

## LIČNI PODACI

Ime **ANA TOMAS**  
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## RADNO ISKUSTVO

Mart 2018 – **Asistent za naučnu oblast farmakologija sa toksikologijom**- Katedra za farmakologiju, toksikologiju i kliničku farmakologiju, Medicinski fakultet Novi Sad, Hajduk Veljkova 3 21000 Novi Sad, Srbija

Oktoibar 2013 – **Istraživač saradnik** - Angažovana na projektu Ministarstva za prosvetu, nauku i tehnološki razvoj Interakcije ksenobiotika i njihov uticaj na sisteme u biomedicini – projekat broj 41012, nosilac projekta prof. dr Momir Mikov, Katedra za farmakologiju, toksikologiju i kliničku farmakologiju, Medicinski fakultet Novi Sad, Hajduk Veljkova 3 21000 Novi Sad, Srbija

Mart 2013 – Oktoibar 2013 – **Stażista**, Klinički centar Vojvodine, Hajduk Veljkova 1, 21000 Novi Sad, Srbija

## OBRAZOVANJE

Oktoibar 2013 – **Doktorske studije kliničke medicine**, Prosečna ocena 9.80, prijavljena tema doktorske disertacije “**Određivanje tkivne farmakokinetike levofloksacina i daidzeina primenom mikrodijalizne metode**”, Medicinski fakultet Novi Sad, Univerzitet u Novom Sadu

Mart 2013. **Doktor medicine**, prosečna ocena 9.03, odbranjen diplomski rad pod nazivom “Struktura upotrebe lekova u terapiji arterijske hipertenzije kod vanbolničkih pacijenata”, mentor prof. dr Olga Horvat

## STUDIJSKI BORAVCI U INOSTRANSTVU

Maj 2019 **University of Naples Federico II, Naples, Italy, Erasmus+ Teaching Mobility for Academic Staff**

• Oktoibar – Decembar 2017. **Curtin Health Innovation Institute, Curtin University, Perth, Australia**, Sekondment u sklopu projekta HORIZON 2020-MEDLEM Project No. 690876

## USAVRŠAVANJA

Jun 2019. **Učešće na letnjoj školi (EURODURG DUR Summer school), Stokholm**

April 2019. **Seminar “Dobra klinička praksa u kliničkim ispitivanjima”, Srpsko lekarsko društvo, Sekcija za kliničku farmakologiju**

Novembar 2018. **Kurs “Remodelacija srednjeg masiva lica”, Dani nehirurške estetske medicine -SUDEL 2018, Beograd, Srbija**

Januar 2018. **Seminar o recenziranju za istraživače, Centar za promociju nauke**

Maj 2017. **Obuka za rad sa eksperimentalnim životinjama, Sertifikat V kategorije, Biološki fakultet Univerziteta u Beogradu**

April 2017. **“Pokreni dobar biznis” – seminar o društveno odgovornom poslovanju, Social Impact Award Serbia**

April 2016. **Metodologija istraživanja, naučno pisanje i prezentacija rezultata - prirodne i tehničke nauke, Univerzitet u Novom Sadu, TRAIN (Teaching and Research for Academic Newcomers)**

Septembar 2015.

*Preduzetničke veštine, Umrežavanje i timski rad*, Univerzitet u Novom Sadu, TRAIN (Teaching and Research for Academic Newcomers)

### STRANI JEZICI

- Čitanje
- Pisanje
- Govor

#### ENGLESKI

NAPREDNI NIVO

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NAPREDNI NIVO

#### NEMAČKI

OSNOVNI NIVO

OSNOVNI NIVO

OSNOVNI NIVO

### TEHNIČKE SPOSOBNOSTI

#### I STRUČNOST

Windows okruženje, Internet, MS OFFICE paket, Excel - napredno znanje (pivot tablete, napredne funkcije, baze podataka); **Win-Non-Lin** – simulacije, nekompartmanska analiza; SPSS – deskriptivna statistika, parametarski, neparametarski testovi, korelaciona i regresiona analiza, multiple response sets, eksplorativna faktorska analiza; alati za on-line istraživanja (Google forms, Limesurvey, TypeForm); Adobe Photoshop, InDesign.

## UČEŠĆE U PROJEKTIMA

Projekti finansirani od strane Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije (2013- ): „Interakcije ksenobiotika i njihov uticaj na sisteme u biomedicini“ – projekat broj 41012, rukovodilac projekta prof. dr Momir Mikov.

Dugoročni projekti finansirani od strane Pokrajinskog sekretarijata za visoko obrazovanje i naučnoistraživačku delatnost (2016- ): „Renesansa industrijske konoplje u svetlu aktuelnih agronomsko-medicinskih izazova“ broj 114-451-2178/2016-03, rukovodilac projekta prof. dr Dragana Latković.

Kratkoročni projekti finansirani od strane Pokrajinskog sekretarijata za visoko obrazovanje i naučnoistraživačku delatnost (2018- ): „Optimizacija doziranja beta laktamskih antibiotika kod kritično obolelih pacijenata“, rukovodilac projekta prof. dr Zdenko Tomić

Međunarodni projekti (2017- 2017): „Cost-effective microfluidic electronic devices for optimal drug administration based on fractional pharmacokinetics for leukemia treatments“ HORIZON 2020 MEDLEM Project No. 690876

European Association for Clinical Pharmacology and Therapeutics (EACPT)

European Society of Clinical Microbiology and Infectious Diseases (ESCMID)

International Society for Infectious Diseases (ISID)

International Society For Pharmacoeconomics and Outcomes Research (ISPOR)

ISPOR University Of Novi Sad Student Chapter

Srpsko lekarsko društvo Lekarska komora Srbije

## ČLANSTVO U STRUČNIM I NAUČNIM ASOCIJACIJAMA

## NASTAVNI RAD:

Od školske 2014/15 učešće u izvođenju praktične nastave na Katedri za farmakologiju, toksikologiju i kliničku farmakologiju iz predmeta Opšta farmakologija za integrisane studije medicine, stomatologije i farmacije, predmeta Farmakologija za studije prvog stepena zdravstvene nege i Farmakologija sa toksikologijom za studije medicinske rehabilitacije.

Mentor i komentor na pet studentskih rada, prezentovana na nacionalnim i međunarodnim kongresima.

## STIPENDIJE

Dobitnik stipendije za učešće na 6<sup>th</sup> *Eurasia Congress of Infectious Diseases (EACID)* kongresu u Beogradu 2014, *European Association for Clinical Pharmacology and Therapeutics (EACPT)* kongresu u Madridu 2015 i na 22<sup>nd</sup> *Scientific Symposium of the Austrian Pharmacological Society (APHAR)* kongresu u Beču 2016.

## UČEŠĆA NA NAUČNIM SKUPOVIMA

2018 - X Nedelja bolničke kliničke farmakologije, Beograd, Srbija

2018 – 24<sup>th</sup> Scientific Symposium of the Austrian Pharmacological Society, Grac, Austrija

2018 - Migrations from Antiquity to the Present Days, Novi Sad, Srbija

2017 – IX Nedelja bolničke kliničke farmakologije, Beograd, Srbija

2017 - 2<sup>nd</sup> International Caparica Conference in Antibiotic Resistance, Lisabon, Portugal

2016 – VIII Nedelja bolničke kliničke farmakologije, Beograd, Srbija

2016 - 22<sup>nd</sup> Scientific Symposium of the Austrian Pharmacological Society, Beč, Austrija

2015 – VII Nedelja bolničke kliničke farmakologije, Beograd, Srbija

2015 -12<sup>th</sup> European Association for Clinical Pharmacology and Therapeutics, Madrid, Španija

2014 – VI Nedelja bolničke kliničke farmakologije, Beograd, Srbija

2014 - ISPOR 17<sup>th</sup> Annual European conference, Amsterdam, Holandija

2014 - 6<sup>th</sup> Eurasia Congress of Infectious Diseases, Beograd, Srbija

2013 – V Nedelja bolničke kliničke farmakologije, Beograd, Srbija

2013 - 11<sup>th</sup> European Association for Clinical Pharmacology and Therapeutics, Ženeva, Švajcarska

**Radovi u časopisima:****Međunarodni časopis izuzetnih vrednosti (M21a)**

1. Paut Kusturica M, **Tomas A**, Sabo A. Disposal of Unused Drugs: Knowledge and Behavior Among People Around the World. *Rev Environ Contam Toxicol* 2017;240:71-104.

**Rad u vrhunskom međunarodnom časopisu (M21)**

2. **Tomas A**, Stilinović N, Sabo A, Tomić Z. Use of microdialysis for assessment of fluoroquinolone pharmacokinetics in the clinical practice. *European Journal of Pharmaceutical Sciences*. 2019; 131:230-42.
3. Horvat O, **Tomas A**, Kusturica M, Savkov A, Bukumirić D, Tomić Z, Sabo A. Is the level of knowledge a predictor of rational antibiotic use in Serbia?. *PLoS one*. 2017;12(7):e0180799.
4. Paut Kusturica M, **Tomas A**, Sabo A, Tomić Z, Horvat O. Medical Cannabis: Knowledge And Attitudes of Prospective Doctors in Serbia. *Saudi Pharmaceutical Journal*. 2018;27(3):320-5.

**Rad u istaknutom međunarodnom časopisu (M22)**

5. Tomić Z, **Tomas A**, Vukmirović S, Mikov M, Horvat O, Tomić N, Sabo A. Do We Bury Antibacterials When Launching? Cefaclor Example. *J Pharm Sci*. 2016;105(3):1295-300.
6. Horvat O, Popržen J, **Tomas A**, Kusturica M, Tomić Z, Sabo A. Factors Associated With Non-Adherence Among Type 2 Diabetic Patients In Primary Care Setting In Eastern Bosnia And Herzegovina. *Primary Care Diabetes*. 2018;12(2):147-54.
7. Horvat O, Mijatović V, Milijašević B, **Tomas A**, Paut Kusturica M, Tomić Z, Sabo A. Are There Striking Differences in Outpatient Use of Antibiotics Between South Backa District, Serbia and Some Scandinavian Countries. *Front. Public Health* | doi: 10.3389/fpubh.2018.00091
8. Tomić Z, **Tomas A**, Benšova Z, Tomić L, Horvat O, Varga I, Paut Kusturica M, Sabo A. Challenges Of Providing Access to Cutting-Edge Cancer Medicines in the Countries of Former Yugoslavia. . *Front. Public Health*. 2018;6:193

**Rad u međunarodnom časopisu (M23)**

9. **Tomas A**, Kusturica MP, Tomić Z, Horvat O, Koprivica DD, Bukumirić D, Sabo A. Self-medication with antibiotics in Serbian households: a case for action?. *International Journal of Clinical Pharmacy*. 2017; 8:1-7.
10. Sabo A, **Tomas A**, Tomić N, Popović R, Mikov M, Horvat O, Tomić Z. Pharmacokinetic /pharmacodynamic based dosing of ciprofloxacin in complicated urinary tract infections. *Bangladesh J Pharmacol*. 2015;10:621-6.
11. **Tomas A**, Tomić Z, Milijašević B, Ban M, Horvat O, Vukmirović S, Sabo A. Patterns of prescription antihypertensive drug utilization in Novi Sad and adherence to treatment guidelines. *Vojnosanitet pregled*. 2015; 73(6):531–7.
12. Paut Kusturica M, **Tomas A**, Tomić Z, Bukumirić D, Corac A, Horvat O, Sabo A. Analysis of expired medications in serbian households. *Zdrav Var* 2016 1;55(3):195–201.
13. Paut Kusturica M, Tomić Z, Bukumirić Z, Ninković Lj, **Tomas A**, Stilinović N, Sabo A. Home pharmacies: An insight into self-medication practice in Serbia. *Int J Clin Pharm* 2015;37(2):373-8.
14. Vukmirović S, Paut Kusturica M, Milijašević B, Trifunović J, **Tomas A**, Mikov M. Fermentation Potentiates Antimotility Properties of Chamomile Ligulate Flower Extracts. *Indian J Pharm Sci* 2016;78(5):692-5.
15. Hogervorst J, Rašković A, Ubavić M, **Tomas A**, Gaćeša B, Borčić V, Bjelica A, Mikulić M, Stilinović N. Evaluation of Safety and Interactions with Conventional Drugs of Commercially Available Soybean Extract-Containing Dietary Supplements. *Indian J Pharm Sci*. 2018;80(5):858-67.
16. Rašković A, Kvrđić M, **Tomas A**, Stilinović N, Čabarkapa V, Rakić D, Stojšić-Milosavljević A, Paut Kusturica M. Antinociceptive activity of Thyme (*Thymus vulgaris* L.) and interactions with neurotropics and analgesics. *Brazilian journal of pharmaceutical sciences* 2019 (in press)

### **Rad u naučnom časopisu nacionalnog značaja (M51)**

17. Maričić M, Paut Kusturica M, Manojlović M, **Tomas A**, Horvat Goločorbin Kon S, Tomić Z, Sabo A. Medication use in the community: comparison between urban and rural home-pharmacies. *Journal of Health Science and Medical Research* 2019 (in press)

### **Rad u naučnom časopisu (M53)**

18. Stojanović M, Tomas A, Paut-Kusturica M, Rašković A, Ubavić M, Tomić Z, Sabo A, Horvat O. Pharmacy Students' Knowledge and Attitudes Regarding Cannabis for Medical Purposes. *Hospital Pharmacology*. 2017; 4(3):559-567
19. Popržen J, Tomić Z, Tomas A, Paut Kusturica M, Sabo A, Horvat O. Prevalence of Diabetes Mellitus and Antidiabetic Drug Utilization in the Eastern Bosnia and Herzegovina: a Pilot Study. *Hospital Pharmacology*. 2018; 5(3):687-693

### **Saopštenja na skupovima:**

#### **Saopštenje sa međunarodnog skupa štampano u izvodu (M34):**

1. Tomas A, Horvat O, Tomić Z, Ban M, Sabo A. Pattern of benzodiazepines utilization in outpatients with hypertension in Serbia. 17th ISPOR Annual European Congress. 8-12 November, 2014 Amsterdam, Netherlands. *Value in Health*. 2014;17(7); 504.
2. Tomas A, Horvat O, Tomić Z, Ban M, Sabo A. Usage of antihypertensive drugs in Serbia: Age and gender stratification. 11th Conference of the European Association for Clinical Pharmacology and Therapeutics (EACPT). Geneva; 2013 28-31 August. *Clinical therapeutics* 2013; 35(8): p.44-5.
3. Sabo A, Tomas A, Horvat O, Paut Kusturica M, Vukmirović S, Tomić Z. The pharmacokinetic-pharmacodynamic approach to a rational dosage regimen for cefaclor. *Eurasia Congress of Infectious Diseases (EACID)*. 24-27 September, 2014, Beograd, Srbija; Congress book p. 643
4. Tomić Z, Tomas A, Horvat O, Paut Kusturica M, Vukmirović Saša, Sabo A. Pharmacokinetic/pharmacodynamic aspects of ciprofloxacin in treatment of complicated urinary tract infections. *Eurasia Congress of Infectious Diseases (EACID)*. 24-27 September, 2014, Beograd, Srbija; Congress book p. 644
5. Paut Kusturica M, Tomas A, Horvat O, Bukumirić Zoran, Tomić Z. Non-steroidal anti-inflammatory drugs in household drug supplies in Serbia. 17th ISPOR Annual European Congress. 8-12 November, 2014 Amsterdam, Netherlands. *Value in Health* 2014; 17(7); 415-6.
6. Tomas A, Horvat O, Kusturica Paut M, Tomic Z, Ban M, Sabo A. Antihypertensive Drug Utilization in Elderly Outpatients in Serbia. *Value in Health*. 2015; 18(3):A134-A134.
7. M. Paut Kusturica, A. Tomas, O. Horvat, Z. Tomić, A. Sabo. Storage and Disposal of Unused Medications: Knowledge, Behavior, and Attitudes Among Serbian People. 12th Conference of the European Association for Clinical Pharmacology and Therapeutics (EACPT). Madrid; 2015 27-30 June. *Clinical therapeutics*. 2015; 37(8S): e27.
8. Z. Tomić, A. Tomas, A. Sabo, M. Mikov, S. Vukmirović, O. Horvat, B. Milijašević, N. Tomić. Dosing of ciprofloxacin in uncomplicated urinary tract infections. 12th Conference of the European Association for Clinical Pharmacology and Therapeutics (EACPT). Madrid; 2015 27-30 June. *Clinical therapeutics* 2015; 37(8S): e137.
9. A Tomas, O. Horvat, M.P. Kusturica, N. Pavlović, B. Milijašević, Z. Tomić, A Sabo. Pharmacokinetics and Pharmacodynamic dosage adaptation of cefaclor in systemic infections. 12th Conference of the European Association for Clinical Pharmacology and Therapeutics (EACPT). Madrid; 2015 27-30 June. *Clinical therapeutics* 2015; 37(8S): e81.
10. M Paut Kusturica, A Tomas, Boja Trivić, Zoran Bukumirić, Z Tomić, A Sabo. An Alysis of expired medications in Serbian households. 21st Scientific Symposium of the Austrian Pharmacological Society. Joint Meeting with the British Pharmacological Society and the Pharmacological Societies of Croatia, Serbia and Slovenia. Graz, 16–18 September 2015. *Intrinsic Activity*, 2015; 3(Suppl.2):A8.2
11. A Tomas, Z Tomić, M Paut Kusturica, O Horvat, Bojan Stanimirov, A Sabo. Fighting antibiotic resistance: the concept of mutant selection window and mutant prevention concentration. 22nd Scientific Symposium of the Austrian Pharmacological Society.

- Joint meeting with the Hungarian Society for Experimental and Clinical Pharmacology Vienna, Austria, 8–10 September 2016. *Intrinsic activity*, 2016;4(Suppl.3) : A2.2
12. M Paut Kusturica, Z Tomić, A Tomas, O Horvat, Bojan Stanimirov, A Sabo. Content of home pharmacies and self-medication practice in households in Novi Sad, Serbia. 22nd Scientific Symposium of the Austrian Pharmacological Society. Joint meeting with the Hungarian Society for Experimental and Clinical Pharmacology Vienna, Austria, 8–10 September 2016. *Intrinsic activity*, 2016;4(Suppl.3):A5.1
  13. Tomas A, Paut Kusturica M, Tomić Z, Horvat O, Milovic M, Trifunović J, Sabo A. Significance of mutant selection window and mutant prevention concentration concepts: a review. II International conference on Antibiotic Resistance, Costa da Caparica (Lisbon), Portugal, 12 - 15 June 2017.
  14. Paut Kusturica M, Tomas A, Horvat O, Milovic M, Tomić Z, Sabo A. Antibiotics in Serbian households: use and misuse. II International conference on Antibiotic Resistance, Costa da Caparica (Lisbon), Portugal, 12 - 15 June 2017.
  15. Horvat O, Poprzen J, Tomas A, Paut Kusturica M, Tomić Z, Sabo A. Non-Adherence and Associated Factors Among Type 2 Diabetic Patients in Republic of Srpska (Bosnia and Herzegovina) 13th Conference of the European Association for Clinical Pharmacology and Therapeutics (EACPT). Prague; 2017 24-27 June.
  16. Horvat O, Halgato A, Tomas A, Paut Kusturica M, Tomić Z, Sabo A. Public Knowledge, Beliefs, and Behavior Regarding the Use of Antibiotics in Serbia. 13th Conference of the European Association for Clinical Pharmacology and Therapeutics (EACPT). Prague; 2017 24-27 June.
  17. Tomas A, Tomić Z, Stilinović N, Horvat O, Paut Kusturica M, Stanimirov B, Sabo A. Dose optimization of antibacterials: plasma vs. tissue concentrations. Scientific Symposium of the Austrian Pharmacological Society (APHAR) (23; Innsbruck; 2017)
  18. Tomić Z, Tomas A, Paut Kusturica Milica. Drugs Interactions Knowledge of the Nurses. Međunarodna naučno–stručna konferencija Zdravstveni i socijalni problemi 21 veka (13; Bački Petrovac; 2017 )
  19. Tomas A, Kartalija N. The impact of migrations on the spread of infectious diseases and bacterial resistance. Migrations from the antiquity to the present days. Novi Sad; 2018 14-15 April.
  20. Tomas A, Pavlović N, Paut Kusturica M, Horvat O, Lazarević S, Tomić Z, Sabo A. Prevalence and predictors of self-medication among medical and pharmacy students. Scientific Symposium of the Austrian Pharmacological Society (APHAR) (24 ; Graz ; 2018)
  21. Horvat O, Popržen J, Paut Kusturica M, Tomas A, Tomić Z, Sabo A. Factors associated with refill adherence to antidiabetic medication in patients with type 2 diabetes. Scientific Symposium of the Austrian Pharmacological Society (APHAR) (24 ; Graz ; 2018)

**Saopštenje sa skupa nacionalnog značaja štampano u izvodu (M64):**

22. Tomas A, Horvat O, Tomić Z, Paut Kusturica M, Sabo A. Upotreba benzodiazepina kod vanbolničkih pacijenata sa hipertenzijom u Novom Sadu. Skup Nedelja bolničke kliničke farmakologije Srpskog lekarskog društva. Srpsko lekarsko društvo, Akademija medicinskih nauka. 28-29 Novembar, Beograd, Srbija; 2014. Knjiga sažetaka. p. 80-81.
23. Tomas A, Horvat O, Tomić Z, Sabo A. Struktura upotrebe lekova u terapiji arterijske hipertenzije kod vanbolničkih pacijenata ženskog pola u Novom Sadu. Simpozijum - V nedelja bolničke kliničke farmakologije. Srpsko lekarsko društvo, Akademija medicinskih nauka. Beograd; 2013 29 Novembar-31 Decembar; Knjiga sažetaka. p. 122-3.
24. Tomić Z, Sabo A; Tomas A; Horvat O; Vukmirović Saša; Milijašević Boris; Paut Kusturica M. Farmakokinetički/farmakodinamski parametri ciprofloksacina kod lečenja urinarnih infekcija. Skup Nedelja bolničke kliničke farmakologije Srpskog lekarskog društva. Srpsko lekarsko društvo, Akademija medicinskih nauka. 28-29 Novembar, Beograd, Srbija 2014; Knjiga sažetaka. p. 18-19.
25. Paut Kusturica M, Tomas A, Bukumirić Zoran, Tomić Z, Sabo A. Lekovi u kućnim apotekama i samomedikacija. Skup Nedelja bolničke kliničke farmakologije Srpskog lekarskog društva. Srpsko lekarsko društvo, Akademija medicinskih nauka. Beograd; 2014 28-29 Novembar; Knjiga sažetaka. p. 82-83.
26. Ana Sabo, Ana Tomas, Olga Horvat, Milica Paut Kusturica, Zuzana Benšova, Zdenko Tomić. Farmakoeonomski aspekti lekova iz grupe L. VIII Nedelja bolničke kliničke farmakologije. Beograd, Srbija 26.-27.11.2016. Knjiga sažetaka: 48-49.
27. Ana Tomas, Milica Paut Kusturica, Zdenko Tomić, Olga Horvat, Marko Milović,

Svetlana Rakić, Ana Sabo. Samomedikacija antibioticima iz kućnih apoteka u Novom Sadu. VIII Nedelja bolničke kliničke farmakologije. Beograd, Srbija 26.-27.11.2016. Knjiga sažetaka: 86-87.

28. Olga Horvat, Jelena Popržen, Milica Paut, Ana Tomas, Zdenko Tomić, Ana Sabo. Prevalenca dijabetesa i upotreba antidijabetika u tri opštine Republike Srpske. VIII Nedelja bolničke kliničke farmakologije. Beograd, Srbija 26.-27.11.2016. Knjiga sažetaka: 74-75.