GRADUL DE SATISFACERE A CONDIȚIILOR MINIME DE PERFORMANȚĂ PENTRU PROFESOR UNIVERSITAR ÎN ACORD CU "STANDARDELE MINIMALE NECESARE ŞI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN INVĂȚĂMÂNTUL SUPERIOR ŞI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE" (OM 6560/2012 publicat în Monitorul Oficial al României, Partea I, Nr. 890 bis/27.XII.2012)

Activitatea didactică şi profesională (A1) - Gradul de satisfacere a condițiilor minime de performanță pentru profesor universitar (în vederea susținerii tezei de abilitare conform OM 5648/2013 publicat în Monitorul Oficial 811/20.12.2013 şi intrat în vigoare la aceeaşi dată)

Nr. crt.	Activitatea didactică şi profesională (A1)		
	Tipul de activitate/categorii/subcategorii	Condiții minime	Realizat
1	Cărți/capitol de carte	3	4
2	Cărți/capitol de carte-prim autor	1	1

Activitatea de cercetare (A2) - Gradul de satisfacere a condițiilor minime de performanță pentru profesor universitar (în vederea susținerii tezei de abilitare conform OM 5648/2013 publicat în Monitorul Oficial 811/20.12.2013 şi intrat în vigoare la aceeaşi dată)

Nr. crt.	Activitatea de cercetare (A2)		
	Tipul de activitate/categorii/subcategorii	Condiții minime	Realizat
1	Articole în reviste cotate ISI Thomson Reuters	35	44
2	Articole în reviste cotate ISI Thomson Reuters în reviste internaționale	23	25
3	Factor de impact cumulat	40	111.592
4	Autor principal/corespondent	10	23
5	Director proiecte-naționale	1	1
6	Director proiecte-internaționale	-	5
7	Membru în echipă-proiecte naționale	1	3
8	Membru în echipă-proiecte internaționale	-	3

Recunoaşterea şi impactul activității (A3) - Gradul de satisfacere a condițiilor minime de performanță pentru profesor universitar (în vederea susținerii tezei de abilitare conform OM 5648/2013 publicat în Monitorul Oficial 811/20.12.2013 şi intrat în vigoare la aceeaşi dată)

Nr. crt.	Recunoaşterea şi impactul activității (A3)		
	Tipul de activitate/categorii/subcategorii	Condiții minime	Realizat
1	Citări în reviste ISI şi BDI	100	392*

Notă: * - după excluderea autocitărilor

Calcularea indicatorului de merit ($k_1 = 3$; $k_{21} = 1$; $k_{2411} = 4$; $k_{2421} = 2$; $k_{311} = 0.5$; $k_{312} = 0.5$)

$$A = \sum_i n_{1i}k_{1i} + \sum_i n_{2i}k_{2i} + \sum_i n_{3i}k_{3i}$$

$$A = A1 + A2 + A3$$

$$A = (4\times 3 + 1\times 3) + (44\times 1 + 6\times 4 + 6\times 2) + (392\times 0.5) = 15 + (44 + 36) + 196 = 291$$

Nr. crt.	**Categoria**		
	Domeniul de activitate	**Condiții profesor (minim puncte)**	**Realizat (puncte)**
1	**Activitatea didactică şi profesională (A1)**	**9**	**15**
2	**Activitatea de cercetare (A2)**	**41**	**80**
3	**Recunoaşterea şi impactul activității (A3)**	**50**	**196**
TOTAL		**100**	**291**

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1 Activitatea didactică şi profesională (A1)

1.1 Cărți sau capitole de carte

Cărți		
Nr. crt.	**Titlu**	**k_{pi}**
1.	Cecilia Arsene, Romeo Iulian Olariu, Understanding atmospheric chemistry of hydrocarbons. An introductory approach, ISBN: 978-973-702-657-6, TEHNOPRESS, Iasi, **2009**.	3
2.	Cecilia Arsene, Romeo Iulian Olariu, Metode analitico-statistice in investigarea sistemelor chimice, ISBN: 978-973-730-606-7, PERFORMANTICA, Iasi, **2009**.	3
3.	Cecilia Arsene, Romeo Iulian Olariu, Sulful in atmosfera, ISBN: 973-8188-87-3, Editura Tehnica, Stiintifica si Didactica CERMI, Iasi, **2003**.	3
4.	Romeo Iulian Olariu, Cecilia Arsene, Degradarea atmosferica a hidrocarburilor aromatice, ISBN 973-8490-25-1, Ed. PIM, Iasi, **2002**.	3
Capitole de cărți		
5.	Vione, D., Minero, C., Maurino, V., Olariu, R.I., Arsene, C., Mostofa, K.M.G., Photoinduced Transformation Processes in Surface Waters, pp. 309-332, Chapter 9, in Photochemistry: UV/VIS Spectroscopy, Photochemical Reactions and Photosynthesis, Maes, K.J., Willems, J.M., Eds., Series Chemical Engineering Methods and Technology, ISBN: 978-1-61209-506-6, Imprint: Nova Press, **2011** (book chapter).	3
n	**= 5**	
$\sum n_{1i}k_{1i}$	**= 5 × 3 = 15**	
Total A1	**15 puncte**	

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2 Activitatea de cercetare

2.1 Articole în reviste cotate ISI Thomson Reuters (factor de impact după document descărcat de pe adresa www.uotechnology.edu.iq/appsciences/.../Impact_Factor_2012.pdf similar cu datele de la adresa http://www.citefactor.org/impact-factor-list-2012.html)

Internaționale		
Număr contribuție	**Contribuția**	**Factor impact**
1.	Olariu, R.I., Barnes, I., Bejan, I., Arsene, C., Vione, D., Klotz, B., Becker, K.H., FTIR product study of the reactions of NO_3 radicals with ortho-, meta-, and para-cresol, Environmental Science and Technology, 47, 7729-7738, **2013**.	**5.228**
2.	Arsene,C., Vione, D., Grinberg, N., Olariu, R.I., GCxGC-MS hyphenated techniques for the analysis, of volatile organic compounds in air, Journal of Liquid Chromatography & Related Technologies, 34, 1077–1111, **2011**.	**0.706**
3.	Cernat, R.I., Mihaescu, T., Vornicu, M. Vione, D., Olariu, R.I., Arsene, C.*, Serum trace metal and ceruloplasmin variability in individuals treated for pulmonary tuberculosis, International Journal of Tuberculosis and Lung Diseases, 15, 1239-1245, **2011**	**2.731**
4.	Arsene, C.*, Olariu, R.I., Zarmpas, P., Kanakidou, M., Mihalopoulos, N., Ion composition of coarse and fine particles in Iasi, north-eastern Romania. Implications for aerosols chemistry in the area, Atmospheric Environment, 45, 906-916, **2011**.	**3.465**
5.	Gherasim, C.V., Bourceanu, G., Olariu, R.I., Arsene, C., A novel polymer inclusion membrane applied in chromium (VI) separation from aqueous solutions, Journal of Hazardous Materials, 197, 244-253, **2011**.	**4.173**
6.	Gherasim, C.V.I., Bourceanu, G., Olariu, R.I., Arsene, C., Removal of lead(II) from aqueous solutions by a polyvinyl-chloride inclusion membrane without added plasticizer, Journal of Membrane Science, 377(1-2), 167-174, **2011**.	**3.850**
7.	Olariu, R.I., Vione, D., Grinberg, N., Arsene, C.*, Sample preparation for trace analysis by chromatographyc methods, Journal of Liquid Chromatography & Related Technologies, 33, 1174-1207, **2010**.	**0.706**
8.	Arsene, C.*, Bougiatioti, A., Mihalopoulos, N., Sources and variability of non-methane hydrocarbons in the Eastern Mediterranean, Global NEST Journal, 11, 333-340, **2009**.	**0.536**
9.	Vione, D., Khanra, S., Cucu Man, S., Maddigapu, P.R., Das, R., Arsene, C., Olariu, R.I., Maurino, V., Minero, C., Inhibition vs. enhancement of the nitrate-induced phototransformation of organic substrates by the OH scavengers bicarbonate and carbonate, Water Research, 43, 4718 – 4728, **2009**.	**4.865**
10.	Vione, D., Maurino, V., Minero, C., Duncianu, M., Olariu, R.I., Arsene, C., Sarakha, M., Mailhot, G., Assessing the transformation kinetics of 2- and 4-nitrophenol in the atmospheric aqueous phase. Implications for the distribution of both nitroisomers in the atmosphere, Atmospheric Environment, 43, 2321-2327, **2009**.	**3.465**
11.	Vione, D., Lauri, V., Minero, C., Maurino, V., Malandrino, M., Carlotti, M.E., Olariu, R.I., Arsene, C., Photostability and photolability of dissolved organic matter upon irradiation of natural water samples under simulated sunlight, Aquatic Sciences, 71, 34-45, **2009**.	**2.106**
12.	Vione, D., Maurino, V, Cucu-Man, S., Khanra, S., Arsene, C., Olariu, R., Minero, C., Formation of organobrominated compounds in the presence of bromide under simulated atmospheric aerosol conditions, Chemistry Sustainable Chemistry, 1, 197–204, **2008**.	**6.827**
13.	Drochioiu, G., Arsene, C., Murariu, M., Oniscu, C., Analysis of cyanogens with resorcinol and picrate, Food and Chemical Toxicology, 46, 3540-3545, **2008**.	**2.999**
14.	Arsene, C.*, Olariu, R.I., Mihalopoulos, N., Chemical composition of rainwater in the north-eastern Romania, Iasi region (2003-2006), Atmospheric Environment, 41, 9452-9467, **2007**.	**3.465**
15.	Arsene, C.*, Bougiatioti, A., Kanakidou, M., Bonsang, B., Mihalopoulos, N., Tropospheric OH and Cl levels deduced from non-methane hydrocarbon measurements in a marine site, Atmospheric Chemistry and Physics, 7, 4661–4673, **2007**.	**5.520**

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16.	Arsene, C.*, Bougiatioti, A., Mihalopoulos, N., Non-methane hydrocarbons variability in the Eastern Mediterranean, pp. 197-206, in Regional Climate Variability and its Impacts in the Mediterranean Area, Mellouki, A., Ravishankara, A.R., eds, NATO Science Series, IV. Earth and Environmental Sciences, 79, 197-206, **2007**.	**0.000**
17.	Vione, D., Maurino, V., Minero, C., Pelizzetti, E., Harrison, M.A.J., Olariu, R.I., Arsene, C., Photochemical reactions in the tropospheric aqueous phase and on particulate matter, Chemical Society Reviews, 35, 441-453, **2006**.	**28.760**
18.	Vione, D., Falletti, G., Maurino, V., Minero, C., Pelizzetti, E., Malandrino, M., Ajassa, R., Olariu, R.I., Arsene, C., Sources and sinks of hydroxyl radical upon irradiation of natural water samples, Environmental Science and Technology, 40, 3775-3781, **2006**.	**5.228**
19.	Arsene, C.*, Mihalopoulos, N., Olariu, R.I., Atmospheric wet deposition monitoring in Iasi, Romania, in Environmental Simulation Chambers - Application to Atmospheric Chemical Processes, Barnes, I., Rudzinski, K. J., eds., NATO Science Series, IV. Earth and Environmental Sciences, 62, 369-377, **2006**.	**0.000**
20.	Olariu, R.I., Duncianu, M., Arsene, C., Wirtz, K., Determination of photolysis frequencies for small carbonyl compounds using the EUPHORE chamber facilities, in Environmental Simulation Chambers - Application to Atmospheric Chemical Processes, Barnes, I., Rudzinski, K. J., eds., NATO Science Series, IV. Earth and Environmental Sciences, 62, 121-128, **2006**.	**0.000**
21.	Arsene, C., Barnes, I., Becker, K.H., Benter, Th., Gas phase reaction of Cl with dimethyl sulphide. Temperature and oxygen partial pressure dependence of the rate constant, International Journal of Chemical Kinetics, 36, 66-73, **2005**.	**1.007**
22.	Harrison, M.A.J., Barra, S., Borghesi, D., Vione, D., Arsene, C., Olariu, R.I., Nitrated phenols in the atmosphere. A review, Atmospheric Environment, 39, 231-248, **2005**.	**3.465**
23.	Arsene, C., Barnes, I., Becker, K.H., Schneider, W., Wallington, T., Mihalopoulos, N., Patroescu-Klotz, I., Formation of methane sulphinic acid in the gas phase OH-radical initiated oxidation of dimethyl sulphoxide, Environmental Science and Technology, 36, 5155-5163, **2002**.	**5.228**
24.	Arsene, C., Barnes, I., Becker, K.H., Mocanu, R., FT-IR product study in the photo-oxidation of dimethyl sulphide in the presence of NO_x. Temperature dependence, Atmospheric Environment, 35, 3769-3780, **2001**.	**3.465**
25.	Arsene, C., Barnes, I., Becker, K.H., FT-IR product study of the photo-oxidation of dimethyl sulphide. Temperature and O_2 partial pressure dependence, Physical Chemistry Chemical Physics, 1, 5463-5470, **1999**.	**3.573**
Naționale		
26.	Pindaru, D.M., Tanase, C., Olariu, R.I., Arsene, C.*, Chemical composition and ions concentrations in Xanthoria Parietina and Phaeosphyscia orbicularis lichenised fungi species from Iasi, north-eastern Romania, Revista de Chimie, Bucharest, 64, 807-814, **2013**.	**0.599**
27.	Pindaru, D.M., Tanase, C., Olariu, R.I., Arsene, C.*, Extra and intercellular concentrations of water soluble cations from Xanthoria Parietina and Phaeosphyscia orbicularis lichenised fungi species, Revista de Chimie, Bucharest, 64, 715-719, **2013**.	**0.599**
28.	Stefanescu, I.A., Gavrila, L., Mocanu, R.D., Olariu, R.I., Arsene, C.*, Bioremediation perspective of *Bacillus Megaterium* towards heavy metals in environments enriched with phosphogypsum, Revista de Chimie, 62, 245-249, **2011**.	**0.599**
29.	Olariu, R.I., Arsene, C., Humelnicu, D., Duncianu, M., Mantu, D., Investigation on environmental radionuclide retention on hetero-polioxo-metallic sorbents for radionuclide analysis by ionic chromatography, International Journal of Conservation Science, 1, 248, **2010**.	**0.000**
30.	Cernat, R.I., Mocanu, R.D., Popa, E., Sandu, I., Olariu, R.I., Arsene, C.*, Investigation of chemical parameters in biological systems, Revista de Chimie, 61, 1130-1135, **2010**.	**0.599**
31.	Humelnicu, D., Arsene, C., Burghele, B., Bertescu, M., Humelnicu, I., Sandu, I., Mantu, D., Olariu, R.I., Interaction of actinide cations with heteropolytungstate ions $[SiW_{11}O_{39}]^{8-}$ and $[SiW_{12}O_{40}]^{4-}$, Revista de Chimie, 61, 841-844, **2010**.	**0.599**

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32.	Humelnicu, D., Olariu, R.I., Sandu, I., Humelnicu, I., Sandu, A.V., Arsene, C., Studies on chemical interferences on uranium (VI) and thorium (IV) reaction with (iso)polyoxometalates, Revista de Chimie, 60, 1264-1269, **2009**.	**0.599**
33.	Olariu, R.I., Humelnicu, D., Sandu, I., Humelnicu, I., Arsene, C.*, Physico-chemical characterization of a new silica-polyoxometalate thermally modified unit, Revista de Chimie, 60, 1216-1219, **2009**.	**0.599**
34.	Vione, D., Rinaldi, E., Minero, C., Maurino, V., Olariu, R.I., Arsene, C.*, Studies regarding groundwater quality at rural bites. 2. Photochemical generation of OH and NO_2 radicals upon UV-A irradiation of nitrate-rich groundwater, Revista de Chimie, 60, 551-554, **2009**.	**0.599**
35.	Vione, D., Ravizzoli, B., Rinaldi, E., Pettinato, F., Arsene, C., Olariu, R.-I., Studies regarding groundwater quality at rural sites: 1. Estimation of the anthropic factor impact by complementary chemical analyses, Revista de Chimie, 60, 237-240, **2009**	**0.599**
36.	Vione, D., Casanova, I., Minero, C., Duncianu, M., Olariu, R. I., Arsene, C.*, Assessing the potentiality of Romanian surface waters to produce hydroxyl and nitrite radicals, Revista de Chimie, 60, 123-126, **2009**.	**0.599**
37.	Olariu, R.I., Humelnicu, D., Arsene, C., Sandu, I., Carja, G., Synthesis and chemical characterisation of new derivative complexes from UO_2^{2+} and Th^{4+} ions with (iso)polyoxomolybdate and (iso)polyoxotungstate clusters, Revista de Chimie, 59, 1052–1056, **2008**.	**0.599**
38.	Humelnicu, D., Olariu, R.I., Sandu, I., Apostolescu, N., Sandu, A.V., Arsene, C.*, New heteropolyoxotungstates and heteropolyoxomolybdates containing radioactive ions (uranyl and thorium) in their structure, Revista de Chimie, 59, 920-925, **2008**.	**0.599**
39.	Arsene, C.*, Barnes, I., Olariu, R.I., Becker, K.H., Dimethyl sulphide photo-oxidation at various NO_2 concentrations. 2. Investigation on particle formation, Revue Roumanie de Chimie, 50, 485-490, **2005**.	**0.418**
40.	Arsene, C.*, Barnes, I., Olariu, R.I., Becker, K.H., Dimethyl sulphide photo-oxidation at various NO_2 concentrations. 1. Product study and mechanistic investigations, Revue Roumanie de Chimie, 50, 359-369, **2005**.	**0.418**
41.	Onofrei, T., Arsene, C., Hurduc, N., A non-isothermal kinetic study upon the Pb(II) sorption on chemically-modified celluloses, Cellulose Chemistry and Technology, 36, 507-514, **2002**.	**0.550**
42.	Onofrei, T., Hurduc, N., Arsene, C., A non-isothermal kinetic study on the sorption of elements from group IIA on 4-(benzylcellulose)-5-azo-8-hydroxiquinoline, Cellulose Chemistry and Technology, 35, 235-241, **2001**.	**0.550**
43.	Onofrei, T., Arsene, C., Mita, C., Agache, C., Sorption of elements from group IIA on 4-(benzylcellulose)-5-azo-8-hydroxiquinoline, Cellulose Chemistry and Technology, 35, 15-23, **2001**.	**0.550**
44.	Onofrei, T., Hurduc, N., Arsene, C., Ionescu, D., Sorption of Cu(II), Co(II) and Ni(II) on 1-(4'-azobenzylcellulose)-2-naphtol. Thermogravimetric characterisation, Cellulose Chemistry and Technology, 34, 261-268, **2000**.	**0.550**
n_{tot}	**= 44**	
$n_{reviste\ internationale}$	**= 25**	
factor de impact cumulat	**= 111.592**	
autor principal/ corespondent	**= 23 (indicate prin * sau culoarea albastru) din care 13 internaționale**	
$\sum n_{21i}k_{21i}$	**= 44 × 1 = 44**	

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2.2 Granturi/proiecte câştigate prin competiție

Director proiecte internaționale/naționale		
Număr	**Proiect**	**k_{pi}**
1.	PN-II-ID-PCE-2011-3-0471, 2011-2014, Evaluation of Volatile Organics in the Lower/Upper Troposphere - their Impact on the Oxidizing, Noxious and Aerosol Influx Capacity in Romania (EVOLUTION-AIR), UEFISCDI. 1050000 RON.(241000,00 EUR)	4
2.	FP-7/PEOPLE-MERG-CT-2007-203934. 2007-2010. Intensive Characterisation of Atmospheric Aerosols in the north-eastern Romania at various Urban Sites (ICAARUS). Environment and Sustainable Development. Global Change, Climate and Biodiversity. 45000,00 EUR	4
3.	NATO ESP.EAP.CLG.98258/2007. 2007-2009. Chemical Composition of Atmospheric Aerosols in the North-Eastern Romania. Environmental Security Through Science. 20000,00 EUR	4
4.	Bilateral Romania-Italy: C18002/09.01.2006. 2006-2008. Environmental Quality Understanding Inferred by Laboratory Investigation of the Borne Pollutants Released by Industrial and Agricultural Activities in a Small Part of Romania (EQUILIBRIAAS-PRO). 15000,00 EUR from the Resort Romanian and Italian Ministeria	4
5.	Bilateral Romania-Greece: C18873/28.12.2005. 2006-2007. Chemical Composition of Aerosols in an Urban Atmosphere (CCAUA). 12000,00 EUR from the Resort Greek Ministerium	4
6.	Marie-Curie: FP-6/MEIF-CT-2005-009578. 2005-2007. Evaluation of the Climatic Impact of the Tropospheric Aerosols in the Mediterranean Area (ECITAMA). Environment and Sustainable Development. Global Change, Climate and Biodeversity. 136834,50 EUR	4
Membru în echipe internaționale/naționale		
7.	POSCCE-A2-O2.2.1-2009-4, ID 901, SMIS 13984, Contract no.: 257/28.09.2010; Subject: Centru integrat de studii in stiinta mediului pentru regiunea de dezvoltare nord-est/CERNESIM. 32009409,00 RON	2
8.	PN II/405/2007-2010. Cercetări privind reținerea unor radionuclizi din mediu pe sorbenți heteropolioxometalați în scopul determinării lor prin cromatografie ionică. MCT-ROMANIA. 826717,18 RON	2
9.	INFRAS: 210/2.11.2004. Crearea unei infrastructuri pentru monitorizarea şi biomonitorizarea compuşilor toxici prezenți în mediu şi pentru urmărirea efectului acestora asupra organismelor vii. Acreditarea unui laborator de analiza metalelor grele şi a poluanților organici persistenți (POPs). MCT-ROMANIA.	2
10.	EVK2-CT-1999-00033. 2000-2003. Evaluation of the Climatic Impact of Dimethyl Sulphide (EL-CID). Environment and Sustainable Development. Global Change, Climate and Biodiversity.	2
11.	ENV4-CT97-0410. 1998-1999. Dimethyl Sulphide (DMS): Oxidation Mechanism in Relation to Aerosols and Climate (DOMAC). Environment and Sustainable Development. Global Change, Climate and Biodiversity.	2
12.	Projekt No.: 07 AF 22. 1998-2001. Yields of Aerosol Precursors Substances Formed by DMS-Oxidation as a Function of Atmospheric Conditions, GSF-Forschungszentrum für Umwelt und Gesundheit, Projektträger des BMBF für Umwelt und Klimaforschung, Germany.	2

n_{221}	**= 6**	**n_{222}**	**= 6**
$\sum n_{221}k_{221}$	**= 6 × 4 = 24**	$\sum n_{222}k_{222}$	**= 6 × 2 = 12**
$\sum (n_{21}k_{21} + n_{221}k_{221} + n_{222}k_{222})$		**= 44 + 24 + 12 = 80**	
Total A2	**80 puncte**		

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2. Lista de verificare a îndeplinirii standardului Recunoaşterea şi impactul activității (A3); 3.1 Citări în reviste ISI şi BDI

Publicația care se citează	Referința bibliografică a publicației care citează	k_{pi} (ISI)
A novel polymer inclusion membrane applied in chromium (VI) separation from aqueous solutions Gherasim, C.V., Bourceanu, G., Olariu, R.I., Arsene, C. JOURNAL OF HAZARDOUS MATERIALS 197, 244-253, 2011		
1.	Xiao, Y., Liang, H., Chen, W., Wang, Z., Synthesis and adsorption behavior of chitosan-coated MnFe2O 4 nanoparticles for trace heavy metal ions removal, Applied Surface Science, 285, 498-504, 2013	0.5
2.	Abdul-Halim, N.-S., Whitten, P.G., Nghiem, L.D., Characterizing poly (vinyl chloride)/Aliquat 336 polymer inclusion membranes: Evidence of phase separation and its role in metal extraction, Separation and Purification Technology, 119, 14-18, 2013	0.5
3.	Onac, C., Alpoguz, H.K., Akceylan, E., Yilmaz, M. Facilitated transport of Cr(VI) through polymer inclusion membrane system containing calix[4]arene derivative as carrier agent, Journal of Macromolecular Science, Part A: Pure and Applied Chemistry 50, 1013-1021, 2013	0.5
4.	Kagaya, S., Ryokan, Y., Cattrall, R.W., Kolev, S.D., Stability studies of poly(vinyl chloride)-based polymer inclusion membranes containing Aliquat 336 as a carrier, Separation and Purification Technology, 101, 69-75, 2012	0.5
5.	Almeida, M.I.G.S., Cattrall, R.W., Kolev, S.D., Recent trends in extraction and transport of metal ions using polymer inclusion membranes (PIMs), Journal of Membrane Science, 415-416, 9-23, 2012	0.5
6.	Gizli, N., Cinarli, S., Demircioglu, M., Characterization of poly(vinylchloride) (PVC) based cation exchange membranes prepared with ionic liquid, Separation and Purification Technology, 97, 96-107, 2012	0.5
Serum trace metal and ceruloplasmin variability in individuals treated for pulmonary tuberculosis Cernat, R.I., Mihaescu, T., Vornicu, M. Vione, D., Olariu, R.I., Arsene, C.* INTERNATIONAL JOURNAL OF TUBERCULOSIS AND LUNG DISEASES 15, 1239-1245, 2011		
7.	Haddad, M.R., Macri, C.J., Holmes, C.S., Goldstein, D.S., Jacobson, B.E., Centeno, J.A., Popek, E.J., (...), Kaler, S.G., In utero copper treatment for Menkes disease associated with a severe ATP7A mutation, Molecular Genetics and Metabolism 107(1-2), 222-228, 2012	0.5
Removal of lead(II) from aqueous solutions by a polyvinyl-chloride inclusion membrane without added plasticizer Gherasim, C.V.I., Bourceanu, G., Olariu, R.I., Arsene, C. JOURNAL OF MEMBRANE SCIENCE 377(1-2), pp. 167-174, 2011		
8.	Suren, S., Pancharoen, U., Thamphiphit, N., Leepipatpiboon, N., A Generating Function applied on a reaction model for the selective separation of Pb(II) and Hg(II) via HFSLM, Journal of Membrane Science, 448, 23-33, 2013	0.5
9.	Luo, X., Liu, L., Deng, F., Luo, S., Novel ion-imprinted polymer using crown ether as a functional monomer for selective removal of Pb(II) ions in real environmental water samples, Journal of Materials Chemistry A, 1(28), 8280-8286, 2013	0.5
10.	Baczynska, M., Regel-Rosocka, M., WiÅ›niewski, M., Use of polymer inclusion membranes in processes for metal ion transport, Przemysl Chemiczny, 92(6), 928-935, 2013	0.5
11.	Konczyk, J., Kozlowski, C., Walkowiak, W., Lead(II) removal from aqueous solutions by solvent extraction with tetracarboxylresorcin[4]arene, Physicochemical Problems of Mineral Processing, 49(1), 213-222, 2013	0.5

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n	**= 392**	
$\sum n_{3i}k_{3i}$	**= 392 × 0.5 = 196**	
Total A3	**196 puncte**	

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