

CV

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ŠKOLOVANJE

Osnovna škola: Kragujevac,
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Srednja škola: Kragujevac,
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Studije hemije: Prirodno-matematički Fakultet
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Doktorske studije: Prirodno-matematički Fakultet
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Kragujevac, 2010-2012

Objavljeni naučni radovi: *Spisak radova nalazi se u prilogu*

Strani jezici: Ruski, Engleski

PROFESIONALNA KARIJERA

Asistent: Prirodno-matematički Fakultet
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Predmeti iz kojih drži vežbe: Analitička hemija 1, Analitička hemija 3
Analitička hemija životnih namirnica

Oblast istraživanja: Analitička hemija nevodjenih rastvora,
Senzori, AAS

Spisak radova

- 1 R. Mihajlović, V. Vajgand, Z. Simić “*Coulometric generation of hydrogen ions by anodic oxidation of some organic compounds in nitromethane, sulpholane, acetonitrile and acetic acid-acetic anhydride*”, Anal. Chim. Acta., **265** (1992) 35.
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- 2 R. Mihajlović, Z. Simić, Lj. Mihajlović, A. Jokić, M. Vukašinović, N. Rakićević “*Application of hydrogen-palladium and deuterium-palladium electrodes in the coulometric-potentiometric determination of bases in some dipolar aprotic solvents*”, Anal. Chim. Acta., **318** (1996) 287.
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- 3 R. Mihajlović, Z. Simić, Lj. Mihajlović, M. Vukićević, “*Determination of autoprotolysis constants of some non-aqueous solvents using coulometric titration*”, Talanta, **43** (1996) 2131.
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- 4 M. Antonijević, Z. Simić, Z. Petrović, “*Natural Sulphide Minerals as Sensors for Determination of Total Acidity of Humic and Fulvic Acids*“, *Sensor Letters*, **7** (2009) 523.
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- 5 Zoran Simić, Zorka Stanić, Milan Antonijević, “*Use of sulphide minerals as electrode sensors for acid-base potentiometric titrations in non-aqueous solvents and their application for the determination of certain biologically active substances*” *Sensor Letters*, **8** (2010) 784.
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- 6 Zoran Simić, Zorka Stanić, Milan Antonijević, “*Application of Pyrite and Chalcopyrite Electrodes for the Acid-Base Determinations in Nitriles*” *J. Braz. Chem. Soc.*, **22** (2011) 709.
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- 7 Zorka Stanić, Tijana Dimić, Zoran Simić, Ljiljana Jakšić, Stella Girousi, “*Electrochemical characterization and analytical application of arsenopyrite mineral in non-aqueous solutions by voltammetry and potentiometry*”, *Polyhedron* **30** (2011) 702.
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8. Zorka Stanić, Jelena Stepanović, Zoran Simić, “*Arsenopyrite mineral based electrochemical sensor for acid–base titrations in γ -butyrolactone and propylene carbonate*”, *Monatsh. Chem.* **143** (2012) 1.
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9. Zorka Stanić, Jelena Stepanović, Zoran Simić, “*Voltammetric and potentiometric characterization of magnetite electrode for the assay of weak organic acids in non aqueous media*”, *Polyhedron* **45** 1 (2012) 43-47.
ISSN: 0277-5387 **M22 2,033**
10. Zorka Stanić, Tijana Dimić and Zoran Simić, “*Noble Metal Oxides Electrodes and Analytical Application thereof for Acid-Base Titrations in Non-Aqueous Solvents*”, *J. Electrochem. Soc.* **159** (5) (2012) J168-J175.
ISSN 0013-4651 **M21 2,427**
11. Zorka Stanić, and Zoran Simić “*Palladium metal electrode and its analytical application to precipitation and acid-base analysis in aqueous and non-aqueous media*” *Journal of Solid State Electrochemistry* **18** (2014) 1823-1832.
ISSN: 1432-8488 **M22**
12. Zoran Simić, and Zorka D. Stanić „*TiO₂-modified carbon paste electrode as a sensor for the assay of weak organic acids/bases and complex matrix samples*” *Electroanalysis* **27** (2015) 2699-2707.
ISSN: 1040-0397 **M22**