

- Suljević, D., Handžić, N., Foćak, M., Lasić, I., Sipović, F., Sulejmanović, J., **Begić, S.**, Alijagić, A. (2021) Lead Exposure Influences Serum Biomarkers, Hepatocyte Survival, Bone Marrow Hematopoiesis, and the Reproductive Cycle in Japanese Quails. *Biol Trace Elem Res*. DOI: 10.1007/s12011-020-02272-y.
2. Sulejmanović, J., Sova, N., Memić, M., Šabanović, E., **Begić, S.**, & Sher, F. (2021) Selective removal of lead ions from aqueous solutions using SiO₂-MoO₃: Isotherm, kinetics and thermodynamic studies. *Case Studies in Chemical and Environmental Engineering*, 3, 100083.
3. **Begić, S.**, Ljubijankić, N., Gojak-Salimović, S. and E. Osmić (2019) Novel complexes of ruthenium(III) with Schiff bases and indazole – synthesis and characterization. *Rasayan J. Chem.*, 12(1): 294-299.
- Sulejmanović, J., Šabanović, E., **Begić, S.** and Memić, M. (2018) Molybdenum(VI) oxide-modified silica gel as a novel sorbent for the simultaneous solid-phase extraction of eight metals with determination by flame atomic absorption spectrometry. *Analytical Letters*, 52(4): 588-601.
- Abdić, Š., Memić, M., Šabanović, E., Sulejmanović, J. and **Begić, S.** (2018) Adsorptive removal of eight heavy metals from aqueous solution by unmodified and modified agricultural waste: tangerine peel. *International Journal of Environmental Science and Technology*, 15(12): 2511-2518.
- Ljubijankić, N., **Begić, S.**, Ljubović-Dedeić, A., Stanković, M., Salimović-Bešić, I., Jadranin, M., Bencun, B. and Ljubijankić, S. (2018) Antimicrobial and genotoxic activity of novel ruthenium(III) complex with *N*-phenyl-nitrosalicylideneimine. *Rasayan J. Chem.*, 11(4): 1511-1518.
- Ljubijankić, N., Stanković, M., Tešević, V., Grgurić-Šipka, S., Jadranin, M., **Begić, S.** and Šabanović, E. (2018) Cytokinesis block micronucleus assay in human lymphocytes after exposure to Ru(III) thiosemicarbazone complexes *in vitro*. *Rasayan J. Chem.*, 11(2): 647-652.
- Ljubijankić, N., Tešević, V., Grgurić-Šipka, S., Jadranin, M., **Begić, S.**, Buljubašić, L., Markotić, E. and Ljubijankić, S. (2016) Synthesis and characterization of Ru(III) complexes with thiosemicarbazones. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 47, 1-6.
- Begić, S.** and Ljubijankić, N. (2016) Synthesis and Characterization of Neutral Ru(III) Complexes Containing Schiff Bases and *N*-donor Heterocyclic Ligands. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 47, 27-32.
- Begić-Hairlahović, S.**, Kahrović, E. and Turkušić, E. (2014) Synthesis, Characterization and Interaction with CT DNA of Novel Cationic Complex Ru(III) with Indazole and Schiff Base Derived from 5-Chlorosalicylaldehyde. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina* 43 (2014) 15-20.
- Turkušić, E., **Begić, S.**, Kahrović, E. and Kalcher, K. (2011) Amperometric Determination of Glucose with FeO and Glucose Oxidase Bulk-Modified Screen-Printed Carbon Ink Biosensor. *HealthMED*, 5/5, 1117-1122.
- Turkušić, E., **Begić, S.**, Kahrović, E. and Kalcher, K. (2011) Amperometric Determination of hydrogen peroxide with FeO Bulk-Modified Screen-Printed Carbon Ink Sensor. *HealthMED*, 5/4, 949-955.
- Kahrović, E., Dehari, S., Dehari, D., Reci, H., **Begić, S.** and Ljubijankić, N. (2010) Synthesis and characterization of new Ru (III) complexes with monobasic (NO) and dibasic (ONO) Schiff bases derived from salicylaldehydes. *TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM*, 5/4, 799- 803.
- Waryo, T., Kotzian, P., **Begić, S.**, Bradizlova, P., Beyene, N., Baker, P., Kgarebe, B. Turkusić, E., Iwuoha, E., Vytras, K. and Kalcher, K. (2009) Amperometric Hydrogen Peroxide Sensors with Multivalent Metal Oxide-Modified Electrodes for Biomedical Analysis. 13th INTERNATIONAL CONFERENCE ON BIOMEDICAL ENGINEERING, ICBME 2008, Chwee Teck Lim, James C.H. Goh (Eds.), *IFMBE Proceedings* 23/2, 829-833.
- Waryo, T.T., **Begić, S.**, Turkušić, E., Vytřas, K. and Kalcher, K. (2005) Fe₃O₄-Modified Thick Film Carbon-Based Amperometric Oxidase-Biosensor. *Sci. Pap. Univ. Pardubice, Ser. A*, 11, 265–279.
- Turkušić, E., Kalcher, J., Kahrović, E., Beyene, N.W., Moderegger, H., Sofić, E., **Begić, S.** and Kalcher, K. (2005) Amperometric Determination of Bonded-Glucose With a Manganese Dioxide and Glucose Oxidase Bulk-Modified Screen Printed Electrode Using Flow Injection Analysis. *Talanta*, 65, 559-564.

Stručni radovi

1. Ljubijankić, N., Cipurković, A., **Begić, S.**, Horozić, E. i Ljubijankić, S. (2018) Osobine i ekotoksikologija kadmija. U *Zbornik radova Peti naučno-stručni skup sa međunarodnim učešćem "5. juni - Svjetski dan zaštite okoliša" 29. i 30. Juni 2017*, Bihać, BiH, Univerzitet u Bihaću, Biotehnički fakultet, ISSN 2566-4530, str. 48-55.
2. **Begić, S.**, Ljubijankić, N. (2018) Zbrinjavanje hemijskog otpada u studentskim laboratorijama. U *Zbornik radova Peti naučno-stručni skup sa međunarodnim učešćem "5. juni - Svjetski dan zaštite okoliša" 29. i 30. Juni 2017*, Bihać, BiH, Univerzitet u Bihaću, Biotehnički fakultet, ISSN 2566-4530, str. 105-112.