

BILJANA ANTONIJEVIĆ

Employment Information:

- 2012 – present Full Professor
- 2007-2012 Associate Professor
- 2002-2007 Assistant Professor
- 1995-2001 Assistant
- 1988-1994 Assistant Trainee

Education:

- 2020 Specialist of Toxicological Chemistry, University of Belgrade – Faculty of Pharmacy
- 2013 Specialist of Pharmacy, Specialist academic studies – Toxicological Risk Assessment, University of Belgrade – Faculty of Pharmacy
- 2001 Ph.D. University of Belgrade – Faculty of Pharmacy
- 1994 M.Sc. University of Belgrade – Faculty of Pharmacy
- 1987 Pharm.B. University of Belgrade – Faculty of Pharmacy

Training:

- 2019 „Safety Evaluation of Cosmetics”, Technical Assistance and Information Exchange, (TAIEX), Ministry of Health, Chamber of Commerce, Belgrade, Serbia
- 2019 „Borderline of Cosmetics from other products”, Technical Assistance and Information Exchange, (TAIEX) Ministry of Health, Chamber of Commerce, Belgrade, Serbia
- 2018 “Health-based limits for Toxicological Risk Assessment: Setting acceptable daily limits for pharmaceutical and chemical safety”, 10th Congress of Toxicology in Developing Countries and 12th Congress of the Serbian Society of Toxicology, Belgrade, Serbia
- 2018 “Carcinogenicity Studies: Perspectives on Design and Execution for Successful Product Registration”, 10th Congress of Toxicology in Developing Countries and 12th Congress of the Serbian Society of Toxicology, Belgrade, Serbia
- 2017 Training event on Setting Health-based Guidance Values, WHO Chemical Risk Assessment Network, EFSA, Parma, Italy
- 2017 „Biocides hazard assessment“, „Biocides exposure assessment“, „Biocides risk assessment“, Ministry of Environmental Protection, R. Serbia

- 2017 (SR/13/IB/AG/02), Mammals Toxicology, Toxicological Risk Assessment and Technical Equivalency of Plant Protection Products, Ministry of agriculture, forestry and water management, R. Serbia
- 2016 Erasmus plus, 561586-EPP-1-2015-RS-EPPKA2-CBHE-JP, Enhancement of HE research potential contributing to further growth of the WB region, Supervision training for supervisors and students and Approaches to development for early career researchers Coventry University, UK
- 2015 Specialized Toxicology Course “Genotoxicity and Carcinogenicity”, Serbian Society of Toxicology under the auspices of EUROTOX, Belgrade, Serbia
- 2014 Accreditation of Pharmacy Education, Near East University, Faculty of Pharmacy, Nicosia, Cyprus 2013 EFSA Training on Chemical Risk Assessment, Albania
- 2012 Specialist training on Human Health Assessments of Pesticides, Ministry of agriculture, forestry and water management R. Serbia
- 2011 Risk Assessment – mammalian toxicology and operator exposure, Ministry of agriculture, forestry and water management R. Serbia
- 2010 Dietary Exposure Assessment: Concentration and consumption databases and probabilistic modelling, RIVM, Bilthoven, The Netherlands
- 2009 CLP Education in Serbia, Swedish Chemical Agency – KEMI
- 2008 New EU Legislation, Chemical Management, REACH, Ministry of Environmental Protection and Spatial Planning, R. Serbia
- 2005 Promotion of the Three Rs (Reduction, Refinement, Replacement) Concept in Relation to Animal Experimentation in Croatia, Turkey and Western Balkan Countries, European Commission, Joint Research Centre
- 2005 Consequences of Pesticides for Immunologic Health, Eurofit, Maastricht University, The Netherlands
- 2005 Probabilistic risk assessment: Current developments and applications for environmental assessment and management, University of East Lansing, Michigan, USA
- 2004-2005 Postdoctoral study, Department of Public Health, Ghent University, (Combined risk characterisation for contaminants present in marine food products, PODO II project Integrated evaluation of marine food products: nutritional value, safety & consumer acceptance, CP-02-56, Belgian Federal Science Policy Office

Teaching activities:

- Integrated academic studies: Toxicology and analytics, Clinico-toxicological analysis, Human health risk assessment, Ecotoxicology, Acute drug poisonings and analytics, University of Belgrade – Faculty of Pharmacy
- Integrated academic studies: Toxicology, Faculty of Medicine, University of Banja Luka
- Integrated academic studies: Toxicology and analytics, Faculty of Pharmacy, University of Tuzla
- Specialist academic studies – Toxicological risk assessment, University of Belgrade – Faculty of Pharmacy
- Specialist studies required by the healthcare system: Toxicological Chemistry, Sanitary Chemistry, Drug Testing and Control, University of Belgrade – Faculty of Pharmacy
- Doctoral academic studies Pharmacy, Toxicology, University of Belgrade – Faculty of Pharmacy
- Doctoral academic studies, Toxicokinetics, University of Belgrade – Faculty of Medicine

Textbooks:

- Biljana Antonijević, Danijela Đukić-Ćosić, Marijana Ćurčić, Evica Antonijević, Aleksandra Buha Đorđević i Zorica Bulat. Praktikum iz opšte toksikologije, Univerzitet u Beogradu – Farmaceutski fakultet, 2020. ISBN: 978-86-6273-067-1
- Antonijević B, Ćurčić M. Toksikološka procena rizika, Univerzitet u Beogradu – Farmaceutski fakultet, Beograd, 2012. ISBN: 978-86-8026389-2.
- Matović V, Đukić M, Antonijević B, Vujanović D. Praktikum iz toksikološke hemije. 1. izdanje, Farmaceutski fakultet, Beograd, 2005. ISBN: 86-80263-37-0,
- Matović V, Đukić M, Antonijević B. Praktikum iz kliničko-toksikoloških analiza. 1. izdanje, Farmaceutski fakultet, Beograd, 2005. ISBN: 86-80263-38-9,

Activities within the Faculty:

- 2021-present Chair of the Commission for postgraduate studies – doctoral studies
- 2018-present Head of the Department of Toxicology „Akademik Danilo Soldatović”
- 2018-present Member Commission for postgraduate studies – doctoral studies
- 2013-present Director of the Toxicological Risk Assessment Center
- 2013-present Member of the Commission for postgraduate studies – specialist studies
- 2012-2018 Director of the Center for Continuing Education

- 2012-2018 Vice Dean for postgraduate studies and continuing education
- 2011-2012 Member of Council of the Faculty
- 2010-2013 Chair of the Commission for chemicals and biomaterials

Activities within wider Academic Community:

- 2021 „Strengthening of national capacities for assessment of chemicals risks to guide risk reduction decision” Institute of Public Health R. Serbia Dr Milan Jovanović Batut
- 2021 „Development of the National road map for enhancing health sector engagement/contribution to sound management of chemicals in Serbia till 2030” Institute of Public Health R. Serbia Dr Milan Jovanović Batut
- 2020-present Section Editor, Drug and Chemical Toxicology
- 2017-present Focal point, WHO Chemicals Risk Assessment Network
- 2017-present Editorial board, Archives of Industrial Hygiene and Toxicology
- 2015-present Safety evaluation of pesticides, cosmetics, food and feed additives, and industrial chemicals, Ministry of Health, R. Serbia
- 2015-2019 DDT Expert group, UNEP
- 2014-present expert for Evaluation of impurities in medicines and risk assessment, Medicines and Medical Devices Agency of Serbia
- 2014 Negotiating group 6, subgroup 6-Plant protection products, Ministry of agriculture, forestry and water management, R. Serbia
- 2012-2013 Chair of the Working group for Toxicology, Advisory board for Plant Protection products, Ministry of agriculture, forestry and water management, R. Serbia
- 2010-2011 Chair of the Commission for biocides, Serbian Chemicals Agency
- 2010-2011 Commission for biocides, Ministry of Health, R. Srpska
- 2008 Steering Committee for SAICM Project of R. Serbia
- 2008 Working group for writing the Rule book on Testing methods on hazardous properties of chemicals hazards, Chemicals agency, R. Serbia
- 2008 Working group for writing the Rule book on Classification, Packaging, Labelling and Announcing of chemicals in line with GHS UN, Chemicals Agency, R. Serbia
- 2007 Working group for the development of Action plan for monitoring, contaminated areas and development within POPs project Ministry of Environmental Protection and Spatial Planing, R. Serbia
- 2007-2011 Project Coordination team “Risk Management of Chemicals in Serbia”, Ministry of Environmental Protection and Spatial Planning, R. Serbia

- 2006-2007 Project “Development of NIP for Stockholm Convention on Persistent Organic Pollutants (POPs)” (GF/2732-03-4652), Ministry of Environmental Protection and Spatial Planning, R. Serbia, project task “POPs human toxicology
- 2006-2013 Commission for poisons, Ministry of Health, R. Srpska
- 2002-present Steering Committee member Serbian Society of Toxicology
- 2001-2009 Commission for poisons, Ministry of Environmental Protection and Spatial Planning, R. Serbia

Projects:

- 2021 COST akcija “Bench to bedside transition for pharmacological regulation of NRF2 in noncommunicable diseases” (BenBedPhar)
- 2021-2023 Increasing the efficacy of cancer immunotherapy by combining CAR-T cells or PD-1/PD-L1 inhibitors with immunomodulators, PRChina
- 2019 Health risk assessment in the municipality of Pljevlja based on human biomonitoring data, Montenegro
- 2016-2018 Bilateral project with Republic of Croatia „Risk assessment of food contaminants“
- 2014-2015 Bilateral project with Republic of Slovenia „Probabilistic exposure assessment to mercury via food“
- 2011-2019 „Chemical Food Contaminants“, subproject of „Improvement and development of hygiene and technology of food of animal origin aimed to assure high quality and safe products competitive on world market“, Ministry of Science and Technological Development, R. Serbia
- 2009-2010 Food safety, chemical contaminants, and integrative risk assessment, Ministry of Science and Technological Development, R. Serbia
- 2006-2008 Clinical, analytical and experimental aspects of poisonings caused by chemicals, Ministry of Science and Technological Development, R. Serbia
- 2004-2005 „Combined risk characterisation for contaminants present in marine food products“, project “Combined risk characterisation for contaminants present in marine food products”, Belgian Federal Science Policy Office
- 2001-2005 Endogenous parameters of xenobiotics exposure: analytics, monitoring, prophylaxy and therapy, Ministry of Science and Technological Development, R. Serbia
- 1996-2000 Analytics, monitoring and therapy of poisoning, Ministry of Science and Technological Development, R. Serbia
- 1991-1995 Influence of poisons on biologically active proteins, Ministry of Science and Technological Development, R. Serbia

Publications:

- Radovanović J, Antonijević B, Kolarević S, Milutinović-Smiljanić S, Mandić J, Vuković-Gačić B, Bulat Z, Čurčić M, Kračun-Kolarević M, Sunjog K, Kostić-Vuković J, Jovanović Marić J, Antonijević Miljaković E, Đukić-Ćosić D, Buha Djordjevic A, Javorac D, Baralić K, Mandinić Z. Genotoxicity of fluoride subacute exposure in rats and selenium intervention. *Chemosphere*. 2021; 266:128978
- Hernandez AF, Buha A, Constantin C, Wallace DR, Sarigiannis D, Neagu M, Antonijević B, Hayes AW, Wilks MF, Tsatsakis A. Critical assessment and integration of separate lines of evidence for risk assessment of chemical mixtures. *Arch Toxicol* 2019 Oct;93(10):2741-2757
- Sljivic Husejnovic M, Bergant M, Jankovic S, Zizek S, Smajlovic A, Softic A, Music O, Antonijević B. Assessment of Pb, Cd and Hg soil contamination and its potential to cause cytotoxic and genotoxic effects in human cell lines (CaCo-2 and HaCaT). *Environ Geochem Health* 2018; 40(4):1557-1572. <https://doi.org/10.1007/s10653-018-0071-6>
- Antonijević E, Musilek K, Kuca K, Djukic-Cosic D, Curcic M, Cupic Miladinovic D, Bulat Z, Antonijević B. Dose-response modeling of reactivating potency of oximes K027 and K203 against a direct acetylcholinesterase inhibitor in rat erythrocytes. *Food Chem Toxicol* 2018; 121:224-30.
- Antonijević E, Kotur-Stevuljevic J, Musilek K, Kosvancova A, Kuca K, Djukic-Cosic D, Spasojevic-Kalimanovska V, Antonijević B. Effect of six oximes on acutely anticholinesterase inhibitor-induced oxidative stress in rat plasma and brain. *Arch Toxicol* 2018; 92(2):745-57.
- Curcic M, Buha A, Stankovic S, Milovanovic V, Bulat Z, Đukić-Ćosić D, Antonijević E, Vučinić S, Matović V, Antonijević B. Interactions between cadmium and decabrominated diphenyl ether on blood cells count in rats—Multiple factorial regression analysis. *Toxicology* 2017; 376:120-5.
- Antonijević B, Jankovic S, Curcic M, Durgo K, Stokic E, Srdic B, Tomic-Naglic D. Risk characterization for mercury, dichlorodiphenyltrichloroethane and polychlorinated biphenyls associated with fish consumption in Serbia. *Food Chem Toxicol* 2011; 49(10): 2586-2593.
- Janković S, Čurčić M, Tatjana Radičević T, Stefanović S, Lenhardt M, Durgo K, Antonijević B. Non-dioxin-like PCBs in ten different fish species from the Danube river in Serbia. *Environ Monit Assess* 2010; 92(1–3): 211–228.
- Antonijević B, Stojiljković MP. Unequal efficacy of pyridinium oximes in acute organophosphate poisoning. *Clin Med Res* 2007; 5(1): 71-82.
- Antonijević B, Matthys C, Sioen I, Bilau M, Van Camp J, Willems J, De Henauw S. Simulated impact of a fish based shift in the population n-3 fatty acid intake on exposure to dioxins and dioxin-like compounds. *Food Chem Toxicol* 2007; 45(11): 2279-2286.