

Associate professor Dr. Dragana Vujanovich

#### Curriculum vitae

Enrolled in the Pharmaceutical faculty in Belgrade in the year 1980/1981. Graduated in 1985 with a GPA of 9,16. Employed by the Institute of Toxicology with analytic since October 1985. Promoted to assistant probationer in April 1987, later in 1993 promoted to assistant. Advanced to the position of docent in 1999, after which to the rank of associate professor in 2004. Relected as a associate professor on the 24th of December 2009.

Became a specialist in toxicological chemistry in 2010.

#### Teaching activities:

Dr sci. Pharm. Dragana Vujanovich teaches undergraduate and postgraduate subjects (Toxicology with analytic and Clinical – toxicological analysis) at the Pharmaceutical faculty in Belgrade. Since 1999 she has been teaching theoretical lessons at the Department of Toxicology *Danilo Soldatovich*. She teaches the optional course at the faculty – ecotoxicology. She was a teacher at the Medical faculty (department of pharmacy) in Banja Luka as well as the Natural sciences faculty (department of chemistry), Banja Luka. She also participates in PhD programs at the Faculty of Dentistry in Belgrade, and at the Natural Sciences faculty, university of Novi Sad. She mentored 45 graduate thesis in toxicological chemistry and ecotoxicology, and she was a committee member in three doctoral degree wins and one masters win.

Coauthored the textbook “The Basis in Enviromental protection and improvement” at the Natural Sciences faculty, university in Prishtina which is stationed in Kosovska Mitrovica (third revised edition). Coauthored “Practicum in toxicological chemistry for the profile of a graduated pharmacist and graduated pharmacist – biochemical”

Coauthored a doctoral text book at the Faculty of Dentistry called “Dental Materials 2”

#### Scientific and research work:

Won her Masters thesis called “The influence of increased quantities of magnesium and therapies concentration of calcium dinatrium EDTA on the content on zinc, copper and lead in guinea pigs” on May the 30th 1993. Won her doctoral dissertation at the Pharmaceutical faculty titled “The influence of magnesium and vitamin C in lead metabolism in guinea pigs”. She has published 82 works so far.

#### Project participation (associate):

##### Domestic projects:

- Associate on project 12MO2 “Heavy metal and bio elements interaction” (P15) – Ministry of science and technology Republic of Serbia
- Lead organizer of ecological, ecotoxicological and science research of the river Tisa in 2001 (all the way from its confluence with the Danube to the Hungarian border)
- In 2002 led another Tisa expedition to the shallowest regions of Tisa on the Ukrainian border. The participants were an interdisciplinary task force from various faculties (Chemical, Biological and Geographical – Universities of Belgrade and Novi Sad). The expedition was funded by the international committee for the tracking of the Tisa river.

- Associate in the “Ashes” project under a sub project “Evaluation of TENT influence on employee and local populations health” under the leadership of the Institute for general and physical chemistry
- Main organizer of the project “Lead pollution in Belgrade” which was led by the IHTM company for technological development and funded by the Belgrade city assembly
- Participated in founding the LTER national network in Serbia (LTER – Long Term Ecological Research)
- She was a researcher in project III 46002, organized by the Ministry of education, science and technological development of Republic Serbia
- During 2007 and 2008 she led an expert team in creating the Strategy for youth and an Action plan for the environment and children s health. Participated in the presentation of educational seminars titled “Action plan for the environment and children s health”

#### International projects:

- Associate on the project “Towards Leaded Gasoline Phase-Out in the Republic of Serbia” organized by REC Country Office Serbia (2008-2009)
- Associate on the “ALARM” project (Assessing Large scale Risks for biodiversity with testes Methods) TTC (Participant 12(66)), within the VI cycle of the EU projects framework
- Associate on the project “Energy, Environment and Poverty” lead by the “UNDP” branch office in Belgrade and funded by the World Bank
- Associates with the World Health Organization regarding environments influence on public health; she was part of an expert team tasked with the making of preparation documents from this area for the ministry conferation (2010 Fifth Ministerial Conference on Environment and health), also participated in the work of a group which created a new set of indicators to track the influence of poverty on public health (bad conditions form the environment) for the EU region

#### Research interests:

The toxicology of metals: mechanisms of toxicity (interactions of metals and bio elements in vivo), the possibility of treatment and prevention of heavy metal intoxication.

Analysis of problems related to the manifestation of metal toxicity in the environment (especially pollinators). Analysis of the thermo energetic sector in light of environmental pollution and sustainable development (evaluate the condition, asses environmental influence as well as public health)

#### Awards:

- The Humbolt award for publishing the results of the Tisa expedition (2001-2002)
- Ford award (Conservation and Environmental Grants “Energy – environment, poverty”)

Know languages: English

Selected publications:

- Vujanovic Dragana, Lack of home heating by education and household composition (Serbia and Montenegro), in: Environmental health inequalities in Europe. WHO Regional Office for Europe: Assessment report. World Health Organization, 2012, ISBN 978 92 890 0260 8 (<http://www.euro.who.int/en/what-we-publish/abstracts/environmental-health-inequalities-in-europe.-assessment-report>) – 142.
- Vujanovic Dragana, Assessing and reporting on environmental health inequalities related to lack of heated space and indoor pollution in Serbia and Montenegro, in: Environmental health inequalities in Europe. WHO Regional Office for Europe: Assessment report. World Health Organisation, 2012, ISBN 978 92 890 0260 8 (<http://www.euro.who.int/en/what-we-publish/abstracts/environmental-health-inequalities-in-europe.-assessment-report>) – 164-167.
- Bulat Zorica, [Đukić-Ćosić](#) Danijela, [Antonijević](#) Biljana, [Bulat](#) Petar, [Vujanović](#) Dragana, [Buha](#) Aleksandra, [Matović](#) Vesna, Effect of magnesium supplementation on the distribution patterns of zinc, copper, and magnesium in rabbits exposed to prolonged cadmium intoxication. The Scientific World Journal, 2012, doi: 10.1100/2012/572514.
- “Stuck in the Past, Energy, Environment and Poverty, Serbia and Montenegro”, UNDP, Belgrade, 2004. ISBN No 86-905231-0-3
- Soldatović D., Matović V., Vujanović D., Gujet-Bara M., Durlach J. Metal pollutants and bio elements: retrospective of interactions between magnesium and toxic metals. Magnesium Research, 2002; 15(1-2):67-72.
- Todorović, T., Vujanović, D., (2002): The influence of magnesium on the activity of some enzymes in condition of sub chronic lead poisoning. In: Magnesium Research. 15,3/4, 173 –177.
- Soldatović D., Matović V., Vujanović D. Prophylactic effect of high magnesium intake in rabbits exposed to prolonged lead intoxication. Magnesium Research 1993; 6:145-8.
- Soldatović D, Vujanović D, Matović V, Plamenac Z. Compared effects of high oral Mg supplements and of EDTA chelating agent on chronic lead intoxication in rabbits. Magnesium Research 1997; 10 (2):127-33.
- Soldatović D, Matović V, Vujanović D, Stojanović Z. Contribution to interaction between magnesium and toxic metals: the effect of prolonged cadmium intoxication on magnesium metabolism in rabbits. Magnesium Research 1998; 11,4 283-8.

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