

Aleksandra Buha

Employment Information:

- 2011. Teaching and Research Assistant
Department of Toxicology “Akademik Danilo Soldatović”, University of Belgrade – Faculty of Pharmacy, University of Belgrade, Serbia
- 2009. Teaching Associate
Department of Toxicology “Akademik Danilo Soldatović”, University of Belgrade – Faculty of Pharmacy, Serbia

Education:

- 2014. Specialist in Pharmacy
Postgraduate Academic Specialization in Toxicological Risk Assessment for Environmental Pollutants, University of Belgrade – Faculty of Pharmacy, Serbia
- 2009 –in progress
PhD studies in Toxicology, University of Belgrade – Faculty of Pharmacy, Serbia
- 2009. M. Pharm.
University of Belgrade – Faculty of Pharmacy, Serbia
- 2003. Grammar school (V Belgrade Gymnasium)

Training:

- 2014 “In Silico ADME and Predictive Toxicology”, Faculty of Pharmacy, University of Copenhagen, Denmark
- 2014 “New Horizons in Pharmacy Profession”, VI Serbian Congress of Pharmacy, Belgrade, Serbia
- 2013 “Identification and assessment of reproductive toxicity and endocrine disruption”, IMM, Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden
- 2013 “Training seminar on EU funding in research & innovation”, EUROPLAN UK
- 2012 „Inspiring Teachers: learning and leading in academic practice“, University of Greenwich, London, UK
- 2012 „Environmental Security Assessment and Management of Obsolete Pesticides in Southeast Europe“ NATO Science for Peace and Security Advanced Study Institute, Varna, Bulgaria
- 2012 „Principles of Good Laboratory Practice and Laboratory Animals Sciences“, University of Belgrade-School of Medicine, Belgrade, Serbia
- 2011 „EUROTOX Advanced Toxicology course“, Turkish Society of Toxicology under the auspices of EUROTOX, Kusadasi, Turkey
- 2011 E-learning Summer School 2011, University of Greenwich, London, UK
- 2011 “EUROTOX Basic Toxicology course”, Serbian Society of Toxicology under the auspices of EUROTOX, Belgrade, Serbia

Academic awards and distinctions:

- 2014. First award for poster presentation in session “Pollutants in us and our environment”, VI Serbian Congress of Pharmacy, Belgrade, Serbia
- 2013. Scholarship for Young Scientists (EUROTOX 2013)
- 2012. Award for the best young scientists poster presentation (CROTOX 2012)
- 2012. NATO Science for Peace and Security Advanced Study Institute Scholarship
- 2006-2009. Scholarship of the Foundation for Support of Young Scientists and Artists
- 2005-2006. Scholarship of the City of Belgrade for talented students
- 2004-2005. Scholarship of the Ministry of Education of Republic of Serbia

Teaching activities:

Integrated academic studies (undergraduate):

- Preparation and implementation of practical classes in the subjects Toxicology, Human Health Risk Assessment, Acute Drug Poisoning, Clinical Toxicology with Analytics, Ecotoxicology, Free Radicals and Antioxidants-Laboratory Analyses, Substances of Abuse
- Specialistic Academic Studies in Toxicological Risk Assessment for Environmental Pollutants*

(postgraduate):

- Preparation and implementation of practical classes in all subjects of the study program

Projects:

- 2011 - “Improving and developing hygienic and technological procedures in producing food of animal origin aimed at obtaining good quality and safe products competitive on the global market”, sub-project “Chemical contaminants of food” funded by Ministry of Science and Technological Development, Belgrade, Republic of Serbia

Publications:

- Buha A, Antonijević B, Milovanović V, Janković S, Bulat Z, Matović V. Polychlorinated biphenyls as oxidative stress inducers in liver of subacutely exposed rats: Implication for dose-dependence toxicity and benchmark dose concept. *Environ Res.* 2015, 136: 309-17.
- Buha A, Milovanović V, Antonijević B, Bulat Z, Matović V. (2013) Relative Liver Weight in Rats Subacutely Exposed to Polychlorinated Biphenyls In Environmental Security Assessment and Management of Obsolete Pesticides in Southeast Europe Simeonov, Lubomir I.; Macaev, Fliur Z.; Simeonova, Biana G. (Eds.), 287-294, Springer Netherlands.
- Buha A, Vaseashta A, Bulat Z, Matovic V. (2013) Carboxyhemoglobin in Blood of Smokers and Non-smokers Determined by Gas Chromatography with Thermal Conductivity Detector In Advanced Sensors for Safety and Security, Vaseashta, Ashok; Khudaverdyan, Surik (Eds.), 161-168, Springer Netherlands.
- Matović V, Đukić-Ćosić D, Buha A, Bulat Z. (2013) Route, Dose and Duration of Exposure to Cadmium-Relevanceto Oxidative Stress Induction In Peroxidases, Bogaert Lucas and Coppens Noah (Eds.), 161-175, Nova Science Publisher, USA.
- Buha A, Antonijević B, Bulat Z, Jačević V, Milovanović V, Matović V. The impact of prolonged cadmium exposure and co-exposure with polychlorinated biphenyls on thyroid function in rats. *Toxicol Lett* 2013, 221: 83-90.

- Buha A, Bulat Z, Đukić-Ćosić D, Matović V. Effects of Oral and Intraperitoneal Magnesium Treatment against Cadmium-Induced Oxidative Stress in Plasma of Rats. *Arh Hig Rada Toksikol* 2012, 63: 247-54.
- Matović, V, Buha A, Bulat Z, Đukić-Ćosić D, Miljković M, Ivanišević J, Kotur-Stevuljević J. Route-dependent effects of cadmium/cadmium and magnesium acute treatment on parameters of oxidative stress in rat liver. *Food Chem Toxicol* 2012, 50: 552-7.
- Bulat Z, Đukić-Ćosić D, Antonijević B, Bulat P, Vujanović D, Buha A, Matović V. Effect of magnesium supplementation on the distribution patterns of zinc, copper and magnesium in rabbits exposed to prolonged cadmium intoxication. *ScientificWorld Journal* 2012, 9 pages, doi:10.1100/2012/572514
- Matović V, Buha A, Bulat Z, Đukić-Ćosić D. Cadmium toxicity revisited: Focus on oxidative stress induction and interactions with zinc and magnesium. *Arh Hig Rada Toksikol* 2011, 62:65-76.