

Anexa 2. Fișa de îndeplinire a standardelor minimale pe domenii ale Departamentului Interdisciplinar de Cercetare – Domeniul Științe

Subsemnata Dr. ing. Loredana Țepeș (nume științific Brînză) declar ca întrunesc condițiile standardelor minimale pe domenii ale Departamentului Interdisciplinar de Cercetare – Domeniul Științe pentru poziția de cercetător științific III în cadrul Institutului de Cercetare Interdisciplinara, Departamentului Interdisciplinar - Științe, Domeniul Chimie și inginerie chimică, conform Hotărârii Senatului Universității "Alexandru Ioan Cuza" din Iași. nr 35 din data de 22.11.2018 în care s-a aprobat *Metodologia de concurs, pentru ocuparea posturilor de cercetare pe perioadă nedeterminată în Universitatea Alexandru Ioan Cuza din Iași.*

Anexa 2. Standarde minimale pe domenii pentru funcții de cercetare – perioada nedeterminată

Condiții minime	Rezultate obținute	Îndeplinirea criteriului
Minim 3 articole în domeniul postului publicat în calitate de autor principal cu AIS ≥ 1 , sau minim 6 articole în domeniul postului publicat în calitate de autor principal citate în reviste cu AIS $\geq 0,5$	(i); 5 articole în calitate de autor principal în reviste cu AIS > 1 ; (a se vedea anexa) (ii) sau 7 articole citate în reviste cu AIS $> 0,5$; (a se vedea anexa)	Criteriu îndeplinit
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 ≥ 2	Suma AIS din toate publicațiile în calitate de autor principal este 8.595 și suma AIS a publicațiilor cu AIS $\geq 0,5$ care citează articole publicate în calitate de autor principal de către candidat este 103,561 . (a se vedea anexa)	Criteriu îndeplinit

Data: 09.05.2019

Semnătura:



ANEXA 2. Standardele Departamentului Interdisciplinar –Științe, Universitatea „Alexandru Ioan Cuza” din Iași, pentru ocuparea posturilor de cercetător științific III pe durată nedeterminată

Tabel 1. Suma AIS din toate publicatiile in calitate de autor principal ale candidatului cu AIS ≥0,5

Nr ctr	Publicatie	AIS
1.	Loredana Brinza , Hong Phuc Vu, Mariana Neamtu, Liane G Benning, 2019, Experimental and simulation results of the adsorption of Mo and V onto ferrihydrite, Scientific Reports , 9, Article number: 1365 (IF=4,122; AIS= 1,356; Q1)	1,356
2.	Loredana Brinza , Kalotina Geraki, Iuliana G, Breaban, Mariana Neamtu, 2019, Zn adsorption onto Irish Fucus vesiculosus: Biosorbent uptake capacity and atomistic mechanism insights, Journal of Hazardous Materials , 365: p. 252-260 (IF= 6,434; AIS= 1,182; Q1)	1,182
3.	Loredana Brinza , 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, Crystal Growth and Design , 15 (10), 4768–4780, DOI: 10.1021/acs.cgd.5b00173, (IF= 3,972; AIS= 0,777; Q1);	0,777
4.	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?, Soil Biology and Biochemistry , 74, 1-10, DOI: 10.1016/j.soilbio.2014.01.012, (IF=4,926; AIS=1,403, Q1)	1,403
5.	Loredana Brinza , P, F, Schofield, M, E, Hodson, S, Weller, K, Ignatyev, K, Geraki, P, D, Quinn and J, F, W, Mosselmans, 2014, Combining μ XANES and μ XRD mapping to analyse the heterogeneity in calcium carbonate granules excreted by the earthworm <i>Lumbricus terrestris</i> Journal of Synchrotron Radiation , 01/2014, 21, 235-41; DOI:10.1107/S160057751303083X, (IF=3,232; AIS=1,078, Q1)	1,153
6.	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, Geochimica et Cosmochimica Acta , 113 21-37, DOI: 10.1016/j.gca.2013.03.011, (IF= 4,690, AIS= 1,751, Q1);	1,751
7.	Loredana Brinza , 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, Bioresource Technology , Vol, 100, No 5, 1727-1733, doi:10.1016/j.biortech.2008.09.041, (IF= 5,807, AIS= 0,973, Q1);	0,973
8.	Loredana Brinza , Liane G, Benning, Peter J, Statham, (2008), Adsorption studies of Mo and V onto ferrihydrite, Mineralogical Magazine , Vol, 72, No1, 107–110; doi:10.1180/minmag.2008.072.1.385, (IF= 1,774, AIS= 0,476, Q3);	0,476
9.	Loredana Brinza , Matthew J, Dring, Maria Gavrilescu, (2007), Marine micro and macro algal species as biosorbents for heavy metals treatment - review, Environmental Engineering and Management Journal , Vol, 6, No, 3, 237-251, (IF= 1,334, AIS=0,086, Q3);	0,086
10.	Loredana Brinza , Matthew J, Dring, Maria Gavrilescu, (2005), Biosorption of Cu (2+) ions from aqueous solution by- <i>Enteromorpha sp</i> , Environmental Engineering and Management Journal , Vol,4, No,1, 41-51, (IF= 1,334, AIS=0,086, Q3);	0,086
11.	Loredana Brinza , Maria Gavrilescu, (2003), pH Effect on the Biosorption of Cu (2+) from Aqueous Solution by <i>Saccharomyces Cerevisiae</i> , Environmental Engineering and Management Journal , Vol,2, No,3, 243-254, (IF= 1,334, AIS=0,086, Q3);	0,086
Total	Suma AIS din toate publicatiile in calitate de autor principal ale candidatului	8,595

Tabel 2. Suma AIS a publicațiilor cu AIS ≥0,5 care citează articolele publicate în calitate de autor principal

Articol autor principal	Articole care citează articolul ca autor principal	AIS a jurnalului în care e publicat articolul citat
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: (IF= 3,972; AIS= 0,777; Q1);	1. By: Lu, Yang; Hu, Shiwen; Wang, Zimeng; et al., 2019, Ferrihydrite transformation under the impact of humic acid and Pb: kinetics, nanoscale mechanisms, and implications for C and Pb dynamics, ENVIRONMENTAL SCIENCE-NANO , 6, 3, 747-762, (IF=6,087, AIS=1,407)	1,407
	2. Brinza, Loredana; Hong Phuc Vu; Neamtu, Mariana; et al, 2019, Experimental and simulation results of the adsorption of Mo and V onto ferrihydrite, SCIENTIFIC REPORTS Volume: 9 Article Number: 1365, IF=4,122; AIS=1,356	1,356
	3. Perez, Jeffrey Paulo H.; Freeman, Helen M.; Schuessler, Jan A.; et al, 2019, The interfacial reactivity of arsenic species with green rust sulfate (GR(SO ₄)), SCIENCE OF THE TOTAL ENVIRONMENT , 648, 1161-1170, IF=4,610; AIS=1,032	1,032
	4. Pan, Bingjun; Chen, Du; Zhang, Huichun; et al, 2018, Stability of hydrous ferric oxide nanoparticles encapsulated inside porous matrices: Effect of solution and matrix phase, CHEMICAL ENGINEERING JOURNAL , 347, 870-876, IF=6,735; AIS=1,084	1,084
	5. McBriarty, Martin E.; Kerisit, Sebastien; Bylaska, Eric J.; et al., 2018, Iron Vacancies Accommodate Uranyl Incorporation into Hematite, ENVIRONMENTAL SCIENCE & TECHNOLOGY , 52, 11, 6282-6290, IF=6,653; AIS=1,646	1,164
	6. Bolanz, Ralph M.; Kiefer, Stefan; Goettlicher, Joerg; et al., 2018, Hematite (alpha-Fe ₂ O ₃) - A potential Ce ⁴⁺ carrier in red mud, SCIENCE OF THE TOTAL ENVIRONMENT , 622, 849-860, IF=4,610; AIS=1,032	1,032
	7. Ho, Peng; Lee, Jong-Mi; Heller, Maija I.; et al., 2018, The distribution of dissolved and particulate Mo and V along the US GEOTRACES East Pacific Zonal Transect (GP16): The roles of oxides and biogenic particles in their distributions in the oxygen deficient zone and the hydrothermal plume, MARINE CHEMISTRY , 201, 242-255, IF=3,337; AIS=1,166	1,166
	8. Leiviska, Tiina; Khalid, Muhammad Kamran; Sarpola, Arja; Tanskanen, Juha 2017 , Removal of vanadium from industrial wastewater using iron sorbents in batch and continuous flow pilot systems, JOURNAL OF ENVIRONMENTAL MANAGEMENT , 190, 231-242, IF=4,005; AIS=0,878	0,878
	9. Katrin Schulz, Roman Schmack, Hagen, W, Klemm, Anke Kabelitz, Thomas Schmidt, Franziska Emmerling, Ralph Kraehnert 2017 , Mechanism and Kinetics of Hematite Crystallization in Air: Linking Bulk and Surface Models via Mesoporous Films with Defined Nanostructure, CHEMISTRY OF MATERIALS 9 (4), 1724-1734; IF=9,890; AIS=2,501	2,501
	10. 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, 2017 , Origin of Magnetism in	1,646

	Hydrothermally Aged 2-Line Ferrihydrite Suspensions, ENVIRONMENTAL SCIENCE & TECHNOLOGY , 51 (5), 2643-2651; IF=6,653; AIS=1,646	
	11. Kristina M, Peterson, Peter J, Heaney, Jeffrey E, Post, 2016 , A kinetic analysis of the transformation from akaganeite to hematite: An in situ time-resolved X-ray diffraction study, CHEMICAL GEOLOGY 444, 27-36, IF=3,570; AIS=1,560	1,560
	12. Soumya Das, Joseph Essilfie-Dughan, M, Jim Hendry, 2016, Sequestration of molybdate during transformation of 2-line ferrihydrite under alkaline conditions, APPLIED GEOCHEMISTRY 73, 70-80, IF=3,088; AIS=0,773	0,773
	13. Francisco, PCM; Sato, T; Otake, T; Kasama, T, 2016 , Kinetics of Fe ³⁺ mineral crystallization from ferrihydrite in the presence of Si at alkaline conditions and implications for nuclear waste disposal, AMERICAN MINERALOGIST , 101/9-10, 2057-2069, IF=2,645; AIS=0,944	0,944
	14. Kreissl, Stefan; Bolanz, Ralph; Goettlicher, Joerg; Steininger, Ralph; Tarassov, Mihail; Markl, Gregor, 2016 , Structural incorporation of W ⁶⁺ 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, AMERICAN MINERALOGIST , 101/12, 2701-2715 IF=2,645; AIS=0,944	0,944
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?, Soil Biology and Biochemistry , 74, 1-10, DOI: 10.1016/j.soilbio.2014.01.012, (IF=4,926; AIS=1,403, Q1)	1. Dehghanian, H.; Halajnia, A.; Lakzian, A.; et al, 2018, The effect of earthworm and arbuscular mycorrhizal fungi on availability and chemical distribution of Zn, Fe and Mn in a calcareous soil, APPLIED SOIL ECOLOGY , 130, 98-103, IF=2,916; AIS=0,766	0,766
	2. Hollyman, P, R.; Leng, M, J.; Chenery, S, R, N.; et al., 2018, Statoliths of the whelk Buccinum undatum: a novel age determination tool, MARINE ECOLOGY PROGRESS SERIES , 598, 261-272, IF=2,276; AIS=0,800	0,800
	3. Kavehei, Armin; Hose, Grant C.; Gore, Damian B., 2018, Effects of red earthworms (<i>Eisenia fetida</i>) on leachability of lead minerals in soil, ENVIRONMENTAL POLLUTION , 237, 851-857, IF=4,358; AIS=1,118	1,118
	4. Versteegh E,A,A., Black S., Hodson M,E., 2017 , Carbon isotope fractionation between amorphous calcium carbonate and calcite in earthworm-produced calcium carbonate, APPLIED GEOCHEMISTRY , 78, IF=3,088; AIS=0,773	0,773
	5. Wang, H; Wang, X-J; Wang, W,-S; Chen, J; Zhao, J-F, 2016 , Modeling and optimization of struvite recovery from wastewater and reusing from heavy metals mobilization in contaminated soils, JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY , IF=2,587; AIS=0,520	0,520
	6. Du, YJ; Wei, ML; Reddy, KR; Wu, HL, 2016 , Effect of carbonation on leachability, strength and microstructural characteristics of KMP binder stabilized Zn and Pb contaminated soils,	0,868

	CHEMOSPHERE , 144, : 1033-1042 DOI: 0,1016/j.chemosphere,2015,09,082, IF=4,427; AIS=0,868	
	7. Richardson, JB; Gorres, JH; Jackson, BP; Friedland, AJ, 2015 , Trace metals and metalloids in forest soils and exotic earthworms in northern New England, USA, SOIL BIOLOGY & BIOCHEMISTRY 85, 190-198 DOI: 10,1016/j.soilbio,2015,03,001, IF=4,926; AIS=1,403	1,403
	8. 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, GEOCHEMICAL TRANSACTIONS , 16; FI=1,727; AIS=0,633	0,633
	9. Aghababaei, F; Raiesi, F; Fiosseinpur, A, 2014 , The influence of earthworm and mycorrhizal co-inoculation on Cd speciation in a contaminated soil, Source: SOIL BIOLOGY & BIOCHEMISTRY Volume: 78 Pages: 21-29 DOI: 10,1016/j.soilbio,2014,06,010, IF=4,926; AIS=1,403	1,403
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 μ XANES and μ XRD mapping to analyse the heterogeneity in calcium carbonate granules excreted by the earthworm <i>Lumbricus terrestris</i> Journal of Synchrotron Radiation, 01/2014, 21, 235-41; DOI:10,1107/S160057751303083X, (IF=3,232; AIS=1,078, Q1)	1. Chang, S, -Y.; Kathyola, T, A.; Willneff, E, A.; et al., 2019, A versatile liquid-jet/sessile droplet system for operando studies of reactions in liquid dispersions and solutions by X-ray absorption spectroscopy, REACTION CHEMISTRY & ENGINEERING , 4, 4, 679-687, IF=4,641, AIS=1,064	1,064
	2. Hamilton, Jordan G.; Reid, Joel W.; Feng, Renfei; et al., 2018, Evaluating Synchrotron-Based Scanning Laue Microdiffraction for Mineralogy Mapping in Heterogeneous Samples, ACS EARTH AND SPACE CHEMISTRY , 2, 11, 1161-1167,	0,775
	3. Diaz-Moreno, Sofia; Amboage, Monica; Basham, Mark; et al., 2018, The Spectroscopy Village at Diamond Light Source, JOURNAL OF SYNCHROTRON RADIATION , 25, 998-1009, IF=3,232; AIS=1,078	1,078
	4. Rowley, Mike C.; Grand, Stephanie; Verrecchia, Eric P., 2018, Calcium-mediated stabilisation of soil organic carbon, BIOGEOCHEMISTRY , 137, 1-2, 27-49, IF=3,265; AIS=1,215	1,215
	5. Versteegh, EAA; Black, S; Hodson, ME, 2017 , Carbon isotop fractionation between amorphous calcium carbonate and calcite in earthworm produced calcium carbonate, APPLIED GEOCHEMISTRY , 78, IF=3,088; AIS=0,773	0,773
	6. 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, GEOCHEMICAL TRANSACTIONS , 16, DOI: 10,1186/s12932-015-0019-z Published: APR 28, IF=1,727, AIS=0,633	0,633
	7. 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), COORDINATION CHEMISTRY REVIEWS , 277/31-43, DOI: 10,1016/j.ccr,2014,02,006, IF=14,499; AIS=3,092	3,092
	8. 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, JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY , 29/9, 1516-1563, DOI: 10,1039/c4ja90038c; IF=3,608; AIS=0,727	0,727

<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, Geochimica et Cosmochimica Acta, 113 21-37, DOI: 10,1016/j.gca,2013,03,011, (IF= 4,690, AIS= 1,751, Q1);</p>	1. Wang, Yi-Jing; Wei, Hai-Zhen; Jiang, Shao-Yong; et al., 2018, Mechanism of boron incorporation into calcites and associated isotope fractionation in a steady-state carbonate-seawater system, APPLIED GEOCHEMISTRY , 98, 221-236, IF=3,088; AIS=0,773	0,773
	2. Littlewood et al 2017 , Mechanisms of enhancing strontium uptake into calcite via an amorphous calcium carbonate crystallization pathways, CRYSTAL GROWTH & DESIGN , IF=3,972, AIS=0,777	0,777
	3. Versteegh E,A,A,, Black S,, Hodson M,E,, 2017 , Carbon isotope fractionation between amorphous calcium carbonate and calcite in earthworm-produced calcium carbonate, APPLIED GEOCHEMISTRY , 78, IF=3,088, AIS=0,773	0,773
	4. Katsikini, M, 2016 , Detailed spectroscopic study of the role of Br and Sr in coloured parts of the Callinectes sapidus crab claw, JOURNAL OF STRUCTURAL BIOLOGY , 195/1, 1-10, DOI: 10,1016/j.jsb,2016,05, IF=3,433; AIS=2,497	2,497
	5. Li, ZY; Linares, RV; Bucs, S; Aubry, C; Ghaffour, N; Vrouwenvelder, JS; Amy, G, 2015 , Calcium carbonate scaling in seawater desalination by ammonia-carbon dioxide forward osmosis: Mechanism and implications, JOURNAL OF MEMBRANE SCIENCE , 481, 36-43 DOI: 10,1016/j.memsci,2014,12,055, IF=6,578 ; AIS=1,189	1,189
	6. Hodson, ME; Benning, LG; Demarchi, B (Demarchi, Bea); Penkman, KEH; Rodriguez-Blanco, JD; Schofield, PF; Versteegh, EAA, 2015 , Biomineralisation by earthworms - an investigation into the stability and distribution of amorphous calcium carbonate, GEOCHEMICAL TRANSACTIONS , 16, DOI: 10,1186/s12932-015-0019-z, , IF=1,727, AIS=0,633	0,633
	7. Burke, IT; Mosselmans, JFW; Shaw, S; Peacock, CL; Benning, LG; Coker, VS, 2015 , Impact of the Diamond Light Source on research in Earth and environmental sciences: current work and future perspectives, PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES , 373/ 2036, DOI:10,1098/rsta,2013,0151, IF=2,748; AIS=1,315	1,315
	8. Rodriguez-Tovar, FJ; Martin-Peinado, FJ, 2014 , 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, PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY , 414, 426-437, DOI: 10,1016/j.palaeo,2014,09,022, IF=2,375; AIS=0,898	0,898
	9. Brinza, L; Schofield, PF; Mosselmans, JFW; Donner, E; Lombi, E; Paterson, D; Hodson, ME, 2014 , Can earthworm-secreted calcium carbonate immobilise Zn in contaminated soils?, SOIL BIOLOGY & BIOCHEMISTRY , 74, 1-10 DOI: 10,1016/j.soilbio,2014,01,012, IF=4,857; AIS=1,342	1,342
	10. Andersson, MP; Sakuma, H; Stipp, SLS, 2014 , Strontium, Nickel, Cadmium, and Lead Substitution into Calcite, Studied by Density Functional Theory, LANGMUIR , 30-21, 6129-6133, DOI: 10,1021/la500832u, IF=3,789; AIS=0,964	0,964
	11. Versteegh, EAA; Black, S; Hodson, ME, 2014 , Environmental controls on the production of calcium carbonate by earthworms, SOIL BIOLOGY & BIOCHEMISTRY , 70, 159-161 DOI: 10,1016/j.soilbio,2013,12,013, IF=4,926, AIS=1,403	1,403

12. 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 Lumbricus terrestris, JOURNAL OF SYNCHROTRON RADIATION , 21, 235-241 DOI: 10,1107/S160057751303083X, IF=3,232; AIS=1,078	1,078
1. Brinza, Loredana; Geraki, Kalotina; Breaban, Juliana G.; et al., 2019, Zn adsorption onto Irish Fucus vesiculosus: Biosorbent uptake capacity and atomistic mechanism insights, JOURNAL OF HAZARDOUS MATERIALS , 365, 252-260, IF=6,464, AIS=1,182	1,182
2. Henriques, Bruno; Teixeira, Ana; Figueira, Paula; et al., 2019, Simultaneous removal of trace elements from contaminated waters by living Ulva lactuca, SCIENCE OF THE TOTAL ENVIRONMENT , 652 , 880-888, IF=4,610; AIS=1,032	1,032
3. 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., 2017 , The brown seaweed Sargassum cymosum: changes in metabolism and cellular organization after long-term exposure to cadmium, PROTOPLASMA , 254/2, 817-837, IF=4,129; AIS=0,572	0,572
4. 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, 2017 , Bioaccumulation of Hg, Cd and Pb by Fucus vesiculosus in single and multi-metal contamination scenarios and its effect on growth rate, CHEMOSPHERE , 171, 208-222, IF=4,427; AIS=0,868	0,868
5. Costa, Giulia Burle; Simioni, Carmen; Ramlov, Fernanda; Maraschinb Marcelo; Chowc Fungyi; Bouzona L, Zenilda; Schmidt C, Éder, 2017 , Effects of manganese on the physiology and ultrastructure of Sargassum cymosum, ENVIRONMENTAL AND EXPERIMENTAL BOTANY , 133, 24-34 , IF=3,666, AIS=0,986	0,986
6. Mangal, V; Zhu, Y; Shi, YX; Gueguen, C, 2016 , Assessing cadmium and vanadium accumulation using diffusive gradient in thin-films (DGT) and phytoplankton in the Churchill River estuary, Manitobal, CHEMOSPHERE , 163, 90-98 DOI: 10,1016/j.chemosphere,2016,08,008, IF=4,427; AIS=0,868	0,868
7. Uslu, H; Datta, D; Azizian, S, 2016, Separation of chromium (VI) from its liquid solution using new montmorillonite supported with amine based solvent, JOURNAL OF MOLECULAR LIQUIDS , 215, 449-453, DOI: 10,1016/j.molliq,2016,01,023, IF=4,513; AIS=0,570	0,570
8. Costa, GB; de Felix, MRL; Simioni, C; Ramlov, F; Oliveira, ER; Pereira, DT; Maraschin, M; Chow, FY; Horta, PA; Lalau, CM; da Costa, CH; Matias, WG; Bouzon, ZL; Schmidt, EC, 2016 , Effects of copper and lead exposure on the ecophysiology of the brown seaweed Sargassum cymosum, PROTOPLASMA , 253/1, 111-125 DOI: 10,1007/s00709-015-0795-4, IF=4,129; AIS=0,572	0,572

9.	Zhang, AQ ; Xu, T; Zou, HX; Pang, QY, 2015 , Comparative proteomic analysis provides insight into cadmium stress responses in brown algae <i>Sargassum fusiforme</i> , AQUATIC TOXICOLOGY , 163, 1-15, DOI: 10,1016/j.aquatox,2015,03,018, IF=3,884; AIS=0,802	0,802
10.	Hlihor, RM; Diaconu, M; Leon, F ; Curteanu, S; Tavares, T; Gavrilescu, M, 2015 , Experimental analysis and mathematical prediction of Cd(II) removal by biosorption using support vector machines and genetic algorithms, NEW BIOTECHNOLOGY , 32/3, 358-368, DOI: 10,1016/j.nbt,2014,08,003, IF=3,733; AIS=0,809	0,809
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of Cu (2+) ions from aqueous solution by- Enteromorpha sp, Environmental Engineering and Management Journal, Vol,4, No,1, 41-51, (IF= 1,334, AIS=0,086, Q3);		
Total		103,561

Total general (Tabel 1 si Tabel 2): 8,595+103,561=112,156

Data: 09.05.2019

Semnatura: 

Anexa 2. Fișa de îndeplinire a standardelor minimale pe domenii - Domeniul Chimie

Subsemnata Dr. ing. Loredana Brînză (căs Țepeș) declar că întrunesc condițiile standardelor minimale pe domenii ale Universității pentru postul de cercetător științific III, poziția 20 din cadrul Departamentului Interdisciplinar - Științe, Domeniul Chimie, conform *Metodologiei de concurs, pentru ocuparea posturilor de cercetare pe perioadă nedeterminată în Universitatea Alexandru Ioan Cuza din Iași*, aprobată de Hotărârea Senatului Universității "Alexandru Ioan Cuza" din Iași nr 35 din data de 22.11.2018

Concursul a fost anunțat în Monitorul Oficial al României, nr. 456, partea a III-a din 03.05.2019 și publicat în data 03.05.2019.

- a) Deținerea diplomei de doctor în domeniul științific postului sau în domenii conexe în cazul posturilor interdisciplinare, dacă contribuțiile științifice sunt în concordanță cu descrierea postului și domeniul științific pentru care candidează.

Criterii realizate	Îndeplinirea criteriului
Diploma de doctor în Științele Pământului Loredana Brînză, 2010, Interactions of molybdenum and vanadium with iron nanoparticles, PhD thesis, University of Leeds, United Kingdom, ISBN: 978-0-85731-019-4 (teza publicată online la: http://etheses.whiterose.ac.uk/1082/1/LBrinza_PhD_thesis.pdf)	Criteriu îndeplinit
Diploma de doctor în Inginerie chimică Loredana Brînză, 2011, Bioremedierea recuperativă prin biosorbție a factorilor de mediu poluați cu metale (Recuperative Bioremediation Of Metals From Environmental Components using Biosorption), PhD thesis, Gh Asachi, Technical University Iasi, Romania (Rezumat teza publicat online la: http://www.tuiasi.ro/users/110/TD_BrinzaL2011.pdf)	Criteriu îndeplinit

Standardele universității pe domeniul Chimie

Funcția de cercetare: cercetător științific III		
Standarde minime	Standarde realizate	Îndeplinirea standardului
-6 articole științifice publicate în extenso în reviste internaționale, din care 3 ca autor principal în reviste cotate Web of Science cu factor de impact; - candidații care provin din cercetare trebuie să întrunească dublul cerințelor referitoare la activitatea științifică, activitate care trebuie să fie obligatoriu în profilul postului.	-17 lucrări publicate în reviste cotate ISI dintre care 11 lucrări ca autor principal în reviste cotate Web of Science cu factor de impact (a se vedea lista publicațiilor);	Standard îndeplinit
-membru în echipa a 2 proiecte de cercetare cu finanțare obținută prin competiție națională sau internațională	-7 proiecte în calitate de director/coordonator de proiect, - 20 de proiecte de cercetare în calitate de membru în echipa (a se vedea info în CV) .	Standard îndeplinit

Data: 14.05.2019

Semnătura

