

## BRANISLAVA MILJKOVIĆ

### Employment Information:

- 2007. Professor  
Department of Pharmacokinetics and Clinical Pharmacy, Faculty of Pharmacy, University of Belgrade
- 2002. Associate professor  
Chair of Pharmacokinetics, Faculty of Pharmacy, University of Belgrade
- 1996. Assistant professor  
Chair of Pharmacokinetics, Faculty of Pharmacy, University of Belgrade
- 1989. Assistant  
Chair of Pharmacokinetics, Faculty of Pharmacy, University of Belgrade
- 1986. Teaching assistant  
Chair of Pharmacokinetics, Faculty of Pharmacy, University of Belgrade
- 1985. Associate  
Chair of Pharmacokinetics, Faculty of Pharmacy, University of Belgrade

### Education:

- March 2002-September 2003.  
Postgraduate studies in Clinical Pharmacy, Robert Gordon University, Aberdeen, Scotland
- 1994. PhD sc  
PhD dissertation: „*Pharmacokinetics of amitriptyline, fluvoxamine and lithium in mono- and co-therapy in depressed patients*“, mentor: prof. dr Milena Pokrajac, Faculty of Pharmacy, University of Belgrade.
- 1989. MSc sc  
MSc thesis: „*Clinical Pharmacokinetics of valproic acid in adult patients with epilepsy*“, mentor: prof. dr Milena Pokrajac, Faculty of Pharmacy, University of Belgrade
- 1985. MPharm  
Faculty of Pharmacy, University of Belgrade
- 1981. Primary school and grammar school in Belgrade

## **Training:**

- 2004. Evidence Based Medicine and its application to drug utilisation, Vienna School of Clinical Research
- 2004. Health outcomes research and pharmacoeconomics, Vienna School of Clinical Research
- 2004. Drug Pricing and Reimbursement Policy, Vienna School of Clinical Research
- 2003. Pharmacoeconomy, Euro Health Group Consultants (EU-funded project managed by the European Agency for Reconstruction)
- 2003. Good clinical trial practice and inspection, Euro Health Group Consultants (EU-funded project managed by the European Agency for Reconstruction)
- 2003. Pharmacovigilance, Euro Health Group Consultants (EU-funded project managed by the European Agency for Reconstruction)

### *Study courses abroad*

- 2002. Institute of Pharmacy, University of Bonn, Germany (DAAD Scholarship)
- 1990. Department of Pharmacology and Center for Human Drug Research, Center for Bio-Pharmaceutical Sciences, University of Leiden, Leiden, The Netherlands (Ministry of Science of the Republic of Serbia Scholarship)

## **Academic awards and distinctions:**

- 2007. Acknowledgement of Pharmaceutical Chamber of Serbia for loyalty to pharmaceutical profession
- 1996. Annual award of the European College of Neuropsychopharmacology (ECNP) for her contribution to the field of pharmacotherapy of psychiatric disorders
- 1995. "ICN Galenika" Award for PhD dissertation in the field of medicine
- 1991. "ICN Galenika" Award for MSc thesis in the field of medicine

## **Teaching activities:**

### *Integrated academic studies*

- *Subjects:* Pharmacokinetics, Selected Chapters in Clinical Pharmacokinetics and Clinical Pharmacy
- *Final diploma exam*

Mentor for final diploma exams (over 50) and member of committees for final diploma exams (over 30).

*Postgraduate studies*

*Specialization*

- Head of the academic specialization *Pharmaceutical Care* and medical specialization *Clinical Pharmacy*; member of committees for the defence of more than 100 specialist's exams in *Pharmacoeconomy and Pharmaceutical legislation* and more than 15 in the field of *Pharmaceutical management and marketing*.

- *Subjects:*

Within the specialization in *Pharmaceutical Care* and *Clinical Pharmacy*:

Pharmaceutical Care in the treatment of gastrointestinal and musculoskeletal disorders,

Pharmaceutical Care in the treatment of central nervous system disorders,

Pharmaceutical Care in the treatment of endocrine disorders,

Pharmaceutical Care in the treatment of cardiovascular disorders,

Pharmacoepidemiology and pharmacoeconomy; critical assessment of the results of published research; assessing the quality of pharmaceutical care,

Pharmaceutical Care in the treatment of respiratory, infectious and skin disorders,

Characteristics of Pharmaceutical Care for children, pregnant women, nursing mothers, elderly, patients with renal and/or hepatic impairment,

Implementation of Pharmaceutical Care in primary health care,

Implementation of Pharmaceutical Care in secondary health care,

Communication skills, adherence, interactions and adverse drug reactions; investigations of Pharmaceutical Care,

Development of a plan of Pharmaceutical Care; interpreting laboratory parameters; drug information sources.

Within the specialization in *Batch release*: Preclinical and clinical trials.

Within the specialization in *Biological medicines*: Biotechnology drugs.

- *PhD studies in Pharmacokinetics and Clinical Pharmacy*

- *Subjects:*

Pharmacokinetics,

Selected Chapters of Clinical Pharmacy,

Pharmacokinetics and metabolism in the drug development and application,

Planning a pharmacokinetic study,

Assessing medication adherence, efficacy and safety,

Methodology in the research of Clinical Pharmacy,

Methodology in pharmacokinetic studies and methodological aspects of data modelling,

Clinical trials planning in the research of Clinical Pharmacy,

Variability in drug pharmacokinetics,

Drug interactions and adverse drug reactions,

Pharmacokinetics of biological medicines,  
Drug analysis for pharmacokinetic studies.

- *MSc and PhD theses*

Member of committees for 1 MSc thesis in the field of Pharmacokinetics and co-mentor of 3 MSc theses in the field of Clinical Pharmacy. Mentor of 3 PhD dissertations in Pharmacokinetics.

**Activities within the Faculty:**

- 2006-  
Member of Commission for postgraduate specialization studies
- 2006-2013 President of the Commission for improving the quality of teaching
- 2006-2013 Member of Commission for postgraduate PhD studies
- 2006-2012 Member of the Program Council of the Centre for Continuing Education
- 2004-2006 Vice-dean for Education
- 2005-2006 President of the Working Group for drafting the document for student internship
- 2003-2004 President of the Working Group for drafting *Syllabus*

**Activities within wider Academic Community:**

- 2015-  
Member of the Scientific Committee of the European Association of Hospital Pharmacists
- 2013-  
Member of the Ethics Committee of the Republic of Serbia
- 2012-  
Member of the Expert Committee of the Pharmaceutical Chamber of Serbia
- 2010-  
Member of the Court of Honour Level II of the Pharmaceutical Chamber of Serbia
- 2008-  
Member of the Professional Commission of Pharmaceutical Association of Serbia
- 2005-2015. Member of Committee for releasing drugs for human use on market
- 2004-2005. Member of Commission for Pharmacoeconomic on the Health Insurance Fund
- 2002-2010. Member of the National Expert Commission on Pharmacy
- 2001-2002. Member of the Federal Commission for the registration of medicines
- 2002-2004. Member of the Council of the University of Belgrade

- 2002-2010. Member of the Foundation Board *Djoko Vljakovic*, University of Belgrade
- Member of Pharmaceutical Association of Serbia (SFUS)

### **Projects:**

Projects financed by Ministry of Education, Science and Technological Development of the Republic of Serbia:

- 2011-2014. *Experimental and clinical pharmacological investigations of mechanisms of drug action and interactions in nervous and cardiovascular system*
- 2002-2010. *Experimental and clinical pharmacological investigations of mechanisms of drug action and interactions in nervous and cardiovascular system*
- 2000-2002. *Investigation of the clinical pharmacokinetics and drug metabolism in order to rationalize the drug treatment*
- 1991-2000. *Investigation of the clinical pharmacokinetics and drug metabolism*
- 1982- 1990. *Qualitative and quantitative investigation of pharmacokinetics and drug metabolism in vitro and in vivo*

### **Publications:**

1. Vezmar Kovačević S, Miljković B, Vučićević K, Čulafić M, Kovačević M, Golubović B, Jovanović M, de Gier JJ. Elderly polypharmacy patients' needs and concerns regarding medication assessed using the Structured Patient-Pharmacist Consultation Model. *Pat Educ Couns*. 2017. <https://doi.org/10.1016/j.pec.2017.05.001> [In press]
2. Kovačević SV, Miljković B, Čulafić M, Kovačević M, Golubović B, Jovanović M, Vučićević K, de Gier JJ. Evaluation of drug-related problems in older polypharmacy primary care patients. *J Eval Clin Pract*. 2017. doi: 10.1111/jep.12737. [Epub ahead of print]
3. Radojčić MR, El Marroun H, Miljković B, Stricker BHC, Jaddoe VWV, Verhulst FC, White T, Tiemeier H. Prenatal exposure to anxiolytic and hypnotic medication in relation to behavioral problems in childhood: A population-based cohort study. *Neurotoxicol Teratol*. 2017 May;61:58-65. doi: 10.1016/j.ntt.2017.02.005. Epub 2017 Mar 1.
4. Bajraktarevic A, Mehmedagic A, Vucicevic K, Kulic M, Miljkovic B. The Posology and Trough Concentrations of Digoxin in Adult and Elderly Patients. *Acta Pol Pharm*. 2016;73(5):1361-8.
5. Golubovic B, Prostran M, Miljkovic B, Vucicevic K, Radivojevic D, Grabnar I. Population Pharmacokinetic Approach of Immunosuppressive Therapy in Kidney Transplant Patients. *Curr Med Chem*. 2016;23(19):1998-2011.

6. Ilić V, Bogičević D, Miljković B, Ješić M, Kovačević M, Prostran M, Vezmar Kovačević S. Duration of valproic acid monotherapy correlates with subclinical thyroid dysfunction in children with epilepsy. *Epileptic Disord* 2016;18(2):181-6.
7. Vučićević K, Jovanović M, Golubović B, Kovačević SV, Miljković B, Martinović Z, Prostran M. Nonlinear mixed effects modelling approach in investigating phenobarbital pharmacokinetic interactions in epileptic patients. *Eur J Clin Pharmacol.* 2015;71(2):183-90.
8. Jovanović M, Sokić D, Grabnar I, Vovk T, Prostran M, Erić S, Kuzmanovski I, Vučićević K, Miljković B. Application of Counter-propagation Artificial Neural Networks in Prediction of Topiramate Concentration in Patients with Epilepsy. *J Pharm Pharm Sci.* 2015;18(5):856-62.
9. Jančić-Stojanović B, Vemić S, Elezović V, Petrović A, Sinadinović Z, Ivanović D, Damjanović S, Miljković B. Development of New Liquid Chromatographic Method for Mitotane and Its Metabolites Determination in Human Plasma Employing Design of Experiments Methodology. *J Liq Chromatogr R T,* 2015;38(14):1371-8.
10. Vezmar Kovačević S, Simišić M, Stojkov Rudinski S, Čulafić M, Vučićević K, Prostran M, Miljković B. Potentially inappropriate prescribing in older primary care patients. *PLoS One* 2014;9(4):e95536.