



Hungary-Serbia

IPA Cross-border Co-operation Programme



The Programme is co-financed by the European Union

Europass Curriculum Vitae



Project acronym

OCEEFPTRWR

Abbreviated name of the organization

UNSPMF

Personal information

First name(s) / Surname(s)

Biljana Abramović

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Nationality

Serbian

Date of birth

15/12/1952

Gender

Female

Position / role In the project

Project manager

Work experience

Dates

Mart 1995- Full Professor of University of Novi Sad
May 1990 - Mart 1995 Associate Professor
December 1984 - May 1990 Assistant Professor
November 1976 - 1984 Assistant

Occupation or position held

Full Professor, Head of the Chair of Analytical Chemistry and Head of Doctoral Academic studies in Chemistry

Main activities and responsibilities

Education and research

Teaching activities:

- Lectures (BSc): Basic of Instrumental Analysis
Environmental Analysis
Microanalysis
Information in Chemistry

Lectures (PhD): Chemometrics
Selected Methods of Instrumental Analysis
Methodology of Scientific Research

- Research

Research on the field of environmental chemistry, photocatalytic degradation of organic compounds (pesticides and pharmaceuticals), kinetic methods of analysis, microanalysis, application of computers in analytical chemistry (exper systems), analysis of pharmaceutically and biologically active products, analysis of mycotoxins



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Name and address of employer | University of Novi Sad Faculty of Sciences, Trg Dositeja Obradovića 3, 21000 Novi Sad, Serbia (website: www.pmf.uns.ac.rs)

Type of business or sector | analytical and chemical aspects of environmental protection

Education and training

Dates | February 1983

Title of qualification awarded | PhD in Chemistry

Principal subjects/occupational skills covered | Analytical Chemistry

Name and type of organisation providing education and training | Department of Chemistry, Faculty of Sciences, University of Novi Sad, Trg Dositeja Obradovića 3, 21000 Novi Sad, Serbia

Level in national or international classification | PhD

Dates | October 1975- September 1979

Title of qualification awarded | MSc in Chemistry

Principal subjects/occupational skills covered | Analytical Chemistry

Name and type of organisation providing education and training | Department of Chemistry, Faculty of Sciences, University of Novi Sad, Trg Dositeja Obradovića 3, 21000 Novi Sad, Serbia

Level in national or international classification | MSc

Dates | October 1971- October 1975

Title of qualification awarded | BSc in Chemistry

Principal subjects/occupational skills covered | Analytical Chemistry

Name and type of organisation providing education and training | Department of Chemistry, Faculty of Sciences, University of Novi Sad, Trg Dositeja Obradovića 3, 21000 Novi Sad, Serbia

Level in national or international classification | BSc

**Personal skills and competences**Mother tongue(s) **Serbian**Other language(s) **English and German**

Self-assessment

European level ()***English****German**

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

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

Social skills and competences

- President (2001-2005) and Vice-president (2009-) of Serbian Chemical Society – Chemical Society of Vojvodina,
- President of the Division of Analytical Chemistry,
- Organizer of several scientific meetings in the country,
- Reviewer of numerous works for the journals *Talanta*, *Mikrochim. Acta*, *Appl. Catal. B: Environ.*, *Bull. Chem. Technol. Macedonia*, *J. Serb. Chem. Soc.*, *Acta Periodica Technologica (Novi Sad)*, *Journal of Agricultural Science and Technology*, *J. Hazard. Mater.*, *J. Photochem. Photobiol. A: Chem.*, and *Rev. Res. Fac. Science (Novi Sad)*;
- Member of the Editorial Board of the journal "Journal of the Serbian Chemical Society"
- Member of the Serbian Chemical Society and American Chemical Society
- Member of the Association for Water Technology and Sanitary Engineering

Organisational skills and competences

Development and evaluation of research experiment
 Organizer of several scientific meetings in the country,
 Participated as a co-worker in 16 research projects
 Leader of the project of the Ministry of Science of the Republic of Serbia: "Development of New and Improvement of the Existing Analytical Methods and Techniques for Monitoring Quality of the Environment" (Grant ON142029).

Technical skills and competences

Computer skills and competences

Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™), Origin Lab and Internet; Data bases of Web of Science, Scopus, Science Direct; Corel Draw; Adobe Reader, other instrument software used.

Driving licence **Category B****Additional information**

Summarizing data on the scientific activity:
 Total number of refereed articles: **103**
 In foreign journals from the above (without conference abstracts): **46**
 In Serbian journals publishing in English: **32**
 In Serbian journals publishing in Serbian: **25**
 Number of citations: **350**
 Number of heterocitations: **229**
 Cumulative impact factor: **55.971**
 Number of international conferences: **26**
 Number of invited lectures: **6**
 Number of books: **4**
 Number of monograph chapters: **2**

Annexes

List of selected papers



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Signature



Selected paper

1. Guzsvány, V., Banić, N., Papp, Zs., Gaál, F., Abramović, B., „Comparison of different iron-based catalysts and TiO₂ for photocatalytic decomposition of imidacloprid”, *React. Kinet. Mechan. Catal.*, DOI: 10.1007/s11144-009-0106-1, (2010) (published online: 2. 12. 2009). IF 0.610
2. Guzsvány, V., Papp, Zs., Lazić, S., Gaál, F., Bjelica, L., Abramović, B., „Rapid spectrophotometric determination of imidacloprid in selected commercial formulations in the presence of 6-chloronicotinic acid”, *J. Serb. Chem. Soc.*, **74**, 1455-1465 (2009). IF 0.611
3. Abazović, N. D, Mirengi, L., Janković, I. A., Bibić, N., Šojić, D. V., Abramović, B. F., Čomor, M., "Synthesis and characterization of rutile TiO₂ nanopowders doped with iron ions", *Nanoscale Res. Lett.*, **4**, 518-525 (2009). IF 2.158
4. Šojić, D. V., Anderluh, V. B., Orčić, D. Z., Abramović, B. F., "Photodegradation of clopyralid in TiO₂ suspensions: Identification of intermediates and reaction pathways" *J. Hazard. Mater.*, **168**, 94-101 (2009). IF 2.975
5. Abramović, B. F., Šojić, D. V., Anderluh, V. B., Abazović, N. D., Čomor, M. I., "Nitrogen-doped TiO₂ suspensions in photocatalytic degradation of herbicides mecoprop and (4-chloro-2-methylphenoxy)acetic acid using various light sources", *Desalination*, **244**, 293-302 (2009). IF 1.155
6. Jajić, I., Jurić, V., Glamočić, D., Abramović, B., "Occurrence of deoxynivalenol in maize and wheat in Serbia", *Int. J. Mol. Sci.*, **9**, 2114-2126 (2008). IF 0.978
7. Marković, I. S., Đarmati, Z. A., Abramović, B. F., "Chemical composition of leaf extracts of *Stevia rebaudiana* Bertoni grown experimentally in Vojvodina" *J. Serb. Chem. Soc.*, **73**, 283-297 (2008). IF 0.611
8. Jajić, I., Jurić, V., Abramović, B., "First survey of deoxynivalenol occurrence in crops in Serbia", *Food Control*, **19**, 545-550 (2008). IF 1.980
9. Abramović, B. F., Anderluh, V. B., Šojić, D. V., Gaál, F.F., "Photocatalytic removal of the herbicide clopyralid from water" *J. Serb. Chem. Soc.*, **72**, 1477-1486 (2007). IF 0.536
10. Abramović, B., Jajić, I., Abramović, B., Čosić, J., Jurić, V., "Detection of deoxynivalenol in wheat by Fourier transform infrared spectroscopy", *Acta Chimica Slovenica*, **54**, 859-867 (2007). IF 1.093
11. Abramović, B., Šojić, D., Anderluh, V., "Visible-light-induced photocatalytic degradation of herbicide mecoprop in aqueous suspension of TiO₂", *Acta Chimica Slovenica*, **54**, 558-564, 2007. IF 1.093
12. Abramović, B., Anderluh, V., Gaál, F., Šojić, D., "Derivative spectrophotometric determination of herbicides picloram and triclopyr in mixture", *J. Serb. Chem. Soc.*, **72**, 809-819 (2007). IF 0.536
13. Abramović, B.F., Jakšić, S.M., Mašić, Z.S., "Liquid chromatographic determination of fumonisins B₁ and B₂ in corn samples after reusable immunoaffinity column clean-up", *J. Serb. Chem. Soc.*, **70**, 899-910 (2005). IF 0.389
14. Abramović, B.F., Guzsvány, V.J., Gaál, F.F., "Phosphorus-doped and undoped glassy carbon indicator electrodes in controlled-current potentiometric titrations of bromide- or chloride-containing active ingredients in some pharmaceutical preparations", *J. Pharm. Biomed. Anal.*, **37**, 265-271 (2005). IF 1.889
15. Topalov, A.S., Šojić, D.V., Molnár-Gábor, D.A., Abramović, B.F., Čomor, M.I., "Photocatalytic activity of synthesized nanosized TiO₂ towards the degradation of herbicide mecoprop", *Appl. Catal. B: Environ.*, **54**, 125-133 (2004). IF 4.042
16. Abramović, B.F., Anderluh, V.B., Topalov, A.S., Gaál, F.F., "Titanium dioxide mediated photocatalytic degradation of 3-amino-2-chloropyridine", *Appl. Catal. B: Environ.*, **48**, 213-221 (2004). IF 4.042
17. Abramović, B.F., Anderluh, V.B., Topalov, A.S., Gaál, F.F., "Direct photolysis and photocatalytic degradation of 2-amino-5-chloropyridine", *J. Serb. Chem. Soc.*, **68**, 961-970 (2003). IF 0.474
18. Topalov, A., Molnár-Gábor, D., Abramović, B., Korom, S., Peričin, D., "Photocatalytic removal of the insecticide fenitrothion from water sensitized with TiO₂", *J. Photochem. Photobiol. A: Chem.*, **160**, 195-201 (2003). IF 1.693
19. Abramović, B.F., Bjelica, L.J., Gaál, F.F., Guzsvány, V.J., Jovanović, Lj.S., "Some electrochemical characteristics of boron- and phosphorus-doped glassy carbon electrodes", *Electroanal.*, **15**, 878-884 (2003). IF 1,811



20. Topalov, A., Abramović, B., Molnár-Gábor, D., Csanádi, J., Arcson, O., "Photocatalytic oxidation of the herbicide (4-chloro-2-methylphenoxy)acetic acid (MCPA) over TiO₂", *J. Photochem. Photobiol. A: Chem.*, **140**, 249-253 (2001).
IF 1.038
21. Abramović, B.F., Guzsvány, V.J., Gaál, F.F., Laušević, Z.V., "Potentiometric application of boron- and phosphorus-doped glassy carbon electrodes", *J. Serb. Chem. Soc.*, **66**, 179-188 (2001).
IF 0.244
22. Topalov, A., Molnár-Gábor, D., Kosanić, M., Abramović, B., "Photomineralization of the herbicide mecoprop dissolved in water sensitized by TiO₂", *Wat. Res.*, **34**, 1473-1478 (2000).
IF 1.285
23. Abramović, B.F., Abramović, B.K., Gaál, F.F., Obradović, D.M., "Expert system for catalytic titrimetry-Part 2: Determination of monobasic carboxylic acids", *J. AOAC Int.*, **81**, 1077-1086 (1998).
IF 0.948
24. Abramović, B.F., Gaál, F.F., Tepavčević, S.D., Lazarević, M.D., "Catalytic thermometric titrations of various mixtures of nitrogen base", *J. Thermal. Anal.*, **51**, 673-692 (1998).
IF 1.094
25. Abramović, B.F., Tepavčević, S.D., Abramović, B.K., Gaál, F.F., "Automation of a system for titrimetric measurements. Catalytic thermometric titrations of organic bases", *Analyst*, **121**, 425-430 (1996).
IF 1.843
26. Abramović, B.F., Abramović, B.K., Obradović, D.M., Gaál, F.F., "Expert system for catalytic titrimetry. Part 1. Determination of organic acids", *Analyst*, **121**, 401-406 (1996).
IF 1.843
27. Abramović, B.F., Jovanović, Lj.S., Gaál, F.F., "Electrochemical study of the persulphate- α,α' -dipyridile-silver(I) system", *ACH - Models in Chemistry*, **131**, 719-730 (1994).
IF 0.536
28. Abramović, B.F., Horváth, K.S., Gaál, F.F., "Microcomputer-aided titrimetric determination of bromine-containing active ingredients in some drug formulations", *Analyst*, **118**, 899-903 (1993).
IF 1.588
29. Abramović, B., Horváth, K., Gaál, F., "Automatic titrimetric determination of iodide in some pharmaceutical contrasting preparations", *J. Pharm. Biomed. Anal.*, **11**, 447-450 (1993).
IF 0.647
30. Abramović, B.F., Horváth, K.S., Gaál, F.F., Gaál, O.P., "Determination of silver, palladium, and gold in some alloys by titrimetric methods and inductively coupled plasma atomic emission spectrometry", *Microchem. J.*, **48**, 137-150 (1993).
IF 0.548
31. Jovanović, Lj.S., Ević, N.J., Bjelica, L.J., Abramović, B.F., Gaál, F.F., Rehák, N.L., "Voltammetric and titrimetric study of acid-base properties of some μ -oxo dimeric iron(III) complexes in DMF", *Monatsh. Chem.*, **123**, 1071-1079 (1992).
IF 0.471
32. Abramović, B.F., Gaál, F.F., Cvetković, S.D., "Titrimetric determination of fluoride in some pharmaceutical products used for fluoridation", *Talanta*, **39**, 511-515 (1992).
IF 1.236
33. Abramović, B.F., Gaál, F.F., Kurunczi, É.K., "Application to computers for optimisation of end-point determination in catalytic titrimetry", *Analyst*, **115**, 715-720 (1990).
IF 1.513
34. Abramović, B.F., "Computers in catalytic analysis", *Analyst*, **115**, 705-713 (1990).
IF 1.513
35. Abramović, B.F., Marinković, M.M., Gaál, F.F., "Titrimetric determination of gold in some pharmaceutical preparations", *Analyst*, **115**, 79-83 (1990).
IF 1.513
36. Gaál, F.F., Abramović, B.F., Cservenák, R.I., "Some observations on catalytic conductometric titrations", *Microchem. J.*, **34**, 295-304 (1986).
IF 0.545
37. Abramović, B.F., Gaál, F.F., "Complexometric catalytic titrations using the indicator reaction periodate - triethanolamine", *Microchem. J.*, **32**, 226-236 (1985).
IF 0.486
38. Gaál, F.F., Abramović, B.F., "Contribution to the theory of catalytic titrations - III. Neutralization catalytic titrations", *Talanta*, **32**, 559-563 (1985).
IF 0.952
39. Abramović, B.F., Gaál, F.F., Paunić, Đ.Ž., "Contribution to the theory of catalytic titrations - II. Precipitation and redox catalytic titrations", *Talanta*, **32**, 549-558 (1985).
IF 0.952
40. Gaál, F.F., Abramović, B.F., "Contribution to the theory of catalytic titrations - I. Complexometric catalytic titrations", *Talanta*, **31**, 987-996 (1984).
IF 1.080



41. Abramović, B.F., Gaál, F.F., Cservenák, R.I., Varga, A.Gy., "Semiautomatic and automatic catalytic amperometric and catalytic constant-current potentiometric titration of gold(III)", *Microchem. J.*, **30**, 162-171 (1984). IF 0.437
42. Gaál, F.F., Abramović, B.F., "Determination of mercury content of some pharmaceutical products by catalytic titration", *Mikrochim. Acta /Wien/*, 1982 I, 465-472. IF 0.942
43. Gaál, F.F., Abramović, B.F., "Catalytic amperometric and catalytic constant-current potentiometric titrations of silver(I), palladium(II), and mercury(II)", *Talanta*, **27**, 733-740 (1980). IF 0.892
44. Gaál, F.F., Abramović, B.F., Canić, V.D., "Determination of fluoride with thorium nitrate by catalytic titration", *Talanta*, **25**, 113-116 (1978). IF 0.892
45. Gaál, F.F., Abramović, B.F., Szabenyi, F. B., Canić, V.D., "Determination of EDTA by catalytic amperometric and catalytic potentiometric titration at a small constant current", *Z. Anal. Chem.*, **286**, 222-225 (1977). IF 2.867