

## **Maja Tomić, PhD**

### **Employment Information:**

- 2020. Full Professor  
Department of Pharmacology, Faculty of Pharmacy – University of Belgrade
- 2014. Associate Professor  
Department of Pharmacology, Faculty of Pharmacy – University of Belgrade
- 2009. Assistant Professor  
Department of Pharmacology, Faculty of Pharmacy – University of Belgrade
- 2005. Teaching Assistant  
Department of Pharmacology, Faculty of Pharmacy – University of Belgrade
- 2001. Assistant–trainee  
Department of Pharmacology, Faculty of Pharmacy – University of Belgrade
- 2000. Teaching Associate  
Department of Pharmacology, Faculty of Pharmacy – University of Belgrade

### **Education:**

- 2014. Pharmacy Specialist  
Academic specialization *Pharmacotherapy in pharmaceutical practice*, University of Belgrade – Faculty of Pharmacy
- 2008. Doctor of Medical Sciences  
Defended doctoral dissertation: *Mechanisms of antinociceptive action of oxcarbazepine and its interaction with analgesics in experimental models of pain*;  
Institute of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade; mentor: Prof. Dr. Sonja Vučković.
- 2004. Master of Medical Science  
Defended master's thesis: *Effects of oxcarbazepine in experimental models of phase and tonic pain in mice and rats*;  
Institute of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade; mentor: prof. Dr. Sonja Vučković.
- 1999. Passed professional exam for Graduate Pharmacists
- 1998. Graduate Pharmacist  
University of Belgrade – Faculty of Pharmacy (average grade 9.77)
- 1993. Graduated from gymnasium in Belgrade

### **Academic awards and distinctions:**

- 2016. *Fulbright Visiting Scholar* Scholarship Program for a 6-month study stay at the Research Center of the University of Colorado School of Medicine (Anschutz Medical Campus University of Colorado)
- 2008. Second Prize of the Ministry of Science and Technological Development of the Republic of Serbia at the Competition for the Best Technological Innovation, Medicine and Genetics
- 2007. Annual award of the Faculty of Pharmacy for scientific research
- 1999. “Dragičević Fund” Award and the University of Belgrade for the best success achieved during the studies
- 1999. Award of the Faculty of Pharmacy for the best success achieved during the studies
- 1994–1998. Scholarship of the University of Belgrade

### **Teaching activities:**

#### *Integrated academic studies*

- Preparation and implementation of classes in the following subjects: Pharmacology 1, Pharmacology 2, Pharmacotherapy, Pharmacotherapy in Pediatrics, Sports Pharmacy, Biochemistry of Sport, Student Professional Practice
- Final papers (mentor and member of the commission for preparation and defense of several final papers)

#### *Specialist health studies in pharmacotherapy*

- Preparation and implementation of classes in the following subjects: Pharmacology, Pharmacotherapy

#### *Specialist health studies in pharmaceutical technology*

- Preparation and implementation of classes in the following subject: Selected Chapters of Pharmacotherapy

#### *Specialist academic studies - Pharmacotherapy in Pharmaceutical Practice*

- Preparation and implementation of classes in the following subjects: Pharmacotherapy 1, Pharmacotherapy 2, Pharmacotherapy 3, Pharmacovigilance and drug registration

#### *Doctoral academic studies*

- Preparation and implementation of classes in the following subjects: Pharmacology of Pain, Communication and Presentation Skills
- Doctoral dissertations:

Mentor of a defended doctoral dissertation at the Faculty of Pharmacy, University of Belgrade (Dr. Uroš Pecikoza);

Member of the commission for the defense of two doctoral dissertations in the field of pharmacology at the Faculty of Pharmacy and the Faculty of Medicine;

Member of the commission for the defense of two doctoral dissertations in the field of pharmacognosy and one in social pharmacy and research of pharmaceutical practice at the Faculty of Pharmacy, University of Belgrade

Additional participation in extracurricular activities of students:

- Student research papers (mentor or co-mentor on several student research papers)
- Member of the expert commission of the Fifth Student Mini-Congress
- Member of the expert commission of the 58th Congress of Students of Biomedical Sciences of Serbia (Kopaonik, 2017)
- Co-mentor on the awarded work at the 59th Congress of Students of Biomedical Sciences of Serbia (Kopaonik, 2018) and the awarded work at the International Congress of Students of Biomedical Sciences held at the Faculty of Medicine in Belgrade (2018)

#### **Textbooks:**

- Co-author of the textbook *Pharmacotherapy for pharmacists* (Faculty of Pharmacy, University of Belgrade, 1<sup>st</sup> edition: 2011, 2014; 2<sup>nd</sup> edition: 2016, 2017, 2018, 2021)
- Co-author of the *Practicum in Pharmacology for students of pharmacy* (Faculty of Pharmacy, University of Belgrade, 1<sup>st</sup> edition: 2009; 2<sup>nd</sup> edition: 2011)
- Co-author of a professional publication of national importance *Pharmacotherapeutic Guide* (1<sup>st</sup>–4<sup>th</sup> editions I-IV; 6<sup>th</sup> edition: 2004, 2005, 2006, 2008, 2016; Medicines and Medical Devices Agency of Serbia)
- Co-author of the translation of the textbook *Pharmacology*, author Rank HP, Dale MM, Ritter JM, Moore PK (5<sup>th</sup> edition: 2003)

#### **Activities within the Faculty:**

- 2021– Member of the Ethical Commission for Work with Experimental Animals
- 2019– Member of the Working Group for the Establishment of a Biomedical Laboratory
- 2018– Member of the Working Group for Science
- 2017–2018. Head of the Working Group for Re-accreditation of the Study Program of Integrated Academic Studies, study program Pharmacy
- 2013– Member of the Commission for Monitoring and Improving the Quality of Teaching at the Faculty of Pharmacy

- 2013. Member of the Working Group for the Revision of the Document on Undergraduate Professional Practice of Students of the Faculty of Pharmacy
- 2013–2019. Member of the Commission for Monitoring and Improving the Quality of Postgraduate Teaching at the Faculty of Pharmacy
- 2013–2016. Member of the Disciplinary Commission of the Faculty of Pharmacy
- 2012–2019. Head of SAS *Pharmacotherapy in Pharmaceutical Practice*
- 2010–2012. Head of the Working Group for the Preparation of a New Study Program of SAS *Pharmacotherapy in Pharmaceutical Practice*
- 2007–2009. Member of the Commission for Monitoring and Improving the Quality of Teaching at the Faculty of Pharmacy
- 2008–2009. President of the Council for 3<sup>rd</sup> year

### **Activities within wider Academic Community:**

Engagement in professional organizations:

- 2022. Member of the Scientific Committee of the VIII Congress of Pharmacists of Serbia with international participation
- 2016– Member of the Expert Board of the Association of Pharmaceutical Associations of Serbia (SFUS)
- 2014– Supervisor for checking the professional quality of pharmacies organized by the Institute of Public Health "Dr Milan Jovanovic Batut"
- 2013– Expert of the Medicines and Medical Devices Agency of Serbia (ALIMS)

Invited lectures at national continuing education courses/professional gatherings:

- *Health risks of the most commonly used doping agents*, Meeting organized by the Institute of Sports Law - Status and perspectives of sports law in Serbia, Belgrade, 2021.
- *Medicines to relieve the symptoms of respiratory infections in the pediatric population*. 72. SFUS Symposium, Belgrade, 2021.
- *Migraine: "more than a headache" – how to treat it and how to prevent it?* Brain Awareness Week 2021 "Brain and Modern Man" organized by the Department of Student Section for Neuroscience of the Medical Faculty of the University of Belgrade.
- *Drugs in modern therapy of inflammatory bowel disease*, XIII Pharmacotherapeutic approach organized by the Student Organization of the Faculty of Pharmacy BPSA: "Silent killers of the intestine - Crohn's disease and ulcerative colitis", 2021.
- *Antibiotics - past, present, future*, Antimicrobial Resistance Week. Meeting organized by the Student Parliament of the Medical Faculty in Belgrade and the student magazine "Medicinar", 2018.

- *What do we know today about new (direct) oral anticoagulants (NOACs)?* Health Day, Jahorina, 2018
- *Pathogenesis and principles of pain treatment – non-opioid analgesics*, 69th SFUS Symposium, 2018.
- *New oral anticoagulants in the prevention and treatment of venous thromboembolism*, 68th SFUS Symposium, 2017.
- *Pharmacotherapy of Diabetes mellitus*. Continuing education course: *Diabetes mellitus – laboratory diagnostics and therapy*, Faculty of Pharmacy, University of Belgrade, 2014.
- *Drugs in the prevention and treatment of venous thromboembolism*, 60th SFUS Symposium, 2013.
- *Doping pharmacology*. Continuing education program: *Towards the Olympic Games – Medical Emergencies in Sport*, 2012.
- *Pharmacotherapy of pharyngitis, sinusitis and otitis media*, 56th SFUS Symposium, 2011.
- *Therapy of rheumatic diseases*, virtual school of the Pharmaceutical Chamber of Serbia, 2011.
- *Rational therapy of epilepsy in pregnancy*, First Sombor Pharmaceutical Days, *Therapy of chronic diseases in pregnancy*, 2011.
- *Anabolic steroid and peptide hormones as doping in sports*, 53rd SFUS Symposium, 2009.
- *Rational therapy of hypertension*, Faculty of Pharmacy, University of Belgrade, 2008.
- *Pain control drugs*, Continuing education – Faculty of Pharmacy, University of Belgrade, 2006.

Invited lectures at international conferences in the country and abroad:

- *Antibiotics – past, present, future*. First International Congress of Healthcare Professionals in the Private Sector, 2019
- *Combinations of analgesics in modern pain treatment*, VII Congress of Pharmacists of Serbia with international participation, Belgrade, 2018.
- *Anticonvulsants and pain – mechanisms of action and interactions with analgesics*, Seminars in Anesthesiology, Anschutz Medical Campus University of Colorado, 2016.
- *Pharmacotherapy of headaches*. VI Congress of Pharmacists of Serbia with international participation, Belgrade, 2014
- *Obesity and economic perspective of obesity*, Twinnet project of pharmacy students of Serbia and Turkey, 2013.
- *Ivabradin – a new drug in the treatment of stable angina*, V Congress of Pharmacists of Serbia with international participation, Belgrade, 2010.

Membership in domestic / foreign professional organizations:

- Member of the Pharmaceutical Society of Serbia, the Pharmacological Society of Serbia, the Society for Neuroscience of Serbia and the International Association for the Study of Pain (IASP)

Reviewer in international journals:

*Pharmacological Research, Frontiers in Pharmacology, Current Medicinal Chemistry, British Journal of Clinical Pharmacology, European Journal of Pain, Pain Medicine, Brain Research Bulletin, Physiology and Behavior, Naunyn-Schmiedeberg's Archives of Pharmacology, Journal of Pharmacological Sciences, Journal of Postgraduate Medicine, Journal of Pharmacy and Pharmacology, Letters in Drug Design and Discovery, Arzneimittel-forschung Drug Research*

Reviewer in a domestic journal: *Archives of Pharmacy*

Visiting editor of two thematic issues of the *Archives of Pharmacy*:

- *Modern treatment of inflammatory bowel disease and functional disorders of the lower digestive tract* 2/2017, 91-163.
- *Modern treatment of pain and headaches* 6 / 2018, 1009-1083.

### **Projects:**

- 2022– Researcher on the Science Fund of the Republic of Serbia project The IDEAS Program: *Multimodal control of chronic pain and comorbidities with atypical analgesics* - “two birds with one stone”, Acronym: Fight\_PainAndComorb
- Researcher on scientific research projects funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia:

2011– Investigation of the mechanism of action, interactions and toxic effects of adjuvant analgesics, basic research project, field of Medicine, number 175045

2006–2010: Investigation of the mechanism of action, interactions and toxic effects of analgesics and vasoactive substances, basic research project, field of Medicine, number 145030

### **Publications:**