

## Anexa 2. Fișa de indeplinire a standardelor minime pe domenii ale Departamentului Interdisciplinar de Cercetare – Domeniul Științe

Subsemnata Dr .ing. Loredana Tepes (nume științific Brinza) declar ca intrunesc condițiile standardelor minime pe domenii ale Departamentului Interdisciplinar de Cercetare – Domeniul Științe pentru poziția de cercetător științific în cadrul Departamentului Interdisciplinar - Științe, Domeniul Chimie, conform Hotărârii Senatului Universității "Alexandru Ioan Cuza" din Iași nr 6 din data de 27.03.2014 în care s-a aprobat *Metodologia de concurs, pentru ocuparea posturilor didactice și de cercetare științifică pe perioada determinată*.

Anexa 2b. Standarde minime pe domenii pentru funcții de cercetare – perioada determinată

Cercetător științific			
Facultatea /Departamentul	Condiții minime	Rezultate obținute	Indeplinirea criteriului
Departamentul Interdisciplinar - Științe	Minim un articol în domeniul postului publicat în calitate de autor principal cu AIS $\geq 1$ , sau minim 3 articole în domeniul postului publicat în calitate de autor principal citate în reviste cu AIS $\geq 0,5$	17 articole în reviste ISI dintre care: (i) 9 articole ca prim autor; (ii); 9 articole în jurnale cu AIS $> 0.5$ ; (iii) 7 articole în jurnale din categoria Q1;	Criteriu indeplinit
	Suma AIS din toate publicațiile în calitate de prim autor ale candidatului și a publicațiilor cu AIS $\geq 0,5$ care citează articole publicate în calitate de autor principal de către candidat să fie $\geq 2$	Suma AIS din toate publicațiile în calitate de autor principal este 6,932 iar suma AIS a publicațiilor cu AIS $\geq 0,5$ care citează articole publicate în calitate de autor principal de către candidat este <b>80,087</b> .  În total acumulând min. 87,019 (vezi anexa)	Criteriu indeplinit

Data: 04/12/2017

Semnatura:



ANEXA2. Standardele Departamentului Interdisciplinar –Științe pentru ocuparea posturilor de cercetător științific pe durată nedeterminată în Universitatea „Alexandru Ioan Cuza” din Iași

**Calcul criteriul 2 (sume AIS) de promovare în cadrul Departamentului de Cercetare Interdisciplinară –Domeniul Științe.**

**Tabel 1. Table de calcul al sumei AIS din toate publicațiile în calitate de autor principal ale candidatului, care totalizează 6,932.**

Nr ctr	Publicație	AIS
1.	<b>Loredana Brinza</b> , Hong P. Vu, Samuel Shaw, J. Fred W. Mosselmans, Liane G. Benning, 2015, Effect of Mo and V on the Hydrothermal Crystallization of Hematite from Ferrihydrite: An in Situ Energy Dispersive X-ray Diffraction and X-ray Absorption Spectroscopy Study, <b>Crystal Growth and Design</b> , 15 (10), 4768–4780, DOI: 10.1021/acs.cgd.5b00173, (IF= 4.055; AIS= 0.834; Q1);	0,834
2.	<b>Loredana Brinza</b> , Frederick J. W. Mosselmans, Paul F. Schofield, Erica Donner, Enzo Lombi, Mark E. Hodson, 2014, Can earthworm-secreted calcium carbonate immobilise Zn in contaminated soils?, <b>Soil Biology and Biochemistry</b> , 74, 1-10, DOI: 10.1016/j.soilbio.2014.01.012, (IF=4.857; AIS=1.342, Q1)	1,342
3.	<b>L. Brinza</b> , P. F. Schofield, M. E. Hodson, S. Weller, K. Ignatyev, K. Geraki, P. D. Quinn and J. F. W. Mosselmans, 2014, Combining $\mu$ XANES and $\mu$ XRD mapping to analyse the heterogeneity in calcium carbonate granules excreted by the earthworm <i>Lumbricus terrestris</i> <b>Journal of Synchrotron Radiation</b> , 01/2014, 21, 235-41; DOI:10.1107/S160057751303083X, (IF= 3,011; AIS= 1,153, Q2)	1,153
4.	<b>Loredana Brinza</b> , Paul D. Quinn, Paul F. Schofield, Frederick J. W. Mosselmans, Mark E. Hodson, 2012, Incorporation of strontium in earthworm-secreted calcium carbonate granules produced in strontium-amended and strontium-bearing soil, <b>Geochimica et Cosmochimica Acta</b> , 113 21-37, DOI: 10.1016/j.gca.2013.03.011, (IF= 4,609, AIS= 1.801, Q1);	1,801
5.	<b>Loredana Brinza</b> , Charlotta A. Nygard, Matthew J. Dring, Liane G. Benning, Maria Gavrilescu, (2009), Cadmium tolerance and adsorption by the marine brown alga <i>Fucus vesiculosus</i> from the Irish Sea and the Bothnian Sea, <b>Bioresource Technology</b> , Vol. 100, No 5, 1727-1733, doi:10.1016/j.biortech.2008.09.041, (IF= 5,651, AIS= 1.037, Q1);	1,037
6.	<b>Loredana Brinza</b> , Liane G. Benning, Peter J. Statham, (2008), Adsorption studies of Mo and V onto ferrihydrite, <b>Mineralogical Magazine</b> , Vol. 72, No1, 107–110; doi:10.1180/minmag.2008.072.1.385, (IF= 1,285, AIS= 0.546, Q2);	0,546
7.	<b>Loredana Brinza</b> , Matthew J. Dring, Maria Gavrilescu, (2007), Marine micro and macro algal species as biosorbents for heavy metals treatment - review, <b>Environmental Engineering and Management Journal</b> , Vol. 6, No. 3, 237-251, (IF= 1.096, AIS=0.073, Q4);	0,073
8.	<b>Loredana Brinza</b> , Matthew J. Dring, Maria Gavrilescu, (2005), Biosorption of Cu (2+) ions from aqueous solution by <i>-Enteromorpha sp.</i> , <b>Environmental Engineering and Management Journal</b> , Vol.4, No.1, 41-51, (IF= 1.065, AIS=0.073, Q4);	0,073
9.	<b>Loredana Brinza</b> , Maria Gavrilescu, (2003), pH Effect on the Biosorption of Cu (2+) from Aqueous Solution by <i>Saccharomyces Cerevisiae</i> , <b>Environmental Engineering and Management Journal</b> , Vol.2, No.3, 243-254, (IF= 1.096, AIS=0.073, Q4);	0,073

Total	Suma AIS din toate publicatiile in calitate de autor principal ale candidatului	6,932
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**Tabel2. Tabel de calcul a sumei AIS a publicatiilor cu AIS  $\geq 0,5$  care citeaza articole publicate in calitate de autor principal, totalizeaza un punctaj de 80,087.**

Articol autor principal	Articole care citeaza articolul ca autor principal	AIS a jurnalului in care e publicat articolul citator
1.Loredana Brinza, Hong P. Vu, Samuel Shaw, J. Fred W. Mosselmans, Liane G. Benning, 2015, The effect of molybdenum and vanadium on the hydrothermal crystallization of hematite from ferrihydrite at seawater pH and ionic strength - an in situ EDXRD and XAS study, Crystal Growth and Design: FI: 4.055/2016;	1. Leiviska, Tiina; Khalid, Muhammad Kamran; Sarpola, Arja; Tanskanen, Juha <b>2017</b> , Removal of vanadium from industrial wastewater using iron sorbents in batch and continuous flow pilot systems, <b>Journal Of Environmental Management</b> , 190, 231-242, <b>IF=4,01; AIS=0,996</b>	0,996
	2. Katrin Schulz, Roman Schmack, Hagen,W. Klemm, Anke Kabelitz, Thomas Schmidt, Franziska Emmerling, Ralph Kraehnert <b>2017</b> , Mechanism and Kinetics of Hematite Crystallization in Air: Linking Bulk and Surface Models via Mesoporous Films with Defined Nanostructure, <b>Chemistry of Materials</b> 9 (4), 1724-1734; <b>IF=9,466; AIS=2,377</b>	2,377
	3. Liang Cao, Zhao-Xia Jiang, Yong-Hua Du, Xin-Mao Yin, Shi-Bo Xi, Wen Wen, Andrew P. Roberts, Andrew T. S. Wee, Yi-Min Xiong, Qing-Song Liu, and Xing-Yu Gao, <b>2017</b> , <a href="#">Origin of Magnetism in Hydrothermally Aged 2-Line Ferrihydrite Suspensions</a> , <b>Environmental Science &amp; Technology</b> , 51 (5), 2643-2651; <b>IF=6,198; AIS=1,649</b>	1,649
	4. Juan Diego Rodriguez-Blanco, Karina K. Sand, Liane G. Benning, <b>2017</b> , ACC and Vaterite as Intermediates in the Solution-Based Crystallization of CaCO <sub>3</sub> , 93-111	
	5. Kristina M. Peterson, Peter J. Heaney, Jeffrey E. Post, <b>2016</b> , <a href="#">A kinetic analysis of the transformation from akaganeite to hematite: An in situ time-resolved X-ray diffraction study</a> , <b>Chemical Geology</b> 444, 27-36, <b>IF=3,347; AIS=1,514</b>	1,514
	6. Soumya Das, Joseph Essilfie-Dughan, M. Jim Hendry, 2016, <a href="#">Sequestration of molybdate during transformation of 2-line ferrihydrite under alkaline conditions</a> , <b>Applied Geochemistry</b> 73, 70-80, <b>IF=2.581; AIS=0,775</b>	0,775
	7. Francisco, PCM; Sato, T; Otake, T; Kasama, T, <b>2016</b> , Kinetics of Fe <sup>3+</sup> mineral crystallization from ferrihydrite in the presence of Si at alkaline conditions and implications for nuclear waste disposal, <b>American Mineralogist</b> , 101/9-10, 2057-2069, <b>IF=2.021; AIS=0,737</b>	0,737

	8. Kreissl, Stefan; Bolanz, Ralph; Goettlicher, Joerg; Steininger, Ralph; Tarassov, Mihail; Markl, Gregor, <b>2016</b> , Structural incorporation of W6+ into hematite and goethite: A combined study of natural and synthetic iron oxides developed from precursor ferrihydrite and the preservation of ancient fluid compositions in hematite, <b>American Mineralogist</b> , 101/12, 2701-2715 <b>IF=2.021; AIS=0,737</b>	0,737
2. Loredana Brinza, Frederick J. W. Mosselmans, Paul F. Schofield, Erica Donner, Enzo Lombi, Mark E. Hodson, 2014, Can earthworm-secreted calcium carbonate immobilise Zn in contaminated soils?, <b>Soil Biology and Biochemistry</b> , 74, 1-10, DOI: 10.1016/j.soilbio.2014.01.012, (IF=4.857; AIS=1.342, <b>Q1</b> )	1. Versteegh E.A.A., Black S., Hodson M.E., <b>2017</b> , Carbon isotope fractionation between amorphous calcium carbonate and calcite in earthworm-produced calcium carbonate, <b>Applied Geochemistry</b> , 78, <b>IF=2,581; AIS=0,775</b>	0,775
	2. Wang, H; Wang, X-J; Wang, W.-S; Chen, J; Zhao, J-F, <b>2016</b> , Modeling and optimization of struvite recovery from wastewater and reusing from heavy metals mobilization in contaminated soils, <b>Journal of chemical technology and Biotechnology</b> , <b>IF=3,135; AIS=0,628</b>	0,628
	3. Du, YJ; Wei, ML; Reddy, KR; Wu, HL, <b>2016</b> , Effect of carbonation on leachability, strength and microstructural characteristics of KMP binder stabilized Zn and Pb contaminated soils. <b>Chemosphere</b> , 144, : 1033-1042 DOI: 0.1016/j.chemosphere.2015.09.082, <b>IF=4,208; AIS=0,932</b>	0,932
	4. Richardson, JB; Gorres, JH; Jackson, BP; Friedland, AJ, <b>2015</b> , Trace metals and metalloids in forest soils and exotic earthworms in northern New England, USA, <b>Soil Biology &amp; Biochemistry</b> 85, 190-198 DOI: 10.1016/j.soilbio.2015.03.001, <b>IF=4,857; AIS=1,342</b>	1,342
	5. Hodson, ME; Benning, LG; Demarchi, B; Penkman, KEH; Rodriguez-Blanco, JD; Schofield, PF; Versteegh, EAA, <b>2015</b> , Biomineralisation by earthworms - an investigation into the stability and distribution of amorphous calcium carbonate, <b>Geochemical Transactions</b> , 16; <b>FI=1,71; AIS=0,656</b>	0,656
	6. Aghababaei, F; Raiesi, F; Fiosseinpur, A, <b>2014</b> , The influence of earthworm and mycorrhizal co-inoculation on Cd speciation in a contaminated soil, Source: <b>Soil Biology &amp; Biochemistry</b> Volume: 78 Pages: 21-29 DOI: 10.1016/j.soilbio.2014.06.010, <b>IF=4,857; AIS=1,342</b>	1,342
	7. Hodson, ME; Black, S; Brinza, L; Carpenter, D; Lambkin, DC; Mosselmans, JFW; Palumbo-Roe, B; Schofield, PF; Sizmur, T; Versteegh, EAA, Biology as an agent of chemical and mineralogical change in soil, <b>Geochemistry Of The Earth's Surface Ges-10 Book Series: Procedia Earth and Planetary Science</b> , Volume: 10 Pages: 114-117 DOI: 10.1016/j.proeps.2014.08.039	
3. L. Brinza, P. F. Schofield, M. E. Hodson, S. Weller, K. Ignatyev, K. Geraki, P. D. Quinn and J. F. W. Mosselmans, 2014, Combining $\mu$ XANES and $\mu$ XRD mapping to analyse the heterogeneity in calcium carbonate	1. Versteegh, EAA; Black, S; Hodson, ME, <b>2017</b> , Carbon isotop fractionation between amorphous calcium carbonate and calcite in earthworm produced calcium carbonate, <b>Applied Geochemistry</b> , 78, <b>IF=2,581; AIS=0,775</b>	0,775
	2. Grunwaldt H S; Zimina A; Göttlicher J; Grunwaldt J-D, 2016, Study of the relation between Mg content and dissolution kinetics of natural lime stone using $\mu$ XRF, $\mu$ XRD and $\mu$ XAS, <b>Journal of Physics Conference Series</b> 712(1):012144	
	3. Johnson-Maynard Jodi L.; Strawn Daniel G., 2016, Linking Physical and Biogeochemical Properties and Processes in the Drilosphere, <b>Soil Science</b> , 181(3/4):126-132, <b>IF=0.864; AIS=0,373</b>	0,373
	4. Mosselmans, J.Fred Willem; Pearce, C.I., Bower, William; Patrick, Richard A D; Price, Stephen W. T.; Beale Andrew; Sims Adam; Barrio Laura, <b>2016</b> , Microscopic X-ray imaging techniques applied to mineral systems and catalyst particles, DOI: 10.1346/CMS-WLS-21.6	

<p>granules excreted by the earthworm Lumbricus terrestris Journal of Synchrotron Radiation, 01/2014, 21, 235-41; DOI:10.1107/S160057751303083X, ( AIS= 1,153, Q1)</p>	<p>5. Monarumit, N; Noirawee, N; Phlayrahan, A; Promdee, K; Won-In, K; Satitkune, S, 2016, Structural Analysis of Freshwater-Cultured Pearls with Different Lusters Using the Extended X-Ray Absorption Fine Structure Technique, <b>Journal of Applied Spectroscopy</b>, 83/2, 298-301, DOI: 10.1007/s10812-016-0285-2 Published: MAY 2016; <b>IF=0,572; AIS= 0,090</b></p>	0,090
	<p>6. Johnson-Maynard, JL; Strawn, DG, 2016, Linking Physical and Biogeochemical Properties and Processes in the Drilosphere, <b>Soil Science</b>, 181/3-4 , 126-132 DOI: 10.1097/SS.0000000000000142 Published: MAR-APR 2016, <b>IF=0.864; AIS=0,371</b></p>	0,371
	<p>7. Xu, N; Wang, YL; Xu, XT; Liu, C; Qian, JC; Feng, G, 2016, Mechanisms and Applications of the Synthesized Fusiform Aragonite for the Removal of High Concentration of Phosphate, <b>Water Air and Soil Pollution</b>, 227/2, DOI: 10.1007/s11270-016-2757-7, <b>IF=1,702; AIS0,371</b></p>	0,386
	<p>9. Monarumit, N; Noirawee, N; Phlayrahan, A; Promdee, K; Won-in, K; Satitkune, S , 2015, Identification of High-Luster and Lusterless Freshwater-Cultured Pearls by X-Ray Absorption Spectroscopy, <b>Journal Of Applied Spectroscopy</b>, 82/4, 677-680 DOI: 10.1007/s10812-015-0163-3; <b>IF=0,572, AIS=0,090</b></p>	0,090
	<p>10.Hodson, ME; Benning, LG; Demarchi, B; Penkman, KEH; Rodriguez-Blanco, JD; Schofield, PF; Versteegh, EAA, 2015, Biomineralisation by earthworms - an investigation into the stability and distribution of amorphous calcium carbonate, <b>Geochemical Transactions</b>, 16, DOI: 10.1186/s12932-015-0019-z Published: APR 28, <b>IF=1,71, AIS=0,656</b></p>	0,656
	<p>11.Grafe, M; Klauber, C; Gan, B; Tappero, RV, 2014, Synchrotron X-ray microdiffraction (mu XRD) in minerals and environmental research, <b>Powder Diffraction</b>, 29, S64-S72 DOI: 10.1017/S0885715614001031; <b>IF=0,674, AIS =0,250</b></p>	0,250
	<p>12.Schofield, PF; Smith, AD; Scholl, A; Doran, A; Covey-Crump, SJ; Young, AT; Ohldag, H, 2014, Chemical and oxidation-state imaging of mineralogical intergrowths: The application of X-ray photo-emission electron microscopy (XPEEM), <b>Coordination Chemistry Reviews</b>, 277/31-43, DOI: 10.1016/j.ccr.2014.02.006, <b>IF=13,324; AIS=3,156</b></p>	3,156
	<p>13.West, M; Ellis, AT; Potts, PJ; Strel, C; Vanhoof, C; Wobrauschek, P, 2014, 2014 Atomic Spectrometry Update - a review of advances in X-ray fluorescence spectrometry, <b>Journal Of Analytical Atomic Spectrometry</b>, 29/9, 1516-1563, DOI: 10.1039/c4ja90038c; <b>IF=3,379;AIS=0,767</b></p>	0,767
	<p>14.Hodson, ME; Black, S; Brinza, L; Carpenter, D; Lambkin, DC; Mosselmans, JFW; Palumbo-Roe, B; Schofield, PF; Sizmur, T; Versteegh, EAA, 2014, Biology as an agent of chemical and mineralogical change in soil, <b>Geochemistry Of The Earth's Surface Ges-10 Book Series: Procedia Earth and Planetary Science</b>, Volume: 10 Pages: 114-117 DOI: 10.1016/j.proeps.2014.08.039</p>	

<p>4. Loredana Brinza, Paul D. Quinn, Paul F. Schofield, Frederick J. W. Mosselmans, Mark E. Hodson, 2012, Incorporation of strontium in earthworm-secreted calcium carbonate granules produced in strontium-amended and strontium-bearing soil, <i>Geochimica et Cosmochimica Acta</i>, 113 21-37, DOI: <a href="https://doi.org/10.1016/j.gca.2013.03.011">10.1016/j.gca.2013.03.011</a>, (AIS= 1.801, Q1, Cited 11 times));</p>	1. Littlewood et al <b>2017</b> , Mechanisms of enhancing strontium uptake into calcite via an amorphous calcium carbonate crystallization pathways, <b>Crystal Growth &amp; Design</b> , <b>IF=4,055</b> , <b>AIS=0,836</b>	0,836
	2. Versteegh E.A.A., Black S., Hodson M.E., <b>2017</b> , Carbon isotope fractionation between amorphous calcium carbonate and calcite in earthworm-produced calcium carbonate, <b>Applied Geochemistry</b> , 78, <b>IF=2,581</b>	0,775
	3. Katsikini, M, <b>2016</b> , Detailed spectroscopic study of the role of Br and Sr in coloured parts of the Callinectes sapidus crab claw, <b>Journal Of Structural Biology</b> , 195/1, 1-10, DOI: 10.1016/j.jsb.2016.05. <b>IF=2,767; AIS=1,936</b>	1,936
	4. Carvalho, RM; dos Santos, JA; Silva, JAS; do Prado, TG; da Fonseca, AF; Chaves, ES; Frescura, VLA, <b>2015</b> , Determination of metals in Brazilian soils by inductively coupled plasma mass spectrometry, <b>Environmental Monitoring And Assessment</b> , 187/8, DOI: 10.1007/s10661-015-4769-y, <b>IF=1,687; AIS=0,394</b>	0,394
	5. Li, ZY; Linares, RV; Bucs, S; Aubry, C; Ghaffour, N; Vrouwenvelder, JS; Amy, G, <b>2015</b> , Calcium carbonate scaling in seawater desalination by ammonia-carbon dioxide forward osmosis: Mechanism and implications, <b>Journal Of Membrane Science</b> , 481, 36-43 DOI: 10.1016/j.memsci.2014.12.055, <b>IF=6,035 ; AIS=1,155</b>	1,155
	6. Hodson, ME; Benning, LG; Demarchi, B (Demarchi, Bea); Penkman, KEH; Rodriguez-Blanco, JD; Schofield, PF; Versteegh, EAA, <b>2015</b> , Biomineralisation by earthworms - an investigation into the stability and distribution of amorphous calcium carbonate, <b>Geochemical Transactions</b> , 16, DOI: 10.1186/s12932-015-0019-z, <b>IF=1,71; AIS=0,656</b>	0,656
	7. Burke, IT; Mosselmans, JFW; Shaw, S; Peacock, CL; Benning, LG; Coker, VS, <b>2015</b> , Impact of the Diamond Light Source on research in Earth and environmental sciences: current work and future perspectives, <b>Philosophical Transactions Of The Royal Society A-Mathematical Physical And Engineering Sciences</b> , 373/ 2036, DOI:10.1098/rsta.2013.0151, <b>IF=2,97; AIS=1,446</b>	1,446
	8. Rodriguez-Tovar, FJ; Martin-Peinado, FJ, <b>2014</b> , Lateral and vertical variations in contaminated sediments from the Tinto River area (Huelva, SW Spain): Incidence on tracer activity and implications of the palaeontological approach, <b>Palaeogeography Palaeoclimatology Palaeoecology</b> , 414, 426-437, DOI: 10.1016/j.palaeo.2014.09.022, <b>IF=2,578; AIS=0,960</b>	0,960
	9. Brinza, L; Schofield, PF; Mosselmans, JFW; Donner, E; Lombi, E; Paterson, D; Hodson, ME, <b>2014</b> , Can earthworm-secreted calcium carbonate immobilise Zn in contaminated soils?, <b>Soil Biology &amp; Biochemistry</b> , 74, 1-10 DOI: 10.1016/j.soilbio.2014.01.012, <b>IF=4,857; AIS=1,342</b>	1,342
	10. Andersson, MP; Sakuma, H; Stipp, SLS, <b>2014</b> , Strontium, Nickel, Cadmium, and Lead Substitution into Calcite, Studied by Density Functional Theory, , <b>Langmuir</b> , 30-21, 6129-6133, DOI: 10.1021/la500832u, <b>IF=3,833; AIS=1,017</b>	1,017
	11. Versteegh, EAA; Black, S; Hodson, ME, <b>2014</b> , Environmental controls on the production of calcium carbonate by earthworms, <b>Soil Biology &amp; Biochemistry</b> , 70, 159-161 DOI: 10.1016/j.soilbio.2013.12.013, <b>IF=4,857, AIS=1,342</b>	1,342



	12. Hodson, ME; Black, S; Brinza, L; Carpenter, D; Lambkin, DC; Mosselmans, JFW; Palumbo-Roe, B (Palumbo-Roe, Barbara); Schofield, PF; Sizmur, T; Versteegh, EAA, <b>2014</b> , Biology as an agent of chemical and mineralogical change in soil, <i>Geochemistry Of The Earth's Surface GES-10</i> , Book Series: <b>Procedia Earth and Planetary Science</b> , 10,114-117 DOI: 10.1016/j.proeps.2014.08.039	
	13. Brinza, L; Schofield, PF; Hodson, ME; Weller, S; Ignatyev, K; Geraki, K; Quinn, PD; Mosselmans, JFW , 2014, Combining mu XANES and mu XRD mapping to analyse the heterogeneity in calcium carbonate granules excreted by the earthworm <i>Lumbricus terrestris</i> , <b>Journal Of Synchrotron Radiation</b> , 21, 235-241 DOI: 10.1107/S160057751303083X, <b>IF=3,011; AIS=1,153</b>	1,153
5.Loredana Brinza, Charlotta A. Nygard, Matthew J. Dring, Liane G. Benning, Maria Gavrilescu, (2009), <b>Bioresource Technology</b> , Vol. 100, No 5, 1727-1733, doi:10.1016/j.biortech.200 8.09.041, (IF= 4.917, AIS= 1.037, Q1);	1. J Costa, GB; Simioni, C; Pereira, DT; Ramlov, F; Maraschin, M; Chow, F; Horta, PA; Bouzon, ZL; Schmidt, EC, Costa, Giulia B.; Simioni, Carmen; Pereira, Debora T.; Ramlov, Fernanda; Maraschin, Marcelo; Chow, Fungyi; Horta, Paulo A.; Bouzon, Zenilda L.; Schmidt, Eder C., <b>2017</b> , The brown seaweed <i>Sargassum cymosum</i> : changes in metabolism and cellular organization after long-term exposure to cadmium, <b>Protoplasma</b> , 254/2, 817-837, <b>IF=2,87; AIS=0,649</b>	0,649
	2. J Henriques, B; Lopes, CB; Figueira, P; Rocha, LS; Duarte, AC; Vale, C; Pardal, MA; Pereira, E, Henriques, Bruno; Lopes, Claudia B.; Figueira, Paula; Rocha, Luciana S.; Duarte, Armando C.; Vale, Carlos; Pardal, Miguel A.; Pereira, Eduarda, <b>2017</b> , Bioaccumulation of Hg, Cd and Pb by <i>Fucus vesiculosus</i> in single and multi-metal contamination scenarios and its effect on growth rate, <b>Chemosphere</b> , 171, 208-222, <b>IF=4,208; AIS=0,932</b>	0,932
	3. B Hlihor, RM; Apostol, LC; Gavrilescu, M Anjum, NA; Gill, SS; Tuteja, N Hlihor, Raluca-Maria; Apostol, Laura-Carmen; Gavrilescu, Maria, <b>2017</b> , Environmental Bioremediation by Biosorption and Bioaccumulation: Principles and Applications, 2017, <b>Enhancing Cleanup Of Environmental Pollutants, Vol 1, Biological Approaches</b>	
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<b>Total doar pentru AIS&gt;0,5</b>		<b>80,087</b>

**Total general (Tabel 1 si Tabel 2): 6,932+80,087=87,019**

Data: 04.12.2017

Semnatura: 