



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Biljana Balabanova**
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E-mail biljana.balabanova@ugd.edu.mk
Nationality Macedonian
Date of birth 08.11. 1982
Gender Female

Work experience

Dates 2007 – up to date
Occupation or position held Teaching assistant
Main activities and responsibilities **Teaching educational activities** - Maintenance of laboratory exercises for subjects in the area of Chemistry (general and inorganic, organic chemistry and ekotoksikologija).
Research activity - Chemical analyst at Laboratory of Plant Protection and Environment, Department of Environmental Research - in the field of environmental chemistry (use of inductively coupled plasma mass spectrometry as an analytical technique).
Name and address of employer University of Goce Delchev – Shtip, Faculty of Agriculture
Type of business or sector State institution
Dates April 2006 – March 2007
Occupation or position held Volunteer
Main activities and responsibilities Making hematologic examination;
Making a complete biochemical examination of the blood (metabolic products, electrolyte balance, hepatic products, acid-base, enzyme, protein, lipid and hormonal status, tumor markers);
Making a complete examination of human urine.
Name and address of employer Biochemical Laboratory at General Hospital – Stip, The republic of Macedonia
Type of business or sector State institution
Dates September 2005-April 2006
Occupation or position held Volunteer
Main activities and responsibilities Neonatal screening for TSH, determination of TSH screening using analysis method DELFI-AR
Name and address of employer Department of Endocrinology and Genetics
Clinic for Children's Diseases, Skopje, The Republic of Macedonia
Type of business or sector State institution

Education and training

Dates 25-27 January 2012
Title of qualification awarded Certification
Principal subjects/occupational skills covered Association of the Units of Local Self-Government of the R. Macedonia, ZELS Training topic: "Using local resources for sustainable micro-regional development in agribusiness and tourism in the southern Balkans" under project 159143-TEMPUS-1-2009-1-HU-TEMPUS-JCPR

Name and type of organisation providing education and training	University of Goce Delchev – Shtip, Faculty of Agriculture
Level in national or international classification	
Dates	April 2011- up to date
Title of qualification awarded	-
Principal subjects/occupational skills covered	Making doctoral dissertation, Department of Physical Chemistry (application of atomic absorption and emission spectrometry) - Specialization: Environmental Chemistry
Name and type of organisation providing education and training	Institute of Chemistry, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius, Skopje, Macedonia
Level in national or international classification	-
Dates	January 2008- June 2010
Title of qualification awarded	Master of science in Chemistry
Principal subjects/occupational skills covered	Application of Atomic Absorption (Flame and Graphite) and atomic emission spectrometry (ICP) method
Name and type of organisation providing education and training	Institute of Chemistry, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius, Skopje, Macedonia
Level in national or international classification	-
Dates	March 2009
Title of qualification awarded	-
Principal subjects/occupational skills covered	Training emission atomic spectrometry with inductively coupled plasma mass detector (ICP-MS Element 2, Thermo Finnigan)
Name and type of organisation providing education and training	Laboratory for Physical Chemistry of the traces at the Institute for Sea Research and Environment Institute "Ruđer Bošković", Zagreb, Croatia
Level in national or international classification	-
Dates	November 2009
Title of qualification awarded	Certification for operating with ICP-MS (model 7700 Agilent)
Principal subjects/occupational skills covered	Installation and training for the operation of the ICP-MS (model Agilent)
Name and type of organisation providing education and training	Farmahem
Level in national or international classification	-
Dates	2001-2006
Title of qualification awarded	Graduate biologist
Principal subjects/occupational skills covered	Biochemistry graduate engineer
Name and type of organisation providing education and training	Institute of Biology, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius, Skopje, Macedonia
Level in national or international classification	-

Personal skills and competences

Mother tongue(s) **Macedonian**

Other language(s) **English**

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Communication skills, a high degree of creativity, professional and moral responsibility, ambition, flexibility and of course the desire for professional development and training

Organisational skills and competences

High organizational skills, ability to work in a team, ability to perform multiple tasks in parallel

Computer skills and competences

Windows VISTA, Office 2007, Corel 9, Internet

Driver license

B license

Additional information's

Published papers

1. **Balabanova, B.**, Stafilov, T., Šajin, R., Bačeva, K, 2013, Spatial Distribution and Characterization of Some Toxic Metals and Lithogenic Elements in Topsoil and Subsoil from Copper Mine Environs, *International Journal of Environmental Protection* (in press).
2. **Balabanova, B.**, Stafilov, T., Šajin, R., Bačeva, K, 2013: Comparison of response of moss, lichens and attic dust to geology and atmospheric pollution from copper mine, *International journal of Environmental Science and Technology* DOI:10.1007/s13762-013-0262-8. **IF-3.05**
3. **Balabanova, B.**, Stafilov, T., Šajin, R., Bačeva, K. 2012: Characterisation of Heavy Metals in Lichen Species *Hypogymnia physodes* and *Evernia prunastri* due to Biomonitoring of Air Pollution in the Vicinity of Copper Mine, *International Journal of Environmental Research* **6** (3): 779-794. **IF-1.48**
4. **Balabanova, B.**, Stafilov, T., Šajin, R., Bačeva, K. 2012: Total Deposited Dust as a Reflection of Heavy Metals Distribution in area with Intensively Exploited Copper Minerals, *Geologica Macedonica*, **25** (1): 1-9.
5. **Balabanova B.**, Stafilov T., Šajin R Bačeva K. 2011: Distribution of chemical elements in attic dust as reflection of their geogenic and anthropogenic sources in the vicinity of the copper mine and flotation plant, *Archives of Environmental Contamination and Toxicology*, **61**(2), 173-184. DOI: 10.1007/s00244-010-9603-5. **IF-1.98**
6. **Balabanova B.**, Stafilov T., Bačeva K., Šajin R. 2010: Biomonitoring of atmospheric pollution with heavy metals in the copper mine vicinity located near Radoviš, Republic of Macedonia, *Journal of environmental science and health*, **12**, 1504-1518. **IF-1.36**
7. **Balabanova B.**, Stafilov T., Bačeva K., Šajin R. 2009: Atmospheric pollution with copper around copper mine and flotation, Bučim, Republic of Macedonia, using biomonitoring moss and lichen technique, *Geologica Macedonica*, **23**, 35-41.
8. Kuzelov A. Trajchova D., Markova N.. Balabanova B. 2007: Impact of ferments collagenase on the structural-mechanical characteristics of meat cans, *Bulletin of Faculty of Agriculture*, **7**, 49-56.
9. Kuzelov A. Trajchova D., Markova N.. Balabanova B. 2006: Impact of different concentrations glukono-delta lactate on pH changes in the process of maturing raw sausages, *Bulletin of Faculty of Agriculture*, **6**, 35-40.

Presented papers

1. **Balabanova B.**, Stafilov T., Bačeva K., Šajn R., Biomonitoring atmospheric pollution with heavy metals in the cooper mine vicinity located near *Radoviš*, Republic of Macedonia, poster presentation, XXI Congress of Chemists and Technologists of Macedonia, September 23-26, 2010, Ohrid, Macedonia.
2. **Balabanova B.**, Bačeva K., Stafilov T., Šajn R., Lichen as biomonitors for atmospheric pollution with heavy metals in the cooper mine vicinity, 10th International Symposium and CEEPUS Summer School on Bioanalysis Graz, 18-28 September, 2011.
3. **Balabanova B.**, Stafilov T., Šajn R., Bačeva K., COMPARISON OF DIFFERENT SAMPLING MEDIA (MOSS, LICHENS, ATTIC DUST) FOR MONITORING AIR POLLUTION WITH HEAVY METALS IN THE VICINITY OF COPPER MINE. IX Congress of Pure and Applied Chemistry of Students from Republic of Macedonia 6-8 October, 2011.
4. **Biljana Balabanova**, Trajče Stafilov, Robert Šajn, Katerina Bačeva., MONITORING DEPOSITION OF ANTHROPOGENIC INTRODUCED ELEMENTS IN AIR. CASE STUDY: COPPER MINE ENVIRON. 2nd INTERNATIONAL WORKSHOP ON THE UNESCO-IGCP PROJECT: "ANTHROPOGENIC EFFECTS ON THE HUMAN ENVIRONMENT IN THE NEOGENE BASINS IN THE SE EUROPE" 6-7th, Zagreb – Croatia October 2011.
5. Stafilov T., **Balabanova B.**, Šajn R., Bačeva K. COMPARISON OF DIFFERENT SAMPLING MEDIA (MOSS, LICHEN, ATTIC DUST) FOR DETERMINATION OF AIR POLLUTION WITH HEAVY METALS IN THE VICINITY OF COPPER MINE, 25th Task Force Meeting & one-day ozone workshop, Brescia, Italy, 31 January – 2 February, 2012.
6. **Biljana Balabanova**, Trajče Stafilov, Katerina Bačeva, Robert Šajn, "Spatial distribution of heavy metals and some lithogenic elements in soil from copper contaminated area", XXII Congress of Chemists and Technologists of Macedonia, September 5-9, 2012, Ohrid, Macedonia. (with international participation)
7. **Biljana Balabanova**, Trajče Stafilov, Katerina Bačeva, Robert Šajn "Moss biomonitoring of air pollution with heavy metals in zinc and lead mine environ" 4th Congress of Ecologists of the Republic of Macedonia, Ohrid, Macedonia, October 12th-15th, 2012. (with international participation)

Monographs and chapters

1. T., **Balabanova, B.**, Šajn, R., Bačeva, K., Boev B., *Geochemical atlas of Radoviš and the environs and the distribution of heavy metals in air*, Faculty of Natural Science and Mathematics, Skopje, 2010.
2. T. Stafilov, R. Šajn, **B. Balabanova**, K. Bačeva, DISTRIBUTION OF HEAVY METALS IN ATTIC AND DEPOSITED DUST IN THE VICINITY OF COPPER ORE PROCESSING AND FERRONICKEL SMELTER PLANTS IN THE REPUBLIC OF MACEDONIA, in: *Dust: Sources, Environmental Concerns and Control*, Editors: Laurent B. Wouters and Michel Pauwels, Nova Science Publishers, Inc., Hauppauge, NY, 2012.

Projects

1. Young researcher - 2006-2008 Getting халлоиди culture Antero from pepper (*Capsicum annum L.*) and their involvement in the selection process. International Macedonian-Bulgarian bilateral project.
2. Member of the expert team - Drafting the "Study on sustainable development of organic farming in the East planning region" Stip, in October, 2010.

Associations

A member of the "Association of Medical Biochemists of Macedonia"