



Hungary-Serbia

IPA Cross-border Co-operation Programme



The Programme is co-financed by the European Union

Europass Curriculum Vitae

Project acronym

MATCROSS

Abbreviated name of the organization

UNSPMF

Personal information

First name(s) / Surname(s)

Valerija (Valéria) Gužvanj (Guzsvány)

Address(es)

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Nationality

Serbian

Date of birth

07/03/1975

Gender

Female

Position / role In the project

Researcher

Work experience

Dates

Assistant Professor 01.03.2007, Teaching and Research Assistant 01/2004 –02/2007, Trainee Teaching and Research Assistant, 01/2001 – 04/2004, Fellowship of the Ministry of Science, Technology and Development of the Republic of Serbia, 09/1998– 01/2001

Occupation or position held

Assistant Professor

Main activities and responsibilities

Teaching. Lectures (BSc): Basic of Instrumental Analysis (DON), Instrumental Analysis, Practicum of Instrumental analysis, Bioanalytical Chemistry, Sensors in Chemistry, Analytical Voltammetry. Lectures (PhD): Chemical Sensors, and Selected Topics in Analytical Chemistry.

Research. Carbon-based electrodes for voltammetric analysis of pesticides, trace metals and pharmaceuticals, Photodegradation of selected pesticides, Environmental analytical chemistry, Analytical chemistry of pharmaceuticals.

Name and address of employer

University of Novi Sad, Department of Chemistry, Biochemistry and Environmental Protection

Type of business or sector

Education, research

Education and training

Dates

19/ 07/2006; 04/07/2003; 29/09/1998

Title of qualification awarded

PhD thesis; M.Sc. Thesis; B.Sc. in Chemistry

Principal subjects/occupational skills covered

Analytical Chemistry; Analytical Chemistry; Analytical Chemistry

Name and type of organisation providing education and training

Department of Chemistry, University of Novi Sad, Novi Sad, Serbia



Level in national or international classification | PhD; M.Sc. Thesis; B. Sc.

Personal skills and competences

Mother tongue(s) **Hungarian**

Other language(s) **Serbian, English, German**

Self-assessment
European level ()*

Serbian
Hungarian
English
German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B2	Independent user	C1	Proficient user	C1	Proficient user	C1	Proficient user	B2	Independent user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	A2	Basic user

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

Social skills and competences | Team spirit, good ability to adapt to multicultural environment, gained tough work experience aboard, good communication skills, member of the Serbian Chemical Society, Secretary of the Analytical Chemistry Division of the Serbian Chemical Society-Vojvodina Branch (2005-2008), Foreign Member of the Public Body of the Hungarian Academy of Sciences (2004-).

Organisational skills and competences | Leadership (coordinator of CEEPUSII network on the level of R. Serbia), sense of organisation, good experience in project and team management, team spirit (participated as researcher in 8 projects).

Technical skills and competences | Broad experience in instrumental analysis: electrochemical techniques (voltammetry, potentiometry), flow injection analysis and sequential injection analysis, spectroscopy (UV-VIS, AAS, NMR), chromatography (HPLC).

Computer skills and competences | Good command of Microsoft Office tools (Word, Excel, PowerPoint), Basic knowledge of graphic design applications (Adobe Illustrator, PhotoShop, Corel Draw), Data bases of Web of Science, Scopus, Science direct, Application of different instrument software packages.

Artistic skills and competences | Music (piano) basic level

Other skills and competences | Hobbies: gardening
Sports: running, swimming, and table tennis

Driving licence | Category A



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Additional information

SPECIALISATIONS/FURTHER EDUCATION

PhD researcher 2004, 2005, 2007 (yearly few months) Budapest University of Technology and Economics (BUTE); PhD researcher 2005, 2006 (few months) University of Nova Gorica, Nova Gorica, Slovenia, Slovenia; Postdoc 2007-2008 (6 months) Kyushu University; Fukuoka, Japan, Teacher-CEEPUSII network 2009 and 2010 (yearly one month); University of Pardubice, Pardubice, Czech R., Teacher-CEEPUSII network 2010 (two months); Karl Franzens University, Graz, Austria; Teacher-CEEPUSII network 2010 (one month), AGH University, Krakow, Poland; Invited researcher and lecturer in the National Institut of Chemistry, Ljubljana, Slovenia, 2010 (one month).

SELECTED AWARDS

Several University awards for success during the studies (1994, 1996, 1997, 1998); Special prize of the Serbian Chemical Society for success during the studies (1998); **Junior grant of the Academy of Science and Arts of the Autonomous Province of Vojvodina (Serbia) (2006); Award of Hungarian Academy of Sciences for excellent work of young researcher (2010).**

SELECTED INTERNATIONAL PROJECTS

CEEPUS II network "Education of Modern Analytical and Bioanalytical methods", from 2007.-, researcher, from 2009.- coordinator of the Project for Serbia, International project (Main coordinator Prof. Dr. Karel Vytras, Czech R.); **Project HU-SRB/0901/121/116 OCEEFPTRWR** "Optimization of Cost Effective Procedures for Treatment of Regional Water Resources", Cross-border Programme Hungaria-Serbia, Instrument for Pre-Accession Assistance, 2010-2011; researcher, "Regional Water Resources Investigations in the Scope of Sustainable Development", **HU-RO-SCG 04SER02/01/009** (European Neighbourhood Programme); 2006-2008, researcher; "Analytical Chemistry and Degradation of Neonicotinoids", Bilateral project (Serbia-Slovenia) 2006-2007, researcher; "Environmental Audit of a Fertilizer Factory in the Republic of Serbia, Austria GEF CTF TF3034 (Bluewaters, Austria), 2003, researcher.

PUBLICATION LIST (selected)

1. B. F. Abramović, L. J. Bjelica, F. F. Gaál, **V. J. Guzsvány**, Lj. S. Jovanović, "Some Electrochemical Characteristics of Boron- and Phosphorus-doped Glassy Carbon Electrodes" *Electroanalysis*, **2003**, *10*, 878-884.
2. **V. Guzsvány**, J. Csanádi, F. Gaál, "NMR Study of the Influence of pH on the Persistence of Some Neonicotinoids in Water" *Acta Chim. Slov.* **2006**, *53*, 52-57.
3. **V. Guzsvány**, M. Kádár, F. Gaál, K. Tóth, L. Bjelica "Rapid Differential Pulse Polarographic Determination of Thiamethoxam in Commercial Formulation and Some Real Samples", *Microchim. Acta*, **2006**, *154*, 321-328.
4. **Guzsvány**, M. Kádár, F. Gaál, L. Bjelica, K. Tóth, "Bismuth Film Electrode for the Cathodic Electrochemical Determination of Thiamethoxam", *Electroanalysis*, **2006**, *18*, 1363-1371.
5. **V. Guzsvány**, A. Madžgalj, P. Trebše, F. Gaál, M. Franko "Determination of Selected Neonicotinoid Insecticides by Liquid Chromatography with Thermal Lens Spectrometric Detection" *Environmental Chemistry Letter*, **2007**, *5*, 203-208.
6. **V. Guzsvány**, M. Kádár, Zs. Papp L. Bjelica, F. Gaál, K. Tóth "Monitoring of Photocatalytic Degradation of Selected Neonicotinoid Insecticides by Cathodic Voltammetry with a Bismuth Film Electrode", *Electroanalysis*, **2008**, *20*, 291-300.
7. Poša, **V. Guzsvány**, J. Csanádi, S. Kevrešan, K. Kuhajda "Formation of hydrogen-bonded complexes between bile acids and lidocaine in the lidocaine transfer from an aqueous phase to chloroform" *European Journal of Pharmaceutical Sciences*, **2008**, *34*, 281-292.
8. Zs. J. Papp, I. Švancara, **V. J. Guzsvány**, K. Vytrás, F. F. Gaál "Voltammetric Determination of Imidacloprid Insecticide in Selected Samples Using a Carbon Paste Electrode" *Microchim. Acta* **2009**, *74*, 84-90.
9. **V. Guzsvány**, J. Csanádi, S. Lazić, F. Gaál "Photocatalytic Degradation of the Insecticide Acetamiprid on TiO₂ Catalyst" *Journal of Brazilian Chemical Society*, **2009**, *20*, 152-159.
10. **V. Guzsvány**, H. Nakajima, N. Soh, K. Nakano, T. Imato "Determination of Trace Metals by Sequential Injection-Anodic Stripping Voltammetry by Bismuth Film Electrode" *Sensing in Electroanalysis* (K. Vytrás, K. Kalcher, I. Švancara eds.), Vol. 4, ISBN 978-80-7395-212-9, Pardubice (Czech Republic), **2009**, 121-132.
11. **V. Guzsvány**, N. Banić, Zs. Papp, F. Gaál, B. Abramović "Comparison of different iron-based catalysts and TiO₂ for photocatalytic removal of imidacloprid" *Reaction Mechanism, Kinetics and Catalysis*, **2010**, *99*, 225-233.
12. Zs. Papp, Sz. Kubiak, **V. Guzsvány**, A. Bobrowski, L. Bjelica "Voltammetric Determination of Neonicotinoid Insecticide Thiamethoxam using a Tricresyl Phosphate-based Carbon Paste Electrode" *J. Serb. Chem. Soc.*, **2010**, *75*, 681-687.
13. **V. Guzsvány**, H. Nakajima, N. Soh, K. Nakano, T. Imato "Antimony film electrode for the determination of trace metals by sequential injection analysis/anodic stripping voltammetry" *Anal. Chim. Acta*, **2010**, *658*, 12-17.

Signature