

## Articole semnificative postului

1. Simona Codruta Aurora Cobzac, Neli Kinga Olah, Dorina Casoni, Application of HPTLC multiwavelength imaging and color scale fingerprinting approach combined with multivariate chemometric methods for medicinal plant clustering according to their species, *Molecules*, **2021**, 26, 7225; DOI:10.3390/molecules26237225
2. Dorina Casoni, Mihaela Badea, Simona Codruta Cobzac, Fish roe sample preparation for synthetic food dyes determination by HPTLC, *Studia UBB Chemia*, **2021**, LXVI(2), 265-275; DOI:10.24193/subbchem.2021.2.23
3. Neli-Kinga Olah, Daniela Hanganu, Ede Bodokic, Radu Oprean, Claudia Toma, Claudiu Morgovan, Elisabeta Chișe, Andreea Brașovan, Simona Codruța Aurora Cobzac, Simion Gocan, Characterization of *Orthosiphon Stamineus* Benth extracts by reversed-phase thin layer chromatographic methods, *Studia UBB Chemia*, **2017**, LXII(3), 9-18; DOI:10.24193/subbchem.2017.3.01
4. Dorina Casoni, Mihaela Badea, Ildiko Bros, Simona Codruta Aurora Cobzac, Investigation on image processing parameters for plate evaluation in TLC analysis of mycotoxins, *Studia UBB Chemia*, **2017**, LXII(3), 89-102; DOI:10.24193/subbchem.2017.3.07
5. Simona Cobzac, Dorina Casoni, Costel Sarbu, Lipophilicity of amine neurotransmitter precursors, metabolites and related drugs estimated on various TLC plates, *J. Chromatogr. Sci.*, **2014**, 52(9), 1095-1103; DOI:10.1093/chromsci/bmt155
6. Simona Codruta Cobzac, Dorina Casoni, Dan Pop, Tartrazine determination from mustard sample by TLC-Photodensitometry and TLC- digital processing of images, *JPC-Modern TLC*, **2012**, 25(6), 542-547, DOI: 10.1556/JPC.25.2012.6.9
7. Rodica Domnica Nascu-Briciu, Sorin Baci, Simona Codruta Cobzac, Optimum ultrasound assisted extraction conditions of some flavonoids from green tea leaves. Control quality of green tea product by TLC fingerprinting, *Anal. Lett.*, **2011**, 44(18), 2865-2875; DOI:10.1080/00032719.2011.582549
8. Simona Codruta Cobzac, Simion Gocan, Sample preparation for high performance liquid chromatography: recent progress, *J. Liq. Chromatogr RT*, **2011**, 34(13), 1157-1267; DOI:10.1080/10826076.2011.588064
9. Ildiko Bros, Maria-Loredana Soran, Rodica Domnica Briciu, Simona Codruta Cobzac, HPTLC quantification of some flavonoids in extracts of *Satureja hortensis* L. Obtained by use of different techniques, *JPC-Modern TLC*, **2009**, 22 (1), 25-28; DOI:10.1556/JPC.22.2009.1.5
10. Simion Gocan, Simona Cobzac, Nelu Grinberg, Prediction of lipophilicity of some plant growth stimulators by RP-TLC and relationship between slope and intercept of TLC equations, *J.Liq.Chrom.RT.*, **2007**, 30, 1669-1676; DOI:10.1080/10826070701224911

## Teza de doctorat

Domeniul: **Chimie**

Titlul: **Studiul extractiei pe faza solida C18 a unor pesticide din apa precum si a unor componente active din macerate glicerinice din plante medicinale**

Conducator stiintific: **Prof. Dr. Simion Gocan**

Data sustinerii: **14.07.2000**

Comisia de acordare a titlului

Presedinte: **Prof.Dr. Luminita Silaghi-Dumitrescu**

Membrii: **Prof.Dr. Constantin Luca**

**Prof.Dr.Liviu Roman**

**Prof.Dr. Horia Nascu**

## Cărți

1. Simon Gocan, Simona Codruta Aurora Cobzac, **Metode moderne de pregătirea probelor organice**, Risoprint, Cluj-Napoca, **2006**, (265 pag), ISBN 973-751-116-6
2. Iovanca Haiduca, Simona Codruta Aurora Cobzac, **Determinarea unor parametrii de calitate ai apelor**, Risoprint, Cluj-Napoca, **2005**, (57 pag) ISBN 973-656-782-6
3. Iovanca Haiduc, Simona Cobzac, **Analiza Mediului**, Fascicula I, Ed. Napoca Star, Cluj-Napoca, **2002**, (60 pag), ISBN 973-647-053-9

## Capitole carti

1. Mihaela Badea, Laura Floroian, Angela Marculescu, Liviu Gaceu, Marius Moga, Laura Gaman, Codruta Cobzac, Qi Chang, Jian Xue, Patrizia Restani, Classic/Recommended Methods and Development of New Methods to Control Residues and Contaminants of Botanicals. In: Food Supplements Containing Botanicals: Benefits, Side Effects and Regulatory Aspects. Restani, P. (eds), Springer, Cham., **2018**, [https://doi.org/10.1007/978-3-319-62229-3\\_11](https://doi.org/10.1007/978-3-319-62229-3_11)
2. Cobzac Simona Codruta Aurora, Chapter XI – Thin Layer Chromatography – New possibilities for teleanalysis ) in Telemonitoring and Tediagnosis for Life Science, M Badea, L Rogozea, JL Marty (editors), Lux Libris Publishing House, Brasov, **2013**,(pag 144-161, ISBN 978-973-131-231-6
3. Cobzac Simona Codruta , Analytical and Bioanalytical Processes, In Bioanalytical methods for life sciences, Badea M, Florescu M (Editors), Editura Universitatii Transilvania din Brasov, **2010**, ISBN 978-973-598-723-7, p13-21
4. Cobzac Simona Codruta Aurora, Sample preparation for chromatographic analysis, In Bioanalytical methods for life sciences, Badea M, Florescu M (Editors), Editura Universitatii Transilvania din Brasov, **2010**, ISBN 978-973-598-723-7, p.33-43

## Carti de laborator (uz didactic)

1. Iovanca Haiduca, Simona Codruta Aurora Cobzac, **Chimie Analitică Cantitativă, Lucrări practice de laborator**, Litografia UBB, **1996** (119 pag)
2. Gabriela Cimpan, Simona Codruta Aurora Cobzac, **Metode analitice de separare, Manual de lucrări practice**, Litografia UBB, **1995** (167 pag)

## Lista articole publicate

1. Eda Bruker, Dorina Casoni, Simona Codruta Aurora Cobzac, Melinda Carmen Szasz, New method for rapid detection and simultaneous determination of prohibited adrenergic drugs in sports using thin layer chromatography and image processing, *J. Liq. Chrom. RT*, **2024**, 47, 1-8; DOI:10.1080/10826076.2024.2386320
2. Dorina Casoni, Simona Codruta Aurora Cobzac, Maria Ileana Simion, Feasibility of UV-Vis combined with pattern recognition techniques to authenticate the medicinal plants material from different geographical areas, *J Anal. Sci. Technol.*, **2024**, 15(17), 1-10; DOI:10.1186/s40543-024-00428-2
3. Carmen Ioana Fort, Simona Codruta Aurora Cobzac, Graziella Liana Turdean, Conductive polymer-based modified electrode for total antioxidant capacity determination, *Microchem. J.*, **2024**, 200(7), 110309; DOI:10.1016/j.microc.2024.110309

4. Carmen Ioana Fort, Simona Codruta Aurora Cobzac, Graziella Liana Turdean, Second-order derivative of square-wave voltammetry for determination of vanillin at platinum electrode, *Food Chem.*, **2023**, 385, 132711; DOI:10.1016/j.foodchem.2022.132711
5. Dorina Casoni, Ileana Maria Simion, Simona Codruța Aurora Cobzac, Alexandra-Gabriela Kialy, Development of a new micro-HPTLC protocol for total antioxidant determination of redox-active drugs, *Studia UBB Chemia*, **2022**, LXVII(4), 235-247; DOI:10.24193/subbchem.2022.4.15
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7. Dorina Casoni, Mihaela Badea, Simona Codruta Cobzac, Fish roe sample preparation for synthetic food dyes determination by HPTLC, *Studia UBB Chemia*, **2021**, LXVI(2), 265-275; DOI:10.24193/subbchem.2021.2.23
8. Simona Codruța Aurora Cobzac, Tiberiu Frențiu, Biljana Balabanova, Natalja Markova Ruzdik, Dorina Casoni, Regional pattern and characteristics of essential elements in several medicinal plants using spectrometric methods combined with multivariate statistical approaches, *Studia UBB Chemia*, **2021**, LXVI(2), 9-22; DOI:10.24193/subbchem.2021.2.01
9. Eniko Covaci, Marin Senila, Florina Leopold, Neli Olah, Simona Codruta Aurora Cobzac, Violeta Ivanova, Biljana Balabanova, Oana Cadar, Anca Becze, Michaela Ponta, Augustin Mot, Tiberiu Frențiu, Characterization of *Lycium barbarum* L. berry cultivated in North Macedonia: a chemometric approach, *Journal of Berry Research*, **2020**, 10, 223-242; DOI:10.3233/JBR-190450
10. Simona Codruța Aurora Cobzac, Dorina Casoni, Mihaela Badea, Biljana Balabanova, Natalija Markova Ruzdik, Ultraviolet-Visible (Uv-Vis) spectroscopy and cluster analysis as a rapid tool for classification of medicinal plants, *Studia UBB Chemia*, **2019**, LXIV(4), 191-203; DOI:10.24193/subbchem.2019.4.14
11. Dorina Casoni, Neli Olah, Loredana Soran, Simona Codruta Aurora Cobzac, Comparison of different extraction techniques for the evaluation of polyphenols content in summer savory extracts, *Studia UBB Chemia*, **2017**, LXII(3), 45-56; DOI:10.24193/subbchem.2017.3.04
12. Dorina Casoni, Mihaela Badea, Ildiko Bros, Simona Codruta Aurora Cobzac, Investigation on image processing parameters for plate evaluation in tlc analysis of mycotoxins, *Studia UBB Chemia*, **2017**, LXII(3), 89-102; DOI:10.24193/subbchem.2017.3.07
13. Neli-Kinga Olah, Daniela Hanganu, Ede Bodokic, Radu Oprean, Claudia Toma, Claudiu Morgovan, Elisabeta Chișe, Andreea Brașovan, Simona Codruța Aurora Cobzac, Simion Gocan, Characterization of *Orthosiphon Stamineus* Benth extracts by reversed-phase thin layer chromatographic methods, *Studia UBB Chemia*, **2017**, LXII(3), 9-18; DOI:10.24193/subbchem.2017.3.01
14. Neli-Kinga Olah, Ramona Burtescu, Sorina Petrescu, Andreea Brașovan, Elisabeta Chișe, Daniela Hanganu, Simona Codruța Aurora Cobzac, Phytochemical screening of different *Crataegus oxyacantha* extracts, *Studia UBB Chemia*, **2017**, LXII(3), 57-73; DOI:10.24193/subbchem.2017.3.05
15. Maria Simion, Dorina Casoni, Simona Codruta Aurora Cobzac, Image analysis approaches to improve the thin layer chromatography – chemometric-based investigations of natural extracts, *Studia UBB Chemia*, **2017**, LXII(2), 67-80; DOI:10.24193/subbchem.2017.2.05
16. Mihaela Badea, Laura Florian, Patrizia Restani, Simona Codruta Aurora Cobzac, Marius Moga, Ochratoxin A detection on antibody-immobilized on BSA-functionalized gold electrodes, *PLOS ONE*, DOI:10.1371/journal.pone.0160021 July 28, **2016**; DOI:10.1371/journal.pone.0160021
17. Elisabeta Chișe, Ramona Flavia Câmpean, Simona Codruta Cobzac, Daniela Hanganu, Neli Olah, Violeta Turcuș, Aurel Ardelean, Quality control parameters of *Ribes Nigrum* L. buds for establishing the optimal harvesting period, *Studia UBB Chemia*, **2016**, LXI(4), 285-294

18. Adriana Daraban, Neli Kinga Olah, Ramona Flavia Câmpean, Flavia Furtuna, Simona Codruta Aurora Cobzac, Gheorghe Dehelean, Marius Bojita, Daniela Hanganu, Comparative study of polyphenols from propolis extracts of different origin, *Studia UBB, Chemia*, **2015**, 60(2), 125-136
19. Simona Cobzac, Dorina Casoni, Costel Sarbu, Lipophilicity of amine neurotransmitter precursors, metabolites and related drugs estimated on various TLC plates, *J. Chromatogr. Sci.*, **2014**, 52(9), 1095-1103; DOI:10.1093/chromsci/bmt155
20. Laurian Vlase, Dana Muntean, Simona Codruta Cobzac, Lorena Filip, Development and validation of an HPLC-UV method for determination of synthetic food colorants, *Revue roumaine de chimie*, **2014**, 59(9), 719-725
21. Roxana-Diana Pasca, Aurora Mocanu, Simona Codruta Cobzac, Ioan Petean, Ossi Horovitz, Maria Tomoaia-Cotisel, Biogenic syntheses of gold nanoparticles using plant extracts, *Particulate Sci Technol*, **2014**, 32(2), 131-137; DOI:10.1080/02726351.2013.839589
22. Simona Codruta Cobzac, Dorina Casoni, Dan Pop, Tartrazine determination from mustard sample by TLC-Photodensitometry and TLC- digital processing of images, *JPC-Modern TLC*, **2012**, 25(6), 542-547; DOI 10.1556/JPC.25.2012.6.9
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25. Simona Codruta Cobzac, Dorina Casoni, Alexandru Lucian Fazakas, Costel Sarbu, Determination of food synthetic dyes in powders for jelly desserts using slit-scanning densitometry and image analysis method, *J. Liq. Chromatogr. RT*, **2012**, 35(10), 1429-1443; DOI:10.1080/10826076.2012.676875
26. Simona Codruta Cobzac, Simion Gocan, Sample preparation for high performance liquid chromatography: recent progress, *J. Liq. Chromatogr RT*, **2011**, 34(13), 1157-1267; DOI:10.1080/10826076.2011.588064
27. Rodica Domnica Nascu-Briciu, Sorin Baci, Simona Codruta Cobzac, Optimum ultrasound assisted extraction conditions of some flavonoids from green tea leaves. Control quality of green tea product by TLC fingerprinting, *Anal. Lett.*, **2011**, 44(18), 2865-2875; DOI:10.1080/00032719.2011.582549
28. Maria Loredana Soran, Codruta Varodi, Simona Codruta Cobzac, Ildiko Lung, Essentials oils determination from *satureja hortensis* L. by chromatographic techniques, *Journal of Essential Oil – Bearing Plants*, **2011**, 14(6), 699-707; DOI:10.1080/0972060X.2011.10643992
29. Dorina Casoni, Simona Codruta Cobzac, Costel Sarbu, A comparative study concerning the lipophilicity of some synthetic dyes estimated by thin layer chromatography and different computation methods, *Rev. Chim.*, **2010**, 61(3), 229-234
30. Simona Codruta Cobzac, Dorina Casoni, Costel Sarbu, An improved sample preparation of starch-based foods for synthetic dyes analysis, *Studia UBB Chemia*, **2010**, LV(2), 227-235
31. Neli Kinga Olah, Dana Hanganu, Laurian Vlase, Simona Codruta Cobzac, The study of polyphenols of *Trifolium pratense* L. and *Medicago sativa* L. hydroalcoholic extracts by HPLC-UV-MS, *Studia UBB Chemia*, **2010**, LV(2), 353-362
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33. Laurian Vlase, Marcel Parvu, Anca Toiu, Alina Elena Parvu, Simona Codruta Cobzac, Mihai Puscas, Rapid and simple analysis of allicin in allium species by LC-CIS-MS/M, *Studia UBB Chemia*, **2010**, LV(4), 297-304

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35. Ildiko Bros, Maria-Loredana Soran, Rodica Domnica Briciu, Simona Codruta Cobzac, HPTLC quantification of some flavonoids in extracts of *Satureja hortensis* L. Obtained by use of different techniques, *JPC-Modern TLC*, **2009**, 22 (1), 25-28; DOI:10.1556/JPC.22.2009.1.5
36. Mihaela Badea, Marius Moga, Nicolae Taus, Nicu Bigiu, Simona Codruta Cobzac, Heavy metals monitoring using TLC, *JEPE - Journal of Environmental Protection and Ecology*, **2009**, 10, 999-1006
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39. Costel Sarbu, Simona Codruta Cobzac, Calibration in quantitative TLC based on weighted regression function, *J. Liq. Chromatogr RT.*, **2000**, 23(2), 273-280. DOI:10.1081/JLC-100101451.
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41. Teodor Hodisan, Maria Curtui, Simona Codruta Cobzac, Claudia Cimpoi, Iovanca Haiduc, The limit of detection improvement in TLC determination of uranium, and thorium in presence of other metal ions, *J. Radioana Nucl. Chem.*, **1998**, 238, 179-182; DOI:10.1007/BF02385377
42. Costel Sarbu., Simona Codruta.Cobzac, Linearity calibration function validation in thin layer chromatography by variance analysis method, *Rev. Chim.*, **1997**, 48(3), 239-245
43. Monica Culea, Ioan Fenesan, Simona Codruta Cobzac, Simion Gocan, Mihai Chiriac, Nicolae Palibroda, Trace analysis of triazines and organophosphorus pesticides in water, *Fresenius J. Anal.Chem.*, **1996**, 355, 748-749
44. Simion Gocan, Simona Codruta Cobzac, Quantitative determination of hiperosid from *Betula verrucosa* glycerinic extracts using TLC-photodensitometry, *Rev. Chim.*, **1996**, 47, 54 -58

## Reviste BDI

1. Dorina Casoni, Simona Codruța Cobzac, Effect of temperature and mobile-phase pH on the chromatographic behavior of some preservatives in normal and reversed-phase TLC, *Acta Univ. Cibiniensis, seria F, Chemia*, **2009**, 12, 77-90
2. Simona Cobzac, M.Moldovan, N.K.Olah, L.Boboș, E.Surducan, Tannins extraction efficiency from *Rubus idaeus*, *Cydonia oblonga* and *Rumex acetosa* using different extraction techniques and spectrophotometric quantification, *Acta Univ. Cibiniensis, seria F, Chemia*, **2005**, 8, 55-59
3. Ildiko Bros, Mihaela Moldovan, Simona Codruta Cobzac, Emanoil Surducan, Vasile Surducan, Teodor Hodișan, Microwave calorimetry studies for plant extraction application, *Studia UBB Physica*, **2004**, XLIX(3), 135 – 140
4. Simona Codruta Cobzac, Mihaela Moldovan, Ildiko Broș, Emanoil Surducan, Simion Gocan, Microwave extraction of bioactive compound from *Geranium herba*, *Studia UBB Physica*, **2004**, XLIX(3), 11 – 15
5. Simona Codruta Cobzac, Neli Kinga Olah, Carmen Bâtiu, Mihaela Moldovan, Simion Gocan, Anthocyan extraction from *Vaccinium myrtillus* L. fruits using different extraction techniques and spectrophotometric and TLC quantification, *Studia UBB Chemia*, **2004**, XLIX(2), 223-228

6. Simona Codruta Cobzac, Mihaela Moldovan, Neli Kinga Olah, Liviu Boboș, Simion Gocan, Extraction efficiency of flavonoids from *Vaccinium myrtillus* L leaves using different extraction techniques and spectrophotometric quantification, *Studia UBB Chemia*, **2004**, XLIX(2), 229-233.
7. Mihaela Moldovan, Simona Codruta Cobzac, Teodor Hodișan, Extraction and spectrophotometric quantitative analysis of flavonoids from *Tagetes patula*, *Acta Universitatis Cibinensis, Seria F Chemia*, **2004**, 7, 61-64
8. Iovanca Haiduc, Simona Codruta Cobzac, Aurel Mocanu, M.C. Baciuc, Sample handling - chromatographic analysis of trifluralin from environmental sample. II. Water sample, *Studia UBB Chemia*, **2003**, XLVIII(1), 137-142
9. Simion Gocan, Simona Codruta Cobzac, Emil Prodan, Victor Ciovarnache, Supercritical fluid extraction of *Accorus calamus* L. analysis by GC-MS, *Studia UBB Physica*, **2003**, XLVIII(2), 416-419
10. Simona Codruta Cobzac, Simion Gocan, Emanuel Surducian, Carmen Batiu, Neli Kinga Olah, Microwave assisted solvent extraction of some bioactive compounds from *Vaccinium myrtillus* L. leaves, *Studia UBB Physica*, **2003**, XLVIII(2), 374-377
11. Simona Codruta Cobzac, Iovanca Haiduc, Aurel Mocanu, M.C.Baciuc, Sample handling. Chromatographic analysis of trifluralin from environmental sample. I. Water sample, *Studia UBB Chemia*, **2001**, XLVI(1-2), 339-344
12. Simion Gocan, Simona Codruta Cobzac, Analysis of soil sample with high content of triazinic herbicides used TLC-fotodensitometry, *Studia UBB Chemia*, **1997**, 42(1-2), 205-210
13. Simion Gocan, Simona Codruta Cobzac, Viorica Mutu, The atrazine determination from hydroalcoholic plants extracts by HPLC analysis, *Studia UBB Chemia*, **1997**, XLIV(1-2), 227-234
14. Analysis of soil sample with high content of triazinic herbicides used TLC-fotodensitometry, *Studia UBB Chemia*, **1997**, 42(1-2), 205-210
15. Simion Gocan, Simona Codruta Cobzac, Quantitative determination of hiperosid from *Betula verrucosa* glycerinic extracts using TLC-photodensitometry, *Rev. Chim.*, **1996**, 47, 54 -58
16. Simona Codruta Cobzac, Teodor Hodisan, TLC determination of caffeine from some beverage using SPE *Studia UBB Chemia*, **1995**, XL(1-2), 139-144
17. Simion Gocan, Simona Codruta Cobzac, Viorica Mutu, The atrazine determination from hydroalcoholic plants extracts by HPLC analysis, *Studia UBB Chemia*, **1997**, XLIV(1-2), 227-234
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## Participări la Conferințe Internaționale

### Organizare Simpozion Internațional

„In Memoriam Professor Dr. Simion Gocan – Separation Methods” , 13 Octombrie, 2017, Cluj-Napoca, Romania

### Prezentari orale

1. S.C.Cobzac, Synthetic food dyes – sample preparation and analysis, International Conference-Healthy Nutrition and Public Health, May 13-16, **2011**, Brasov - Romania
2. C.S. Cobzac, Thin layer chromatography coupled with image processing, International Conference-New Trends on Sensing - Monitoring – Telediagnosis for Life Sciences, NT SMT-LS 2014, Brasov, Romania, July 24-26, **2014**
3. K. Morawska, N. Festinger, S. Smarzewska, W.Ciesielski, D. Casoni, C.S.A Cobzac, M. Badea, Electroanalytical studies of L-DOPA, International Conference-New Trends on Sensing - Monitoring – Telediagnosis for Life Sciences, NT SMT-LS 2018, Brasov, Romania, July 24-26, **2018**

4. N. Festinger, K. Morawska, S. Smarzewska, W. Ciesielski, D. Casoni, C.S.A Cobzac, M. Badea - Voltammetric determination of D-DOPA on screen-printed carbon electrodes, International Conference-New Trends on Sensing - Monitoring – Telediagnosis for Life Sciences, NT SMT-LS 2018, Brasov, Romania, July 24-26, **2014**
5. S.C.A. Cobzac, M. Badea, Quantitative determination of ochratoxin A from *Glycyrrhiza glabra* alcoholic extracts using 2D-HPTLC and image processing, International Conference-New Trends on Sensing - Monitoring – Telediagnosis for Life Sciences, NT SMT-LS 2018, Brasov, Romania, August 30 - September 1, **2018**

#### Postere

1. Simona Codruta Aurora Cobzac, Characterization of some pepper hydroalcoholic extracts by using thin layer chromatography coupled with image analysis, The 26-th International Symposium of High Performance Thin Layer Chromatography, 9-12 September, **2024**, Budapesta
2. Simona Codruta Aurora Cobzac, Evaluation of the antioxidant activity of medicinal plants extracts based on the antiradical efficiency parameters determined by spectrophotometric assays, The 50th International Conference of SSCHE, 20 - 24 May, **2024**, Tatranské Matliare
3. Covacs Eniko, Dorina Casoni, Simona Codruta Aurora Cobzac, Elemental profile and antioxidant potential of selected medicinal plants from Romanian flora, The 49th International Conference of the Slovak Society of Chemical Engineering SSCHE, 15 - 18 May, **2023**, Tatranské Matliare
4. Simona Codruta Aurora Cobzac, Dorina Casoni, Determination of antioxidant potential of some medicinal plants extracts based on the ABTS•+ separation using micro-HPTLC-IA, The 49th International Conference of SSCHE 15 - 18 May, **2023**, Tatranské Matliare
5. Cobzac Simona Codruta Aurora, Casoni Dorina, Potential use of micro-HPTLC-IA for the antioxidant activity evaluation of some medicinal plant extract from Romanian flora, The 7th International Symposium on Phytochemicals in Medicine and Food, 2 – 7 AUGUST, **2023**, Beijing, China
6. Graziela L. Turdean, Simona Codruta Aurora Cobzac, Determination of the total antioxidant capacity of wines using a conductive polymer modified electrode, The 25th International Conference on Chemistry of the Hungarian Technical Scientific Society of Transylvania (EMT), 24-26 Octombrie, **2019**, Cluj-Napoca, Romania
7. K. Popa, G.L. Turdean, S.C.A. Cobzac, Determination of ibuprofen from film-coated tablets using high performance thin layer chromatography and image processing. Comparison with the European Pharmacopoeia method, International Conference-New Trends on Sensing - Monitoring – Telediagnosis for Life Sciences, NT SMT-LS, August 30 – September, **2018** Brasov, Romania,
8. S.C.A. Cobzac, N.K. Olah, The influence of pedoclimatic conditions on the polyphenol content of some Rosaceae species, International Conference-New Trends on Sensing - Monitoring – Telediagnosis for Life Sciences, NT SMT-LS, August 30 - September 1, **2018**, Brasov, Romania
9. S.C.A.Cobzac, G.L.Turdean, Voltammetric determination of thymol using platinum electrode, International Conference-New Trends on Sensing - Monitoring – Telediagnosis for Life Sciences, NT SMT-LS, August 30 - September 1, **2018**, Brasov, Romania
10. Cobzac S. C., Badea M., Mycotoxin detection from liquorice extracts using TLC, International Conference-New Trends on Sensing - Monitoring – Telediagnosis for Life Sciences, NT SMT-LS, 3-5 Sept, **2015**, Brasov, Romania
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12. N.K.Olah, R.Câmpean, S.Socaci, D.Hanganu, C.C.Toma, S.C.Cobzac, Chromatographic and spectral screening of active compounds from different *Rosmarinus officinalis* L. extracts,

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#### **Membru în comitetul științific al unor manifestări științifice**

1. First International Conference - Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2010, Brașov, June 18th-20th, **2010**
2. International Conference-New Trends on Sensing - Monitoring – Telediagnosis for Life Sciences, NT SMT-LS 2014, Brașov, Romania, July 24-26, **2014**
3. International Conference-New Trends on Sensing - Monitoring – Telediagnosis for Life Sciences, NT SMT-LS 2015, Brașov, Romania, Sept 3-5, **2015**
4. International Conference-New Trends on Sensing - Monitoring – Telediagnosis for Life Sciences, NT SMT-LS 2017, Bucharest, Romania, Sept 7-9, **2017**
5. International Summer School- Food Safety and Healthy Living, FSHL – 2019, June 30-July 3, **2019**, Brașov, Romania

#### **Școli de vară – profesor / lector invitat**

1. Simona Codruta COBZAC, Spectrophotometric analysis of medicinal plant extracts, International Summer School- FOOD SAFETY AND HEALTHY LIVING – FSHL, **2019**, June 30-July 3, **2019**, Brașov, Romania
2. Simona Codruta COBZAC, Liquid sample preparation – Solid phase extraction (SPE), International Intensive Programme - “Telemonitoring and Telediagnostic for Life Sciences” organized in the frame of Erasmus IP project 12-EIP-RO BRASOV01- BIS, 12 – 25 May, **2013**, Brașov