**List of teaching courses and books**

1. 2011, 2015 - Analytical Chemistry: acid-base, complexing, redox and hererogeneous equilibria, volumetry and gravimetry (curriculum 60 h lectures and 60 labs) in Bulgarian for bachelor students in professional specialties: organic and inorganic chemical technology and engineering chemistry.

2. 2012 - Analytical chemistry: acid-base, complexing and redox equilibria, volumetry, potentiometry, voltammetry, spectrophotometry, atomic-absorption spectrometry, atomic emission spectrometry (curriculum 30 h lectures and 45 labs) in English for bachelor students in metallurgy

3. 2014 -2015, Instrumental analytical methods: spectral methods, chromatography, mass spectrometry (45 h lectures and 25 labs) in French for mater students: chemical and biochemical engineering.

4. 2000 – till now - lab tutorial in Bulgarian –Analytical Chemistry: seminars, labs and assessments (60 h); Instrumental analytical chemistry: seminars, labs and assessments (48 h);

5. 2013 –lab tutorial in French –Analytical Chemistry: seminars, labs and assessments (60 h);

Books:

1. Analytical chemistry – lab manual, 2002 – co-author

2. Calculations in analytical chemistry – part I (2007) – co-author

3. Calculations in analytical chemistry – part II (2013) – co-author

**List of Selected Publications**

1. D. Stratiev, V.Yankov, I. Petrov, I. Shishkova, A. Pavlova, P. Ivanova, A. Surleva, K. Hristov, E. Todorova, A. Obryvalina, R. Telyashev, Study on the origin of sediment formation in a high pressure near zero sulfur diesel hydrotreater, Fuel Processing Technology 126 (2014) 332–342

2. A. Surleva, P. Atanasova, T. Kolusheva, L. Costadinnova, Study of the complex equilibrium between titanium (iv) and tannic acid, Journal of Chemical Technology and Metallurgy, 49, 6, 2014, 594-600

3. A. Surleva, G. Drochioiu, A modified ninhydrin micro-assay for determination of total cyanogens in plants, Food Chem. 141 (2013) 2788–2794

4. N. I. Georgiev, I. S. Yaneva, A. R. Surleva, A. M. Asiric, V. B. Bojinov, Synthesis, sensor activity and logic behavior of a highly water-solublenaphthalimide derivative, Sens. Actuat. B 184 (2013) 54– 63

5. A. Surleva, G. Drochioiu, Visualizing Smoking Hazard: A Simple Spectrophotometric Determination of Hydrogen Cyanide in Cigarette Smoke and Filters, J. Chem. Educ. 90 (2013) 1654−1657

6. A. Surleva, S. Bancila, E. Todorova, A study on ninhydrin reaction with weak acid dissociable cyanide and its application for toxic cyanide determination, Science J. Anal. Chem. 2(1) (2014) 1-6

7. A. Surleva, M. Zaharia, L. Ion, R. Gradinaru, G. Drochioiu, I. Mangalagiu, Ninhydrin-based spectrophotometric assays of trace cyanide, Acta Chem. Iasi, 21 (2013) 57-70

8 A. Surleva, R. Gradinaru, G. Drochioiu, Cyanide poisoning: from physiology to forensic analytical chemistry, Int. J. Criminal Invest., 2(2), (2012) 79-101

9. T. K. Nedeltcheva, A. R. Surleva, L. G. Nikolova, R. G. Borissova, S. I. Georgieva , Spectrophotometric study of competitive complexation equilibria involving overlapped spectral responding species: Determination of the stability constant of bismuth-pyrophosphate complex, Cent. Eur. J. Chem., 10 (2012) 1875-1881.

10. L. Nikolova, A. Surleva, T. Нedeltcheva, R. Borissova, Algorithm for spectrophotometric study of 1:1 stoichiometric complexes at overlapped spectra of the complex and the ligand, J Chem. Techn. Metall, 46 (2011) 203-208

11. N. A. Stoilova, A. R. Surleva, G. Stoev, Simultaneous Determination of Nine Quinolones in Food by Liquid Chromatography with Fluorescence Detection, Food Anal. Methods 6 (3) (2012) 803-813

12. N. A. Stoilova, A. R. Surleva, G. Stoev, Quinolones determination in food of animal origin by liquid chromatography coupled with fluorescence and mass spectrometric detection, Acta Chromatographia, DOI: 10.1556/AChrom.26.2014.4.3

13. G. Yonkova, V. Zhivkova, A. Surleva, Тhe use of fluoride containing mineral water in wort production, Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry, 12 (4) (2011) 373-380

14. G. Yonkova, А. Surleva, T. Ginova-Stoyanova, Тechnology fоr production of fluoride enriched beer, J Chem. Techn. Metall 47 (1) (2012) 53-58

15. G. Jonkova, A. Surleva, Impact of polysaccharides of malt on filterability of beer and possibilities for their reduction by enzymatic additives, J Chem. Techn. Metall., 48, 3, 2013, 234-240

16. D. Tsekova, E. Makakova, P. Alov, G. Gornev, I. Pajeva, L. Tancheva, V. Petkov, A. Surleva, B. Escuder, J. Miravet, E. Katz, Structure-activity relationships of new L-valine derivatives with neuropharmacological effects, Bulg. Chem. Commun. 41 (2009) 133-137

17. A. Surleva, “Electrochemical detection in environmental cyanide monitoring: review” Revue électronique internationale pour la science et la technologie, 3 (2009), www.revue-genie-industriel.info/document.php?id=812.

18. Surleva, V. Nikolova, M. Neshkova, A new generation of cyanide ion-selective membranes for flow-injection application. Part. II. Comparative study of cyanide flow-injection detectors based on thin electroplated silver chalcogenide membranes, Anal. Chim. Acta, 583 (2007) 174-181

19. A. Surleva, M. Neshkova, A new generation of cyanide ion-selective membranes for flow-injection application. Part III. A simple approach to the determination of toxic metal-cyanide complexes without preliminary separation, Talanta, 76 (2008) 914-921.

**List of Selected Conference Presentations**

1. A. Surleva, S. Terzieva, N. Penkova, An effective environment for specialized education of young researchers – a satisfaction feedback, Anniversary Scientific Conference with international participation: 60 Years UCTM, 4-5 June 2013, UCTM, Sofia, Bulgaria

2. A. Surleva, V. Stojanov, Gabi Drochioiu, Ninhydrin as a sensitive colorimetric reagent for weak acid dissociable cyanide determination, Anniversary Scientific Conference with international participation: 60 Years UCTM, 4-5 June 2013, UCTM, Sofia, Bulgaria

3. A. Surleva, N. Georgiev, “A new fluorescent probe for toxic cyanides sensing in aqueous media”, In: A.-V. Sandu (Ed.) European exhibition of creativity and innovation, EUROINVENT 2012, Alexandru Ioan Cuza Univ. Publ. House, Iasi, Romania, pp. 275-282 (2012).

4. A. Surleva, G. Drochioiu, Fast and Highly Sensitive Determination of Total Cyanogens with Ninhydrin, 11th Meeting of Food Chemistry. Quality of food: new challenges. 16-19 September 2012, Bragança, Portugal.

5. A. Surleva, M. Zaharia, R. Grădinaru, I. Mangalagiu, G. Drochioiu, Development and validation of a spectrophotometric method for estimation of cyanogens in plant samples, XXXII Romanian Chemistry Conference, 3-5 octomber 2012, Calimanesti-Caciulata , Valcea, Romania

5. N. Stoiliva, A. Surleva, G. Stoev, ‘Simultaneous determination of nine quinolones in food of animal origin by liquid chromatography with fluorescence detection”, 29th international Symposium on Chromatography, 9 - 13 September 2012 in Toruń, Poland

7. M. Neshkova, A. Surleva, A new generation of cyanide ion-selective membranes for flow-injection application. Part III. An electrochemical protocol for on-line cyanide speciation, Workshop on Ecomaterials and Processes: Characterization and Metrology, April 19-21, 2007, St. Kirik, Plovdiv, Bulgaria

8. M. Neshkova, A. Surleva, Flow injection cyanide monitoring and speciation using a new generation of CN-potenctiometric detectors based on thin electroplated silver chalcogenide membranes, EUROANALYSIS XIV, 9-14 September 2007, Antwerp, Belgium