

ACTIVITATE DE CERCETARE (A2)

Activitate A2.1. Articole în reviste cotate ISI Thomson Reuters (WOS Core Collection)

1. Danciu V., Hosu A., **Cimpoiu C.** (2016). Comparative evaluation of antioxidant activity using 1,1-diphenyl-2-picrylhydrazyl and 2,2'-azino-bis(3-Ethylbenzothiazoline-6-Sulphonic Acid) methods, *Journal of Planar Chromatography-Modern TLC*, 29(4), 306-309. DOI: 10.1556/1006.2016.29.4.9 (**autor corespondent**)
2. Porteka B., Mot A.C., **Cimpoiu C.**, Hosu A., Bischin C., Damian G., Fischer Fodor E., Silaghi Dumitrescu R. (2016). Selective Protective Effect of Antioxidant-rich Rumex acetosa Extracts, *Revista de Chimie (Bucharest)*, 67(5), 833-837.
3. Moldovan B., Hosu A., David L., **Cimpoiu C.** (2016). Total phenolics, total anthocyanins, antioxidant and pro-oxidant activity of some red fruits teas, *Acta Chimica Slovenica*, 63(2), 213-219. DOI: 10.17344/acsi.2015.1421 (**autor corespondent**)
4. Hosu A., **Cimpoiu C.** (2016). HPTLC fingerprinting: A useful tool for white wines authentication. *Journal of Liquid Chromatography & Related Technologies*, 39(5-6), 303-307. (**autor corespondent**)
5. Hosu A., Danciu V., **Cimpoiu C.** (2015). Validated HPTLC fingerprinting and antioxidant activity evaluation of twenty-seven Romanian red wines, *Journal of Food Composition and Analysis*, 41, 174-180. (**autor corespondent**)
6. Hosu, A., **Cimpoiu, C.** (2015). A simple TLC method for evaluation of nicotine in cigarettes. *Studia UBB Chemia*, LX (4), 107-114. (**autor corespondent**)
7. Meghesan-Breja A., **Cimpoiu C.**, Hosu, A., (2015). Multiresidue analysis of pesticides and metabolites from fruits and vegetables by gas chromatography-time-of-flight mass spectrometry. *Acta Chromatographica*, 27, 657-685.
8. Muresan, B., **Cimpoiu, C.**, Hosu, A., Bischin, C., Gal, E., Damian, G., Fischer-Fodor, E., Silaghi-Dumitrescu, R. (2015). Antioxidant content in Romanian traditional distilled alcoholic beverages. *Studia UBB Chemia*, LX (2, tom II), 355-370.
9. Hosu, A., Pop, B., **Cimpoiu, C.**, (2015). The Forensic Analysis of Pigments from Some Inks by HPTLC. *Journal of Liquid Chromatography and Related Technologies*, 38, 1109-1112. (**autor corespondent**)

10. Inceu M., Meghesan-Breja A., Sandu I., Hosu A., Pascu L.F., **Cimpoiu C.** (2015). Study Concerning Pesticide Residues in Twenty-seven Romanian White Wines *Revista de Chimie (Bucharest)*, 66(3), 368-372.
11. Avram V., Floare C.G., Hosu A., **Cimpoiu C.**, Măruțoiu C., Moldovan Z., (2015). Characterization of Romanian Wines by Gas Chromatography-Mass Spectrometry. *Analytical Letters*, 48(7), 1099-1116.
12. Meghesan-Breja A., Măruțoiu C., **Cimpoiu C.** (2015). Multi-residues Analysis for 88 Pesticides and Metabolites from Soil by Gas Chromatography-time - of - Flight Mass Spectrometry. *Revista de Chimie (Bucharest)*, 66(1), 32-38.
13. Avram V., Voica C., Hosu A., **Cimpoiu C.**, Măruțoiu C., (2014). ICP-MS characterization of some Roumanian white wines by their mineral content. *Revue Roumaine de Chimie* 59, 1009-1019.
14. Avram V., Magdas D.A., Voica C., Cristea G., **Cimpoiu C.**, Hosu A., Marutoiu C. (2014). Isotopic Oxygen Ratios and Trace Metal Determination in Some Romanian Commercial Wine, *Analytical Letters*, 47(4), 641-653.
15. Hosu A., Cristea V.M., **Cimpoiu C.**, (2014). Analysis of total phenolic, flavonoids, anthocyanins and tannins content in Romanian red wines: Prediction of antioxidant activities and classification of wines using artificial neural networks, *Food Chemistry*, 150, 113-118. **(autor corespondent)**
16. David L., Hosu A., Moldovan B., **Cimpoiu C.** (2014). The evaluation and authentication of red fruits teas by high performance thin-layer chromatographic fingerprinting. *Journal of Liquid Chromatography & Related Technologies* 37(12), 1644-1653. **(autor corespondent)**
17. Puscas A., Hosu A., **Cimpoiu C.** (2013). Application of a newly developed and validated high-performance thin-layer chromatographic method to control honey adulteration. *Journal of Chromatography A* 1272, 132-135. **(autor corespondent)**
18. **Cimpoiu C.**, Hosu A., Miclaus V., Puscas A. (2013). Determination of the floral origin of some Romanian honeys on the basis of physical and biochemical properties. *Spectrochimica Acta A* 100, 149-154. **(prim autor si autor corespondent)**

19. Moldovan B., David L., Chişbora C., **Cimpoiu C.** (2012). Degradation Kinetics of Anthocyanins from European Cranberrybush (*Viburnum opulus L.*) Fruit Extracts. Effects of emperature, pH and Storage Solvent. *Molecules* 17, 11655-11666.
20. Mihaltan A.I., Naghiu A., Tanaselia C., Frentiu T., **Cimpoiu C.** (2012). Essential and toxic elements in toxic supplements determined by ICP-MS. *Studia UBB Chemia*, LVII(1) 47-56.
21. Puscas A., Inceu M., Danciu V., Hosu A., **Cimpoiu C.**, D. Gomoiescu (2012). Analysis of some nutritional supplements derived from Sea Buckthorne and Black Currant. *Studia UBB Chemia* LVII(1) 75-82. (**autor corespondent**)
22. **Cimpoiu C.**, Hosu A., Puscas A. (2012).Thin-layer chromatography with stationary phase gradient as a method for separation of water-soluble vitamins *Journal of Chromatography A*, 1223, 142– 146. (**prim autor si autor corespondent**)
23. Hosu A., **Cimpoiu C.**, Miclaus V., Danciu V., Inceu M. (2011). Antioxidant activity and total phenolic content of some Romanian red wines. *Studia UBB Chemia* LVI(4), 55-62.
24. **Cimpoiu C.**, Maicaneanu A., Hosu A., Bedeleian H. (2011): Preliminary Investigations on Clinoptilolite Usage as Selective Adsorbent for Wastewater Analysis. *Studia UBB Chemia* LVI(1), 243-248. (**autor corespondent**)
25. **Cimpoiu C.**, Cristea V. M., Hosu A., Sandru M., Seserman L. (2011): Antioxidant activity prediction and classification of some teas using artificial neural networks, *Food Chemistry*, 127 (3), 1323-1328. (**prim autor si autor corespondent**)
26. Hosu A., **Cimpoiu C.**, Pop N., Miclaus V., Bolboaca S., Jantschi L. (2011): The Analysis of Different Factors Affecting the Red Wines Antioxidant Content, *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 39 (I), 159-164.
27. Hosu A., **Cimpoiu C.**, Miclaus V., Janschi L. (2011): Antioxidant Content of Three Different Varieties of Wine Grapes, *Biotechnology and Biotechnological Equipment* 25 (1), 2217-2221.
28. **Cimpoiu C.**, Hosu A., Seserman L., Sandru M., Miclaus V. (2010): Simultaneous determination of methylxanthines in different types of tea by a newly developed and validated TLC method. *Journal of Separation Science*, 33, 3794–3799. (**prim autor si autor corespondent**)
29. Hosu A., **Cimpoiu C.**, Miclaus V., Damian G., Tarsiche I., Pop N. (2010): Influence of

- Intermittent Heating during Maceration on the Antioxidant Capacity of some Grape Seeds and Skins. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 38(1), 41-43.
30. Hosu A., **Cimpoiu C.**, Sandru M., Seserman L. (2010): Determination of the Antioxidant Activity of Juices by Thin-Layer Chromatography *Journal of Planar Chromatography-Modern TLC*, 23 (1), 13-16. (**autor corespondent**)
 31. Bolboacă S.D., Pică E.M., **Cimpoiu C.**, Jäntschi L. (2008): Statistical Assessment of Solvent Mixture Models Used for Separation of Biological Active Compounds *Molecules*, 13(8), 1617-1639.
 32. Hodisan T., Casoni D., Beldean-Galea M.S., **Cimpoiu C.** (2008): Identification and quantification of tocopherols in vegetable oils by thin-layer chromatography *Journal of Planar Chromatography-Modern TLC*, 21 (3), 213-215.
 33. **Cimpoiu C.**, Hosu A., Briciu R., Miclaus V. (2007): Monitoring the origin of wine by reversed-phase thin-layer chromatography *Journal of Planar Chromatography-Modern TLC*, 20 (6), 407-410 (**prim autor si autor corespondent**)
 34. Jantschi L., Hodisan S., **Cimpoiu C.**, Hosu A., Darvasi E., Hodisan T. (2007): Modeling of thin-layer chromatographic separation of androstane isomers. *Journal of Planar Chromatography-Modern TLC* 20 (2), 91-94.
 35. **Cimpoiu C.**, Hosu A. (2007): Thin-layer chromatography for the analysis of vitamins and their derivatives. *Journal of Liquid Chromatography & Related Technologies* 30, 701-728 (**prim autor si autor corespondent**)
 36. **Cimpoiu C.**, (2006): Analysis of some natural antioxidants by thin-layer chromatography and high performance thin-layer chromatography. *Journal of Liquid Chromatography & Related Technologies* 29, 1125-1142. (**unic autor**)
 37. **Cimpoiu C.**, Hosu A., Hodisan S., (2006): Analysis of some steroids by thin layer chromatography using optimum mobile phases. *Journal of Pharmaceutical and Biomedical Analysis* 41(2), 633-637. (**prim autor si autor corespondent**)
 38. **Cimpoiu, C.**, Casoni, D., Hosu, A., Miclaus, V., Damian, G., Hodisan, T., (2005): Separation and Identification of Eight Hydrophilic Vitamins Using New TLC Method and Raman Spectroscopy *Journal of Liquid Chromatography & Related Technologies* 28 (16), 2551-2559. (**prim autor si autor corespondent**)
 39. **Cimpoiu, C.**, (2005): Qualitative and Quantitative Analysis by Hyphenated (HP)TLC-

- FTIR Technique. *Journal of Liquid Chromatography & Related Technologies* 28 (7-8), 1203-1213. (**unic autor**)
40. **Cimpoiu, C.**, Miclăuș, V., Damian, G., Puia, M., Casoni, D., Bele, C. and Hodișan, T. (2003): Identification of New Phtalazine Derivatives by HPTLC-FTIR and Characterization of Their Separation Using Some Molecular properties. *Journal of Liquid Chromatography & Related Technologies* 26 (16), 2687-2696. (**prim autor si autor corespondent**)
41. **Cimpoiu, C.**, Miclăuș, V., Damian, G. and Hodișan, S. (2002): Separation and Identification of Some Nitroxidic Derivatives of Nicotinic Acid and *iso*-Nicotinic Acid by HPTLC Coupled with Electronic Paramagnetic Resonance (EPR) *Journal of Liquid Chromatography & Related Technologies* 25(10-11), 1515-1520. (**prim autor si autor corespondent**)
42. **Cimpoiu, C.** and Hodisan, S. (2002): Quantitative Thin Layer Chromatography Analysis by Photodensitometry, *Reviews in Analytical Chemistry* XXI (1), 55-75. (**prim autor si autor corespondent**)
43. **Cimpoiu, C.**, Hodisan, S., Tosa, M., Paizs, Cs., Majdik, C. and Irimie, F. D. (2002): Separation of N-alkyl Phenothiazine Sulfones by High Performance Thin Layer Chromatography (HPTLC) Using an Optimum Mobile Phase. *Journal of Pharmaceutical and Biomedical Analysis* 28, 385-389. (**prim autor si autor corespondent**)
44. **Cimpoiu, C.** and Hodișan, T. (1999): Separarea, identificarea și determinarea Amitriptilinei și Nortriptilinei prin cromatografie pe strat subțire de înaltă performanță (HPTLC) (Separation, Identification and Determination of Amitriptiline and Nortriptiline from by High Performance Thin Layer Chromatography (HPTLC). *Revista de Chimie (Bucharest)* 50 (2), 124-127. (**prim autor**)
45. **Cimpoiu, C.** and Hodișan, T. (1999): Application of Numerical Taxonomy Techniques to the Choice of Optimum Mobile Phase in High-Performance-Thin-Layer-Chromatography (HPTLC). *Journal of Pharmaceutical and Biomedical Analysis* 21, 895-900. (**prim autor si autor corespondent**)
46. Nașcu, H., Jantschi, L., Hodișan, T., **Cimpoiu, C.**, and Cîmpan, G. (1999): Some Applications of Statistics in Analytical Chemistry. *Reviews in Analytical Chemistry*, XVIII (6), 409-456.

47. **Cimpoiu, C.**, Jantschi, L. and Hodişan, T. (1999): A New Mathematical Model for the Optimization of the Mobile Phase Composition in HPTLC and the Comparison with Other Models. *Journal of Liquid Chromatography & Related Technologies* 22 (10), 1429-1441. (**prim autor**)
48. Hodişan, T., Culea, M., **Cimpoiu, C.** and Cot, A. (1998): Separation, Identification and Quantitative Determination of Free Amino Acids from Plant Extract. *Journal of Pharmaceutical and Biomedical Analysis* 18 (3), 319-323.
49. Hodişan, T., Curtui, M., Cobzac, S., **Cimpoiu, C.** and Haiduc, I. (1998): The Limit of Detection (LOD) Improvement in TLC Determination of U and Th in presence of Other Metallic Ions. *Journal of Radioanalytical and Nuclear Chemistry* 238 (1-2), 179-182.
50. **Cimpoiu, C.**, Jantschi, L. and Hodişan, T. (1998): A New Method for the Mobile Phase Optimization in High-Performance-Thin-Layer-Chromatography. *Journal of Planar Chromatography-Modern TLC* 11(3), 191-194. (**prim autor**)
51. Rusu, D., **Cimpoiu, C.** and Hodişan, T. (1998): The Control Over the New obtaining Procedure of Indomethacin. *Journal of Pharmaceutical and Biomedical Analysis* 17 (3), 409-413.
52. Hodişan, T., Culea, M., **Cimpoiu, C.** and Cot, A. (1998): Studiul aminoacizilor liberi din extracte de plante. II. Separarea, identificarea și determinarea cantitativă a aminoacizilor liberi din *Fagus Silvatica* prin cromatografie de lichide (CL) și cromatografie de gaze (CG). *Revista de Chimie (Bucharest)* 49 (6), 393-397.
53. **Cimpoiu C.** and Hodişan, T. (1997): Mobile Phase Optimization in Thin Layer Chromatography (TLC). *Reviews in Analytical Chemistry* XVI (4), 299-322. (**prim autor**)
54. **Cimpoiu C.**, Hodişan, T. and Naşcu, H. (1997): Comparative Study of Mobile Phase Optimization for the Separation of Some 1,4-benzodiazepines. *Journal of Planar Chromatography-Modern TLC* 10 (3), 195-199. (**prim autor**)
55. Hodişan, T., Naşcu, H., **Cimpoiu, C.** and Hopârtean, I. (1996): Optimization of the Mobile Phase System Used for the Separation of the 3,5-pyrazolidine-dione Derivatives by TLC. *Revue Roumaine de Chimie* 41(1-2), 85-90.
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Brevete de inventive si inovatie

1. Chintoanu M., **Cimpoiu C.**, Costineanu D., Ferenczi L., Ghirisan A., Miclaus V., Miclean M., Ozunu A., Roman, C. (2010). Process for depolluting water containing medicamental hormonal and xenoestrogenic organic substances, RO125296-A2.

Declar pe proprie raspundere ca datele corespund cu realitatea

Cluj-Napoca,

19.07.2016

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CALCULE ACTIVITATE A2.1

Tabel centralizator pe reviste ISI, nr de articole și factori de impact. Factori de impact conform bazei de date Thomson Reuters 2015. Accesat 19.07. 2016

Revista	Nr articole	Factor de impact	Total
<i>Journal of Planar Chromatography-Modern TLC</i>	7	0.611	4.277
<i>Revista de Chimie (Bucharest)</i>	6	0.810	4.86
<i>Acta Chimica Slovenica</i>	1	0.686	0.686
<i>Journal of Liquid Chromatography & Related Technologies</i>	10	0.606	6.060
<i>Journal of Food Composition and Analysis</i>	1	1.985	1.985
<i>Studia UBB Chemia</i>	6	0.191	1.146
<i>Acta Chromatographica</i>	1	0.577	0.577
<i>Analytical Letters</i>	2	1.030	2.060
<i>Revue Roumaine de Chimie</i>	2	0.311	0.622
<i>Food Chemistry</i>	2	3.391	6.782
<i>Journal of Chromatography A</i>	2	4.169	8.338
<i>Spectrochimica Acta A</i>	1	2.653	2.653
<i>Molecules</i>	2	2.465	4.930
<i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i>	2	0.547	1.094
<i>Biotechnology and Biotechnological Equipment</i>	1	0.373	0.373
<i>Journal of Separation Science</i>	1	2.737	2.737
<i>Journal of Pharmaceutical and Biomedical Analysis</i>	5	3.169	15.845
<i>Reviews in Analytical Chemistry</i>	3	1.378	4.134

<i>Journal of Radioanalytical and Nuclear Chemistry</i>	1	0.983	0.983
TOTAL (A2.1)	56		70.142

Declar pe proprie raspundere ca datele corespund cu realitatea

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