

# Curriculum Vitae

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### ADDRESS

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### PERSONAL DATA

Date of birth: January 25, 1971 (Nis, Serbia)

### EDUCATION

B. Sc.	Faculty of Philosophy	University of Niš	1994
M. Sc.	Faculty of Sciences and Mathematics	University of Niš	2000
Ph.D.	Faculty of Sciences and Mathematics	University of Niš	2006

**Master Thesis:** *Characterisation of terrestrial humic acid isolated by modified method*, University of Niš, 2000 (Supervisor: Jelica Perović)

**PhD Thesis:** *Oxygen-containing functional groups of humic acid related to its acid-base and complexometric properties*, University of Niš, 2006 (Supervisor: Jelica Perović)

### PROFESSIONAL EXPERIENCE

University of Niš	Faculty of Philosophy - Institut for social researches	Research assistant	1995 – 1995
University of Niš	Faculty of Philosophy	Junior Teaching Assistant	1995 – 2000
University of Niš	Faculty of Sciences and Mathematics	Teaching Assistant	2000 – 2007
University of Niš	Faculty of Sciences and Mathematics	Assistant Professor	2007 – 2012
University of Niš	Faculty of Sciences and Mathematics	Associate Professor	2012 – 2015
University of Niš	Faculty of Sciences and Mathematics	Full Professor	2015 – present

### PROFESSIONAL POSITIONS

- Vice-Dean for Quality Assurance, Faculty of Sciences and Mathematics, University of Niš (2013 – 2015, 2015 – present)
- Vice-Head for Quality Assurance Center, University of Niš (2013 – 2015, 2015 – present)
- Member of University Council, University of Niš (2017 – 2019)
- Member of Ethical Committie, University of Niš (2013 – 2016)
- Person in charge for Mass Spectrometry Laboratory at Faculty of Science and Mathematics University of Niš (2008 – present)
- Authorized Person of NGO Aqualeer – Serbia (2011 – present)
- Member of Chemical-ecological Center of town Niš (2008 – present)

## **TEACHING ACTIVITIES**

### **Graduate academic studies:**

Environmental Chemistry  
Pollutants and Environmental Protection  
Chemistry of water and soil  
Chemistry teaching methods  
School Practicum

### **Doctoral studies:**

Environmental Soil Chemistry  
Humic Substances in the Environment  
Selected topics in Environmental Chemistry

## **RESEARCH SPECIALITY**

**Main:** Environmental Pollutants Detection (pesticides and xenobiotics); Soil analysis; Soil organic matter; Properties, isolation and characterisation of aquatic and terrestrial humic substances as well as their complexing properties.

**Other:** Environmental analysis of water, soil and air; chemistry teaching methodologies.

## **RESEARCH EXPERIENCE**

**Postdoctoral:** Won grant from Serbian Ministry for Science for postdoc scholarship in 2011, at University Pierre and Marie Curie, Paris, France, for scientific project: *Oxidative metabolites of DEHP as urinary biomarkers of human exposure to phthalates from milk and milk products*.

**International projects:** Bilateral Scientific Cooperation CNRS-France/MSTD-Serbia (Call 2010) *Heavy Metals Geochemical Modeling and Speciation in Groundwater and Soil using Soft Ionization Mass Spectrometry*.

### **National projects:**

- *Development and application of a catalytic reactor system for the construction and purification of waste paints in the fabric finishing technology in D.P. NITEKS Niš - I 3.1231 (1996-1997)*  
Funded by: Ministry of Science and Technological Development, Republic of Serbia
- *A new procedure for the separation of copper, the decomposition of ammonia and other harmful materials from the waste electrolytes of the basic ammonia complex of copper and acid copper (I) and (II) chloride* Ei Printed cart - I 3.1791 (1998-1999)  
Funded by: Ministry of Science and Technological Development, Republic of Serbia
- *Contemporary trends in the development of new methods of staining in order to achieve optimum ecological impact on the environment* (1998-2000)  
Funded by: Ministry of Science and Technological Development, Republic of Serbia
- *Innovation, monitoring and reconstruction of technical and technological system for purification of alkaline, cyanide and acid waste water containing Cr, Ni, Cu, Zn, Sn and Cd* (2002-2004)  
Funded by: Ministry of Science and Technological Development, Republic of Serbia
- *Improvement of chemical and technological processes and reconstruction of existing systems in the production of audio electronic tubes* (2005-2007)  
Funded by: Ministry of Science and Technological Development, Republic of Serbia
- *Preventive, therapeutic, and ethical approaches in clinical and researches of gene and redox cell signaling modulator in immune, inflammatory and proliferative cell response* (2011-present)  
Funded by: Ministry of Science and Technological Development, Republic of Serbia
- *Production of new dietary milk products for risk populations based on qualitative and quantitative analysis of health risk markers of milk consumption* (2011-present)  
Funded by: Ministry of Education and Science, Republic of Serbia

## **TEACHING PROJECTS**

- TEMPUS, 511044-Tempus-1-2010-1-UK-Tempus-JPCR: *Modernisation of Post-Graduate Studies in Chemistry and Chemistry Related Programmes* (2010-2013)  
(Local coordinator for University of Niš)
- TEMPUS, 544482-Tempus-1-2013-1-IT-Tempus-JPHES: *Blending academic and entrepreneurial knowledge in technology enhanced learning* (2013-2016)  
(Member staff for University of Niš)
- ERASMUS, 573885-EPP-1-2016-1-RS-EPPKA2-CBHE-JP: *ICT Networking for Overcoming Social and Technical Barriers in Instrumental Analytical Education* (2016 – present)  
(Project coordinator)

## **PROJECTS OF SCIENCE POPULARIZATION**

- Accredited program of continuous education: „Hemija gasova u nastavi, prirodi i industriji“, Trajanje projekta: 2009/2010 i 2010/2011, Vrsta angažovanja: Rukovodilac, autor i realizator
- Accredited program of continuous education: „Planeta Zemlja: minerali, stene, rude – od pojave do rudnog bogatstva“, Trajanje projekta: 2010-2011, Vrsta angažovanja: Autor i realizator
- Bilateralna saradnja između Univerziteta u Nišu i Univerziteta „Pjer i Marija Kiri“ u Parizu, Trajanje: 2008-2013, 2013-2018, Vrsta angažovanja: koordinator saradnje
- Program Partnerstvo za obrazovanje i razvoj zajednice (PECD) – Niš: „Razvoj Hemijsko-ekološkog centra Grada Niša“, Trajanje projekta: 2009-2010. Vrsta angažovanja: Rukovodilac projekta
- Program Partnerstvo za obrazovanje i razvoj zajednice (PECD) – Niš: „Ekomonitoring Niša 2011-2012“. Trajanje projekta: 2011-2012. Vrsta angažovanja: Rukovodilac projekta
- Program promocije i popularizacije nauke: „Masena spektrometrija, osnove i primena“, Trajanje projekta: 2010. Vrsta angažovanja: realizator
- Program promocije i popularizacije nauke: „Čovekova okolina pod lupom hemije“. Trajanje projekta: 2011. Vrsta angažovanja: realizator
- Međunarodni skup „Škola masene spektrometrije“. Trajanje projekta: organizovano 10 škola od 2008 do 2019. Vrsta angažovanja: Organizator
- EU projekat H2020-MSCA-NIGHT-633376: Manifestacija “Noć istraživača”. Trajanje: 26.09.2014. Vrsta angažovanja: realizator

## **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

- Serbian Chemical Society
- International Humic Substances Society

## **REFEREEING AND REVIEWING**

Analytical Letters, Journal of Serbian Chemical Society, Water Science and Technology

## **AWARDS**

Serbian Chemical Society Award for 4th best student at Faculty of Philosophy – Department of Chemistry (1993/94).

## **SUPERVISED PHD THESES AND SPECIALIZATIONS**

1. Milica Ristić, Specijacija hroma u zemljištu i infiltracionim vodama korišćenjem geohemijskog modela MINTEQ, Univerzitet u Nišu, 2010
2. Ivana Kostić, Interakcija M(II) jona metala prelazne serije elemenata sa O-donor vezivnim mestima huminskih kiselina i njihovih model supstanci, Univerzitet u Nisu, 2013

## BOOKS

- J. Perović, T. Andđelković, Detekcija zagadivača, praktikum sa radnom sveskom, Prirodno-matematicki fakultet, Niš (2000).
- S. Rančić, T. Andđelković, Metodika nastave hemije sa metodologijom, Prirodno-matematicki fakultet, Niš (2007).
- S. Rančić, T. Andđelković, Analitička hemija životne sredine, Prirodno-matematicki fakultet, Niš (2010).

## RESEARCH PUBLICATIONS

1. Bojic AL, Bojic DV, **Andjelkovic TD** (2009) *Removal of Cu<sup>2+</sup> and Zn<sup>2+</sup> from model wastewaters by spontaneous reduction-coagulation process in flow conditions*, Journal of Hazardous Materials 168 (2-3), 813-819. IF (2009) 4.360.  
<http://www.sciencedirect.com/science/article/pii/S0304389409002969>
2. Kocic G., Pavlovic R., Nikolic G., Veljkovic A., Panseri S., Chiesa L.M., **Andjelkovic T.**, Jevtovic Stoimenov T., Sokolovic D., Cvetkovic T., Stojanovic S., Kocic H., Nikolic R. (2014) *Effect of commercial or depurinized milk on rat liver growth-regulatory kinases, nuclear factor-kappa B, and endonuclease in experimental hyperuricemia: Comparison with allopurinol therapy*, Journal of Dairy Science, 97 (7), 4029-4042. IF (2013) 3.080.  
<http://dx.doi.org/10.3168/jds.2013-7416>
3. Purenović M., Perović J., Bojić A., **Andđelković T.**, Bojić D. (2004) *Cu and Cd removal from wastewater by microalloyed aluminium based composite*, Environmental Chemistry Letters 2 (2), 59-63. IF (2006) 0.814.  
<http://www.springerlink.com/content/0rb889gngytajd0/>
4. **T. Andjelkovic**, J. Perovic, M. Purenovic, S. Blagojevic, R. Nikolic, D. Andjelkovic, A. Bojic (2006) *Spectroscopic and Potentiometric Studies on Derivatized Natural Humic Acid*, Analytical Sciences 22 (12), 1553-1558. IF (2006) 1.589.  
<http://www.ncbi.nlm.nih.gov/pubmed/17159314>
5. Bojić A, Purenović M, Bojić D and **Andđelković T** (2007) *Dehalogenation of trihalomethanes by a microalloyed aluminium composite under flow conditions*, Water SA 33 (2), 297-304. IF (2007) 1.120.  
[http://www.wrc.org.za/Knowledge%20Hub%20Documents/Water%20SA%20Journals/Manuscripts/2007/02/WaterSA\\_2007\\_02\\_2071.pdf](http://www.wrc.org.za/Knowledge%20Hub%20Documents/Water%20SA%20Journals/Manuscripts/2007/02/WaterSA_2007_02_2071.pdf)
6. **Tatjana Andđelković**, Ružica Nikolić, Aleksandar Bojić, Darko Andđelković, Goran Nikolić (2010) *Binding of cadmium to soil humic acid as a function of carboxyl group content*, Macedonian Journal of Chemistry and Chemical Engineering 29 (2), 215-224. IF (2011) 1.079.  
<http://www.mjcce.org.mk/index.php/MJCCE/article/view/168>
7. Veselinović Aleksandar M., Bojić Aleksandar Lj., Purenović Milovan M., Nikolić Goran M., **Andđelković Tatjana D.**, Dačić Stefan D., Bojić Danijela V. (2010) *Investigation of the parametar influences of UV/H<sub>2</sub>O<sub>2</sub> process on humic acid degradation*, Hemijska industrija 64 (4), 265-273. IF (2011) 0.205.  
<http://www.doiserbia.nb.rs/Article.aspx?id=0367-598X1000036V>

8. Ivana Kostić, **Tatjana Andđelković**, Ružica Nikolić, Aleksandar Bojić, Milovan Purenović, Srđan Blagojević and Darko Andđelković (2011) *Copper(II) and lead(II) complexation by humic acid and humic-like ligands*, J. Serb. Chem. Soc. 76 (9), 1325–1336. IF (2011) 0.879.  
<http://www.doiserbia.nb.rs/Article.aspx?ID=0352-51391100115K>
9. Dragana-Linda Mitic-Stojanovic, Aleksandra Zarubica, Milovan Purenovic, Danijela Bojic, **Tatjana Andđelkovic**, Aleksandar Lj. Bojic (2011) *Biosorptive removal of Pb<sup>2+</sup>, Cd<sup>2+</sup> and Zn<sup>2+</sup> ions from water by *Lagenaria vulgaris* shell*, Water SA 37 (3), 303-312. IF (2009) 1.051.  
<http://www.ajol.info/index.php/wsa/article/view/68481>
10. Ružica S. Nikolić, Jasmina M. Jovanović, Gordana M. Kocić, Tatjana P. Cvetković, Svetlana R. Stojanović, **Tatjana D. Andđelković**, Nenad S. Krstić (2011) *Praćenje efekata izloženosti olovu i kadmijumu u radnoj i životnoj sredini preko parametara standardne biohemijske analize krvi i aktivnosti endonukleaza jetre*, Hemijska industrija 65 (4), 403–409. IF (2011) 0.205.  
<http://www.doiserbia.nb.rs/img/doi/0367-598X/2011/0367-598X1100027N.pdf>
11. Darko H. Andđelković, **Tatjana D. Andđelković**, Ružica S. Nikolić, Milovan M. Purenović, Srdjan D. Blagojević, Aleksandar Lj. Bojic and Milica M. Ristić (2012) *Leaching of chromium from chromium contaminated soil – speciation study and geochemical modeling*, J. Serb. Chem. Soc. 77 (1), 119-129. IF (2012) 0.912.  
<http://www.doiserbia.nb.rs/Article.aspx?id=0352-51391100154A#.VUspYXmJizk>
12. Jelena Mitrović, Miljana Radović, Danijela Bojić, **Tatjana Andđelković**, Milovan Purenović And Aleksandar Bojić (2012) *Decolorization of textile azo dye Reactive Orange 16 with UV/H<sub>2</sub>O<sub>2</sub> process*, J. Serb. Chem. Soc. 77 (4), 465-481. IF (2012) 0.912.  
<http://www.doiserbia.nb.rs/img/doi/0352-5139/2012/0352-51391100187M.pdf>
13. Tatjana Mitrović, Slaviša Stamenković, Vladimir Cvetković, Miloš Nikolić, Rada Baošić, Jelena Mutić, **Tatjana Andđelković** and Aleksandar Bojić (2012) *Epiphytic Lichen Flavoparmelia caperata as a Sentinel for Trace Metal Pollution*, J. Serb. Chem. Soc. 77 (9), 1301-1310. IF (2012) 0.912.  
<http://www.doiserbia.nb.rs/img/doi/0352-5139/2012/0352-51391200031M.pdf>
14. Dragana-Linda Mitić-Stojanović, Danijela Bojić, Jelena Mitrović, **Tatjana Andđelković**, Miljana Radović, Aleksandar Lj. Bojić (2012) *Equilibrium and kinetic studies of Pb(II), Cd(II) and Zn(II) sorption by *Lagenaria vulgaris* shell*, Chemical Industry & Chemical Engineering Quarterly 18 (4), 563-576. IF (2011) 0.610.  
<http://www.doiserbia.nb.rs/img/doi/1451-9372/2012/1451-93721200032M.pdf>
15. Darko H. Andđelković, Ružica S. Nikolić, Dejan Z. Marković, **Tatjana D. Andđelković**, Gordana M. Kocić, Zoran B. Todorović And Aleksandar Lj. Bojić (2012) *Chromium interaction with O-donor humic-like ligands using electrospray-ionization mass spectrometry*, J. Serb. Chem. Soc. 78 (1), 137-154. IF (2012) 0.912.  
[http://www.shd.org.rs/JSCS/Vol78/No1/13\\_5334\\_4403.pdf](http://www.shd.org.rs/JSCS/Vol78/No1/13_5334_4403.pdf)
16. Miljana D. Radović, Jelena Z. Mitrović, Danijela V. Bojić, Miloš M. Kostić, Radomir B. Ljupković, **Tatjana D. Andđelković**, Aleksandar Lj. Bojić (2012) *Effects of operational parameters of process UV radiation/hydrogen peroxide on decolorization of anthraquinone textile dye*, Hemisjska industrija 66 (4), 479-486. IF (2012) 0.463.  
<http://www.doiserbia.nb.rs/img/doi/0367-598X/2012/0367-598X1100112R.pdf>

17. Ivana Kostić, **Tatjana Andelković**, Ružica Nikolić, Tatjana Cvetković, Dušica Pavlović, Aleksandar Bojić (2013) *Comparative study of binding strengths of heavy metals with humic acid*, Hemijska industrija 67 (5), 773-779. IF (2013) 0.562.  
<http://www.doiserbia.nb.rs/img/doi/0367-598X/2013/0367-598X1300002K.pdf>
18. Jelena Z. Mitrović, Miljana D. Radović, **Tatjana D. Andelković**, Danijela V. Bojić, Aleksandar Lj. Bojić (2014) *Identification of intermediates and ecotoxicity assessment during the UV/H<sub>2</sub>O<sub>2</sub> oxidation of azo dye Reactive Orange 16*, Journal of Environmental Science And Health, Part A Toxic/Hazardous Substance & Environmental Engineering 49 (5), 491-502. IF (2014) 1.239.  
<http://www.tandfonline.com/doi/pdf/10.1080/10934529.2014.859022#preview>
19. Jelena B. Zvezdanović, Sanja M. Petrović, Dejan Z. Marković, **Tatjana D. Andjelković** and Darko H. Andjelković (2014) *Electrospray ionization mass spectrometry combined with the ultra highperformance liquid chromatography in the analysis of in vitro formation of chlorophyll complexes with copper and zinc*, J. Serb. Chem. Soc. 79 (6), 689-706. IF (2012) 0.934.  
<http://www.doiserbia.nb.rs/img/doi/0352-5139/2014/0352-51391400009Z.pdf>
20. Ruzica Nikolic, Natasa Radosavljevic-Stevanovic, **Tatjana Andjelkovic**, Maja Stankovic, Nenad Krstic (2014) *The migration of some biometal ions in the system mineral tissue of teeth-soil and teeth-water mediums*, J. Serb. Chem. Soc. 79 (11) 1395–1404. IF (2012) 0.934.  
<http://www.doiserbia.nb.rs/img/doi/0352-5139/2014/0352-51391400058N.pdf>
21. Danica S. Milojković, Darko H. Andelković, Gordana M. Kocić And **Tatjana D. Andelković** (2015) *Evaluation of Method for Phthalate Extraction from Milk Related to Milk Fat Content*, J. Serb. Chem. Soc. 80 (8), 983-996 IF (2014) 1.009 doi:10.2298/JSC141204028M  
<http://www.doiserbia.nb.rs/issue.aspx?issueid=2503>
22. Kostić Ivana S., **Andelković Tatjana D.**, Andelković Darko H., Cvetković Tatjana P., Pavlović Dušica D. (2016) *Determination of di(2-ethylhexyl) phthalate in plastic medical devices*, Hemijska industrija, 70 (2) 159-164 IF (2013) 0.562 doi:10.2298/hemind141129023k  
<http://www.doiserbia.nb.rs/issue.aspx?issueid=2352&AspxAutoDetectCookieSupport=1>
23. Kostić Ivana, **Andelković Tatjana**, Andelković Darko, Nikolić Ružica, Bojić Aleksandar, Cvetković Tatjana, Nikolić Goran (2016) *Interaction of cobalt(II), nickel(II) and zinc(II) with humic-like ligands studied by ESI-MS and ion-exchange method*, J. Serb. Chem. Soc. 81 (3) 255-270 IF (2014) 1.009  
[http://www.doiserbia.nb.rs/Article.aspx?ID=0352-51391500094K#.Vw9H\\_Y9OKAg](http://www.doiserbia.nb.rs/Article.aspx?ID=0352-51391500094K#.Vw9H_Y9OKAg)
24. I. Kostić, T. Andelković, D. Andelković, A. Bojić, T. Cvetković, D. Pavlović (2017) *Quantification of DEHP into PVC components of intravenous infusion containers and peritoneal dialysis set before and after UV-A treatment*, Bulgarian Chemical Communications, 49 (2) 360-365
25. Kostic Ivana S., **Andjelkovic Tatjana D.**, Andjelkovic Darko H., Cvetkovic Tatjana P., Pavlovic Dusica D. (2018) *A study of the influence of ultraviolet radiation on di(2-ethylhexyl) phthalate leaching from poly(vinyl chloride) medical devices*, J. Serb. Chem. Soc. 83 (10) 1157-1165.

26. T. Andelković, D. Andelković, J. Perović, M. Purenović, P. Polić, *Decrease of oxygen interference on humic acid structure alteration during isolation* (2001) Facta Universitatis - Physics, Chemistry and Technology 2 (3), 163-171.  
<http://facta.junis.ni.ac.rs/phat/phat2001/07.pdf>
27. T. Andelković, J. Perović, M. Purenović, D. Andelković (2004) *Destabilization and aggregation of aqueous humic acids solution by metal ions*, Facta Universitatis - Physics, Chemistry and Technology, 3 (1), 91-97.  
<http://www.doiserbia.nb.rs/img/doi/0354-4656/2004/0354-46560401079A.pdf>
28. Tatjana Andelković, Jelica Perović, Srđan Blagojević, Milovan Purenović, Ružica Nikolić, Aleksandar Bojić, Darko Andelković (2006) *Acidity of humic acid related to its oxygen-containing functional groups*. Macedonian Journal of Chemistry and Chemical Engineering 25 (2), 131-137.  
<http://www.mjcce.org.mk/index.php/MJCCE/article/view/297>
29. T. Andelković (2007) *Hemija životne sredine – ključ u rešavanju problema antropsfere*, Stil 6, 445-448.
30. Mitrović J., Radović M., Bojić A., Andelković T. (2009) *Uticaj acetata na efikasnost degradacije azo boje Reactive Orange 16 UV/H<sub>2</sub>O<sub>2</sub> procesom*, Kvalitet voda, 7, 69-72. ISSN 1451-5571
31. Veselinović A., Bojić A., Bojić D., Andelković T. (2009) *Uticaj huminskih kiselina na fotolizu vodonik-peroksida UV zračenjem*, Kvalitet voda, 7, 66-69. ISSN 1451-5571
32. I. Kostić, J. Perović, T. Andelković, *Korelacija HPK i BPK5 parametara organskih supstanci poznate strukture u vodi* (2009) Zbornik radova Tehnološkog fakulteta u Leskovcu, Leskovac, 19 str. 215-219.
33. T. Andjelkovic, J. Perovic, M. Purenovic, S. Blagojevic, R. Nikolic, D. Andjelkovic, A. Bojic (2006) *A direct potentiometric titration study of the dissociation of the humic acid with selectively blocked functional groups*, Ecletica Quimica 31 (3), 39-46. (IF = 0.085)  
<http://dx.doi.org/10.1590/S0100-46702006000300005>
34. Danica Milojković, Tatjana Andelković, Gordana Kocić (2012) *Фтагати – извори, излуживање, деградација, одређивање, токсичност, легислатива*, Hemskijski pregled, 53 (4) 86-90.
35. Gržetić Ivan, Juranić Ivan, Damjanović Ljiljana, Popović Ivanka, Ivančev-Tumbas Ivana, Matović Zoran, Andelković Tatjana, Diković Ljubica, Antonijević Mila (2012) *Referentni obrazovni standardi za hemiju i srodne discipline*, Hemskijski pregled, 53 (4) 100-105.
36. Tatjana Mitrović, Slaviša Stamenković, Vladimir Cvetković, Tatjana Đekić, Rada Baošić, Jelena Mutić, Tatjana Andelković, Aleksandar Bojić (2012) *Bioindication of heavy metal pollution in the area of Southeastern Serbia by using epiphytic lichen Flavoparmelia caperata (L.) Hale*, Biologica Nyssana, 3(2) 53-60  
[http://tesla.pmf.ni.ac.rs/desavanja/aktuelna/8SimpozijumFlore/Biologica%20Nyssana/3-\(2\)-December-2012/0302-2012-02%20Mitrovic%20et%20al.pdf](http://tesla.pmf.ni.ac.rs/desavanja/aktuelna/8SimpozijumFlore/Biologica%20Nyssana/3-(2)-December-2012/0302-2012-02%20Mitrovic%20et%20al.pdf)

37. Sanja M. Milenković, Jelena B. Zvezdanović, **Tatjana D. Andđelković**, Dejan Z. Marković, *The Identification of Chlorophyll and Its Derivatives in the Pigment Mixtures: HPLC-Chromatography, Visible and Mass Spectroscopy Studies* (2012) Advanced technologies 1 (1) 16-24.  
<http://www.tf.ni.ac.rs/casopis/sveska1/c2.pdf>
38. T. Stamenković, M. Petrović, **T. Andđelković**, A. Zarubica (2013) *Pesticidi – fotoliza i fotokataliza*, Hemski preglede, 54 (3) 66-74.
39. **Tatjana D. Andđelković**, Gordana M. Kocić, Darko H. Andđelković, Ivana S. Kostić, Danica S. Milojković (2015) *The Signal Response Linearity in Phthalates Determination Using ESI-MS Method with the Loop Injection Technique*, Advanced Technologies 4 (1) 42-48.
40. B. S. Radovanović, Z. Mišić, **T. Andđelković**, *Controlling nicotine, tar, phenoles and heavy metals in tobacco, tobacco blends and smoke in production of less harmful cigarettes*, II International symposium and exhibition on environmental contamination in central and eastern Europe, Budapest, 1994, Proceedings, p. 310-311
41. M. Novaković, M. Miljković, T. Pecev, **T. Andđelković**, V. Ignjatović, *Proučavanje uticaja sircetne i mravlje kiseline na CILAB koordinate obojene poliestarske pletenine bojom SYNTEN GELB P2G*, Međunarodni simpozijum "Pravci razvoja tekstilne industrije za treći milenijum", Niš, 1997. Zbornik radova, str. 158-169
42. M. Purenović, **T. Andđelković**, J. Perović, M. Novaković, M. Miljković, A. Bojić, *Removal of Natural Pigments in Water by New Solid Catalyser*, 4th International Conference on Fundamental and Applied Aspects of Physical Chemistry "Physical Chemistry '98", Belgrade, 1998. Book of papers, p. 512-514
43. M. Purenović, **T. Andđelković**, D. Andđelković, J. Perović, Lj. Ilić, J. Ursić-Janković, *The Study of Interaction between Soil Humic Acid and Cadmium by Gel Permeable Chromatography*, Physical Chemistry 2000, Beograd, 2000. Proceedings p. 602-604
44. M. Purenović, J. Perović, A. Bojić, **T. Andđelković**, D. Bojić, *Copper and cadmium removal from waste water by microalloyed aluminium based composite*, II Regional Symposium "Chemistry and the Environment", Kruševac, Serbia and Montenegro, 2003. Proceedings p. 251-252
45. **T. Andđelković**, D. Andđelković, J. Perović, M. Purenović, *Nephelometric measurements of humic acids cation-enhanced aggregation*, II Regional Symposium "Chemistry and the Environment", Kruševac, Serbia and Montenegro, 2003. Proceedings p. 73-74
46. Kostić, **T. Andđelković**, M. Purenović, R. Nikolić and A. Bojić, *Interaction of Pb(II) with humic acid and humic-model ligands studied by Schubert method*, Physical Chemistry 2010, Beograd, 2010. Proceedings p. 641-643.
47. J. Mitrović, M. Radović, **T. Andđelković**, M. Purenović and A. Bojić, *Decolourisation of textile azo dye Reactive orange 16 with UV/H<sub>2</sub>O<sub>2</sub> system: effect of pH*, Physical Chemistry 2010, Beograd, 2010. Proceedings p. 185-187.

- 48.** M. Cvijović, P. Đurđević, **T. Andelković**, Lj.Svilar, J. C. Tabet, M. Jelikić-Stankov, A. Bojić and V. Stankov, *Electrospray mass spectrometry of aluminium fleroxacin complexes*, Physical Chemistry 2010, Beograd, 2010. Proceedings p. 81-83.
- 49.** D. Bojić, D.-L. Mitić-Stojanović, **T. Andelković** and A. Bojić (2011) *Biosorptive removal of zinc from aqueous solution*, 12th International Conference on Environmental Science and Technology (CEST2011), 8 - 10 September, Rhodes island, Greece, Proceedings, 214-221.
- 50.** M. Radović, J. Mitrović, **T. Andelković**, D. Bojić and A. Lj. Bojić (2011) *Decolorization of textile dye reactive blue 19 in water by UV/H<sub>2</sub>O<sub>2</sub> process*, 12th International Conference on Environmental Science and Technology (CEST2011), 8 - 10 September, Rhodes island, Greece, Proceedings, 1547-1553.
- 51.** Ivana Kostić, **Tatjana Andelković**, Ružica Nikolić, Milovan Purnović, Aleksandar Bojić, Darko Andelković, *Stability of Cu(II) and Pb(II) humate complexes determined by Schubert's method*, IX Symposium „Novel technologies and economic development“, 21-22. October 2011, Leskovac, Book of Paper br. 21, str. 46-49, 2011
- 52.** D. Milojkovic, **T. Andjelkovic**, R. Nikolic, I. Kostic, T. Cvetkovic, D. Pavlović, D. Andjelkovic, *ESI-MS and UV/VIS characterization of Chromium(iii)-2,2'-bipyridine interaction*, Physical Chemistry 2012, Beograd, 2012. Proceedings p. 701-703.
- 53.** I. Kostić, **T. Andelković**, D. Milojković, T. Cvetković, D. Pavlović, D. Andelković, *Analysis of copper-salicylic acid complexes by ESI-MS*, Physical Chemistry 2012, Beograd, 2012. Proceedings p. 698-700.
- 54.** M. M. Kostić, M.D. Radović, J. Z. Mitrović, D. V. Bojić, D. Milenković, **T. D. Andelković**, A. Lj. Bojić, *Biosorption of Cu(II) on xanthated *Lagenaria Vulgaris* shell*, Physical Chemistry 2012, Beograd, 2012. Proceedings p. 624-626.
- 55.** Kostić, **T. Andelković**, D. Andelković, A. Bojić, T. Cvetković, D. Pavlović, *DEHP leaching from medical devices used for peritoneal dialysis determined by GC-MS*, 12<sup>th</sup> International Conference on Fundamental and Applied Aspects of Physical Chemistry, Physical Chemistry 2014, Beograd, 2014. Proceedings p. 1153-1156.
- 56.** Danica Milojković, **Tatjana Andelković**, Gordana Kocić, *Gas-chromatography mass spectrometry determination of phthalate esters concentration in water samples*, 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Physical Chemistry 2014, Beograd, 2014. Proceedings p. 925-928.
- 57.** **Tatjana Andelković**, Darko Andelković, Zoran S. Nikolić, The Impact of E-learning in Chemistry Education, 6th International Conference on e-Learning, eLearning-2015, Belgrade 2015. Proceedings p. 116-120.
- 58.** B. Stojceva Radovanovic, Z. Misic and **T. Andjelkovic**, *Determination of Phenoles in Tobacco, Tobacco Blends and Smoke with Gas Chromatographic Analysis*, V Symposium of Instrumental and Analytical Spectrometry and Chromatography - SIAS, Varna, Bulgaria, 1994. Book of abstracts, p. 124

59. B. Stojceva Radovanovic, **T. Andjelkovic**, Z. Misic, *UV/VIS spectrophotometric determination of nicotine in tobacco, tobacco blends and cigarette smoke in human health protection*, 35th IUPAC Congress, Istanbul, 1995. Book of abstracts, p. 141
60. M. Purenović, J. Perović, M. Miljković, A. Bojić, **T. Andđelković**, *Određivanje koncentracije nekih toksičnih metala u prirodnim rakijama*, 2. Međunarodni naučni skup "Dani višnje", Prolog banja, 1997. Zbornik radova, str. 55
61. M. Purenović, J. Perović, M. Miljković, A. Bojić, **T. Andđelković**, *Određivanje koncentracije nekih toksičnih metala u vinima*, 2. Međunarodni naučni skup "Dani višnje", Prolog banja, 1997. Zbornik radova, str. 54
62. M. Purenović, A. Bojić, J. Perović, M. Miljković, **T. Andđelković**, *Removal of Carbon(IV)-sulfide from water by a new solid catalytic procedure*, 1<sup>st</sup> International Conference on Chemical Sciences & Industry, South-East European Countries, Halkidiki, Greece, 1998. Book of Abstracts, vol. I, PO516
63. Bojić, M. Purenović, M. Novaković, **T. Andđelković**, D. Bojić, *Road traffic as a factor of environmental pollution with heavy metals*, 5<sup>th</sup> International Symposium on Applied Bioinorganic Chemistry, Corf, Greece, 1999. Book of Abstracts, p. 215
64. M. Purenović, J. Perović, **T. Andđelković**, D. Andđelković, P. Polić, *FT-IR characterisation of terrestrial humic acids isolated under condition of decreased oxygen level*, 3rd International Conference of the Chemical Societies of the South-Eastern European Countries, Romania, 2002, Proceedings p. 355
65. **T. Andđelković**, J. Perović, S. Blagojević, M. Purenović, R. Nikolić, A. Bojić, J. Mitrović, D. Dimitrijević, *Proton binding characterization of methylated humic acid*, The Sixth European Meeting on Environmental Chemistry, Serbia&Montenegro, 2005, The book of abstracts p. 301.
66. Bojić, M. Purenović, J. Perović, **T. Andđelković**, D. Bojić, A. Veselinović, M. Vodeničarski, *Photocatalytic degradation of humic acids in water by UV light*, The Sixth European Meeting on Environmental Chemistry, Serbia&Montenegro, 2005, The book of abstracts p. 209.
67. **T. Andjelkovic**, J. Perovic, M. Purenovic, S. Blagojevic, D. Andjelkovic, *Complexation properties of esterified soil humic acid*, 22nd International Meeting on Organic Geochemistry, Sevilla, Spain, 2005, Book of Abstracts, p. 1003-1004.
68. **T. Andjelkovic**, J. Perovic, R. Nikolic, S. Blagojevic, D. Andjelkovic, A. Bojic, *Binding of lead to humic acid related to its carboxyl and phenol groups contents*, 23rd International Meeting on Organic Geochemistry, Torquay, United Kingdom, 2007, Book of Abstracts, p. 775-776.
69. **T. Andjelkovic**, J. Perovic, R. Nikolic, M. Purenovic, D. Andjelkovic, A. Bojic, *Humic polyelectrolyte complexing capacity determination by ion-selective electrode potentiometry*, 1st Regional Symposium on Electrochemistry, Rovinj, Croatia, 2008, Book of Abstracts, p. 334-336.

70. T. Andjelkovic, J. Perovic, R. Nikolic, M. Purenovic, D. Andjelkovic, A. Bojic, *Comparison of the Stability Constants of Cd(II) and Pb(II)-Humate complexes*, 5th Symposium Chemistry and Environmental Protection, Tara, Serbia, 2008, Book of Abstracts, p. 104-105.
71. T. Andjelković, A. Pak, L. Muller, A. Bojić, V. Stankov Jovanović, J. C. Tabet, *Investigation of humic acid by laser desorption ionization mass spectrometry*, 2<sup>nd</sup> International Workshop Ion Trapping, Activation and Dissociation, Siena, Italy, 2009, Book of Abstracts, p. 52-53.
72. Veselinović A., Bojić A., Purenović M., Bojić D., Andjelković T. (2009) *Fotodegradacija huminskih kiselina u prisustvu vodonik-peroksida*. 8<sup>th</sup> symposium "Novel tehnologies and economic development", Leskovac, Serbia, 23-24 October, Book of Abstracts, 110.
73. M. Radović, J. Mitrović, A. Bojić, T. Andjelković (2009) *Effect of radiation intensity, dye concentration and concentration of carbonates on degradation of textile dye Reactive Orange 16 by UV/H<sub>2</sub>O<sub>2</sub> process*, 8<sup>th</sup> symposium "Novel tehnologies and economic development", Leskovac, Serbia, 23-24 October, Book of Abstracts, 109.
74. T. Andjelković, R. Nikolić, A. Bojić, M. Purenović, I. Kostić (2010), *Improvement of the standard humic acid isolation procedure by deoxygenated extraction solution*, International Conference, Extraction of the organic compounds, ICEOC-2010, Voronezh, Book of abstracts, 234
75. J. Mitrović, M. Radović, T. Andjelković, D. Bojić, B. Kocić, A. Bojić (2011) *Identification of early step UV/H<sub>2</sub>O<sub>2</sub> degradation intermediates of antraquinone dye Reactive Blue 19 by direct introduction electrospray ionisation mass spectrometry*, European Conference on Analytical Chemistry (EURO analysis 2011), 11.-15. September, Belgrade, Serbia, Book of Abstracts, MS13
76. Milan D Antonijević, Ivana Ivančev-Tumbas, Tatjana Andjelković, Ivanka Popović, Ivan Juranić, Branimir Jovancicević, Jan Schwarzbauer, Stephen A Leharne (2011) *Modernisation of Post-Graduate Studies in Chemistry an example of TEMPUS project activities*, European Conference on Analytical Chemistry (EUROanalysis2011), 11.-15. September, Belgrade, Serbia, Book of Abstracts
77. Ivana Kostic, Tatjana Andjelkovic, Ruzica Nikolic, Milovan Purenovic, Aleksandar Bojic, Darko Andjelkovic, Jelena Mitrovic, *Cu(II) complexation with humic acid and humic-like ligands studied by Schubert's method*, 25th International Meeting on Organic Geochemistry (IMOG 2011), 18 – 23 September, Interlaken, Switzerland, Book of Abstracts p. 291
78. Ivana Kostic, Tatjana Andjelkovic, Ruzica Nikolic, Milovan Purenovic, Aleksandar Bojic, Darko Andjelkovic, Miljana Radovic, *Stability of Cu(II) and Pb(II) salicylate complexes determined by modified Schubert's method*, 25th International Meeting on Organic Geochemistry (IMOG 2011), 18 – 23 September, Interlaken, Switzerland, Book of Abstracts p. 292
79. T. Andjelković, D. Andjelković, R. Nikolić, D. Milojković, I. Kostić, T. Cvetković, G. Kocić, *ESI-MS Investigation of Interaction between Chromium(III) and Benzoic, Salicylic and Phthalic Acids as oxidative stress markers*, 6th Symposium Chemistry and Environmental Protection – EnviroChem, Vršac, Serbia, 2013, Book of Abstracts, p. 192-193

80. T. Andelković, D. Andelković, I. Kostić, R. Nikolić, D. Milojković, T. Cvetković, D. Pavlović, *Investigation of interaction of lead(II) with salicylic acid as oxidative stress compound by ESI-MS*, 6th Symposium Chemistry and Environmental Protection – EnviroChem, Vršac, Serbia, 2013, Book of Abstracts, p. 194-195
81. Ivana Kostić, Tatjana Andelković, Ružica Nikolić, Danica Milojković, Aleksandar Bojić, Darko Andelković, *Interakcija Zn(II) jona sa huminskom kiselinom i modelima huminskih supstanci*, X Symposium „Novel technologies and economic development“, 22-24. October 2013, Leskovac, Book of Abstract, str. 110.
82. T. Andelković, *Huminske supstance - od strukture ka ekološkoj ulozi*, 6th Symposium Chemistry and Environmental Protection – EnviroChem, Vršac, Serbia, 2013, Book of Abstracts, p. 194-195
83. M. Purenović, J. Perović, M. Miljković, T. Andelković, A. Bojić, *Uklanjanje mangana iz vodenih model rastvora primenom čvrstog metalnog katalizatora*, 14. Jugoslovenski simpozijum o elektrohemiji, Budva, 1998. Zbornik radova, str. 87-88
84. J. Perović, M. Purenović, M. Novaković, M. Miljković, A. Bojić, T. Andelković, *Hemiska neispravnost nekih bezalkoholnih pića*, III Jugoslovenski simpozijum "Hemija i zaštita životne sredine", Vrnjačka Banja, 1998. Zbornik radova, str. 125-126
85. M. Novaković, M. Miljković, M. Purenović, J. Perović, V. Ignjatović, T. Andelković, *Određivanje koncentracije veštačke prehrambene boje E122 u bezalkoholnim osvežavajućim pićima sa aromom maline*, III Jugoslovenski simpozijum "Hemija i zaštita životne sredine", Vrnjačka Banja, 1998. Zbornik radova, str. 211-212
86. J. Perović, M. Purenović, M. Novaković, M. Miljković, A. Bojić, T. Andelković, *Određivanje promene koncentracije nitrita u nekim suhomesnatim proizvodima nakon čuvanja u komorama za hlađenje*, III Jugoslovenski simpozijum "Hemija i zaštita životne sredine", Vrnjačka Banja, 1998. Zbornik radova, str. 131-132
87. M. Purenović, J. Perović, T. Andelković, D. Andelković i P. Polić (2001) *Određivanje stabilitosti kompleksa Cd – huminska kiselina jonoizmenjivačkom metodom*, IV Jugoslovenski simpozijum "Hemija i zaštita životne sredine", Zrenjanin, Proceedings p. 154-156
88. Bojić A., Mitić-Stojanović D.-L., Bojić D., Andelković T. (2009) *Uklanjanje Cu<sup>2+</sup> jona iz vodenih rastvora biosorbentom na bazi kore Lagenaria Vulgaris*, "VODA 2009", 38. godišnja konferencija o aktuelnim problemima korišćenja i zaštite voda, Zlatibor, 8-10. jun, Zbornik radova, 449-456.
89. T. Andelković, A. Bojić, D. Andelković (2010) *Pesticidi u kontekstu održivog razvoja*, 2. Konferencija "Održivi razvoj i klimatske promene", Zbornik radova, 207-212.
90. J. Mitrović, M. Radović, D. Bojić, M. Petrović, D. Milenković, T. Andelković, A. Bojić (2012) *Metamizole degradation in aqueous solution by UV/H<sub>2</sub>O<sub>2</sub> process*, 50<sup>th</sup> Serbian Chemical Society Meeting, Beograd, Serbia, 14 – 15 Jun, Book of Abstracts, 93-96
91. Tatjana Andelković, Darko Andelković, Ivana Kostić, Tatjana Cvetković, Dušica Pavlović, Aleksandar Bojić (2014) *Migration of phthalates from low density polyethylene infusion*

*bottles into physiological saline solutions*, 51<sup>st</sup> meeting of Serbian Chemical Society, Nis, 5–7 June, Serbia, 2014, Proceedings p. 74-77.

92. Danica Milojković, Darko Andelković, **Tatjana Andelković**, Ružica Nikolić, Gordana Kocić, Natali Stojiljković (2014) *Determination of di-n-butyl phthalate and di-n-octyl phthalate in water samples by GC-MS*, 51<sup>st</sup> meeting of Serbian Chemical Society, Nis, 5–7 June, Serbia, 2014, Proceedings p. 78-81.
93. Miljana Radovic, Jelena Mitrovic, Miloš Kostic, Milica Petrovic, **Tatjana Andelkovic**, Danijela Bojic, Aleksandar Bojic (2014) *Effects of system parameters on decolorization of Reactive Orange 4 dye: comparison of Fenton and photo-Fenton processes*, 51<sup>st</sup> meeting of Serbian Chemical Society, Nis, 5–7 June, Serbia, 2014, Proceedings p. 20-23