

## KARTON NAUČNOG RADNIKA

Gvoić Vesna, Asistent sa doktoratom

Univerzitet u Novom Sadu i Pokrajinski sekretarijat za visoko obrazovanje i  
naučnoistraživačku delatnost



### 1. Osnovni podaci

Prezime	Gvoić		
Ime	Vesna		
APVNT broj	4416		
Godina rođenja	1986		
Mesto rođenja	Kikinda		
Država rođenja	Srbija		
Zvanje	Asistent sa doktoratom		
Titula	Doktor nauka-hemijske nauke	Dr	
E mail	kecic@uns.ac.rs		
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Ustanova	Fakultet tehničkih nauka u Novom Sadu		

### 2. Podaci o stečenim diplomama

Godina	Vrsta rada	Mesto	Ustanova	Naziv rada	Naučna oblast
2011	Diploma	Novi Sad	Prirodno-matematički fakultet u Novom Sadu	Hemijski sastav i biološke aktivnosti biljne vrste <i>Allium oleraceum</i>	Hemijske nauke
2012	Master rad	Novi Sad	Prirodno-matematički fakultet u Novom Sadu	Uticaj matriksa i doze ozona na promenu sadržaja prekursora odabranih dezinfekcionih nusprodukata u vodi	Hemijske nauke
2019	Doktorat	Novi Sad	Prirodno-matematički fakultet u Novom Sadu	Ispitivanje mogućnosti primene Fenton-procesa u tretmanu obojenih otpadnih voda grafičke industrije	Hemijske nauke

### 3. Podaci o izborima u zvanje

Godina	Naziv zvanja	R.br.	Ustanova	Naučna oblast
2019	Asistent sa doktoratom	1	Fakultet tehničkih nauka u Novom Sadu	Hemijske nauke
2017	Asistent-master	2	Fakultet tehničkih nauka u Novom Sadu	Hemijske nauke
2014	Asistent	1	Fakultet tehničkih nauka u Novom Sadu	Grafičko inženjerstvo i dizajn
2013	Saradnik u nastavi	2	Fakultet tehničkih nauka u Novom Sadu	Grafičko inženjerstvo i dizajn
2012	Saradnik u nastavi	1	Fakultet tehničkih nauka u Novom Sadu	Grafičko inženjerstvo i dizajn

### 4. Podaci o naučnim oblastima

R.br.	Naučna oblast
1	Hemijske nauke

## 5. Stručna biografija

Studije na Prirodno-matematičkom fakultetu u Novom Sadu, na Departmanu za hemiju, biohemiju i zaštitu životne sredine, upisuje 2005. godine, a 2011. godine stiče zvanje diplomirani hemičar - biohemija. Master studije na istom fakultetu odbranila je 2012. godine i stiče zvanje master analitičar zaštite životne sredine. Doktorske akademske studije na Prirodno-matematičkom fakultetu, studijski program hemija, upisuje 2013. godine, a doktorsku disertaciju pod nazivom „Ispitivanje mogućnosti primene Fenton-procesa u tretmanu obojenih otpadnih voda grafičke industrije“ brani 2019. godine i time stiče zvanje doktor nauka - hemijske nauke. Vesna Gvoić je zaposlena na Fakultetu tehničkih nauka, na Departmanu za grafičko inženjerstvo i dizajn od 2012. godine kao saradnik u nastavi, a 2014. godine bira se u zvanje asistenta. Od marta 2015. godine angažovana je kao istraživač u okviru projekta TR34014 „Karakterizacija kinetike i uticaja visoko hazardnih “emerging” polutanata otpadnih tokova grafičke industrije“, finansiranog od strane Ministarstva za obrazovanje, nauku i tehnološki razvoj Republike Srbije.



## 6. Produkcija - zbirni rezultati

### 6.1. Rezultati produkcije

Oznaka	Naziv kriterijuma produkcije	Broj	Poena
M13	Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	1	6.00
M21	Rad u vrhunskom međunarodnom časopisu	2	16.00
M21a	Rad u međunarodnom časopisu izuzetnih vrednosti	4	40.00
M22	Rad u istaknutom međunarodnom časopisu	1	5.00
M23	Rad u međunarodnom časopisu	1	3.00
M31	Predavanje po pozivu sa međunarodnog skupa štampano u celini	1	3.00
M33	Saopštenje sa međunarodnog skupa štampano u celini	23	23.00
M34	Saopštenje sa međunarodnog skupa štampano u izvodu	6	3.00
M51	Rad u vodećem časopisu nacionalnog značaja	11	22.00
M52	Rad u časopisu nacionalnog značaja	1	1.50
M53	Rad u naučnom časopisu	4	4.00
M63	Saopštenje sa skupa nacionalnog značaja štampano u celini	12	6.00
M64	Saopštenje sa skupa nacionalnog značaja štampano u izvodu	4	0.80
M71	Odbranjena doktorska disertacija	1	6.00
Ukupno		72	139.30

### 6.2. Učešće na projektima

Naziv vrste projekta	Broj
Ukupno	0

### 6.3. Vođenje teza

Naziv vrste teze	Broj
Ukupno	

### 6.4. Međunarodna saradnja

Država saradnje	Broj
Ukupno	0

### 6.5. Recenzije

	Broj
Ukupno	0

### 6.6. Uređivanje časopisa

Tip časopisa	Broj
Ukupno	0

## 7. Rezultati produkcije

### Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vode eg me unarodnog zna aja (1)

1. Kiurski J., Oros I., Gvoić V.: Print and Related Industry Air Quality, Chapter 23 in inComprehensive Analytical Chemistry Vol. 73 TheQuality of Air, Amsterdam, Elsevier, 2016, str. 623-654, ISBN 978-0-444-6360

### Spisak rezultata M21 - Rad u vrhunskom me unarodnom asopisu (2)

1. Kiurski J., Aksentijevic S., Oros I., Gvoić V., Kovačević I.: Multiple Regression Analysis as Indicator of Hazardous Organic Pollutants Interdependency in Pad Press Indoor Air, CLEAN - Soil Air Water, 2016, Vol. 44, No. 12, pp. 1605-1613, ISSN 1863-0650, UDK: DOI: 10.1002/clen.201400473
2. Kiurski J., Marić B., Oros I., Gvoić V.: The ecodesign practice in Serbian printing industry, Journal of Cleaner Production, 2017, Vol. 149, pp. 1200-1209, ISSN 0959-6526, UDK: DOI: 10.1016/j.jclepro.2017.02.193

### Spisak rezultata M21a - Rad u me unarodnom asopisu izuzetnih vrednosti (4)

1. Kiurski J., Marić B., Aksentijevic S., Oros I., Gvoić V., Kovačević I.: Indoor air quality investigation from screen printing industry, Renewable and Sustainable Energy Reviews, 2013, Vol. 28, pp. 224-231, ISSN 1364-0321, UDK: DOI: 10.1016/j.rser.2013.07.039
2. Kiurski J., Oros I., Gvoić V., Kovačević I., Aksentijević S.: The temporal variation of indoor pollutants in photocopying shop, Stochastic Environmental Research and Risk Assessment, 2016, Vol. 30, pp. 1289-1300, ISSN 1436-3240, UDK: DOI 10.1007/s00477-015-1107-4
3. Gvoić V., Kerkez Đ., Prica M., Lužanin O., Bečelić-Tomin M., Tomašević Pilipović D., Dalmacija B.: Optimization of azo printing dye removal with oak leaves-nZVI/H2O2 system using statistically designed experiment, Journal of Cleaner Production, 2018, Vol. 202, pp. 65-80, ISSN 0959-6526
4. Lončarski M., Gvoić V., Prica M., Cvetičanin L., Agbaba J., Tubić (rođ. Aleksić) A.: Sorption behavior of polycyclic aromatic hydrocarbons on biodegradable polylactic acid and various nondegradable microplastics: Model fitting and mechanism analysis, Science of the Total Environment, 2021, Vol. 785, ISSN 0048-9697

### Spisak rezultata M22 - Rad u istaknutom me unarodnom asopisu (1)

1. Kiurski J., Marić B., Aksentijević S., Oros I., Gvoić V.: Occupational hazards in printing industry, International Journal of Environmental Science and Technology, 2016, Vol. 13, No. 3, pp. 955-972, ISSN 1735-1472, UDK: DOI 10.1007/s13762-016-0937-z

### Spisak rezultata M23 - Rad u me unarodnom asopisu (1)

1. Kerkez Đ., Bečelić-Tomin M., Gvoić V., Dalmacija B.: Metal Nanoparticles in Dye Wastewater Treatment – Smart Solution for Clear Water, Recent Patents on Nanotechnology, 2021, ISSN 1872-2105

### Spisak rezultata M31 - Predavanje po pozivu sa me unarodnog skupa štampano u celini (1)

1. Kiurski J., Aksentijević S., Oros I., Gvoić V.: Indoor air emissions from photocopying, 7. 7th International Scientific Conference "Science and Higher Education in Function of Sustainable Development - SED 2014, Užice: VPTŠ Užice, 3-4 October, 2014, pp. 16-22, ISBN 978-86-83573-42-4

### Spisak rezultata M33 - Saopštenje sa me unarodnog skupa štampano u celini (23)

1. Đaković V., Anđelić G., Kiurski J., Oros I., Gvoić V.: Assesment Methods for Investment Projects in the Graphic Industry Sector: A Case Study of the Republic of Serbia, 6. PSU-UNS International Conference on Engineering and Technology - ICET, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, 15-17 May, 2013, pp. 1-4, ISBN 978-86-7892-510-8
2. Gvoić V., Aksentijevic S., Oros I., Kiurski J.: Indoor emission of prepress procesess, 15. Danube-Kris-Mures-Tisa (DKMT) Euroregion Conference on Environment and Health, Novi Sad: University of Novi Sad, Faculty of Technology, 16-17 May, 2013, pp. 181-186, ISBN 978-86-6253-019-6
3. Kiurski J., Oros I., Gvoić V., Vojinović-Miloradov M.: Identification of the main volatile hazards in pad press environments, 19. International Conference "Engineering for Environment Protection" – TOP, Časta-Papiernička: Slovak University of Technology in Bratislava, 11-13 June, 2013, pp. 133-137, ISBN 978-80227-3955-9



## 7. Rezultati produkcije

### Spisak rezultata M33 - Saopštenje sa meunarodnog skupa štampano u celini (23)

4. Kiurski J., Marić B., Ranogajec J., Oros I., Gvoić V.: The economic viability of clay in the adsorption separation of metal ions from waste printing developer, 21. The twentyfirst Annual International Conference on COMPOSITES/NANO ENGINEERING (ICCE - 21), Tenerife: International Community for Composites or Nano Engineering and University of La Laguna, Tenerife, Spain, 21-27 July, 2013, pp. 417-418
5. Kiurski J., Gvoić V., Oros I., Aksentijević S., Ralević N.: Indoor air quality in photocopying facility with statistical analysis, 19. International Symposium on Analytical and Environmental Problems, Szeged: SZAB, Szeged, Hungary, 23 September, 2013, pp. 161-164, ISBN 978-963-315-141-9
6. Kiurski J., Oros I., Gvoić V., Đaković V., Anđelić G.: The influence of water hardness on fountain solution quality, 19. International Symposium on Analytical and Environmental Problems, Szeged: SZAB, Szeged, Hungary, 23 September, 2013, pp. 165-168, ISBN 978-963-315-141-9
7. Kiurski J., Ranogajec J., Vučinić-Vasić M., Gvoić V., Oros I.: The efficiency of clayey pellets for Zn(II) ions removal from a waste printing developer, 12. 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Physical Chemistry 2014, Beograd: Society of Physical Chemists of Serbia, 22-26 September, 2014, pp. 889-892, ISBN 978-86-82475-30-9
8. Kiurski J., Aksentijević S., Oros I., Gvoić V.: Mutual influence of the indoor pollutants during photocopying process, 12. 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Physical Chemistry 2014, Beograd: Society of Physical Chemists of Serbia, 22-26 September, 2014, pp. 893-896, ISBN 978-86-82475-30-9
9. Kiurski J., Aksentijević S., Oros I., Gvoić V.: The influence of microclimates parameter on perchlorethylen during photocopying process, 20. 20th International Symposium on Analytical and Environmental Problems, Szeged: SZAB, Szeged, Hungary, 22 September, 2014, pp. 47-50, ISBN 978-963-12-1161-0
10. Kiurski J., Ranogajec J., Gvoić V., Oros I.: The feasibility of clayey adsorbent for copper ion removal from waste printing developer, 20. 20th International Symposium on Analytical and Environmental Problems, Szeged: SZAB, Szeged, Hungary, 22 September, 2014, pp. 43-46
11. Đaković V., Kiurski J., Anđelić G., Gvoić V.: Modern Management Trends in Printing Industry - Environmental Challenges: A Case Study in Republic of Serbia, 20. 20th International Symposium on Analytical and Environmental Problems, Szeged: SZAB, Szeged, Hungary, 22 September, 2014, pp. 51-54, ISBN 978-963-12-1161-0
12. Kiurski J., Ranogajec J., Gvoić V., Rudić O., Oros I.: Adsorption capacity of clayey pellets as the function of the particle size distribution, 1. International Conference on Engineering and Applied Sciences Optimization, Kos: National Technical University of Athens (NTUA), Greece, 4-6 June, 2014, pp. 2907-2917, ISBN 978-960-99994-6
13. Kiurski J., Ranogajec J., Gvoić V., Oros I.: Unfired Clayey Pellets as the Adsorbents for Metal Ions Removal from a Waste Printing Developer, 21. Symposium on Analytical and Environmental Problems, Szeged: SZAB, Szeged, Hungary, 28 September, 2015, pp. 205-208, ISBN 978-963-306-411-5
14. Kiurski J., Oros I., Gvoić V., Aksentijević S.: Statistical Interpretation of Carbon Dioxide Emission in the Photocopying Process, 21. Symposium on Analytical and Environmental Problems, Szeged: SZAB, Szeged, Hungary, 28 September, 2015, pp. 209-212, ISBN 978-963-306-411-5
15. Aksentijević S., Kiurski J., Gvoić V., Oros I.: Cadmium in Industrial Wastewater, 21. Symposium on Analytical and Environmental Problems, Szeged: SZAB, Szeged, Hungary, 28 September, 2015, pp. 213-216, ISBN 978-963-306-411-5
16. Kiurski J., Aksentijević S., Oros I., Gvoić V.: Application of two-way Anova on carbon monoxide emission during photocopying process, 8. International Conference Science and higher education in function of sustainable development, Užice: VPTŠ, Užice, 2-3 October, 2015, pp. 1-6
17. Gvoić V., Prica M., Kerkez Đ., Bečelić-Tomin M., Kulić Mandić A., Leovac Maćerak A., Dalmacija B.: Application of a definitive screening design to Magenta dye degradation by homogeneous Fenton process, 13. International Scientific Conference "Flexible Technologies" - MMA, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, 28-29 September, 2018, pp. 331-334, ISBN 978-86-6022-094-5
18. Gvoić V., Prica M., Kerkez Đ., Lužanin O., Bečelić-Tomin M., Tomašević Pilipović D., Leovac Maćerak A.: Definitive screening design for the optimization of flexographic water-based cyan dye removal from aqueous solution by nZVI-induced Fenton process, 9. INTERNATIONAL Symposium on Graphic Engineering and Design GRID, Novi Sad, 8-10 November, 2018, pp. 161-167, ISBN 978-86-6022-115-7
19. Kulić Mandić A., Bečelić-Tomin M., Kerkez Đ., Pucar G., Gvoić V., Prica M.: Examination of the application possibilities of waste red mud in treatment of colored effluent, 9. INTERNATIONAL Symposium on Graphic Engineering and Design GRID, Novi Sad, 8-10 November, 2018, pp. 175-180, ISBN 978-86-6022-115-7



## 7. Rezultati produkcije

### Spisak rezultata M33 - Saopštenje sa meunarodnog skupa štampano u celini (23)

20. Kerkez Đ., Bečelić-Tomin M., Pucar G., Gvoić V., Kulić Mandić A., Leovac Maćerak A., Tomašević Pilipović D.: Treatment of wastewater containing printing dyes: summary and perspectives, 10. INTERNATIONAL Symposium on Graphic Engineering and Design GRID, Novi Sad: UNIVERSITY OF NOVI SAD, FACULTY OF TECHNICAL SCIENCES, DEPARTMENT OF GRAPHIC ENGINEERING AND DESIGN 21000 Novi Sad, Trg Dositeja Obradovića 6, 12-14 November, 2020, pp. 289-295, ISBN 978-86-6022-303-8
21. Gvoić V., Prica M., Kerkez Đ., Lužanin O., Kulić Mandić A., Bečelić-Tomin M., Tomašević Pilipović D.: Fenton-like oxidation of flexographic water-based Key (Black) dye: A definitive screening design optimization, 10. INTERNATIONAL Symposium on Graphic Engineering and Design GRID, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department of Graphic Engineering and Design, 12-14 November, 2020, pp. 235-242, ISBN 978-86-6022-303-8
22. Prica M., Tubić (rođ. Aleksić) A., Lončarski M., Gvoić V., Vasiljević S., Pavlović Ž., Agbaba J.: Application of advanced oxidation process for the removal of synthetic water-based printing dye and microplastics from aqueous solution, 10. INTERNATIONAL Symposium on Graphic Engineering and Design GRID, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department of Graphic Engineering and Design, 12-14 November, 2020, pp. 243-249, ISBN 978-86-6022-303-8
23. Gvoić V., Prica M., Kerkez Đ., Petrović (Đogo) M., Kulić Mandić A., Bečelić-Tomin M., Dalmacija B.: Oxidative degradation of Black azo printing dye with homogeneous Fenton treatment and its optimization by definitive screening design, 12. Eastern European Young Water Professionals Conference, Riga, 31-2 March, 2021, pp. 149-156

### Spisak rezultata M34 - Saopštenje sa meunarodnog skupa štampano u izvodu (6)

1. Kiurski J., Oros I., Ranogajec J., Gvoić V.: Novel adsorbent applicability for decontamination of printing wastewater, 1. European Geosciences Union General Assembly 2013, Vienna: European Geosciences Union, 7-12 April, 2013
2. Kiurski J., Gvoić V., Oros I., Anđelić G., Đaković V.: Pollutants emission during the printing on collagen casings for meat products, 8. 8th International Conference of the Chemical Societies of the South-East European Countries, ICOSECS 8, Beograd: Serbian Chemical Society, 27-29 June, 2013, pp. 249-249, ISBN 978-86-7132-053-5
3. Oros I., Kiurski J., Gvoić V., Obadović D.: Correlation between internal structure and spectral behavior of carbon black as indicator of ink aging process, 20. 20th International Conference on Environmental Indicators, ICEI 2013, Trier: Trier University, Germany, 16-19 September, 2013, pp. 86-86
4. Kiurski J., Ranogajec J., Oros I., Gvoić V.: COPPER ION ADSORPTION IN WASTE PRINTING DEVELOPER BY CLAY MATERIALS, 1. International Scientific Conference "Sustainable Solutions to Wastewater Management" (WASTEnet), Kavala: WASTEnet Project, co-funded by EU and National Funds, 19-21 June, 2015, pp. 16-16
5. Mihajlović I., Sremački M., Novaković M., Živančev (Šenk) N., Gvoić V., Spanik I., Petrović (Đogo) M.: Identification of Pesticides in Wetland Water, 12. Eastern European Young Water Professionals Conference, Riga: Riga Technical University, 31-2 March, 2021, pp. 228-229, ISBN 978-9934-22-618-2
6. Leovac Maćerak A., Kerkez Đ., Beara (rođ. Krstić) I., Bečelić-Tomin M., Tomašević Pilipović D., Gvoić V., Pešić V.: Applicability of definitive screening design in wastewater sludge dewatering via homogenous Fenton process catalyzed with green synthesized nano zero valent iron (nZVI), 48. IUPAC CCCE 2021 Virtual - 48th World Chemistry Congress & 104th Canadian Chemistry Conference and Exhibition "Solving global challenges with Chemistry", Ottawa, 13-20 August, 2021

### Spisak rezultata M51 - Rad u vode em asopisu nacionalnog znaaja (11)

1. Kiurski J., Gvoić V., Oros I., Ranogajec J.: Ammonia release during photocopying operations, Proceedings of World Academy of Science, Engineering and Technology, 2014, Vol. 8, No. 4, pp. 692-696, ISSN 1307-6884
2. Kiurski J., Aksentijević S., Oros I., Gvoić V., Petrović (Đogo) M.: Ketones emission during pad printing process, Proceedings of World Academy of Science, Engineering and Technology, 2014, Vol. 8, No. 5, pp. 1034-1037, ISSN 1307-6884
3. Kiurski J., Oros I., Gvoić V., Kovačević I., Aksentijević S.: The Statistical Significant of Adsorbents for Effective Zn(II) Ions Removal, Proceedings of World Academy of Science, Engineering and Technology, 2014, Vol. 8, No. 7, pp. 937-939, ISSN 1307-6884



## 7. Rezultati produkcije

### Spisak rezultata M51 - Rad u vode em asopisu nacionalnog zna aja (11)

4. Kiurski J., Ranogajec J., Oros I., Gvoić V.: The Influence of Clayey Pellet Size on Adsorption Efficiency of Metal Ions Removal from Waste Printing Developer, Proceedings of World Academy of Science, Engineering and Technology, 2015, Vol. 13, No. 3, pp. 12-15, ISSN 1307-6884
5. Kiurski J., Aksentijević S., Gvoić V., Oros I.: Non-Methane Hydrocarbons Emission During The Photocopying Process, Proceedings of World Academy of Science, Engineering and Technology, 2015, Vol. 17, No. 5, pp. 470-473, ISSN 1307-6884
6. Kiurski J., Ranogajec J., Gvoić V., Oros I.: The Purification of Waste Printing Developer with the Fixed Bed Adsorption Column, Proceedings of World Academy of Science, Engineering and Technology, 2016, Vol. 18, No. 1-XII, pp. 1949-1952, ISSN 1307-6884
7. Kiurski J., Ranogajec J., Gvoić V.: Adsorption efficiency of fired clay materials in removal of copper ion from printing developer waste, Water Utility Journal, 2016, Vol. 14, pp. 47-54, ISSN 1792-748X
8. Kiurski J., Gvoić V., Aksentijević S.: Indoor Air Pollution in the Flexographic Printing Environment, Proceedings of World Academy of Science, Engineering and Technology, 2016, Vol. 18, No. 4, pp. 1276-1281, ISSN 1307-6884
9. Kiurski J., Gvoić V., Aksentijević S.: Quality Parameters of Offset Printing Wastewater, Proceedings of World Academy of Science, Engineering and Technology, 2016, Vol. 10, No. 7, pp. 1596-1601, ISSN 1307-6884
10. Kiurski J., Gvoić V., Oros I.: Statistically Significant Differences of Carbon Dioxide and Carbon Monoxide Emission in Photocopying Process, WASET International Journal of Social Sciences, 2016, Vol. 18, No. 3, pp. 2277-2281, ISSN 1306-973X
11. Gvoić V., Prica M., Kerkez Đ., Bečelić-Tomin M., Kulić Mandić A., Leovac Mačerak A., Dalmacija B.: Oxidative degradation of Cyan flexo dye with heterogeneous Fenton reagent - Fe<sub>2</sub>(MoO<sub>4</sub>)<sub>3</sub> particle, Acta Periodica Technologica, 2019, Vol. 50, pp. 77-85, ISSN 1450-7188, UDK: 667.52:628.613.12

### Spisak rezultata M52 - Rad u asopisu nacionalnog zna aja (1)

1. Kulić Mandić A., Bečelić-Tomin M., Kerkez Đ., Pucar G., Gvoić V., Leovac Mačerak A.: Preliminarna ispitivanja upotrebe modifikovanih otpadnih materijala u heterogenom Fenton procesu, Voda i sanitarna tehnika, 2019, No. 5-6, pp. 13-15, ISSN 0350-5049, UDK: 628.112:669.018.674

### Spisak rezultata M53 - Rad u nau nom asopisu (4)

1. Došenović M., Gvoić V., Kiurski J.: Korelacija između formaldehida i ozona u sito štampi, Zbornik radova Fakulteta tehničkih nauka, 2013, Vol. 28, No. 4, pp. 523-526, ISSN 0350-428X
2. Novic I., Kiurski J., Gvoić V.: Emisija aeropolutanata u fotokopirnici, Zbornik radova Fakulteta tehničkih nauka, 2014, Vol. 29, No. 3, pp. 602-605, ISSN 0350-428X, UDK: 628.045:655
3. Gvoić V., Kerkez Đ., Prica M., Rapajić S., Leovac Mačerak A., Bečelić-Tomin M., Tomašević Pilipović D.: Optimization of Cyan flexo dye removal by nano zero-valent iron using response surface methodology, Journal of Graphic Engineering and Design, 2017, Vol. 8, No. 2, pp. 35-45, ISSN 2217-379X
4. Gvoić V., Kerkez Đ., Prica M., Bečelić-Tomin M., Leovac Mačerak A., Tomašević Pilipović D., Dalmacija B., Novaković D.: Application of nZVI nanoparticles for the dye removal of aqueous solution in flexographic water-based Cyan dye, Celuloza si Hartie, 2017, Vol. 66, No. 4, pp. 24-29, ISSN 1220-9848

### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog zna aja štampano u celini (12)

1. Kiurski J., Gvoić V., Oros I.: The statistically significant differences of NO<sub>2</sub> emissions in the photocopying environment, 52. Meeting of the Serbian Chemical Society, Novi Sad: Serbian Chemical Society, 29-30 Maj, 2015, pp. 67-70
2. Đuričić M., Kiurski J., Aksentijević S., Gvoić V.: USPEŠNOM MEĐUNARODNOM SARADNJOM DO UNAPREĐENJA STUDIJA TURIZMA U SRBIJI, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 16-19 Februar, 2016, pp. 164-167, ISBN 978-86-7892-795-9
3. Adamović (Majkić) S., Prica M., Gvoić V., Novaković D., Petrović S., Bošnjaković G., Đurđević S.: Uklanjanje hroma iz otpadnog ofset razvijача primenom zeolita, 14. Zaštita na radu – Put uspešnog poslovanja, Divčibare: Savez zaštite na radu Srbije, 4-7 Oktobar, 2017, pp. 157-166, ISBN 978-86-919221-2-2





## 7. Rezultati produkcije

### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini (12)

- Gvoić V., Prica M., Kerkez Đ., Bečelić-Tomin M., Tomašević Pilipović D., Leovac Maćerak A., Pavlović Ž., Rapajić S.: Tretman vodenog rastvora cijan flekso grafičke boje primenom nano nula valentnog gvožđa, 11. Naučna konferencija sa međunarodnim učešćem (ETIKUM), Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Departman za proizvodno mašinstvo, 6-8 Decembar, 2017, pp. 181-184, ISBN 978-86-6022-00-68
- Gvoić V., Kerkez Đ., Prica M., Rapajić S., Bečelić-Tomin M., Leovac Maćerak A., Petrović S.: Purification of Magenta dye aqueous solution with Fenton-like oxidation process, 23. International Symposium on Analytical and Environmental Problems, Szeged: University of Szeged, Department of Inorganic and Analytical Chemistry, 9-10 Oktobar, 2017, pp. 356-360, ISBN 978-963-306-563-1
- Gvoić V., Kerkez Đ., Prica M., Bečelić-Tomin M., Kulić Mandić A., Leovac Maćerak A., Dalmacija B.: Optimization of homogeneous Fenton process using definitive screening design applied for flexographic printing wastewater, 24. International Symposium on Analytical and Environmental Problems, Szeged: University of Szeged, H-6720 Szeged, Dugonics tér 13, Hungary, 8-9 Oktobar, 2018, pp. 144-147, ISBN 978-963-306-623-2
- Gvoić V., Kerkez Đ., Prica M., Bečelić-Tomin M., Tomašević Pilipović D., Leovac Maćerak A., Rapajić S.: Tretman vodenog rastvora magenta grafičke boje primenom nZVI-Fenton procesa, 6. Memorijalni naučni skup iz zaštite životne sredine „Docent dr Milena Dalmacija“, Novi Sad: Univerzitet u Novom Sadu, Prirodno-matematički fakultet, Departman za hemiju, biohemiju i zaštitu životne sredine i Fondacija Docent dr Milena Dalmacija, 29-30 Mart, 2018, ISBN 978-86-7031-493-1
- Gvoić V., Prica M., Agarski B., Kerkez Đ., Bečelić-Tomin M., Tomašević Pilipović D., Dalmacija B.: Ocenjivanje životnog ciklusa nano nula valentnog gvožđa sintetisanog iz ekstrakta lišća hrasta, 12. International Scientific Conference ETIKUM, Novi Sad: Fakultet tehničkih nauka, 6-8 Decembar, 2018, pp. 169-172, ISBN 978-86-6022-123-2
- Gvoić V., Kerkez Đ., Prica M., Bečelić-Tomin M., Kulić Mandić A., Leovac Maćerak A.: Degradacija magenta grafičke boje primenom  $Fe_2(MoO_4)_3$  kao heterogenog Fenton katalizatora, 7. Memorijalni naučni skup iz zaštite životne sredine „Docent dr Milena Dalmacija“, Novi Sad: Prirodno-matematički fakultet, 1-2 April, 2019, ISBN 978-86-7031-510-5
- Gvoić V., Prica M., Kerkez Đ., Bečelić-Tomin M., Kulić Mandić A., Leovac Maćerak A., Dalmacija B.: Characterization and kinetic study of Magenta printing effluent after homogeneous Fenton treatment, 25. International Symposium on Analytical and Environmental Problems (ISAEP), Szeged: University of Szeged, H-6720 Szeged, Dugonics tér 13, Hungary, 7-8 Oktobar, 2019, pp. 141-145, ISBN 978-963-306-702-4
- Gvoić V., Lončarski M., Tubić (rođ. Aleksić) A., Vasiljević S., Krčmar D., Agbaba J., Prica M.: Adsorption kinetics and mechanism analysis of Cyan printing dye on polyethylene microplastics, 26. International Symposium on Analytical and Environmental Problems, Szeged: University of Szeged, H-6720 Szeged, Dugonics tér 13, Hungary, 23-24 Novembar, 2020, pp. 147-151, ISBN 978-963-306-771-0
- Jokić Govedarica J., Tomašević Pilipović D., Gvoić V., Slijepčević N., Leovac Maćerak A., Kerkez Đ.: Optimizacija uklanjanja olova iz sintetičkog vodenog matriksa primenom statističkog modela DSD, 8. Memorijalni naučni skup iz zaštite životne sredine „Docent dr Milena Dalmacija“, Novi Sad: Prirodno-matematički fakultet, 1-2 April, 2021, ISBN 978-86-7031-567-9

### Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu (4)

- Kiurski J., Oros I., Gvoić V., Vojinović-Miloradov M., Aksentijević S.: Isopropyl alcohol in manual screen printing environment, 6. 6. simpozijum Hemija i zaštita životne sredine EnviroChem 2013, sa međunarodnim učešćem, Vršac: Srpsko hemijsko društvo, 21-24 Maj, 2013, pp. 354-355, ISBN 978-86-7132-052-8
- Kiurski J., Oros I., Gvoić V., Aksentijević S.: Nitrogen dioxide emission in photocopying process, 7. Simpozijum Hemija i zaštita životne sredine, Palić: Serbian Chemical Society, 9-12 Jun, 2015, pp. 290-291, ISBN 978-86-7132-058-0
- Kiurski J., Ranogajec J., Gvoić V., Oros I.: Prediction of optimal adsorption isotherm parameters by using nonlinear model approach, 7. Simpozijum Hemija i zaštita životne sredine, Palić: Serbian Chemical Society, 9-12 Jun, 2015, pp. 385-386, ISBN 978-86-7132-058-0
- Aksentijević S., Kiurski J., Gvoić V., Oros I.: Ispitivanje pH zemljišta, 7. Simpozijum Hemija i zaštita životne sredine, Palić: Serbian Chemical Society, 9-12 Jun, 2015, pp. 160-161, ISBN 978-86-7132-058-0

### Spisak rezultata M71 - Odbranjena doktorska disertacija (1)



## 7. Rezultati produkcije

### Spisak rezultata M71 - Odbranjena doktorska disertacija (1)

1. Gvoić V.: Ispitivanje mogućnosti primene Fenton-procesa u tretmanu obojenih otpadnih voda grafičke industrije, Novi Sad, Univerzitet u Novom Sadu, Prirodno-matematički fakultet, 2019, str. 1-189



## 8. Učešće na projektima



## 9. Vođenje teza

R.br.	Kandidat	Naziv rada
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### 10. Međunarodna saradnja

R.br.	Opis saradnje	Od	Do	Ko je saradivao		
R.br.	Institucija	Mesto	Država			
1	CIII-RS-0704-05-1617 - Research and Education in the Field of Graphic Engineering and Design, University of Nova Gorica, School of Environmental Sciences	14.03.2017	04.05.2017			
2	CIII-RS-0704-05-1617 - Research and Education in the Field of Graphic Engineering and Design, J.J. Strossmayer University in Osijek, Mechanical Engineering Faculty in Slavonski Brod	08.05.2017	08.06.2017			
3	CIII-RS-0704-06-1718 - Research and Education in the Field of Graphic Engineering and Design, Slovak University of Technology in Bratislava, Department of Graphic Arts Technology and Applied Photochemistry, Institute of Natural and Synthetic Polymers, Faculty of Chemical and Food Technology	09.04.2018	30.04.2018			
4	CIII-RS-0704-06-1718 - Research and Education in the Field of Graphic Engineering and Design, University of Nova Gorica, School of Environmental Sciences	07.05.2018	07.06.2018			
5	CIII-RS-0704-07-1819 - Research and Education in the Field of Graphic Engineering and Design, University of Nova Gorica, School of Environmental Sciences	25.02.2019	23.03.2019			



## 12. Uređivanje časopisa

R.br.	Uloga	Od	Do	Opis	Naziv časopisa	Kriterijum produkcije
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