

SCIENTIFIC WORKS OF D-R GORICA PAVLOVSKA

1. PUBLISHED SCIENTIFIC WORKS

- 1.1. G. Pavlovska, K. Čundeve, T. Stafilov, GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROMETRIC DETERMINATION OF LEAD IN FRESH WATER AFTER PRECIPITATE FLOTATION AS PRECONCENTRATION PROCEDURE *Bull. Chem. Technol. Macedonia*, **16(2)**, 131-138 (1997). **Informis**, Web of Science – Impact Factor 0,459.
- 1.2. G. Pavlovska, T. Stafilov, K. Čundeve, IRON(III) HEXAMETHYLENEDITHIO-CARBAMATE AS A NEW FLOTATION REAGENT FOR CONCENTRATION OF ZINC, *Fresenius J. Anal. Chem.*, **361**, 213-216 (1998). Springer, **Web of Science - Impact Factor**
- 1.3. T. Stafilov, G. Pavlovska, K. Čundeve, IRON(III) HEXAMETHYLENEDITHIO-CARBAMATE AS A NEW FLOTATION COLLECTOR FOR SEPARATION OF TOTAL CHROMIUM, *Microchem. J.*, **60**, 32-41 (1998). Elsevier, **Web of Science - Impact Factor 3,034**.
- 1.4. K. Čundeve, T. Stafilov, G. Pavlovska, OPREDELUVANJE NA TEŽKI METALI VO IZVORSKA VODA OD OKOLINATA NA SKOPJE, *I Kongres na ekolozi na Makedonija, Zbornik na trudovi*, Tom **2**, 584-594 (1998).
- 1.5. G. Pavlovska, K. Čundeve, T. Stafilov, THE ROLE OF SURFACTANTS IN PRECIPITATE FLOTATION AS SEPARATION ANALYTICAL METHOD, *Book of Papers of 16th Congress of Chemists and Technologists of Macedonia*, Vol. **2**, 463-466 (1999).
- 1.6. T. Stafilov, G. Pavlovska, K. Čundeve, COBALT(III) HEXAMETHYLENEDITHIOCARBAMATE AS A NEW FLOTATION COLLECTOR FOR SEPARATION AND PRECONCENTRATION OF COPPER, *Book of Papers of 16th Congress of Chemists and Technologists of Macedonia*, Vol. **2**, 467-470 (1999).
- 1.7. K. Čundeve, T. Stafilov, G. Pavlovska, PRECONCENTRATION AND SEPARATION OF IRON IN WATER BY COFLOTATION USING LEAD(II) HEXAMETHYLENEDITHIOCARBAMATE, *Spectrochim. Acta, Part B*, **55(7)**, 1081-1087 (2000). Elsevier, **Web of Science - Impact Factor 2,534**.
- 1.8. K. Čundeve, T. Stafilov, G. Pavlovska, FLOTATION SEPARATION OF COBALT AND COPPER FROM FRESH WATERS AND THEIR DETERMINATION BY ELECTROTHERMAL ATOMIC ABSORPTION SPECTROMETRY, *Microchemical J.*, **65**, 165-175 (2000). Elsevier, **Web of Science - Impact Factor 3,034**.
- 1.9. G. Pavlovska, K. Čundeve and T. Stafilov, FLOTATION PRECONCENTRATION OF COBALT AND NICKEL BY LEAD(II) HEXAMETHYLENEDITHIOCARBAMATE, *Sep. Sci. Technol.*, **35**, 2663-2677 (2000). Taylor & Francis, **Web of Science - Impact Factor 1,106**.
- 1.10. G. Pavlovska, K. Čundeve, T. Stafilov, Determination of Thallium Traces from Aqueous Solutions Using Iron(III) Hexamethylenedithiocarbamate as a Flotation

Collector and Subsequent Electrothermal Atomic Absorption Spectrometry ENRICHMENT OF THALLIUM TRACES FROM AQUEOUS SOLUTIONS USING IRON(III) HEXAMETHYLENEDITHIOCARBAMATE AS A FLOTATION COLLECTOR WITH SUBSEQUENT ELECTROTHERMAL ATOMIC ABSORPTION SPECTROMETRY, *Croat. Chem. Acta*, **74(1)**, 121-134 (2001). Croatian Chemical Soc., **Web of Science - Impact Factor 0,832**

- 1.11. T. Stafilov, G. Pavlovska, K. Čundeва, ELECTROTHERMAL ATOMIC ABSORPTION SPECTROMETRIC DETERMINATION OF NICKEL AFTER ITS FLOTATION ENRICHMENT BY IRON(III) HEXAMETHYLENEDITHIOCARBAMATE, *Turkish J. Chem.*, **24**, 303-310 (2000).
- 1.12. D. Zendelovska, G. Pavlovska, K. Čundeва, T. Stafilov, ELECTROTHERMAL ATOMIC ABSORPTION SPECTROMETRIC DETERMINATION OF COBALT, COPPER, LEAD AND NICKEL TRACES IN ARAGONITE FOLLOWING FLOTATION AND EXTRACTION SEPARATION, *Talanta*, **54**, 139-146 (2001). Elsevier, **Web of Science - Impact Factor 4,162**.
- 1.13. T. Stafilov, G. Pavlovska, K. Čundeва, D. Zendelovska, V. Paneva, SEPARATION, PRECONCENTRATION AND DETERMINATION OF CADMIUM IN DRINKING WATERS, *Journal of Environ. Sci. Health, Part A*, **36(5)**, 735-746 (2001). Taylor&Francis, **Web of Science - Impact Factor 1,276**.
- 1.14. G. Pavlovska, T. Stafilov, K. Čundeва, PRECONCENTRATION AND SEPARATION OF CADMIUM BY COBALT(III) HEXAMETHYLENEDITHIOCARBAMATE AS A COLLECTOR BEFORE ITS DETERMINATION BY ATOMIC ABSORPTION SPECTROMETRY, *Fresenius J. Anal. Chem.*, **369**, 670-673 (2001). Springer, **Web of Science - Impact Factor**.
- 1.15. K. Čundeва G. Pavlovska, T. Stafilov, ETAAS DETERMINATION OF THALLIUM AND SILVER FROM WATER MATRIX AFTER COLLOIDAL PRECIPITATE FLOTATION USING LEAD(II) HEXAMETHYLENEDITHIOCARBAMATE, *J. Serb. Chem. Soc.* **66**, 709-721 (2001). Serbian Chemical Soc., **Web of Science Impact Factor 0,97**.
- 1.16. T. Stafilov, K. Čundeва, G. Pavlovska, SILVER COFLOTATION WITH IRON(III) AND COBALT (III) HEXAMETHYLENEDITHIOCARBAMATE SALTS PRIOR TO ITS DETERMINATION BY ELECTROTHERMAL ATOMIC ABSORPTION SPECTROMETRY, *Int. J. Environ. Anal. Chem.*, **80(4)**, 269-280 (2001). Taylor&Francis, **Web of Science - Impact Factor 1,411**.
- 1.17. K. Čundeва, G. Pavlovska, T. Stafilov and D. Zendelovska, APPLICABILITY OF IRON(III) HEXAMETHYLENEDITHIOCARBAMATE AS COLLOID COLLECTOR FOR FLOTATION PRECONCENTRATION AND SEPARATION OF SOME TRACE ELEMENTS IN ARAGONITE BEFORE THEIR AAS DETERMINATION, *J. Inst. Sci. Techn. Balikesir University*, **4(2)**, 9-12 (2002).
- 1.18. T. Stafilov, G. Pavlovska, K. Čundeва, LEAD(II) AND COBALT(III) HEPTYLDITHIOCARBAMATES AS NEW COFLOTATION REAGENTS FOR PRECONCENTRATION OF CADMIUM BEFORE ITS ETAAS DETERMINATION, *J. Inst. Sci. Techn. Balikesir University*, **4(2)**, 85-89 (2002).

- 1.19. T. Stafilov, D. Zendelovska, G. Pavlovska, K. Čundeva, DETERMINATION OF TRACE ELEMENTS IN DOLOMITE AND GYPSUM BY ATOMIC ABSORPTION SPECTROMETRY: OVERCOMING THE MATRIX INTERFERENCE BY FLOTATION SEPARATION, *Spectrochim. Acta, Part B*, **57**, 907-917 (2002). Elsevier, **Web of Science - Impact Factor 2,534**.
- 1.20. K. Čundeva, T. Stafilov, D. Zendelovska, G. Pavlovska, APPLICATION OF COPRECIPITATE FLOTATION AS A METHOD FOR SELECTIVE SEPARATION OF HEAVY METAL TRACE IMPURITIES IN DOLOMITE AND GYPSUM AND THEIR ETAAS DETERMINATION, *Bul. Chem. Technol. Macedonia*, **21**, 43-52 (2002). Informs, **Web of Science – Impact Factor 0,459**.
- 1.21. G. Pavlovska, K. Čundeva, T. Stafilov, ETAAS METHOD FOR COPPER DETERMINATION IN FRESH WATERS FOLLOWING FLOTATION SEPARATION BY COBALT(III) HEPTHYLDITHIOCARBAMATE AND COBALT(III) HEXAMETHYLENEDITHIOCARBAMATE, *Anal. Lett.*, **35**, 2347-2362 (2002). **Impact Factor 1,088**.
- 1.22. K. Čundeva, T. Stafilov, D. Zendelovska, G. Pavlovska, FLOTATION PRECONCENTRATION AND DETERMINATION OF TRACE ELEMENTS IN DOLOMITE BY ATOMIC ABSORPTION SPECTROMETRY, *3rd Aegean Analytical Chemistry Days, Polihnotos, Lezvos, Proceedings*, 515-518 (2002).
- 1.23. T. Stafilov, K. Čundeva, G. Pavlovska, FLOTACIONO KONCENTRIRAWE I OPREDELUVAWE NA TE[KI METALI VO NEKOI PRIRODNI VODI OD REPUBLIKA MAKEDONIJA, *I Kongres na in`enerite na Makedonija, Struga, Zbornik na trudovi*, 204-209 (2002).
- 1.24. G. Pavlovska, K. Čundeva, T. Stafilov, D. Zendelovska, FLOTATION METHOD FOR SELECTIVE SEPARATION OF SILVER, CADMIUM, CHROMIUM, MANGANESE, THALLIUM AND ZINC FROM ARAGONITE BEFORE ATOMIC ABSORPTION SPECTROMETRIC DETERMINATION, *Sep. Sci. Technol.*, **38(5)**, 1117-1124 (2003). Taylor&Francis, **Web of Science - Impact Factor 1,106**.
- 1.25. K. Čundeva, T. Stafilov, G. Pavlovska, I. Karadjova, S. Arpadjan, PRECONCENTRATION PROCEDURES FOR TRACE CADMIUM DETERMINATION IN NATURAL AQUEOUS SYSTEMS PRIOR TO ZEEMAN ETAAS, *Int. J. Environ. Anal. Chem.*, **83**(12), 1009-1019 (2003). Taylor&Francis, **Web of Science – Impact Factor 1,411**.
- 1.26. U. Ay, K. Čundeva, G. Akçin, T. Stafilov, V. Paneva Zajkova, G. Pavlovska, COBALT(III) HEXAMETHYLENEDITHIOCARBAMATE AS A NEW COLLECTOR FOR FLOTATION PRECONCENTRATION OF IRON, NICKEL, LEAD AND ZINC PRIOR TO ETAAS, *Anal. Lett.*, **37(4)**, 695-710 (2004). **Impact Factor 1,088**.
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- 1.28. K. Čundeва, T. Stafilov, G. Pavlovska, V. Zajkova Paneva, ETAAS DETERMINATION OF CADMIUM, COPPER AND ZINC FROM AQUEOUS MATRIX AFTER PRECIPITATE FLOTATION BY LEAD(II) HEXAMETHYLENEDITHIOCARBAMATE, *XVIII Congress of Chemists and Technologists of Macedonia, Ohrid, Proceedings*, ICT-17 (2004)
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- 1.31. K. Čundeва, G. Pavlovska, T. Stafilov, Fe(III) HEPHYLDITHOCARBAMATE AS A NEW COLLECTOR FOR FLOTATION SEPARATION AND PRECONCENTRATION OF Cr, Cu, AND Pb FROM FRESH WATERS BEFORE THEIR DETERMINATION BY ETAAS, *Journal of the Brazilian Chemical Society*, **18**, 1207-1214 (2007) Soc.Brasileira Quimica, **Web of Science – Impact Factor 1,343**.
- 1.32. G.Pavlovska, M.Darkovska-Serafimovska, B. Nestorovska-Gjosevska COMPARATIVE EXAMINATION OF THE SPEED OF RELEASE OF PYRIDOXIN HCl OF VITAMIN B₆ TABLETS á 20 mg, *2nd International Congress, Engineering, Ecology and Materials in the processing industry, Proceedings*, 366-373, Jahorina, 2011
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- 1.35. G. Pavlovska, D. Nikolovska-Nedelkoska, V. Jankuloska, A. Saveski, D. Damjanovski, Determination of Pb, Cd and Zn in the vegetables in the area near Veles, *Scientific works of UFT, Food Science Engineering and Technologies*, 59, 334- 338 , Plovdiv, 2012
- 1.36. G. Pavlovska, S. Tanevska, Influence of temperature and humidity on the degradation process of ascorbic acid in Vitamin C chewable tablets, *J Therm Anal Calorim.*, 111(3), 1971-1977, (2013). Springer, **Web of Science - Impact Factor 2.042**

- 1.37. V. Jankuloska., B. Bliznakovska, G. Pavlovska, Monitoring the quality and safety of drinking water in the town of Kicevo through of physical – chemical and microbiological analysis, Food science, engineering and technologies, 609 - 612, Plovdiv, Bulgaria, 2013
- 1.38. D. Nikolovska-Nedelkoska, G. Pavlovska, D. Damjanovski, M. Karadelev, Mineral content of wild edible macrofungi laetiporus sulphureus and suillus fluryi from Macedonia, Food science, engineering and technologies, 832-836, Plovdiv, Bulgaria, 2013
- 1.39. V. Jankuloska, G. Pavlovska, Analysis of raw and refined sunflower oil from Macedonia, 8 th International Congress of Food Technologists, Biotechnologists and Nutritionists, *Proceedings*, 75-81, Opatija, 2014
- 1.40. G. Pavlovska, V.Jankuloska, B. Temelkoska, Chemical treatment of water for steam boilers in Mining Power Complex “Oslomej” in Kicevo, *Proceedings*, 79-84, Bor, 2014
- 1.41. G.Pavlovska, E.Dukovska, V.Antoska-Knighs, V.Jankuloska, Influence of temperature of storage on amount of vitamin C in strawberries” Journal of Hygienic Engineering and Design, 2015, Vol 11, 15-19.
- 1.42. G. Pavlovska, V. Jankuloska, B.Temelkoska, Getting of industrial water for steam boilers with treatment of drinking water from the spring Studenčica, TEM Journal, 2015, 4(3), 281-286.
- 1.43. G.Pavlovska, T.Stafilov, K. Čundeва, Determination of iron in drinking water after its flotation concentration by two new dithiocarbamate collectors, Journal of Environmental Science and health, Part A, 2015, 50, 1386-1392. Taylor&Francis, **Web of Science - Impact Factor 1.164**
- 1.44. V. Jankuloska, G.Pavlovska, Obtaining refined sunflower eatable oil and quality control, Horizons, 2015, Year XI, Vol 2, series B, 29-39.
- 1.45. G.Pavlovska, V. Jankuloska, V. Antoska-Knighs, E. Stojanova, Differences in chemical parameters of cold pressed oil and refined cooking oil, *Macedonian Journal of Animals Science*, 2016, Vol.6, No 1, pp 47-50.
- 1.46. G. Pavlovska, V. Jankuloska, V. Stamatovska, Lead and Cadmium in apricots and peaches from areas of Veles, *Knowledge*, 2016, Vol.15.1, pp 439-443.
- 1.47. V. Jankuloska, G. Pavlovska, Survey of the public opinion of the citizens of Kicevo for consumption of food rich in fats and oil, Horizons, 2016, pp 27-36.
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- 1.51. V. Jankuloska, I. Karov, G. Pavlovska, Analysis of trifloxystrobin in golden delicious and idaret by liquid chromatography tandem mass spectrometry (LC/MS/MS), *Journal of Hygienic Engineering and Design*, 2017, Vol 20, 20-24.
- 1.52. Vezirka Jankuloska, Ilija Karov, Gorica Pavlovska, Tatjana Kalevska, Determination of fenbuconazole in apples (Golden delicious) from different location. 56th Annual Science Conference of Ruse University, Industry 4.0. Business Environmenet. Quality of Life. Reports Awarded with BEST PAPER Crystal Prize, 2017, pp. 215-218.
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2. PRESENTED SCIENTIFIC WORKS

- 2.1. G. Pavlovska, T. Stafilov, K. Čundeva, GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROMETRIC DETERMINATION OF LEAD IN FRESH WATER AFTER PRECIPITATE FLOTATION AS PRECONCENTRATION PROCEDURE, *8th Hungarian-Italian Symposium on Spectrochemistry, Book of Abstracts*, F152, Debrecen, 1997.
- 2.2. G. Pavlovska, K. Čundeva, T. Stafilov, PRECONCENTRATION OF COPPER(II) IN WATER SAMPLES BY PRECIPITATE FLOTATION USING IRON(III) HEXAMETHYLENEDITIONCARBAMATE AS COLLECTOR, *36th IUPAC Congress, Booklet of Late Abstracts*, AM-A20, Geneva, 1997.
- 2.3. G. Pavlovska, K. Čundeva, T. Stafilov, APPLICATION OF A NEW COLOID COLLECTOR FOR PRECIPITATE FLOTATION SEPARATION OF COBALT FROM FRESH WATER AND ITS DETERMINATION BY ATOMIC ABSORPTION SPECTROMETRY, *VIII Symposium on Instrumental and Analytical Spectrometry and Chromatography - SIAS '97, Program, AAS-9, Varna*, 1997.
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- 2.5. K. Čundeva, G. Pavlovska, T. Stafilov, ETAAS DETERMINATION OF NICKEL AFTER ITS FLOTATION WITH IRON(III) HEXAMETHYLENEDITHIOCARBAMATE, *3rd European Furnace Symposium, Book of Abstracts*, P/II 18, Prague, 1998.
- 2.6. T. Stafilov, G. Pavlovska, K. Čundeva, OPREDELUVAVE NA TE[KI METALI VO IZVORSKA VODA OD OKOLINATA NA SKOPJE, *I kongres na ekolozite na Makedonija so me|unarodno u~estvo, Kniga na apstrakti*, str. 116-117, Ohrid, 1998.
- 2.7. T. Stafilov, K. Čundeva, G. Pavlovska, DETERMINATION OF ZINC BY ATOMIC ABSORPTION SPECTROMETRY AFTER ITS COLLOID PRECIPITATE

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- 2.8. K. Čundeва, T. Stafilov, G. Pavlovska, IRON(III) HEXAMETHYLENEDITHIOCARBAMATE AS A NEW FLOTATION REAGENT FOR SEPARATION OF SILVER, *37th IUPAC Congress, Abstracts*, APP-2-138, p. 755, Berlin, 1999.
- 2.9. G. Pavlovska, K. Čundeва, T. Stafilov, OPTIMIZATION OF THE EXPERIMENTAL CONDITIONS FOR PRECONCENTRATION AND SEPARATION OF IRON BY COFLOTATION USING LEAD(II) HEXAMETHYLENEDITHIOCARBAMATE AS COLLECTOR, *XXXI Colloquium Spectroscopicum Internationale, Book of Abstracts*, PMO-29, Ankara, 1999.
- 2.10. K. Čundeва, T. Stafilov, G. Pavlovska, DETERMINATION OF TOTAL THALLIUM IN FRESH WATER BY ELECTROTHERMAL ATOMIC ABSORPTION SPECTROMETRY AFTER COLLOID PRECIPITATE FLOTATION, *XXXI Colloquium Spectroscopicum Internationale, Book of Abstracts*, PMO-43, Ankara, 1999.
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- 2.13. K. Čundeва, G. Pavlovska, T. Stafilov, ELECTROTHERMAL ATOMIC ABSORPTION SPECTROMETRIC DETERMINATION OF SILVER IN NATURAL WATER FOLLOWING PRECONCENTRATION BY LEAD(II) HEXAMETHYLENEDITHIOCARBAMATE, *4th European Graphite Furnace Symposium, Programme and Book of Abstracts*, I-41, p. 129, High Tatras-Podbanske, 2000.
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- 2.15. T. Stafilov, G. Pavlovska, K. Čundeва, PRECONCENTRATION AND SEPARATION OF CADMIUM BY COBALT(III) HEXAMETHYLENEDITHIOCARBAMATE AS A COLLECTOR BEFORE ITS DETERMINATION BY ATOMIC ABSORPTION SPECTROMETRY, *EUROANALYSIS XI, Book of Abstracts*, P-252, Lisbon, 2000.
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- 2.19. K. Cundeва, D. Zendelovska, G. Pavlovska, T. Stafilov, APPLICABILITY OF IRON(III) HEXAMETHYLENEDITHIOCARBAMATE AS COLLOID COLLECTOR FOR FLOTATION PRECONCENTRATION AND SEPARATION OF SOME TRACE ELEMENTS IN ARAGONITE BEFORE THEIR AAS DETERMINATION, *11st Black Sea Basin Conference on Analytical Chemistry, Programme and Book of Abstracts*, p. 14, Odessa, 2001.
- 2.20. T. Stafilov, G. Pavlovska, K. Čundeва, LEAD(II) AND COBALT(III) HEPTYLDITHIOCARBAMATES AS NEW COFLOTATION REAGENTS FOR PRECONCENTRATION OF CADMIUM BEFORE ITS ETAAS DETERMINATION, *1st Black Sea Basin Conference on Analytical Chemistry, Programme and Book of Abstracts*, p. 18, Odessa, 2001.
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- 2.22. D. Zendelovska, G. Pavlovska, K. Čundeва, T. Stafilov, FLOTACIONA I EKSTRAKCIONA SEPARACIJA NA KOBALT, BAKAR, OLOVO I NIKEL VO ARAGONIT I NIVNO OPREDELUVAVE SO ELEKTROTERMI^KA ATOMSKA ABSORPCIONA SPEKTROMETRIJA, *17 Kongres na hemi~arite i tehnoložite na Makedonija, Programa i apstrakti*, AHO-P1, Skopje, 2002.
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3. PARTICIPATION IN SCIENTIFIC RESEARCH PROJEKTS

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- 3.2. Concentration and determination of heavy metals in aqueous matrices, Skopje, 2000-2003
- 3.3. Development of new methods for heavy metals in water analysis, Turkish-Macedonian Intergovernmental S&T Cooperation, 2002-2003.
- 3.4. Phytoremediation of contaminated soil combined with bioenergy production, Macedonian-Chinese Scientific and Technological Cooperation, 2009-2010
- 3.5. The role of Faculty (of Technology and Technical Sciences-Veles) in creation of the University Center for training, implementation and maintenance of food safety and quality systems in the region, Tempus EAC/01/2009 -158714-TEPMUS 1-2009-Es-TEMPUS-JPHES, 2009-2010