

**FIȘĂ DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE PENTRU ABILITARE
SHEET FOR CHECKING THE FULFILMENT OF THE MINIMAL STANDARDS FOR HABILITATION**

Assoc. Prof. MARIANA-ATENA POIANĂ

DOMENIUL FUNDAMENTAL: ȘTIINTE INGINERESTI/FIELD: ENGINEERING SCIENCE

COMISIA: INGINERIA RESURSELOR VEGETALE SI ANIMALE/COMMISSION: ENGINEERING OF PLANT AND ANIMAL RESOURCES

DOMENIUL ȘTIINȚIFIC: INGINERIA PRODUSELOR ALIMENTARE/ THE SCIENTIFIC FIELD: FOOD ENGINEERING

CRITERIILE P ȘI I/THE CRITERIA P AND I

Nr. Publicație/ No. publication	Referința bibliografică/Bibliographic reference	si	ni	pi	si/ni	si/pi
1	Poiana M.A. , Munteanu M.F., Bordean D.M., Gligor R., Alexa E.. <i>Assessing the effects of different pectins addition on color quality and antioxidant properties of blackberry jam</i> . Chemistry Central Journal 2013, 7:121. Additional information: doi:10.1186/1752-153X-7-121, Published: 15 July 2013, ISSN 1752-153X http://journal.chemistrycentral.com/content/7/1/121 , Accession Number in WEB of SCIENCE: WOS:000322034300001	1.429	5	1	0.2858	1.429
2	Alexa E., Dehelean C.A., Poiana M.A. , Radulov I., Cimpean A.M., Bordean D.M., Tulcan C. and Pop G., <i>The occurrence of mycotoxins in wheat from western Romania and histopathological impact as effect of feed intake</i> . Chemistry Central Journal 2013, 7:99. Additional information: doi:10.1186/1752-153X-7-99, Published: 10 June 2013, ISSN 1752-153X http://journal.chemistrycentral.com/content/7/1/99 , Accession Number in WEB of SCIENCE: WOS:000321140900001	1.429	8	-	0.1786	-
3	Sumalan R.M., Alexa E., Poiana M.A. . <i>Assessment of inhibitory potential of essential oils on natural mycoflora and Fusarium mycotoxins production in wheat</i> . Chemistry Central Journal. 2013, 7:32. Additional information: doi:10.1186/1752-153X-7-32, Published: 14 February 2013, ISSN 1752-153X http://journal.chemistrycentral.com/content/7/1/32 , Accession Number in WEB of SCIENCE: WOS:000315956500001	1.429	3	-	0.4763	-
4	Poiana M.A. . <i>Enhancing oxidative stability of sunflower oil during convective and microwave heating using grape seed extract</i> . International Journal of Molecular Sciences. 2012, 13(7): 9240-9259. Additional information: doi:10.3390/ijms13079240, Published: 24 July 2012, ISSN: 1422-0067. http://www.mdpi.com/1422-0067/13/7/9240 , Accession Number in WEB of SCIENCE: WOS:000306760000041	2.088	1	1	2.088	2.088
5	Alexa E., Poiana M.A. , Sumalan R.M. <i>Mycoflora and ochratoxin A control in wheat grain using natural extracts obtained from wine industry by-products</i> . International Journal of Molecular Sciences. 2012, 13(4):4949-4967. Additional information: doi:10.3390/ijms13044949, ISSN: 1422-0067. Published: 19 April 2012 http://www.mdpi.com/1422-0067/13/4/4949 , Accession Number in WEB of SCIENCE: WOS:000303454700062	2.088	3	1	0.696	2.088
6	Poiana M.A. , Alexa E., Mateescu C. <i>Tracking antioxidant properties and color changes in low-sugar bilberry jam as effect of processing, storage and pectin concentration</i> . Chemistry Central Journal, 2012, 6:4. Additional information: doi:10.1186/1752-153X-6-4, Published: 16 January 2012, ISSN 1752-153X http://journal.chemistrycentral.com/content/6/1/4 , Accession Number in WEB of SCIENCE: WOS:000303148100001	1.429	3	1	0.4763	1.429
Indicator realizat/Achieved indicator					I=4.201	P=7.034
Standarde minimale pentru abilitare (conform Ord. 4478/2011) Minimal standards for habilitation (according to Ord. 4478/2011)					I(min)=3	P(min)=1.5

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CRITERIUL C/THE CRITERION C

Nr. publicației care citează/ No. publication which cites	Referința bibliografică a publicației k care citează/Bibliographic reference of publication k which cites	s(k)	SUM (sk)	n(i)	(1/n(i))*SUM (sk)
	Poiana M.A., Dobrei A. Stoin D., Ghita A. <i>The influence of viticultural region and the ageing process on the color structure and antioxidant profile of Cabernet Sauvignon red wines.</i> Journal of Food, Agriculture and Environment. 2008, 6(3&4):104-108, ISSN 1459-0255, http://world-food.net/download/journals/2008-issue_3_4/f22.pdf, Accession Number in WEB of SCIENCE: WOS:000260597200023, CITATĂ DE:		5.765	4	1.441
A1	Baiano A., Terracone C., Gambacorta G., La Notte E. <i>Phenolic Content and Antioxidant Activity of Primitivo Wine: Comparison among Winemaking Technologies.</i> Journal of Food Science. 2009, 74(3):C258-C267, ISSN 0022-1147, DOI: 10.1111/j.1750-3841.2009.01101.x., http://onlinelibrary.wiley.com/doi/10.1111/j.1750-3841.2009.01101.x/abstract , Accession Number in WEB of SCIENCE: WOS:000264883300014	1.665			
A2	Brewer M.S., Natural antioxidants: sources, compounds, mechanisms of action, and potential applications, Comprehensive Reviews in Food Science and Food Safety. 2011, 10(4): 221-247, ISSN 1541-4337, DOI: 10.1111/j.1541-4337.2011.00156.x, http://onlinelibrary.wiley.com/doi/10.1111/j.1541-4337.2011.00156.x/full , Accession Number in WEB of SCIENCE: WOS:000294125400003	4.100			
	Poiana M.A., Moigradean D., Raba D., Alda L., Popa M. <i>The effect of long-term frozen storage on the nutraceutical compounds, antioxidant properties and color indices of different kinds of berries.</i> Journal of Food, Agriculture and Environment. 2010, 8(1):54-58, ISSN 1459-0255, http://world-food.net/download/journals/2010-issue_1/12.pdf, Accession Number in WEB of SCIENCE: WOS:000273727300012, CITATĂ DE:		8,635	5	1.727
B1	Bobinaitė R., Viškelis P., Rimantas Venskutonis P. <i>Variation of total phenolics, anthocyanins, ellagic acid and radical scavenging capacity in various raspberry (Rubus spp) cultivars.</i> Food Chemistry. 2012, 132(3):1495-1501, ISSN 0308-8146, http://dx.doi.org/10.1016/j.foodchem.2011.11.137 , http://www.sciencedirect.com/science/article/pii/S0308814611017511 , Accession Number in WEB of SCIENCE: WOS: 000301022400052	2.576			
B2	DeLong JM, Hodges DM, Prange RK, Forney CF, Toivenon PMA, Bishop MC, Elliot, ML and Jordan MA. <i>The unique fatty acid and antioxidant composition of ostrich fern (Matteuccia struthiopteris) fiddleheads.</i> Canadian Journal of Plant Science. 2011, 91(5):919-930, ISSN 0008-4220, doi: 10.4141/cjps2010-042, http://www.fiddleheadheaven.com/resources/DeLongFinalFHArticleAug2011.pdf , Accession Number in WEB of SCIENCE: WOS:000294746600012	0.668			
B3	Michiels J. A. , Kevers C. , Pincemail J., Defraigne J.O., Dommès J. <i>Extraction conditions can greatly influence antioxidant capacity assays in plant food matrices.</i> Food Chemistry. 2012, 130(4):986-993, ISSN 0308-8146, http://dx.doi.org/10.1016/j.foodchem.2011.07.117 , http://www.sciencedirect.com/science/article/pii/S0308814611010934 , Accession Number in WEB of SCIENCE: WOS:000296124600030	2.576			
B4	DeLong J.M., Hodges D.M., Prange R.K., Forney C.F., Fan L., Bishop M.C., Elliot M.L., Jordan M.A., Doucette C. <i>The influence of cold water storage on fatty acids, antioxidant content and activity, and microbial load in ostrich fern (Matteuccia struthiopteris) fiddleheads.</i> Canadian Journal of Plant Science. 2013, 93(4): 683-697, doi: 10.4141/cjps2012-165, ISSN 0008-4220, http://pubs.aic.ca/doi/abs/10.4141/cjps2012-165 , Accession Number in WEB of SCIENCE: WOS:000322052600013	0.668			

B5	Arencibia A.D., Vergara C., Quiroz K., Carrasco B., García-Gonzales R. <i>Establishment of photomixotrophic cultures for raspberry micropropagation in Temporary Immersion Bioreactors (TIBs)</i> . Scientia Horticulturae. 2013, 160:49–53, ISSN 0304-4238, http://dx.doi.org/10.1016/j.scienta.2013.05.010 , http://www.sciencedirect.com/science/article/pii/S0304423813002379 , Accession Number in WEB of SCIENCE: WOS:000323586400007	2.147			
	Alexa E., Sumalan R., Negrea M., Bragea M., Poiana M.A. , Radulov I., Lazureanu A. <i>Studies on the biodegradation capacity of 14C-labelled glyphosate in vine plantation soils</i> . Journal of Food, Agriculture & Environment, 2010, 8(3&4):1199-1204, ISSN 1459-0255, http://world-food.net/download/journals/2010-issue_3_4/48(3).pdf , Accession Number in web of science: WOS:000286040100092, CITATĂ DE:	0.636	7		0.091
C1	Min Sheng; Chantal Hamel, Myriam R. Fernandez. <i>Cropping practices modulate the impact of glyphosate on arbuscular mycorrhizal fungi and rhizosphere bacteria in agroecosystems of the semiarid prairie</i> . Canadian Journal of Microbiology, 2012, 58(8):990-1001, ISSN 0008-4166, doi: 10.1139/w2012-080, http://www.ncbi.nlm.nih.gov/pubmed/22827807 , Accession Number in WEB of SCIENCE: WOS:000306967700006	0.636			
	Stoin D., Pirsan P., Radu F., Poiana M.A. , Alexa E., Dogaru D. <i>Studies regarding the myrosinase enzymatic activity from black mustard seeds (Brassica nigra)</i> , Journal of Food, Agriculture&Environment, 2009, 17(1):44-47, ISSN 1459-0255, http://world-food.net/download/journals/2009-issue_1/f9.pdf , Accession Number in WEB of SCIENCE: WOS:000262269000009, CITATĂ DE:	2.881	6		0.480
D1	Marton M.R., Krumbein A., Platz S., Schreiner M., Rohn S., Rehmers A., Lavric V., Mersch-Sundermann V., Lamy E. <i>Determination of bioactive, free isothiocyanates from a glucosinolate-containing phytotherapeutic agent: A pilot study with in vitro models and human intervention</i> . Fitoterapia. 2013, 85:25-34, ISSN 0367-326X, doi: 10.1016/j.fitote.2012.12.016, http://www.ncbi.nlm.nih.gov/pubmed/23266726 , Accession Number in WEB of SCIENCE: WOS:000317172000005	0.947			
D2	Tanongkankit Y., Sablani S.S., Chiewchan N., Devahastin S. <i>Microwave-assisted extraction of sulforaphane from white cabbages: Effects of extraction condition, solvent and sample pretreatment</i> . Journal of Food Engineering. 2013, 117(1):151–157, ISSN 0260-8774, http://dx.doi.org/10.1016/j.jfoodeng.2013.02.011 , http://www.sciencedirect.com/science/article/pii/S0260877413000836 , Accession Number in WEB of SCIENCE: WOS:000317890500019	1.934			
	Sumalan R.M., Alexa E., Poiana M.A. <i>Assessment of inhibitory potential of essential oils on natural mycoflora and Fusarium mycotoxins production in wheat</i> . Chemistry Central Journal. 2013, 7:32, doi:10.1186/1752-153X-7-32, ISSN 1752-153X http://journal.chemistrycentral.com/content/7/1/32 , Accession Number in WEB of SCIENCE: WOS:000315956500001, CITATĂ DE:	0.880	3		0.293
E1	Friedman M., Rasooly R. <i>Review of the Inhibition of Biological Activities of Food-Related Selected Toxins by Natural Compounds</i> . Toxins. 2013, 5(4):743-775; doi:10.3390/toxins5040743, ISSN 2072-6651, http://www.mdpi.com/2072-6651/5/4/743 , Accession Number in WEB of SCIENCE: WOS:000318037500009	0.880			
	Popa V.M., Bele C., Poiana M.A. , Dumbrava D., Raba D.N., Jianu C. <i>Evaluation of bioactive compounds and of antioxidant properties of some oils obtained from food industry by-products</i> , Romanian Biotechnological Letters, 2011, 16(3):6234-6241, ISSN 1224-5984, http://www.rombio.eu/rbl3vol16/12%20Mirela%20Popa.pdf , Accession Number in WEB of SCIENCE: WOS:000292280200012, CITATĂ DE:	0.268	6		0.044
F1	Tekeli A. <i>Effects of Apricot Kernel Oil on Selected Performance and Blood Parameters and Meat Fatty Acid Composition of Broilers</i> . Journal of Animal and Veterinary Advances. 2012, 11(20):3697-3704, DOI: 10.3923/javaa.2012.3697.3704, http://docsdrive.com/pdfs/medwelljournals/javaa/2012/3697-3704.pdf , Accession Number in WEB of SCIENCE: WOS:000315854900005	0.268			
	Moigradean D, Poiana MA , Gogoasa I, Harmanescu M, Gergen I, Lazureanu A: <i>The correlations between total antioxidant capacity and total polyphenol content established for tomatoes</i> . Lucrări științifice medicină veterinară 2007, XL:486–489, http://www.usab-tm.ro/vol7MV/85_vol7.pdf , CITATĂ DE	1.429	6		0.238
G1	Stef DS, Gergen I. <i>Effect of mineral-enriched diet and medicinal herbs on Fe, Mn, Zn, and Cu uptake in chicken</i> . Chemistry Central Journal 2012, 6:19, doi:10.1186/1752-153X-6-19, http://download.springer.com/static/pdf/568/art%253A10.1186%252F1752-153X-6-19.pdf?auth66=1384972229_49e2a3d92b8c96eb6fed908d9a26ea56&ext=.pdf , Accession Number in WEB of SCIENCE: WOS:000303341800001	1.429			
	Moigradean D., Lazureanu A., Poiana M.A. , Harmanescu M., Gogoasa I., Gergen I. <i>The influence of mineral fertilization about nitrogen content in soil, plant and tomato fruit</i> . Bull Univ Agric Sci Vet Med Cluj-Napoca Horti 2008, 65:172–177, http://journals.usamvcluj.ro/index.php/horticulture/article/view/501/528 , CITATĂ DE:	1.429	6		0.238
H1	Nica D.V, Bura M., Gergen I., Harmanescu M., Bordean D.M. <i>Bioaccumulative and conchological assessment of heavy metal transfer in a soil-plant-snail food chain</i> . Chemistry Central Journal 2012, 6:55, doi:10.1186/1752-153X-6-55, http://journal.chemistrycentral.com/content/6/1/55 , Accession Number in WEB of SCIENCE: WOS:000310297400001	1.429			

Harmanescu M, Dragan S, Poiana M.A. , Cioban C, Moigradean D, Gogoasa I, Gergen I. <i>Metals composition of some functional food components: tomato sauce and degreased soy</i> . LUCRĂRI ȘTIINȚIFICE MEDICINA VETERINARA, 2007, XL:243–252, ISSN 1221-5295, http://www.usab-tm.ro/vol7MV/43_vol7.pdf , CITATĂ DE:		1.429	7	0.204
I1	Gergen I., Harmanescu M. <i>Application of principal component analysis in the pollution assessment with heavy metals of vegetable food chain in the old mining areas</i> . Chemistry Central Journal 2012, 6:156 doi:10.1186/1752-153X-6-156, http://download.springer.com/static/pdf/851/art%253A10.1186%252F1752-153X-6-156.pdf?auth66=1384973772_46e0aa8c444f97976bc9973b86262af2&ext=.pdf , Accession Number in WEB of SCIENCE: WOS:000315270000001	1.429		
Moigradean D., Poiana M.A., Gogoasa I., Quality characteristics and oxidative stability of coconut oil during storage. Journal of Agroalimentary Processes and Technologies 2012, 18(4):272-276, http://journal-of-agroalimentary.ro/admin/articole/35400L04_Moigradean_Vol.18_4_2012_272-276.pdf, CITATĂ DE:		0.712	3	0.237
J1	Meena Kumari M., Philip D. <i>Facile one-pot synthesis of gold and silver nanocatalyst using edible coconut oil</i> . Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. 2013, 111:154–160, http://dx.doi.org/10.1016/j.saa.2013.03.076 , http://www.sciencedirect.com/science/article/pii/S1386142513002977 , Accession Number in WEB of SCIENCE: WOS:000320481700021	0.712		
Mucete D., Radu F., Poiană M. , Jianu I. <i>Myrosinase activity in Armoracia rusticana</i> , Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Serie Agriculture/Horticulture. 2006, 62:88-93, ISSN 1454-2382, http://journals.usamvcluj.ro/index.php/agriculture/article/view/1567/1538 , Accession Number in WEB of Science: WOS:000245237700016, CITATĂ DE:		1.211	4	0.303
K1	Agneta R., Möllers C., Rivelli A.R. <i>Horseradish (Armoracia rusticana), a neglected medical and condiment species with a relevant glucosinolate profile: a review</i> . Genetic Resources and Crop Evolution, 60:1923–1943, Print ISSN 0925-9864, DOI 10.1007/s10722-013-0010-4, http://link.springer.com/article/10.1007/s10722-013-0010-4 , Accession Number in WEB of SCIENCE: WOS:000325426700002	1.211		
Poiana M.A., Moigradean D., Dogaru D., Mateescu C., Raba D., Gergen I. Processing and storage impact on the antioxidant properties and color quality of some low sugar fruit jams. Romanian Biotechnological Letters. 2011, 16(5):6504-6512, ISSN 1224-5984, http://www.rombio.eu/rbl5vol16/6%20POIANA%20M.pdf, Accession Number in WEB of SCIENCE: WOS:000296488700006, CITATĂ DE:		1.957	6	0.326
L1	Carvalho V.S., Damiani C., Asquieri E.R., Orsi D.C., Nishi A.C.F. <i>Development and antioxidant capacity of sapota pulp jelly (Quararibea cordata Vischer)</i> . Ciência e Agrotecnologia. 2012, 36(3), 341-347, Print version ISSN 1413-7054, http://dx.doi.org/10.1590/S1413-70542012000300010 , Accession Number in WEB of Science: WOS:000306086200010	0.781		
L2	Baiano A., Mastromatteo M., del Nobile M.A. <i>Effects of Cultivar and Process Variables on Dynamic-Mechanical and Sensorial Behavior of Value-Added Grape-Based Smoothies</i> . Molecules. 2012, 17(10):11421-11434, ISSN 1420-3049, doi:10.3390/molecules171011421, http://www.mdpi.com/1420-3049/17/10/11421 , Accession Number in WEB of SCIENCE: WOS:000310505400009	1.176		
Poiana M.A., Alexa E., Mateescu C. Tracking antioxidant properties and color changes in low-sugar bilberry jam as effect of processing, storage and pectin concentration. Chemistry Central Journal, 2012, 6:4, doi:10.1186/1752-153X-6-4, ISSN 1752-153X, http://journal.chemistrycentral.com/content/6/1/4, Accession Number in WEB of SCIENCE: WOS:000303148100001, CITATĂ DE:		1.173	3	0.391
M1	Vamanu E. <i>In Vitro Antioxidant and Antimicrobial Activities of Two Edible Mushroom Mycelia Obtained in the Presence of Different Nitrogen Sources</i> . Journal of Medicinal Food. 2013, 16(2):155-166, ISSN 1096-620X, doi: 10.1089/jmf.2012.0030, http://www.ncbi.nlm.nih.gov/pubmed/23289786 , Accession Number in WEB of SCIENCE: WOS:000314879500010	1.173		
Indicator realizat/Achieved indicator				C=6.013
Standarde minimale pentru abilitare (conform Ord. 4478/2011) Minimal standards for habilitation (according to Ord. 4478/2011)				C(min)=3

Semnatura
Conf. dr. ing. Mariana-Atena Poiană