

2FIȘA DE VERIFICARE
a îndeplinirii standardelor pentru postul de **profesor universitar**

Prof. Univ. Habil. Dr. Claudia Valentina CIMPOIU

Fișa de verificare (conform anexelor):

Standard	Valoare minimala impusa	Valoare finala proprie	Grad de indeplinire
N _{max}	50	50	Da
FIC	100	173.958	Da
FIC _p	70	172.196	Da
FIC _{AP}	50	134.843	Da
FIC _{AC}	25	125.059	Da
h index	14	21	Da
Director grant/ proiect de cercetare	1	2	Da
Atestat de abilitare/ conducator de doctorat	Da	Da	Da

Domeniu stiintific – Chimie/Chimie analitica

Anexa 1 – Factori de impact din ultimul an

Nr	Articol	FIC	FIC _p	FIC _{AP}	FIC _{AC}
1	Büker, E., Kayabaş Avşar, A., Yildirim, E., Casoni, D., Cobzac, S.C.A., Cimpoiu, C. (2025) Unveiling the potential of three endemic <i>Gypsophila</i> L. (Caryophyllaceae) as promising carbonic anhydrase inhibitors - bio-metabolic profiles and <i>in vitro</i> evaluation of enzyme inhibition and antioxidant capacity. <i>Antioxidants</i> , 14(2),219; https://doi.org/10.3390/antiox14020219	6.0	6.0	6.0	6.0
2	Rad, R., Hosu, A., Cimpoiu, C. (2025). Matrix-matching calibration as a new approach for quantitation of monosodium glutamate in food seasoning powders using high performance thin layer chromatography. <i>Journal of Food Composition and Analysis</i> , 139, 107153. https://doi.org/10.1016/j.jfca.2024.107153	4.0	4.0	4.0	4.0
3	Baumli, J., Antal, N., Casoni, D., Cimpoiu, C. (2023). Use of Secondary Metabolites Profiling and Antioxidant Activity to Unravel the Differences between Two Species of Nettle. <i>Plants</i> , 12, 3233. https://doi.org/10.3390/plants12183233	4.5	4.5	4.5	4.5
4	Scrob, T., Filip, G.A., Baldea, I., Varodi, S.M., Cimpoiu, C. (2023). Sweeteners' influence on in vitro α -glucosidase inhibitory activity, cytotoxicity, stability and in vivo bioavailability of the anthocyanins from lingonberry jams. <i>Foods</i> , 12, 2569. https://doi.org/10.3390/foods12132569	5.2	5.2	5.2	5.2
5	Scrob T., Varodi S.M., Vintila G-A., Casoni D., Cimpoiu C. (2022). Estimation of degradation kinetics of bioactive compounds in several lingonberry jams as affected by different sweeteners and storage conditions, <i>Food Chemistry-X</i> , 100471	6.443	6.443	6.443	6.443

6	Scrob T., Hosu A., Cimpoiu C. (2022). Sweeteners from Different Lingonberry Jams Influence on Bioaccessibility of Vitamin C, Anthocyanins and Antioxidant Capacity under In Vitro Gastrointestinal Digestion, <i>Antioxidants</i> , 11, 442.	7.675	7.675	7.675	7.675
7	Scrob T., Covaci E., Hosu A., Tanaselia C., Casoni D., Torok A.I., Frentiu T., Cimpoiu C. (2022). Effect of in vitro simulated gastrointestinal digestion on some nutritional characteristics of several dried fruits. <i>Food Chemistry</i> , 385, 132713	9.231	9.231	9.231	9.231
8	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, <i>Food Chemistry</i> , 150, 113-118	9.231	9.231	9.231	9.231
9	Cimpoiu C. , Cristea V. M., Hosu Anamaria, Sandru M., Seserman L. (2011): Antioxidant activity prediction and classification of some teas using artificial neural networks, <i>Food Chemistry</i> , 127 (3), 1323-1328	9.231	9.231	9.231	9.231
10	Scrob T., Hosu A., Cimpoiu C. (2019). The Influence of in Vitro Gastrointestinal Digestion of Brassica oleracea Florets on the Antioxidant Activity and Chlorophyll, Carotenoid and Phenolic Content. <i>Antioxidants</i> 8(212) 1-11.	7.675	7.675	7.675	7.675
11	Puscas A., Hosu A., Cimpoiu C. (2013). Application of a newly developed and validated high-performance thin-layer chromatographic method to control honey adulteration. <i>Journal of Chromatography A</i> , 1272, 132-135	4.601	4.601	4.601	4.601
12	Cimpoiu C. , Hosu A., Puscas A. (2012). Thin-layer chromatography with stationary phase gradient as a method for separation of water-soluble vitamins <i>Journal of Chromatography A</i> , 1223, 142– 146	4.601	4.601	4.601	4.601
13	Moldovan B., David L., Chişbora C., Cimpoiu C. (2012). Degradation Kinetics of Anthocyanins from European Cranberrybush (<i>Viburnum opulus L.</i>) Fruit Extracts. Effects of Temperature, pH and Storage Solvent. <i>Molecules</i> 17, 11655-11666	4.927	4.927	-	-
14	Bolboacă S.D., Pică E.M., Cimpoiu C. , Jäntschi L. (2008). Statistical Assessment of Solvent Mixture Models Used for Separation of Biological Active Compounds <i>Molecules</i> , 13(8), 1617-1639	4.927	4.927	-	-
15	Hosu A., Danciu V., Cimpoiu C. (2015) Validated HPTLC fingerprinting and antioxidant activity evaluation of twenty-seven Romanian red wines, <i>Journal of Food Composition and Analysis</i> , 41, 174-180	4.52	4.52	4.52	4.52
16	Cimpoiu C. , Hosu A., Hodisan S. (2006): Analysis of some steroids by thin layer chromatography using optimum mobile phases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> 41(2), 633-637	3.571	3.571	3.571	3.571
17	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> 28, 385-389	3.571	3.571	3.571	-

18	Cimpoiu, C. and Hodişan, T. (1999): Application of Numerical Taxonomy Techniques to the Choice of Optimum Mobile Phase in High-Performance-Thin-Layer-Chromatography (HPTLC). <i>Journal of Pharmaceutical and Biomedical Analysis</i> 21, 895-900	3.571	3.571	3.571	-
19	Hodişan, T., Culea, M., Cimpoiu, C. and Cot, A. (1998): Separation, Identification and Quantitative Determination of Free Amino Acids from Plant Extract. <i>Journal of Pharmaceutical and Biomedical Analysis</i> 18 (3), 319-323	3.571	3.571	-	-
20	Rusu, D., Cimpoiu, C. and Hodişan, T. (1998): The Control Over the New obtaining Procedum of Indomethacin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> 17 (3), 409-413	3.571	3.571	-	-
21	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. <i>Spectrochimica Acta A</i> 100, 149-154	4.831	4.831	4.831	4.831
22	Cimpoiu, C. and Hodisan, S. (2002): Quantitative Thin Layer Chromatography Analysis by Photodensitometry, <i>Reviews in Analytical Chemistry XXI</i> (1), 55-75	2.458	2.458	2.458	2.458
23	Naşcu, H., Jantschi, L., Hodişan, T., Cimpoiu, C. , and Cîmpan, G. (1999): Some Applications of Statistics in Analytical Chemistry. <i>Reviews in Analytical Chemistry, XVIII</i> (6), 409-456	2.458	2.458	-	-
24	Cimpoiu, C. and Hodişan, T. (1997): Mobile Phase Optimization in Thin Layer Chromatography (TLC). <i>Reviews in Analytical Chemistry XVI</i> (4), 299-322	2.458	2.458	2.458	-
25	Farcas A.D., Mot A.C., Zagrean-Tuza C., Toma V., Cimpoiu C. , Hosu A., Parvu M., Roman I., Silaghi-Dumitrescu R. (2018). Chemo-mapping and biochemical-modulatory and antioxidant/prooxidant effect of Galium verum extract during acute restraint and dark stress in female rats. <i>PLoS ONE</i> 13(7): e0200022	3.752	3.752	-	-
26	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. <i>Journal of Separation Science</i> , 33, 3794–3799	3.614	3.614	3.614	3.614
27	Cimpoiu C. , Hosu A. (2014). Chapter 16 - “TLC of anxiolytics and sedatives” in <i>Thin Layer Chromatography in Drug Analysis</i> , Edited by Lukasz Komsta, Monika Waksmundzka- Hajnos and Joseph Sherma, CRC Press - Taylor & Francis Group (ISBN 9781466507159), p.279-322	2	2	2	-
28	Hosu A., Cimpoiu C. (2014). Chapter 45 - “Thin-Layer Chromatography of tuberculostatic drugs” in <i>Thin Layer Chromatography in Drug Analysis</i> , Edited by Lukasz Komsta, Monika Waksmundzka Hajnos and Joseph Sherma, CRC Press - Taylor & Francis Group (ISBN-9781466507159), p. 865-874	2	2	2	2

29	Cimpoiu C. , Hosu A., Miclaus V. (2013). Analysis of Antioxidant Compounds in Different Types of Tea. In <i>Tea Health and Disease Prevention</i> , Victor R. Preedy ed., Elsevier, p. 79-89	2	2	2	2
30	Cimpoiu, C. , (2003): Optimization. In: <i>Handbook of Thin Layer Chromatography</i> , Eds. Sherma, J. and Fried B. (New York: Marcel Dekker Press), 81-98	2	2	2	2
31	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, <i>Revista de Chimie (Bucharest)</i> , 67(5), 833-837	1.755	1.755	-	-
32	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 <i>Revista de Chimie (Bucharest)</i> , 66(3), 368-372	1.755	1.755	1.755	1.755
33	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. <i>Revista de Chimie (Bucharest)</i> , 66(1), 32-38	1.755	1.755	1.755	1.755
34	Cimpoiu, C. , Hodișan, T. (1999): Separarea, identificarea și determinarea Amitriptilinei și Nortriptilinei prin cromatografie pe strat subțire de înaltă performanță (HPTLC). <i>Revista de Chimie (Bucharest)</i> 50 (2), 124-127	1.755	1.755	1.755	-
35	Hodișan, T., Culea, M., Cimpoiu, C. , 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). <i>Revista de Chimie (Bucharest)</i> 49 (6), 393-397	1.755	1.755	-	-
36	Sârbu, C., Cimpoiu, C. , Hodișan, T. (1995): Studiul aminoacizilor liberi din extracte de plante (The Study of Free Amino-Acids from Plant Extracts). <i>Revista de Chimie (Bucharest)</i> 46 (6), 581-584	1.755	1.755	-	-
37	(2016). Study of the Antioxidant Property Variation of Cornelian Cherry Fruits during Storage Using HPTLC and Spectrophotometric Assays. <i>Journal of Analytical Methods in Chemistry</i> , Volume 2016, Article ID 2345375, 5 pages. http://dx.doi.org/10.1155/2016/234537	2.594	2.594	-	-
38	Hosu A. Floare-Avram V., Magdas A.D., Feher I., Inceu M., Cimpoiu C. (2016). The Influence of the Variety, Vineyard, and Vintage on the Romanian White Wines Quality. <i>Journal of Analytical Methods in Chemistry</i> , Volume 2016, Article ID 4172187, 10 pages, http://dx.doi.org/10.1155/2016/4172187	2.594	2.594	2.594	2.594

39	Avram V., Floare C.G., Hosu A., Cimpoi C. , Măruțoiu C., Moldovan Z., (2015). Characterization of Romanian Wines by Gas Chromatography-Mass Spectrometry. <i>Analytical Letters</i> , 48(7), 1099-1116	2.267	2.267	-	-
40	Avram V., Magdas D.A., Voica C., Cristea G., Cimpoi C. , Hosu A., Marutoiu C., (2014). Isotopic Oxygen Ratios and Trace Metal Determination in Some Romanian Commercial Wine, <i>Analytical Letters</i> , 47(4), 641-653	2.267	2.267	-	-
41	Hodișan, T., Curtui, M., Cobzac, S., Cimpoi, C. and Haiduc, I. (1998): The Limit of Detection (LOD) Improvement in TLC Determination of U and Th in presence of Other Metallic Ions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> 238 (1-2), 179-182	1.754	1.754	-	-
42	Hosu Anamaria, Cimpoi C. , Miclaus V., Janschi L. (2011): Antioxidant Content of Three Different Varieties of Wine Grapes, <i>Biotechnology and Biotechnological Equipment</i> , 25 (1), 2217-2221	1.762	-	-	-
43	Moldovan B., Hosu A., David L., Cimpoi C. , (2016). Total phenolics, total anthocyanins, antioxidant and pro-oxidant activity of some red fruits teas, <i>Acta Chimica Slovenica</i> , 63(2), 213-219	1.735	1.735	1.735	1.735
44	Hosu, A., Cimpoi C. (2020). Evaluation of various biological activities of natural compounds by TLC/HPTLC. <i>Journal of Liquid Chromatography & Related Technologies</i> , https://doi.org/10.1080/10826076.2020.1725548	1.467	1.467	1.467	1.467
45	Scrob T., Hosu A., Cimpoi C. (2019) Trends in analysis of vegetables by high performance TLC. <i>Journal of Liquid Chromatography & Related Technologies</i> , 42(9-10), 249-257.	1.467	1.467	1.467	1.467
46	Danciu V., Hosu A., Cimpoi C. (2018). Thin-layer chromatography in spices analysis. <i>Journal of Liquid Chromatography & Related Technologies</i> 41(6), 282-300. DOI: 10.1080/10826076.2018.1447895	1.467	1.467	1.467	1.467
47	Hosu A., Cimpoi C. (2017). Thin-layer chromatography applied in quality assessment of beverages derived from fruits. <i>Journal of Liquid Chromatography & Related Technologies</i> 49(5-6), 239-246	1.467	1.467	1.467	1.467
48	Hosu A., Cimpoi C. , (2016). HPTLC fingerprinting: A useful tool for white wines authentication. <i>Journal of Liquid Chromatography & Related Technologies</i> , 39(5-6), 303-307	1.467	1.467	1.467	1.467
49	Hosu A., Pop B., Cimpoi C. (2015). The Forensic Analysis of Pigments from Some Inks by HPTLC. <i>Journal of Liquid Chromatography & Related Technologies</i> , 38, 1109-1112	1.467	1.467	1.467	1.467

50	David L., Hosu A., Moldovan B., Cimpoi C. (2014). The evaluation and authentication of red fruits teas by high performance thin-layer chromatographic fingerprinting. <i>Journal of Liquid Chromatography & Related Technologies</i> 37(12), 1644-1653	1.467	1.467	1.467	1.467
	TOTAL	173.958	165.132	134.843	125.059

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