

Dr sc. Snežana Uskoković-Marković

Employment Information:

2012	Assistant professor (Faculty of Pharmacy - University of Belgrade)
2000	Assistant (Faculty of Pharmacy - University of Belgrade)
1994	Assistant Fellow (Faculty of Pharmacy - University of Belgrade)
1993	Colaborator (Faculty of Pharmacy - University of Belgrade)

Education:

2007	Ph.D. Thesis, Faculty of Chemistry - University of Belgrade
1999	Master Thesis, Faculty of Chemistry - University of Belgrade
1994	Professional Competence Exam, Ministry of Health, Republic of Serbia
1993	Graduate pharmacist from the Faculty of Pharmacy - University of Belgrade

Training:

Study visits in Paris: laboratories of CNRS (Centre national de la recherche scientifique)

2002	April-May, Laboratoire de Structure, Proprietes et Modelisation des Solides, Ecole Centrale, Paris, research field: structure analysis of monocrystals.
2002	November, Laboratoire de Dynamique, Interaction et Reactivite, Thiais, research field: vibration spectroscopy.

Study visit in Athens:

2004	May-Juny, National Technical University of Athens, research field: dielectric and impedance properties of materials.
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Courses:

2004	September, Salamanca, Spain, Vibration spectroscopy and Ion speciation.
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Dec 2004 – March 2005

Pedagogic specialization of university professors, Faculty of Philosophy - University of Belgrade

Academic awards and distinctions:

1994 The best student at University of Belgrade award

Teaching activities:

Enrolled in teaching at the first and second year of study for both study programs (Master of Pharmacy and Master of Pharmacy-Medical Biochemist): Analytical Chemistry 1 and Analytical Chemistry 2 (mandatory courses) as well as Introduction to Laboratory Work and Selected Chapters of Analytical Chemistry (elected courses).

Member of the Committee for doctoral theses defended at the Faculty of Physical Chemistry

Mentor of more than 50 graduated exams.

Mentor of 6 students research works.

Textbooks:

1. V. Kapetanović, M. Jelikić-Stankov, K. Karljiković, M. Aleksić, S. Ražić, S. Uskoković, J. Odović, Semimikro kvalitativna hemijska analiza - Praktikum za studente farmacije, Farmaceutski fakultet, Beograd, 2011, ISBN: 978-86-80263-87-8.

2. M. Jelikić-Stankov, V. Kapetanović, K. Karljiković, M. Aleksić, S. Ražić, S. Uskoković, J. Odović, Kvantitativna hemijska analiza – Praktikum i zbirka zadataka za studente farmacije, Farmaceutski fakultet, Beograd, 2011, ISBN: 978-86-80263-79-3.

Activities within the Faculty:

2013 – Head at the Department of Analytical Chemistry

2009 - 2012 - Member of Council of the Faculty of Pharmacy - University of Belgrade

Activities within wider Academic Community:

1. Editorial office of international journal:

2010 –. Member of Editorial Board of international journal **Global Journal of Analytical Chemistry**.

2. Peer review activities

Peer review activities in 15 international journal: (Talanta, Journal of Hazardous Materials, Canadian Journal of Analytical Sciences and Spectroscopy, The Journal of Serbian Chemical Society, International Journal of Developmental Neuroscience,

Biological Trace Element Research, Technologica Acta, Pakistan Journal of Pharmaceutical Sciences, Acta Chromatographica, ...).

3. Organizing committee of international conference

Member of the Organizing Committee of XLII Counseling of General and Applied Spectroscopy, Belgrade

4. Colaborator at Project of Ministry of Health

2008-2009 "Health promotion and disease prevention of women in Serbia"

Projects:

National projects:

2011–2015 „Elektroprovodni i redoks-aktivni polimeri i oligomeri: sinteza, struktura, svojstva i primena”, No 172 043, Faculty of Physical Chemistry, University of Belgrade.

2006-2010 „Struktura, termodinamičke i elektrohemijske osobine savremenih materijala za konverziju energije i nove tehnologije”, No 142 047, Faculty of Physical Chemistry, University of Belgrade.

2001-2005 „Sinteza i karakterizacija POM i srodnih jedinjenja metala i njihova primena u novim tehnologijama, biomedicini i zaštiti", No 1730, Faculty of Physical Chemistry, University of Belgrade.

1996-2000 „Razrada savremenih analitičkih metoda, postupaka i senzora, njihovo izučavanje i primena”, Faculty of Chemistry, University of Belgrade.

1996-2000 „Spektroskopija fizičko-hemijskih procesa i stanja strukture i energetike sistema”, Institute of Nuclear Science Vinča.

1994-1995 „Hemijsko-farmakološko i farmakokinetičko istraživanje lekovitih supstancija i lekovitog bilja”, Faculty of Pharmacy, University of Belgrade.

International Projects

2002-2004 "Structures et mobilite ionique/protonique de solides reseaux hotes", COCOOP, Faculty of Physical Chemistry, University of Belgrade and LADIR-CNRS, Ecole Centrale Paris, France.

2002-2004 "Design of humidity sensors based on heteropolyacid systems" Faculty of Physical Chemistry, University of Belgrade and National Technical University of Athens, Greece.

Publications:

- Holclajtner-Antunovic I, Bajuk-Bogdanovic D, Popa A, Nedic Vasiljevic B, Krstic J, Mentus S, Uskokovic-Markovic S, Structural, morphological and catalytic characterization of neutral Ag salt of 12-tungstophosphoric acid: Influence of preparation conditions, *Appl Surf Sci* 328 (2015) 466–474.
- Daković M, Stojiljković A, Bajuk-Bogdanović D, Starčević A, Puškaš L, Filipović B, Uskoković-Marković S, Holclajtner-Antunović I, Profiling differences in chemical composition of brain structures using Raman spectroscopy, *Talanta*, 2013; 117: 133–138.
- Holclajtner-Antunovic I, Popa A, Bajuk-Bogdanović D, Mentus S, Nedić Vasiljević B, Uskokovic-Markovic S, Synthesis and characterization of acid silver salts of 12-tungstophosphoric acid, *Inorganica Chimica Acta*, 2013; 407: 197-203.
- Kuntić V, Stanković M, Vujić Z, Brborić J, Uskoković-Marković S, Radioprotectors – the Evergreen Topic, *Chem. Biodiv.* 2013; 10(10): 1791–1803.
- Uskoković-Marković S, Jelikić-Stankov M, Holclajtner-Antunović I, Đurđević P, Raman Spectroscopy as a New Biochemical Diagnostic Tool *Journal of Medical Biochemistry*, 2013; 32(2): 96–103.
- Holclajtner-Antunovic I, Bajuk-Bogdanovic D, Popa A, Uskokovic-Markovic S, Spectroscopic identification of molecular species of 12-tungstophosphoric acid in methanol/water solutions, *Inorganica Chimica Acta*, 2012; 383: 26–32.
- Topić A, Milenković M, Uskoković-Marković S, Vučićević D, Insulin Mimetic Effect of Tungsten Compounds on Isolated Rat Adipocytes, *Biological Trace Element Research*, 2010; 134(3): 296-306.
- Uskoković-Marković S, Milenković M, Topić A, Kotur-Stevuljević J, Stefanović A, Antić-Stanković J. Protective Effect of Tungstophosphoric Acid and Sodium Tungstate on Chemically Induced Liver Necrosis in Wistar Rats, *Journal of Pharmacy and Pharmaceutical Sciences* 2007;10(3): 340-349.
- Jelikić-Stankov M, Uskoković-Marković S, Holclajtner-Antunović I, Todorović M, Đurđević P. Compounds of Mo, V and W in Biochemistry and Their Biomedical Activity, *Journal of Trace Elements in Medicine and Biology* 2007; 21: 8-16.
- Uskoković-Marković S, Todorović M, Mioč B.U., Holclajtner- Antunović I, Andrić V. EDXRF Spectrometry Determination of Tungsten in Tobacco Plants After Antiviral Treatment with 12-Tungstophosphoric Acid and its Compounds, *Talanta* 2006; 70: 301-301.