharmacy who graduated in the school year 2016/2017. After graduating from the faculty, Tamara completed an internship in the laboratory of the General Hospital „MediGroup“ and passed the professional exam for masters of pharmacy-medical biochemists in the Ministry of Health of the Republic of Serbia in 2018. Tamara enrolled in Ph.D. studies – module Medical Biochemistry in 2017/2018. at the Faculty of Pharmacy, University of Belgrade, and Academic Specialist Studies – Biochemical diagnostics in 2019/2020. Since April 2018, she was employed as a researcher trainee on the project of the Ministry of Education, Science and Technological Development of the Republic of Serbia. Starting from November 2017 she has been engaged in teaching at the Department of Medical Biochemistry, Faculty of Pharmacy, and since October 2019 she has been employed as a Teaching Assistant in the same Department. She participated with seven presentations at national and international scientific conferences in the form of poster presentations. She is the author of one paper published in the journal of M52 category and one published in the proceed-

uključuje primjenu hromatografije i masene spektrometrije u identifikaciji i kvantifikaciji različitih lipidnih vrsta, a u cilju utvrđivanja specifičnih metaboličkih promjena i promjena u lipidnom profilu kod žena sa fiziološkom i visokorizičnom trudnoćom, kao i identifikacije određenih lipidnih vrsta koje bi mogle biti od značaja u procjeni ishoda visokorizične trudnoće.

Sandra Tešić

je rođena 01. 02. 1993. u Šapcu. Osnovnu školu „Janko Veselinović“ u Šapcu i Medicinsku školu „Dr Andra Jovanović“ završila je kao nosilac diplome „Vuk Karadžić“. Farmaceutski fakultet, Univerziteta u Beogradu, smer magistar farmacije, upisala je 2012. godine. Tokom studija nagrađivana je kao jedan od najboljih studenata Farmaceutskog fakulteta. Bila je dobitnik stipendija opštine Šabac i Fonda za mlade talente. Kao student bavila se naučno-istraživačkim radom na Katedri za analitiku lekova. Bila je učesnik 58. Kongresa studenata biomedicinskih nauka. Završni rad „Teorijski modeli u analizi retencionih mehanizama geometrijskih izomera cefprozila na ZIC HILIC koloni“ uradila je na Katedri za analitiku lekova i odbranila 2017. godine. Dobjitnik je nagrade Naučnog fonda „Profesor Ivan Berkeš“ kao najbolji student magistar farmacije u školskoj 2016/2017. Tokom 2017/2018. godine obavila je pripravnički staž u AU „Farmanea“, nakon čega je položila stručni ispit. Od juna 2018. godine zaposlena je u AU „Dr. Max“.



ings of the international conference. Her research interests include the application of chromatography and mass spectrometry in the identification and quantification of different lipid species to determine specific metabolic and lipid profile changes in women with physiological and high-risk pregnancies, as well as the selection of the lipid species that may be important in assessing the outcome of a high-risk pregnancy.

Sandra Tešić

was born on February 1, 1993. in Šabac. She finished the elementary school „Janko Veselinović“ in Šabac and the medical school „Dr Andra Jovanović“ as a holder of the diploma „Vuk Karadžić“. She enrolled in the Faculty of Pharmacy, University of Belgrade, Department of Pharmacy, in 2012. During her studies, she was awarded as one of the best student. She was the winner of scholarships from the municipality of Šabac and the Fund for Young Talents. As a student, she was engaged in scientific research at the Department of Drug Analysis. She was a participant in the 58th Congress of Students of Biomedical Sciences. The final work „Theoretical models in the analysis of retention mechanisms of geometric isomers of cefprozil on the ZIC HILIC column“ was done at the Department of Drug Analysis and defended in 2017. She received award of the Scientific Fund „Professor Ivan Berkeš“ as the best graduate student of pharmacy in the school year 2016/2017. During 2017/2018. she completed an internship at AU „Farmanea“, after which she passed the professional exam. Since June 2018, she has been employed at AU „Dr. Max“ as a pharmacist.

Jelena Pavlović

je rođena 03. 06. 1994. godine u Kraljevu. Osnovnu školu završila je u Trsteniku, a srednju Medicinsku školu za farmaceutskog tehničara u Kruševcu. Farmaceutski fakultet Univerziteta u Beogradu, smer magistar farmacije-medicinski biohemičar upisala je 2013. godine. Fakultet je završila 2018. godine sa prosečnom ocenom 9,79 (devet i 79/100) kao najbolji student na smeru magistar farmacije-medicinski biohemičar. Tokom studija je na Katedrama za medicinski biohemiju i bromatologiju učestvovala u radu više naučno-istraživačkih projekata. U okviru SEP programa provela je 3 nedelje na Farmaceutskom fakultetu Univerziteta u Ljubljani gde je učestvovala u projektu Katedre za kliničku biohemiju. Nositelj je Dositejeve stipendije za najbolje studente završne godine studija Republike Srbije za 2017/2018. godinu. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student smera magistar farmacije-medicinski biohemičar u školskoj 2017/2018. godini. Po završetku fakulteta završava pripravnički staž u Zavodu za laboratorijsku dijagnostiku „Biomedica“ gde stupa u radni odnos 2019. godine.



Jelena Pavlović

was born 03. 06. 1994 in Kraljevo. She finished Primary school in Trstenik and High Medical school for pharmacy technician in Kruševac. She enrolled in the Faculty of Pharmacy, University of Belgrade (Master of pharmacy-medical biochemistry) in 2013. She graduated in 2018 with average grade

9.79 as the best student in that course. During the studies at Departments of Medical Biochemistry and Bromatology, she took part in many research projects. She spent 3 weeks within the SEP program in the Faculty of Pharmacy, University of Ljubljana where she took part in project of Clinical Biochemistry Department. She received Dositeja scholarship for the best final year students in Republic of Serbia in 2017/2018. Jelena Pavlović received „Prof. Dr. Ivan Berkeš“ award as the best student of the class 2017/2018. After graduating, she completed internship on the Institute of Laboratory Diagnostics „Biomedica“ where she started working in 2019.

Natalija Arsić

rođena je 2. 11. 1994. godine u Beogradu. Nakon završene osnovne i srednje škole, školske 2013/14. godine upisuje Farmaceutski fakultet Univerziteta u Beogradu. Kao polaznik seminara hemije IS „Petnica“ realizuje prve naučno-istraživačke rade. U naučno-istraživački rad na fakultetu uključuje se školske 2015/16. godine na Katedri za farmaceutsku hemiju, a nastavlja ga na Katedri za fiziologiju i Katedri za farmaceutsku tehnologiju i kozmetologiju tokom školske 2016/17. godine, kao i Katedri za analitiku lekova školske 2017/18. godine. Kao član, a od 2016. godine i predsednik Centra za naučno-istraživački rad studenata, aktivno doprinosi promociji i podsticanju uključivanja studenata u naučno-istraživački rad na Fakultetu organizovanjem Prvog bilateralnog simpozijuma između Srbije i Izraela i brojnih Mini-kongresa Fakulteta i postavki Fakulteta na Festivalu nauke. Od 2016. do 2018. godine član je Saveta Fakulteta, a školske 2017/18. godine i Radne grupe za reakreditaciju studijskog programa Farmacija. Odbranom završnog rada na Katedri za analitiku lekova, 2018. godine završava Farmaceutski fakultet sa prosečnom ocenom 9,86 i stiče zvanje magistra farmacije. Nosilac je nagrada „Profesor dr Ivan Berkeš“ i „Student generacije Farmaceutskog fakulteta“ za školsku 2017/18. godinu. Od novembra 2018. do maja 2019. godine radila je u Farmaceutsko-fizioterapeutskoj školi, kao nastavnik na predmetima Klinička farmacija i Kozmetologija. Od maja 2019. godine je zaposlena u CRO kompaniji „Syneos Health“.



Natalija Arsić

was born on November 2, 1994 in Belgrade. After finishing primary and secondary school, she enrolled in the University of Belgrade – Faculty of Pharmacy in 2013. As participant in Chemistry Seminar, she conducted her first scientific researches in Petnica Science Center. At the Faculty of Pharmacy, she got

involved in scientific research work in 2015/16 school year at the Department of Pharmaceutical Chemistry and continued it at Department of Physiology and Department of Pharmaceutical Technology and Cosmetology in 2016/17 school year, and Department of Drug Analysis in 2017/18 school year. As a member, and since 2016 as a president of Centre for students' scientific research work, she actively contributed to the promotion and encouragement of students' involvement in scientific research activities by organizing First Bilateral Biomedical Symposium, as well as many Students' Mini-Congresses and Faculty's exhibitions at Science Festivals. From year 2016 to 2018 she was a member of Faculty's Council. In 2017/18 school year, she participated in activities of Working group for reaccreditation of Pharmacy study program. By defending her master thesis at Department of Drug Analysis, in 2018 she graduated from University of Belgrade – Faculty of Pharmacy, with grade point average 9.86, obtaining the title of Master of Pharmacy. As valedictorian of class 2013/14, she was awarded by Scientific Fund „Professor Ivan Berkeš“ and University of Belgrade. From November 2018 until May 2019 she worked in High School for Pharmacy and Physiotherapy, as Clinical Pharmacy and Cosmetology Teacher. Since May 2019, she has been employed by Syneos Health, an international CRO.

Tijana Vučković

je rođena 19. 09. 1995. godine u Smederevskoj Palanci gde je završila osnovnu školu, kao i školu za osnovno muzičko obrazovanje. Srednje obrazovanje stekla je u Beogradu, završivši Farmaceutsko-fizioterapeutsku školu, obrazovni profil – Farmaceutski tehničar. Farmaceutski fakultet Univerziteta u Beogradu, smer medicinske biohemije upisala je 2014. godine. Tokom studija bila je nagrađivana u okviru *Godišnje nagrade fakulteta najboljim studentima*, četiri godine za redom. Bila je dobitnik stipendija Ministarstva prosvete, nauke i tehnološkog razvoja, kao i stipendista *Fonda za mlade talente-Dositeja*. Učestvovala je u izradi dva studentska naučnoistraživačka rada, objavljenih na Katedri za medicinsku biohemiju. Diplomski rad pod nazivom *Profil subfrakcija lipoproteinskih čestica niske gustine u visokorizičnoj trudnoći* odbranila je u julu 2019. godine. Staž zdravstvenih radnika obavila je u Kliničkom centru Srbije, nakon čega je položila stručni ispit i stekla licencu Komore biohemičara Srbije. Dobitnik je nagrade *Fonda Profesor Ivan Berkeš*, kao najbolji magistar farmacije-medicinski biohemičar za školsku godinu 2018/19.



Tijana Vučković

was born 19. 09. 1995 in Smederevska Palanka, where she finished elementary school, as well as the school for elementary music education. She received her secondary education in Belgrade, after graduating from the *School of Pharmacy and Physiotherapy*, educational profile Pharmacy technician. In 2014, she began her studies at the *Faculty of Pharmacy, University of Belgrade*, study programme Pharmacy-medical biochemistry. During her studies, she was awarded as part of the Faculty's Annual Award to the best students, for four years in a row. She was a scholarship holder of the *Ministry of Education, Science and Technological Development*, as well as a scholarship holder of the *Fund for Young Talents-Dositeja*. She participated in the preparation of two student scientific research papers, performed at the *Department of Medical Biochemistry*. She defended her work entitled *Profile of subfractions of low-density lipoprotein particles in high-risk pregnancy* in July 2019. She completed her internship as a health worker at the Clinical Centre of Serbia, after which she passed the professional exam and obtained a license from the Chamber of Biochemists of Serbia. As the best graduated student of Pharmacy-medical biochemistry in class 2018/19, she received the award of the Foundation „*Professor Ivan Berkeš*“.

Teodora Bulog

je rođena 25. 02. 1995. godine u Boru gde je završila osnovnu školu i gimnaziju „Bora Stanković“ kao nosilac diplome „Vuk Karadžić“. Integrисane akademske studije, studijski program Farmacija, upisala je 2014. godine na Farmaceutskom fakultetu Univerziteta u Beogradu. Diplomirala je jula 2019. godine sa prosečnom ocenom 9,75/10 i time stekla stručni naziv magistar farmacije. Diplomski rad pod nazivom „Identifikacija terapijskih problema u populaciji hospitalizovanih gerijatrijskih pacijenata“ odbranila je na Katedri za farmakokinetiku i kliničku farmaciju. Tokom studija je nagradjivana od strane Farmaceutskog fakulteta za postignut uspeh. Stipendista je Fonda za mlade talente Republike Srbije – Dositeja. Školske 2018/2019. godine nagrađena je od strane Naučnog fonda „Profesor Ivan Berkeš“ kao najbolji student na smeru magistar farmacije. Od oktobra 2019. godine zapošlena je kao saradnik u nastavi na Katedri za farmakokinetiku i kliničku farmaciju. Trenutno pohađa specijalističke akademske studije iz Farmaceutske zdravstvene zaštite.



Teodora Bulog

was born on February 25, 1995 in Bor. She finished primary school and high school, Bora Stanković in Bor, and she has been awarded with the „Vuk Karadžić“ certificate. She enrolled in the Faculty of Pharmacy, University of Belgrade, the study program Pharmacy, in 2014. She graduated in July 2019 with an average grade of 9.75/10 and thus acquired the professional title of Master of Pharmacy. She defended Final work entitled „Identification of therapeutic problems in the population of hospitalized geriatric patients“ at the Department of Pharmacokinetics and Clinical Pharmacy. During the studies, she was awarded by the Faculty of Pharmacy for her success. In 2019 she obtained a scholarship of the Foundation for Young Talents of the Republic of Serbia – Dositeja. In the same year, she was awarded by the Scientific Foundation „Professor Ivan Berkeš“ as the best graduated student. Since October 2019, she has been employed at the Department of Pharmacokinetics and Clinical Pharmacy as a teaching assistant. She is currently attending specialist academic studies in Pharmaceutical care.

Milena Simić

rođena je 22. 01. 1996. godine u Gnjilanu. Osnovnu školu i srednju medicinsku školu „Doktor Milenko Hadžić”, smer laboratorijski tehničar, završila je u Nišu. Upisala je Farmaceutski fakultet u Beogradu, smer magistar farmacije-medicinski biohemičar 2015. godine, a diplomirala je u julu 2020. godine. Milena Simić je dobitnica pohvalnice Udruženja zdravstvenih radnika Niša kao najbolji đak u kategoriji učenika srednje medicinske škole u školskoj 2014/2015 godini. Dobitnica je nagrade „Prof. dr Ivan Berkeš” kao najbolji student magistar farmacije-medicinski biohemičar u školskoj 2019/2020 godini. Tokom studija bila je član Centra za naučno-istraživački rad studenata (CNIRS), kao i autor i koautor studentskih naučno-istraživačkih radova na Katedri za medicinsku biohemiju Farmaceutskog fakulteta u Beogradu, pod mentorstvom Prof. dr Jelene Kotur-Stevuljević. Učestvovala je na XII Mini-kongresu studenata Farmaceutskog fakulteta u Beogradu 2019. godine kao i na 60. Kongresu studenata biomedicinskih nauka Srbije na Kopaoniku 2019. godine, na kojima je prezentovala studentske naučno istraživačke radove na temu „Poređenje parametara oksidativno stresnog statusa u salivu i krvi kod zdravih ispitanika” i „Antioksidativna aktivnost novo sintetisanih polifenolnih jedinjenja”. Takođe iste godine bila je učesnik 6. Internacionalne letnje škole (Central European Exchange for University Studies-CEEPUS) u Portorožu, Sloveniji sa temom „Novi dijagnostički i terapijski pristupi u hroničnim i starosno povezanim bolestima” na kojoj je prezentovala rad na



Milena Simić

was born on 01. 22. 1996 in Gnjilane. She completed elementary and medical high school „Doktor Milenko Hadžić” in Niš. In 2015 she enrolled in the Faculty of Pharmacy in Belgrade (Master of Pharmacy-Medical biochemistry) and graduated in July of 2020.

Milena Simić was awarded with the commendation by the „Association of health care workers of Niš” as the best student in category of medical high school students of the class 2014/2015. She also received „Prof. Dr. Ivan Berkeš” annual award as the best student of the class 2019/2020. During her studies she was the member of the Student Scientific-Research Center (CNIRS) in Faculty of Pharmacy in Belgrade, and both author and co-author of many student scientific-research papers on Medical Biochemistry Chair in the Faculty of Pharmacy in Belgrade, under mentorship of Prof. dr sci Jelena Kotur-Stevuljević. She participated in XII Mini-Congress of students at the Faculty of Pharmacy in Belgrade in 2019, and also in Sixtieth Congress of Biomedical Sciences Students of Serbia in Kopaonik mountain in 2019. There she presented her student scientific-research papers on the topic „Comparison of the oxidative status parameters between saliva and blood in healthy individuals” and „Antioxidant activity of newly synthesized polyphenolic compounds”. In the same year she was a participant of the 6th International Central European Exchange for University Studies (CEEPUS) summer school in Portorož, Slovenia, on the theme „Novel diagnostic and therapeutic approaches to chronic and age-related diseases” and gave

temu „Glikobiologija starenja”. Učesnik je i 6. Globalne Studentske konferencije Biomedičinskih nauka (GSC) na kojoj je prezentovala svoj autorski rad „Antioksidativna aktivnost ketona maline i njegovog dimera”.

a speech about the „Glycobiology of aging”. Milena Simić is also a participant 6th Global Student Conference of Biomedical Sciences (GSC) where she presented her paper on theme „Antioxidant activity of raspberry ketone and its dimmer”.

Milan Beljkaš

je rođen 26. 09. 1996. u Pljevljima, Crna Gora. Osnovnu školu i gimnaziju je završio u Pljevljima, nakon čega 2015. godine upisuje Farmaceutski fakultet, Univerzitet u Beogradu. Tokom svog studiranja Milan je 2016, 2017, 2018. i 2019. godine dobijao Godišnju nagradu najboljim studentima Farmaceutskog fakulteta. Dobitnik je nagrade „Prof. dr Ivan Berkeš“ kao najbolji student magistar farmacije u školskoj 2019/20 godini. Naučno-istraživački rad je obavljao na Katedri za farmaceutsku hemiju na kojoj i diplomirao. Tema njegovog naučno-istraživačkog i diplomskog rada je: Molekulsko modelovanje, sinteza i ispitivanje antimigratoričnih i antiinvazivnih osobina novih derivata 1-benzhidrilnog piperazina. Dobitnik je Dositejeve stipendije za 2020. godinu koju dodjeljuje Ministarstvo omladine i sporta. Tokom studiranja, obavljao je funkciju edukativnog koordinatora u okviru Studentske organizacije Farmaceutskog fakulteta (BPSA) i učestvovao na brojnim kongresima u organizaciji NAPSer-a (Nacionalna Asocijacija Studenata Farmacije-Srbija) i EPSA-e (Evropska asocijacija studenata farmacije). 2020. godine je upisao i doktorske studije na Katedri za farmaceutsku hemiju.



Milan Beljkaš

was born on 26. 09. 1996 in Pljevlja, Montenegro. He completed elementary school and high school in Pljevlja, after which he enrolled at the Faculty of Pharmacy, the University of Belgrade in 2015. During his studies, Milan Beljkaš received the Annual Award for the best students of the Faculty of Pharmacy in 2016, 2017, 2018. and 2019. He received the „Prof. Dr. Ivan Berkeš“ annual award as the best student of the class 2019/20. He performed scientific research work at the Department of Pharmaceutical Chemistry, where he graduated. The topic of his scientific research was: Molecular modeling, synthesis, and testing of anti-migratory and anti-invasive properties of new derivatives of 1-benzhydryl piperazine. He received a scholarship for 2020, which is awarded by the Ministry of Youth and Sports of Serbia. During his studies, he was an educational co-ordinator in the Student Organization of the Faculty of Pharmacy (BPSA) and participated in numerous congresses organized by NAPSer (National Association of Pharmacy Students-Serbia) and EPSA (European Pharmaceutical Students' Association). In 2020, he enrolled in doctoral studies at the Department of Pharmaceutical Chemistry.

BIBLIOGRAFSKI IZVOR

BIBLIOGRAPHIC SOURCES

1. Majkić-Singh N, Đurđević J, Kavarić J. Razvoj medicinske biohemije u Jugoslaviji. Društvo medicinskih biohemičara Jugoslavije; Beograd, 1998.
2. Druga godišnja naučna konferencija/ Second Annual Ivan Berkeš Conference. Jugoslov Med Biohem 2002; 19:43.
3. Majkić-Singh N. Peta godišnja naučna konferencija „Profesor Ivan Berkeš“; Centralna laboratorija i Institut za medicinsku biohemiju. Jugoslov Med Biohem 2002; 21(4): 355–61.
4. Majkić-Singh N. Centralna laboratorija i Institut za medicinsku biohemiju Kliničkog centra Srbije, 1952. u reči i slici 2002. Izdavač: Društvo medicinskih biohemičara Jugoslavije, 2002.
5. Majkić-Singh N. Društvo medicinskih biohemičara Srbije i Crne Gore – 50 godina postojanja i rada. Jugoslov Med Biohem 2005; 24: 157–70.
6. Majkić-Singh N. Srpska medicinska biohemija u 21. veku – posle 70 godina. Društvo medicinskih biohemičara Srbije, Beograd, 2015.
7. Arhiva Društva medicinskih biohemičara Srbije.
8. Foto dokumentacija Društva medicinskih biohemičara Srbije.
9. Sajt Društva medicinskih biohemičara Srbije. www.dmbj.org.rs
10. Donev D. The first doyens at the Faculty of Medicine in Skopje: Ivan Berkeš, Professor and founder of the Institute of Biochemistry at the Faculty of Medicine in Skopje. [In Macedonian]. Vox Medici, Jun 2019; 28(103): 50–2. Available at: <http://www.lkm.org.mk/mk/zapis.asp?id=308>
11. Jovičić S. Liaison Member of the IFCC eNewsletter Working Group. Report on Annual Scientific Conference „Professor Ivan Berkeš“ from 13th to 22nd Conference, 2020. IFCC and EFLM website.

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