

MAJA TOMIĆ

Employment Information:

- 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: **Junior Teaching Assistant**, Department of Pharmacology, Faculty of Pharmacy, University of Belgrade
- 2000: **Associate**, Department of Pharmacology, Faculty of Pharmacy, University of Belgrade

Education:

- 2008: **PhD**
PhD thesis: “*Mechanisms of antinociceptive effects of oxcarbazepine and its interactions with analgesics in experimental models of pain*”, Department of Pharmacology, Clinical Pharmacology and Toxicology, School of Medicine, University of Belgrade, Mentor: Prof. Sonja Vučković, PhD
- 2004: **MSc**
Master thesis: “*Effects of oxcarbazepine in experimental models of phasic and tonic pain in mice and rats*”, Department of Pharmacology, Clinical Pharmacology and Toxicology, School of Medicine, University of Belgrade, Mentor: Prof. Sonja Vučković, PhD
- 1999: **State licence exam**
- 1998: **BPharm**
Graduate thesis: “*Anabolic doping agents*”, Department of Pharmacology, Faculty of Pharmacy, University of Belgrade, Mentor: Prof. dr Nenad Ugrišić, PhD
- 1993: **Secondary school in Belgrade**

Academic awards and distinctions:

- 2008: Second prize in the category *Best technological innovation in the field of medicine and genetics*, awarded by the Ministry of Science and Technological development of Serbia
- 2007: *Annual prize for scientific research* awarded by the Faculty of Pharmacy, University of Belgrade
- 1999: *Annual prize* awarded by the “Dragičević” trust fund and the University of Belgrade
- 1999: *Prize for the best grade point average achieved during studies* awarded by the Faculty of Pharmacy, University of Belgrade
- 1994-1998: *Scholarship of the University of Belgrade*

Teaching activities:

- Integrated academic studies
Subjects (Courses):
 - ❖ Pharmacology 1
 - ❖ Pharmacology 2
 - ❖ Pharmacology 3
 - ❖ Pharmacotherapy
 - ❖ Sports pharmacy
- Specialised professional studies in pharmacotherapy
Subjects (Courses):
 - ❖ Pharmacology
 - ❖ Pharmacotherapy
- Specialised academic studies in pharmacotherapy in pharmaceutical practice
Subjects (Courses):
 - ❖ Pharmacotherapy 1
 - ❖ Pharmacotherapy 2
 - ❖ Pharmacotherapy 3
- Doctoral academic studies in pharmacology
Subjects (Courses):
 - ❖ Mechanisms of Drug Action
 - ❖ Pharmacology of Nervous System
 - ❖ Data Processing and Analysis in Pharmacology
 - ❖ Methodology of Nervous System Pharmacology
 - ❖ Methodology of the Cardiovascular Pharmacology
 - ❖ Seminars 1, 2, 3 and 4
- Doctoral academic studies in social pharmacy and pharmacy practice research
Subjects (Courses):
 - ❖ Selected Chapters of Pharmacotherapy
- Student graduate theses – Mentor of several graduate theses and committee member in the process of thesis defense
- PhD theses - Committee member for one PhD thesis defense (in the field of pharmacology) at the Faculty of Pharmacy, University of Belgrade
- Student scientific-research work - Mentor or co-mentor of 10 student scientific-research works (abstracts) and member of the Expert committee for the 5th Mini Congress of Student Scientific-research Papers.

Textbooks:

- Co-author of a Serbian version of pharmacology textbook - *Pharmacology*, Rang HP, Dale MM, Ritter JM, Moore PK (5th edition, 2003)
- Co-author of a professional publication of national importance – *Pharmacotherapy Guide* (1st, 2nd, 3rd and 4th edition, 2004, 2005, 2006, 2008) which is published by the Medicines and Medical devices Agency of Serbia
- Co-author of the *Handbook of Pharmacology* (1st and 2nd edition, 2009, 2011) which is published by the Faculty of Pharmacy, University of Belgrade

- Co-author of a textbook in pharmacotherapy – *Pharmacotherapy for pharmacists* (1st and 2nd edition, 2011, 2014) which is published by the Faculty of Pharmacy, University of Belgrade

Activities within the Faculty:

- from 2013: Member of a workgroup appointed for the revision of documents related to professional training of pharmacy students
- from 2013: Member of the Committee for the evaluation and improvement of postgraduate education at the Faculty of Pharmacy
- from 2013: Member of the Disciplinary committee of the Faculty of Pharmacy
- from 2012: Head of the specialised academic studies program – *Pharmacotherapy in pharmaceutical practice*
- 2010-2012: Head of a workgroup appointed for the creation of a new program of specialised academic studies *Pharmacotherapy in pharmaceutical practice*
- 2007-2009: Member of the Committee for the evaluation and improvement of education quality at the Faculty of Pharmacy
- 2008-2009 President of the Council for the 3rd year of studies

Activities within wider Academic Community:

- Expert of the Medicines and Medical devices Agency of Serbia
- Courses of continued education for licenced pharmacists:
 - 2013: Prevention and management of venous circulation disorders diseases (60th Symposium of the Pharmaceutical Association of Serbia)
 - 2012: Urgent medical conditions in sports
 - 2011: Therapy of upper respiratory tract diseases (56th Symposium of the Pharmaceutical Association of Serbia)
 - 2011: Therapy of rheumatic diseases (virtual school of the Serbian Chamber of Pharmacists)
 - 2011: Therapy of chronic diseases during pregnancy, First SFD, Sombor
 - 2010: From drugs to health outcomes (5th Congress of Serbian Pharmacists)
 - 2009: Vitamins and minerals, from food to drugs and back (53rd Symposium of the Pharmaceutical Association of Serbia)
 - 2008: Rational therapy of hypertension
 - 2006: Drugs in the management of pain
- Other meetings:
 - 2013: Obesity and economic perspective of obesity, Twinnet project of the students of pharmacy from Serbia and Turkey
- Membership in national and international professional organisations:
 - Member of the Pharmaceutical Association of Serbia, Serbian Association of Pharmacologists, Serbian Neuroscience Society and the International Association for the Study of Pain (IASP)

- Reviewer in international journals:
 - European Journal of Pain, Pain Medicine, 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 for the National Science Centre of Poland
- Reviewer in national journal: Arhiv za farmaciju

Projects:

- Involved in scientific projects funded by the Ministry of Education, Science and Technological Development of Serbia:
 - **2011 – 2014:** “Examination of the mechanisms of action, interactions and toxic effects of adjuvant analgesics“, basic research project in the field of medicine, project number: 175045
 - **2006 – 2010:** “Examination of mechanisms of action, interactions and toxic effects of analgesics and vasoactive substances”, basic research project in the field of medicine, project number: 145030

Most important publications:

1. Stepanović-Petrović RM, Micov AM, Tomić MA, Kovačević JM, Bošković BD. Antihyperalgesic/Antinociceptive Effects of Ceftriaxone and Its Synergistic Interactions with Different Analgesics in Inflammatory Pain in Rodents. *Anesthesiology* 2014;120:737-50.
2. Tomić M, Popović V, Petrović S, Stepanović-Petrović R, Micov A, Pavlović-Drobac M, Couladis M. Antihyperalgesic and Antiedematous Activities of Bisabolol-Oxides-Rich Matricaria Oil in a Rat Model of Inflammation. *Phytotherapy Research* 2014;28:759-66.
3. Tomić MA, Micov AM, Stepanović-Petrović RM. Levetiracetam Interacts Synergistically With Nonsteroidal Analgesics and Caffeine to Produce Antihyperalgesia in Rats. *Journal of Pain* 2013;14:1371-82.
4. Stepanović-Petrović RM, Tomić MA, Vučković SM, Poznanović G, Ugrešić ND, Prostran MŠ, Bošković B. Pharmacological interaction between oxcarbazepine and two COX inhibitors in a rat model of inflammatory hyperalgesia. *Pharmacology Biochemistry and Behavior* 2011;97:611-8.

5. Micov A, Tomić M, Popović B, Stepanović-Petrović R. The antihyperalgesic effect of levetiracetam in an inflammatory model of pain in rats: mechanism of action. *British Journal of Pharmacology* 2010;161:384-92.
6. Tomić MA, Vučković SM, Stepanović-Petrović RM, Ugrešić ND, Prostran MS, Bošković B. Synergistic interactions between paracetamol and oxcarbazepine in somatic and visceral pain models in rodents. *Anesthesia and Analgesia* 2010;110:1198-205.
7. Tomić MA, Vučković SM, Stepanović-Petrović RM, Micov A, Ugrešić N, Prostran MS, Bošković B. Analysis of the antinociceptive interactions in two-drug combinations of gabapentin, oxcarbazepine and amitriptyline in streptozotocin-induced diabetic mice. *European Journal of Pharmacology* 2010;628:75-82.
8. Tomić MA, Vučković SM, Stepanović-Petrović RM, Ugrešić ND, Paranos SLj, Prostran MS, Bošković B. The involvement of peripheral alpha2-adrenoceptors in the antihyperalgesic effect of oxcarbazepine in a rat model of inflammatory pain. *Anesthesia and Analgesia* 2007;105:1474-81.
9. Vučković SM, Tomić MA, Stepanović-Petrović RM, Ugrešić N, Prostran MS, Bošković B. The effects of alpha2-adrenoceptor agents on anti-hyperalgesic effects of carbamazepine and oxcarbazepine in a rat model of inflammatory pain. *Pain* 2006;125:10-9.
10. Tomić MA, Vučković SM, Stepanović-Petrović RM, Ugrešić ND, Prostran MS, Bošković B. The anti-hyperalgesic effects of carbamazepine and oxcarbazepine are attenuated by treatment with adenosine receptor antagonists. *Pain* 2004;111:253-60.