



Comisia INGINERIA MEDIULUI

Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare –dezvoltare

1. Propunere de definitii privind structura candidatului

Nr.crt	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategoriile	Indicatori	Candidat Iuliana BREABĂN
1.	Activitatea didactică și profesională (A1)	Cărți-Capitole în cărți de specialitate, monografii	Profesor minim 4	Internaționale	40 puncte/100 pagini	2.40
				naționale	20 puncte/100 pagini	175 (6 publicatii = 875 pg)
		Manuale- support didactic/ Lucrări didactice, îndrumare de laborator, proiectare etc (în acord cu structura postului)	Inclusive cele publicate pe plan intern în formă tipărită, fără ISBN sau în format electronic, on-line, cu menționarea adresei web la care pot fi accesate	10 puncte/100 pagini		42.20 (publicatii = 422 pg)
	Total A1					219.6
2.	Activitatea de cercetare (A2)	Articole în extensor în reviste cotate ISI Thomson Reuters			Profesor $40 * \sum Fi \geq 400$ cu $n \geq 11$	n=20 $\sum Fi=17.903$ = 716,12
		Brevete de invenție	Internațional	Fi echiv.= 5,0	Fi – factorul de impact al articolului în momentul publicării (conform JCRs), brevetului; n-numărul de lucrări minim 50% articole ISI	-
			național	Fi echiv.= 0,5		-
		Articole în reviste și volumele unor manifestări științifice, indexate în baz28+41 e de date internaționale ISI Proceedings	Profesor minim 16		5 puncte/ lucrare	n = 14 ISI proceed. n = 41 BDI n = 19 BDI proceed. n=74 370
		Granturi/Proiecte castigate prin competiție	Director/responsabil: Profesor minim 2 (granturi/proiecte/contracte)	internaționale	15 pct/5000 € 10pct/5000 €	15,62
				naționale		
				(Sume din granturi de cercetare / proiecte de cercetare / contracte de cercetare), câștigate prin competiție națională sau internațională, fiecare cu valori mai mari de 5000€ la data contractării, ca director ori responsabil de proiect sau ca director de contracte cu operatorii economici)		88,23
	Total A2					1174,35



3.	Recunoașterea impactului activității (A3)	Citări în reviste ISI Thomson Reuters și BDI (se exclud autocitările)	Profesor: minim 30 citări	3 puncte/citare	116 citări = 348
	Total A3				348

Conditii minimale

Nr.crt.	Categoria		
	<i>Domeniul de activitate</i>	<i>Conditii profesor</i>	<i>Candidat</i>
1	Activitatea didactică/profesională (A1)	Minim 210 puncte	219,6
2	Activitatea de cercetare (A2)	Minim 500 puncte	1174,35
3	Recunoașterea impactului activității (A3)	Minim 90 puncte	348
4	TOTAL	Minim 800 puncte	1741,95

Conf.dr.ing. Iuliana Gabriela BREABĂN



Activitatea didactică și profesională (A1)	Cărți-Capitole în cărți de specialitate, monografii	Profesor minim 4	Internaționale	40 puncte/100 pagini	2.40
			naționale	20 puncte/100 pagini	175 (6 publicatii = 875 pg)

	Punctaj
Publicații cu ISBN:	
1. Iuliana G. Breabăn <i>“Materiale compozite biodegradabile pe bază de polimeri naturali și sintetic”</i> , Ed. Tehnopress, Iași, 1999, 225p, ISBN- 9732-98864-5-0	45
2. Iuliana G. Breabăn (2009) – Evaluarea impactului asupra mediului, Editura Universitatii „Al.I.Cuza” Iasi, 160 p., ISBN 978-973-703-327-7	32
3. Iuliana G. Breabăn (2017) – <i>Introducere in chimia mediului. Lucrari practice de laborator.</i> Editura Universitatii „Al.I.Cuza” Iasi, 301 p	60.2
4. I. Munteanu, V. Moca, I. Ioniță, I. G. Breabăn, F. Filipov, (2005), <i>Ghidul aplicației de teren “Implementarea noului Sistem Român de Taxonomie a Solurilor in Podișul Moldovei. Studiu de caz - Podișul Bârladului”</i> , ISBN 973-8432-30-8, Editura TERRA NOSTRA	17
Cărți și capitole de cărți Colaborator la:	
1. D. Bulgariu C. Rusu, ” Metode Instrumentale de Analiză în Geoștiințe, Volumul I, Prelevarea Probelor. Sampling”, Casa Editorială <i>Demiurg</i> , Iași, 2005, <i>Paragrafele</i> : I.4; II.2-3; III.5-4; III.7-4	10.8
2. O.G. Iancu, N. Buzgar (editori responsabili) <i>Atlasul Geochimic al Metalelor Grele din Solurile Municipiului Iași si Imprejurimi</i> , Editura Universității „Alexandru Ioan Cuza” Iași, 2008, ISBN 978-973-703-329-	10
Publicații fără ISBN:	
1. Iuliana G. Breabăn (2017)- <i>Introducere in chimia mediului. Elemente teoretice.</i> Editura Universitatii „Al.I.Cuza” Iasi, 302p	30.2
Publicatii realizate in cadrul unor proiecte: <i>Facilitatea de tranzitie 20074/19343.01.11; Consolidarea sprijinului societatii civile in lupta impotriva coruptiei</i>	
2. G. Breabăn, A. Ionce, (2010) – <i>Ghidul intreprinzătorului – legislația de mediu în situri Natura 2000</i> , 59p	6
3. G. Breabăn, A. Ionce, (2010) – <i>Transparența în administrația publică locală</i> , 59p <i>20 FP7-SCIENCE-IN-SOCIETY 2011-1, STAGES GA289051/2011</i>	6
4. D. Balahur, L. Mitoșeriu, L. Bejenariu, I.G. Breabăn, M. Cojocaru, P.Dobrescu, C. Soitu, S. Sulima, R. Asiminei, D. Arhire, C.E. Ciomaga, N. Horchidan, I. Popovici, L. Tarlion, M. Vicovanu, M.P. Munteanu, G. Pascaru, G.Ichim, (2015), <i>Structural transformation to achieve gender equality in science. Guidliens</i> , Eds. M.Cacere, D. Balahur, I. Bleijenbergh, D. Falcinelli, M. Friedrich, E. Schmidt	
Capitol in volume internationale de prestigiu Lacatusu R., Lacatusu A-R., Burtea C., Lungu M., Breaban I.G., <i>The lead behaviour in soil-plant system from polluted and unpolluted areas in Romania</i> , <i>Advances In Geoecology</i> 41, p 519-525, 2008, Catena-Verlag, ISBN 978-3-923381-56-2	2.4
TOTAL	219.6



Activitatea de cercetare (A2)	Articole în extensor în reviste cotate ISI Thomson Reuters			Profesor $40 * \sum Fi \geq 400$ cu $n \geq 11$	n=20 $\sum Fi = 17.903$ = 716,12
	Brevete de invenție	Internațional	$Fi_{echiv.} = 5,0$	Fi – factorul de impact al articolului în momentul publicării (conform JCRs), brevetului; n-numărul de lucrări minim 50% articole ISI	-
		național	$Fi_{echiv.} = 0,5$		-

Nr Crt	Autori	Titlul lucrării	Revista	Anul	Vol (Nr.)	Pag.	Fact or de impa ct	Nr aut ori	Indic ator realiz at
									716,12
1	Lăcătușu R., Lăcătușu Anca-Rovena, Lungu Mihaela, Breabăn Iuliana Gabriela	Macro- And Microelements Abundance In Some Urban Solis From Romania	Carph. Journ. of Earth And Environmental Sciences	2008	3(1)	75-83	0,286	4	11,44
2	Pui Aurel, Perre-Fauvete Martine, Korri-Youssouf Hafsa, Breabăn Iuliana Gabriela	Electrochemical studies of the bis(3-X, a, 5-dimethyl salicylaldehyde) ethylene diamine nickel (II) complexes	Revista de Chimie	2009	60 (8)	763 -766	0,552	4	22,08
3	Marius Sebastian Secula, Igor Cretescu, Benoit Cagnon, Liliana Rozemarie Manea , Corneliu Sergiu Stan, Iuliana Gabriela Breaban	Fractional Factorial Design Study on the Performance of GAC-Enhanced Electrocoagulation Process Involved in Color Removal from Dye Solutions	Materials	2013	6(7)	2723-2746	1,879	6	75,16
4	Tucaliuc, Oana Maria; Cretescu, Igor; Nemtoi, Gheorghe; Breaban, Iuliana Gabriela; Soreanu, Gabriela; Iancu, Ovidiu Gabriel	Monitoring of mercury from air and urban dust in the industrial area of Iasi municipality	Environmental Engineering and Management Journal	2014	13 (8)	2051-2061	1,065	6	42,60
5	Cojocar, Ș., Dumitrescu, A.M., Breabăn, I.G, Domocos, A.-A., Iordan, A.R., Melniciuc-Puică, N., Palamaru, M.N.,	Exploiting the natural potential of romanian kaolin clay. Adsorption capacity improvement through heat treatment	OPTOELECTRONICS AND ADVANCED MATERIALS, RAPID COMMUNICATIONS	2015	9 (11-12)	1530-1534	0,412	7	16,48
6	Cosutchi Andreea Irina, Dimitriu Dan Gheorghe, Zeliński Carmen Beatrice, Breaban Iuliana, Dorhoi Dana Ortansa	Optical activity of transparent polymer layers characterized by spectral means	JOURNAL OF MOLECULAR STRUCTURE	2015	1090	39-43	1,78	5	71,20
7	Dorhoi Dana Ortansa, Dimitriu Dan Gheorghe, Dumitrascu Irina, Zeliński Carmen Beatrice, Breaban Iuliana	Interferential method to determine the optical rotatory dispersion of crystalline layers	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS	2015	77 (3)	253 -260	0,365	5	14,60
8	Doru-Toader Juravle, Viorel Ionesi, Dumitru Bulgariu, Carmen Mariana Chira, Silvia Mare, Iuliana Gabriela Breaban, Ioan Gabriel Sandu, Angelica Juravle	Mineralogical And Geochemical Study Of Silto-Lutitic Petrofacies Of Upper Ypresian/Lower Lutetian Age Paleoenvironmental Significance	Revista de Chimie	2015	66 (12)	2082-2087	0,956	8	38,24
9	Gheorghe Romanescu, Alina Tirnovan, Ion Sandu, Gianina Maria Cojoc, Iuliana Gabriela Breaban, Alin Miha-Pintilie	Water Chemism Within the Settling Pond of Valea Straja and the Quality of the Suha Water Body (Eastern Carpathians)	Revista de Chimie	2015	66 (10)	1700-1706	0,956	6	38,24
10	M. Paiu, O. G. Iancu, I. G. Breaban	Geochemical Distribution of Potentially Toxic Elements from a Rehabilitated Mine Dump and the Influence on Vegetation. Study Case Ostra Mining Area, Romania	JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY	2015	20 (4)	1431-1440	0,734	3	29,36



11	Trifan Adriana, Breaban Iuliana Gabriela, Sava Daciana, Bucur Laura, Toma Claudia-Crina, Miron Anca	<i>Heavy metal content in macroalgae from roumanian Black sea.</i>	REVUE ROUMAINE DE CHIMIE	2015	60 (9)	915-920	0,25	6	10,00
12	Zavastin Daniela Elena, Miron Anca, Gherman Simona Petronela, Boerescu Cristian Marian, Breaban Iuliana Gabriela, Gavrilesu Cristina Maria	<i>Antioxidant activity, total phenolic and metals contents of LACTARIUS SALMONICOLOR (R. HEIM & LECLAIR)</i>	FARMACIA	2015	63 (5)	755-759	1,162	6	46,48
13	Juravle, D.T.; Secu C.V.; Breaban, I.G.; Lesenciuc, D.C.; Kasper H.U.; Bobric E.D.;	PEDO-GEOCHEMICAL DIFFERENCES BETWEEN YOUNG SOILS: REGOSOLS AND SPOLIC TECHNOSOLS IN NORTHERN PART OF EASTERN CARPATHIANS (ROMANIA)	JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY	2016	17 (2)	566-575	0,774	5	30,96
14	A. BANICA, I. G. BREABAN, M. PAIU	From Vulnerability towards Resilience Approach in Water Distribution Network – the Issue of Asbestos Cement Pipes	JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY	2016	17 (3)	885-895	0,774	3	30,96
15	Juravle, D.T.; Chira, C.M.; Mare, S.; Ionesi, V.; Bulgariu, D.; Breaban, IG; Juravle, A	EVENTS IN THE NORTHERN PALEOGENE FORELAND BASIN OF THE EASTERN CARPATHIANS (ROMANIA, BUCOVINA), AT THE YPRESIAN-LUTETIAN TRANSITION	Carpth. Journ. of Earth And Environmental Sciences	2016	11 (1)	131-146	0,880	7	35,20
16	Secu C.V.; Juravle, D.T.; Paiu, M.; Lesenciuc, D.C.; Costica, M.; Negru, D.; Breaban, I.G.	POTENTIALLY TOXIC ELEMENTS IN URBAN SOILS OF IASI (ROMANIA)	Environmental Engineering and Management Journal	2016	15 (3)	687-698	1,096	7	43,84
17	Secu, CV; Breaban, IG; Juravle, DT; Lesenciuc, CD	HUMAN IMPACT ON URBAN SOIL PROPERTIES FROM BAHLUI FOODPLAIN, IASI, ROMANIA	JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY	2016	17 (1)	154-163	0,774	4	30,96
18	Lesenciuc, D.C., Juravle, D.T. Secu, C.V., Nicu I.C., Breaban, I.G	Using Old Landslide-Dammed Lakes To Assess Sediment Delivery Rates In Small Catchments – Case study: Iezer lake from the Romanian Carpathians	Carpth. Journ. Of Earth And Environmental Sciences	2017	12 (2)	499 - 512	0,880	5	35,20
19	Paiu M., Iancu O.G., Breaban, I.G.	Geochemical distribution of minor elements in the top stratum of an abandoned waste mine dump from Giumalău Mountains, Romania	Environmental Engineering and Management Journal	2017	16 (4)	1000-1011	1,096	3	43,84
20	Pelin V., Breaban I.G., Sandu I., Gurlui S.	The atmospheric pollution influence on the surface structures of porous geomaterials in correlation with some natural radionuclides	Revista de Chimie	2017	68 (6)	1431-1438	1,232	4	49,28



Activitatea de cercetare (A2)	Articole în reviste și volumele unor manifestări științifice, indexate în baz28+41 e de date internaționale ISI Proceedings	Profesor minim 16	5 puncte/ lucrare	n = 14 ISI proced. n = 41 BDI n = 19 BDI proced. n=74 370
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	Punctaj
<p>Articole în extenso publicate în proceedings-uri indexate ISI</p> <ol style="list-style-type: none"> BREABAN I.G., Bobric E.D., Rusu E., Secu C.V., (2017), Soil organic matter assesment from neamtu catchment soils through various organic carbon methods, SGEM2017 Conference Proceedings, ISBN 978-619-7408-05-8 / ISSN 1314-2704, Book 17 Issue 2, 507-514 Bobric E.D., BREABAN I.G., Rusu E., (2017), A comparison of soil organic carbon stocks in pastoral cropping and forest soils, SGEM2017 Conference Proceedings, ISBN 978-619-7408-05-8 / ISSN 1314-2704, Book 17 Issue 2, 703-710 Banica, A., Bobric, D. E., BREABAN, I. G. (2016). Issues related to air quality monitoring in North-East Region (Romania) Energy and Clean Technologies Conference Proceedings, Sgem 2016, Vol II (pp. 451-458). Banica, A., BREABAN, I. G., Terry, I. C., Munteanu, A., (2016). Vulnerability and resilience of the urban drinking water system in the city of Bacau, Romania Sgem 2016, Bk 1: Psychology and Psychiatry, Sociology and Healthcare, Education Conference Proceedings, Vol II (pp. 1209-1217). BREABAN, I. G., Paiu, M. (2016). Ecological risk assessment of heavy metals from road dust in Iasi, Romania Water Resources, Forest, Marine and Ocean Ecosystems Conference Proceedings, Sgem 2016, Vol II (pp. 79-86). BREABAN, I. G., Paiu, M., Juravle, D. T. (2016). LA-ICP-MS analysis of rare earth elements from northern part of the moldavici basin of the Eastern Carpathians (Romania) 16th International Multidisciplinary Scientific Geoconference, Sgem 2016: Science and Technologies in Geology, Exploration and Mining, Vol I (pp. 297-304). Paiu, M., BREABAN, I. G. (2016). Distribution of nitrate concentration in groundwater in some rural settlements from eastern Romania Water, Resources, Forest, Marine and Ocean Ecosystems Conference Proceedings, Vol I (pp. 235-241). Paiu, M., Iancu, O. G., BREABAN, I. G. (2016). Risk assessment associated with a sulphide-bearing waste-rock dump from NE Romania Water Resources, Forest, Marine and Ocean Ecosystems Conference Proceedings, SGEM 2016, Vol II (pp. 303-310). Paiu, M., BREABAN, I. G., Iancu, O. G. (2015). Assessment of trace elements in woodland strawberry (<i>Fragaria Vesca</i> L.) grown on a barite waste mining dump in Suceava county, Romania Ecology, Economics, Education and Legislation, Vol II (pp. 81-88). Verestiuc, P. C., BREABAN, I. G., Tucaliuc, O. M., Nemtoi, G., Cretescu, I. (2015). Assessment of mercury level in leaves and soils in urban landscape of Iasi Water Resources, Forest, Marine and Ocean Ecosystems, SGEM 2015, Vol II (pp. 57-64). BREABAN, I. G., Paiu, M., Mihu-Pintilie, A., Cretescu, I. (2014). Using multivariate statistical methods to assess drinking water quality from urban water supply in Iasi city, Romania Geoconference on Water Resources, Forest, Marine and Ocean Ecosystems, Vol I (pp. 815-822). Mihu-Pintilie, A., Paiu, M., BREABAN, I. G., Romanescu, G. (2014). Status of water quality in Cuedji hydrographic basin from Eastern Carpathian, Romania Geoconference on Water Resources, Forest, Marine and Ocean Ecosystems, Vol I (pp. 639-646). Dorohoi, D. O., Dimitriu, D. G., Cosutchi, I., BREABAN, I. G., (2014). A New Method for Determining the Optical Rotatory Dispersion of Transparent Crystalline Layers. In M. Costa & R. N. Nogueira (Eds.), Second International Conference on Applications of Optics and Photonics (Vol. 9286). BREABAN, I. G., Paiu, M., Cojocaru, P., Cretescu, I. (2013). Studies upon the groundwater quality index of the aquifer from Barlad middle basin Geoconference on Water Resources, Forest, Marine and Ocean Ecosystems (pp. 317-324). 	70
<p>Articole științifice în reviste internaționale indexate BDI</p> <ol style="list-style-type: none"> A.M. Moisiu, Gh. Romanescu, Breabăn I.G., State of water quality for Rebricea river by principal component analysis, <i>Conference Proceedings Water Resources And Wetlands</i> ISBN: 978-606-605-038-8 Editors: Petre Găstescu, William Lewis, Jr., Petre Brețcan, 2016 Mihu-Pintilie A., Romanescu G., Stoleriu C. C., Breabăn I.G. (2015), <i>Physico-Chemical Parameters in Mountain Freshwater: Cuedji River from Eastern Carpathians, Romania, Key Engineering Materials</i>, 660, 257, 261 Verestiuc PC, Cretescu I, Tucaliuc OM, Breabăn I.G., Gh. Nemtoi, (2014), <i>Voltammetric studies on mercury behavior in different aqueous solutions for further development of a warning system designed for environmental monitoring</i>, Journal of Electrochemical Science and Engineering, vol V, nr.4, pg 177-186, http://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=192369 Verestiuc PC, Tucaliuc OM, Breabăn I.G., Crețescu I., Nemțoi Gh., (2015), <i>Differential pulse anodic stripping voltammetry for mercury determination</i>, Acta Chemica Iasi 23 (1), 13-24 Nemtoi G., Cretescu I, Breabăn I.G., Verestiuc PC, Tucaliuc OM, (2014), Voltammetric characterization of Hg2+ ion behaviour in acid media on different electrodes, <i>Acta Chemica Iasi</i>, vol. 22, nr.2, pp. 135-144, http://www.degruyter.com/view/j/achi.2014.22.issue-2/achi-2014-0011/achi-2014-0011.xml Ancoiaie C., Erhan M.G., Costin Ghețeu D., Breabăn I.G. (2013), "Algoflora from the Miletin and Jijia inferior catchments i. <i>Phylum Bacillariophyta</i> and <i>Phylum Cyanobacteria</i>, <i>Analele Științifice ale Universității „Al. I. Cuza” Iași</i> s. II a. Biologie vegetală, 2013, 59, 2: 25-35 http://www.bio.uaic.ro/publicatii/anale_vegetala/anale_veg_index.html Paiu M., Breabăn I.G., (2014), "Water quality index – an instrument for water resources management." <i>Aerul și Apa Componente Ale Mediului</i>, 391–98. http://aerapa.conference.ubbcluj.ro/2014/PDF/52-Paiu_Breabnan.pdf Cojocaru S., Breabăn I.G., (2014), "Testing the performance of different spatial interpolation techniques on mapping short datasets of precipitation properties.", <i>Aerul și Apa Componente ale Mediului</i>, 399-406. http://aerapa.conference.ubbcluj.ro/2014/PDF/53-Cojocaru%20Stefana.pdf Breabăn I.G., Bănică A., Sandu A., (2013), Using environmental performance index to assess regional resilience in Romania, 275-281, <i>International Science Conference "Reporting for Sustainability"</i> organized by Regional Environmental Center for Central and Eastern Europe with funds provided by the Ministry of Foreign Affairs of Norway through Serbian Environmental Protection Agency, http://www.sciconfemc.rs/PAPERS/USING%20ENVIRONMENTAL%20PERFORMANCE%20INDEX%20TO%20ASSESS%20REGIONAL%20RESILIENCE%20IN%20ROMANIA.pdf http://bio.ukma.edu.ua/index.php/uk/podij/27-5th-emc-project-conference-reporting-for-sustainability-07th-10th-of-may-be-i-i-montenegro Breabăn I. G., Paiu M. (2012), Application of DRASTIC model and GIS for evaluation of aquifer vulnerability: Study case Barlad City area, <i>Conference Proceedings Water Resources And Wetlands</i> ISBN: 978-606-605-038-8 Editors: Petre Găstescu, William Lewis, Jr., Petre Brețcan, p 588-593 http://www.limnology.ro/water2012/1/Contents%20Water%202012.pdf Oiște A. M. Breabăn I.G., (2012), Organic and inorganic contaminants in the Bahlui river in the built-up area of Iasi city, <i>Conference Proceedings Water Resources And Wetlands</i> ISBN: 978-606-605-038-8 Editors: Petre Găstescu, William Lewis, Jr., Petre Brețcan, p 594-599, http://www.limnology.ro/water2012/1/Contents%20Water%202012.pdf Cretescu I., Breabăn I. G., Benchea R. E., Oiste A.M., (2012), A recent data base for water quality indicators of bahlui river in the Iasi municipality area, <i>Proceeding of "Sustainable Landscape Planning and Safe Environment"</i>, 21 - 24 June 2012, Istanbul, Turkey, pag 410-420 	205



<ol style="list-style-type: none"> 14. Oişte A. M. Brebăn I.G., (2012), Analysis of relief Iasi city and urban environment quality, using GIS techniques, <i>Seria Agronomie</i>, Volumul Nr. 55, ISSN 1454-7414 15. Oişte A. M. Brebăn I.G., (2012), Physicochemical Assessment of Water Quality in Nicolina River, <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca</i>. Agriculture Volume: 69 Issue: 2 Pages: 160-167 16. Brebăn I.G., Gheteu D., Paiu M., (2012), Determination of Water Quality Index of Jijia and Miletin ponds, <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca</i>. Agriculture Volume: 69 Issue: 2 P 90-97 17. Oişte A. M. Brebăn I.G., (2012), Water quality index for Rediu, Căcaina and Cîrc river in urban area of Iasi city, <i>Present Environment & Sustainable Development</i>, Volume 6, no.2/ 2012, p. 429-437 ISSN 1843-5971 18. Brebăn I.G., Paiu M., (2012), The Impact of anthropogenic nutrients on groundwater nitrate concentration in the Bârlad area, <i>Analele Universităţii Din Oradea, Fascicula: Ecotoxicologie -Zootehnie si Tehnologii de Industrie Alimentară</i>, secțiunea Environmental engineering, Vol XI/B, Anul 11, Ed. Universităţii din Oradea, p. 9-14, 2012, I.S.S.N. 1224-6255 19. Najib S., Grozavu A., Mehdi K., Brebăn I.G., Guessir H., Boutayeb K., (2012), Application of the Method GALDIT for the cartography of groundwaters vulnerability: aquifer of Chaouia Coast (Morocco), <i>Scientific Annals of "Alexandru Ioan Cuza" University of Iasi - Geography series</i>, Vol 58, No 2, p 77-88 20. Oişte A. M. Brebăn I.G., (2011), Le developement de l'espace périphérique situe au nord de la ville d'assy et son impact sur l'environnement, <i>Amenagement periurbain, processus, enjeux, risque et perspectives</i>, p 129-140 21. Oişte A. M. Brebăn I.G., (2011), <i>Les applications des GIS pour l'evaluation de l'etat des batiments situes au nord de la ville d'assy dans le contexte du developement durable</i>, Proceedings of the 25th International Cartographic Conference, Paris 22. Oişte A. M. Brebăn I.G., (2011), Nitrate Trends during the Seasons on Bahlu River and its Tributaries in Build-Up Area of Iasi City, <i>Bulletin UASVM Agriculture</i>, 68(2)/2011, p. 116-123, ISSN 1843-5246 23. Stoican A.E., Rusu S. V., Ceucă C., Roşu L.I., Brebăn I.G., Present and prospects for the rural development of villages from Obcina Mestecanis Region, <i>Lucrări Ştiinţifice – seria Agronomie</i> vol. 54/2011, 141-146, 24. Oişte A. M. Brebăn I.G., (2011), <i>Considerations on the implications of the pollution phenomenon in the Sanogenesis state of the urban ecosystem in Sărărie-Țicău districts (Iași city)</i>, <i>Present Environment & Sustainable Development</i>, Volume 5, no.2/ 2011, p. 229-240 ISSN 1843-5971 25. Costică N., Olariu R. 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<p>Articole științifice publicate în volumele unor manifestări științifice și în reviste cu alte cotații</p> <ol style="list-style-type: none"> 1. R. Lăcătușu, Lazăr R., Brebăn I.G., Stroe V., <i>Mobilitatea fosforului și a potasiului în soluri urbane protonate</i>, Factori și Procese Pedogenetice din Zona Temperată 7 S. nouă (2008) p 59-64 2. Moca V., Bucur D., Brebăn I.G., Curalet A., Rotaru – Buzdugan C., <i>Evaluarea comportării în exploatare a lucrărilor hidroameliorative de desecare și drenaj subteran sub aspectul utilizării resurselor de soluri din depresiunea Baia – Moldova</i>, Factori și Procese Pedogenetice din Zona Temperată 7 S. nouă (2008) 65- 74 3. V. Moca, Brebăn I.G., D. Bucur, A. Curalet, 2007, <i>The distribution of soil chemical properties under the effect of land reclamation works, from Baia drainage system</i>, Factori și Procese Pedogenetice din Zona Temperata, vol 6 S.N, p. 49-58 4. Tanase C., Pui A., Brebăn I.G., Cojocariu A., Chinan V., Birsan C., Cenusa E., 2007, <i>Fungi cu rol in remedierea solurilor degradate de activitățile miniere din Parcul National Calimani</i>, Realizari in cercetarea stiintifica din biotehnologie obtinute prin programul CEEX – Modulul 1, BIOTECH, Iasi, 30 mai–1 Iunie 2007, Ed. Cermi (978-973-667-251-4), Iasi: 11 5. Statescu F, C. Chiriac, Comisu O., Brebăn I.G., <i>Derivation of Default Soil, Mixture Parameters for Use in the Soil Contamination Modeling</i>, Bulletin of the Polytechnic Institute of Jassy, Hidrotehnica Section, Tome LII (LVI), Fasc. 1-4 2006 6. Bulgariu, C. Rusu, O.G. Iancu, Brebăn I.G., L. Bulgariu, 2006, <i>Contributions to the study of clay minerals separation from soils by plane electrophoresis</i>, Factori și Procese Pedogenetice din Zona Temperata vol 5 serie noua, p.51-64 7. Gabi-Mirela Matei, S. Matei, Brebăn I.G., R. Lacatusu, 2006, <i>Microbial characteristics of urban soils from Iassy municipium</i>, Factori și Procese Pedogenetice din Zona Temperata, vol 5 serie noua , p 65-74 8. V. Moca, Brebăn I.G., D. Bucur, O. Radu, 2006, <i>The estimation of some changes of soil physical state under the effect of land reclamation technologies, in the condition of subsurface drainage in Baia-Moldova Depression</i>, Factori și Procese Pedogenetice din Zona Temperata, vol 5 SN, p. 31-44 9. R. Lăcătușu, Lungu M., Kovacovics B., Brebăn I.G., Rusu C., Rășnoveanu I., 2005, Heavy metals in urban soils of Iassy Municipium", lucrările simpozionului „Monitorizarea dezastrului și a poluării” Universitatea Tehnică „Gh. Asachi” Iași 10. Rusu, E. Rusu, Brebăn I.G., D. Fiscutean, 2004, <i>Solurile din Munții Giurgeului</i>, Lucrările seminarului geografic, Dimitrie Cantemir, nr 23/24, p 65-76 11. Bulgariu D., Dragomir L., Brebăn I.G., 2004, <i>Study on geochemical mobility of trace elements in supergene conditions, by means of experimental modeling of mineral / solution interaction</i>, Factori și procese pedogenetice din zona temperată” vol 2, serie nouă, p. 200-208 	95



<p>12. V. Moca, D. Bucur, Breabăn I.G., O. Radu, Cr. Huțanu, A. Curalet, 2004, <i>Realizarea bazei de date a lucrărilor de evaluare a terenurilor agricole pe unitățile teritoriale de bază ale cadastrului tehnic și calitativ</i>, Factori și procese pedogenetice din zona temperată" vol 3, serie nouă, p. 55-66</p> <p>13. L. Birescu, Gh. Lupașcu, Birescu G., Lupașcu A., Breabăn I.G., Cr. Secu, E. Teodorescu, 2004, <i>Cercetări ecopedologice în ecosisteme practice antropizate de luncă și terasă din culoarul Siretului</i> Factori și procese pedogenetice din zona temperată" vol 3, serie nouă, p. 95-104</p> <p>14. Birescu G., L. Birescu, Gh. Lupașcu, Lupașcu A., Breabăn I.G., Cr. Secu, E. Teodorescu, 2004, <i>Studiul factorilor abiotici determinanți pentru dezvoltarea resurselor biologice vegetale din ecosisteme forestiere</i>, Factori și procese pedogenetice din zona temperată" vol 3, serie nouă, p. 163-170</p> <p>15. Bulgariu D., Breabăn I.G., L. Dragomir, 2004, <i>Contribuții la studiul distribuției metalelor grele (Cd, Pb) dintr-un cernoziom cambic din perimetrul Hudești județul Botoșani</i>, Factori și procese pedogenetice din zona temperată" vol 3, serie nouă, p. 199-218</p> <p>16. Birescu G., L. Birescu, Breabăn I.G., Stan O.C., 2006, <i>Ecological and enzymathical study upon soil resources from forest ecosystems in middle Prut river cours</i>, Factori și Procese Pedogenetice din Zona Temperata</p> <p>17. Breabăn I.G., Stan O.C., 2006, <i>The influence of the anthropogenic activities on the Bahlui water quality, Holboca Section (Iassy county)</i>, Lucrarile Seminarul Geografic „Dimitrie Cantemir”</p> <p>18. Breabăn I.G., Stan O.C.(Ștefan), 2004, <i>Aspecte privind calitatea apelor de suprafață din sectorul Bârlad – Crivești</i>, lucrările simpozionului „Monitorizarea dezastrelor și a poluării” Universitatea Tehnică „Gh. Asachi” Iași</p> <p>19. Secu Cr., Breabăn I.G., Juravle D., 2002 <i>Aspects concernant la temperature de la surface du sol dans le bassin de Baseu</i>, Factori și procese pedogenetice din zona temperată", vol 1, serie noua, p. 177-183, ISSN 1582-4616</p>	
TOTAL	370



Activitatea de cercetare (A2)	Granturi/Proiecte castigate prin competiție	Director/responsabil: Profesor minim 2 (granturi/proiecte/contracte)	internaționale	15 pct/5000 € 10pct/5000 €	15,62
			naționale		72,61
			(Sume din granturi de cercetare / proiecte de cercetare / contracte de cercetare), câștigate prin competiție națională sau internațională, fiecare cu valori mai mari de 5000€ la data contractării, ca director ori responsabil de proiect sau ca director de contracte cu operatorii economici)		88,23

	Punctaj
Director în proiecte internaționale: 2009, "Determination of Elements in Natural matrix (Water, Biota, and Soil Samples) using the ICP-MS technique", financed by THREB, 6942USD= 5207 €	15.62
Director/coordonator în proiecte naționale: 2006, 2007, 2008 responsabil științific al colectivului de la Departamentul de Geografie în cadrul proiectului CEEX nr. 2113 Reconstrucția ecologică prin procedee de micoremediere a solurilor degradate de activitățile miniere – subprogram BIOTECH, director de proiect conf.dr. Tanase Catalin (valoarea totală 1500000ron, din care 120000 pentru geografie = 33803 €) 2000/ 2001 Cercetări asupra remedierii solurilor și a apelor subterane poluate cu produse petroliere în zona fișului din Carpații Orientali, grant CNCSIS, tema 15, cod 50/2000, 69/2001 (val. totală: 5100 ron = 2550 €)	67.61
Fonduri europene: POS CCE 2010-2014 Centru Integrat de Studii în Știința Mediului pentru Regiunea de Dezvoltare Nord-Est, program IMPACT, Fonduri europene, membru în echipa de management http://cernesim.uaic.ro/index.php/en/ ; http://www.uaic.ro/uaic/bin/view/Research/CERNESIM	5.1
Membru în proiecte internaționale 2011-2015 20 FP7-SCIENCE-IN-SOCIETY 2011-1, STAGES, Structural Transformation to Achieve Gender Equality in Science (SiS.2011.2.1.1.-1) UAIC Project Coordinator Prof. univ. dr. Doina BALAHUR 2007- participare în echipa PASDEL - Practising Sustainable Development through E-Learning- Leonardo da Vinci proiect 2006, participare în echipa de scriere a propunerii IMPLEMENTATION OF NATURA 2000 NETWORK, EuropeAid/121260/D/SV/RO, Technical Offer, în cadrul consorțiului Agriconsulting SpA, Taller de Ingineria Ambiental S.L. - Oikon Ltd. - Al.I. Cuza, University of Iasi	
Membru în proiecte naționale de tip CEEX 2007-2010 Exploatarea durabilă a resurselor de sol din spații protejate prin implementarea tehnologiilor ecologice și dezvoltarea unor metode de monitorizare și analiză compatibile cu standardele uniunii europene." PN II, PROIECTE COMPLEXE – PC, Direcția de cercetare: 5.1., Contract de finanțare nr. 51- 045/2007, Valoarea contractului (sursa numai buget de stat): 1.959.000lei, Durata contractului: 2007 – 2010, director conf.dr. Filipov Feodor, Membru în echipă 2006-2008 2006,2007 proiect CEEX nr 685, Atlasul geochimic al metalelor grele din solurile municipiului Iasi și împrejurimi, subprogram MENER director prof. dr. Ovidiu Iancu (valoarea totală 1470000 ron), Membru în echipă 2006, Impactul riscurilor hidro-climatice și pedo-geomorfologice asupra mediului în bazinul Bârladului Programul cercetare de excelență (CEEX)	
Membru în echipă 2007, 2008 - Evaluarea și corectarea fertilității și vulnerabilității solurilor urbane în condițiile dezvoltării durabile în vederea obținerii unor recolte de calitate superioară, grant CNCSIS, 2007, cod 1344, director Prof.dr. Radu Lăcătușu 2006, Micoremedierea unor soluri poluate din zone considerate critice din punct de vedere ecologic (MICOREM), grant CNCSIS, cod 1174, director conf.dr. Catalin Tanase	



<p>2005, 2006 Patrimoniul pedologic al Carpaților Orientali și evoluția acestuia prin exploatare silvo – pastorală, grant CNCSIS, 27693/2005 cod 1471, 500 mil ROL anual, director prof. dr. Constantin Rusu</p> <p>2004, 2005, 2006 Starea actuală și evoluția zonelor umede din estul României (Moldova) în contextul schimbărilor climatice globale, 33373/29.06.2004, cod 644, director: Prof.dr. Gheorghe Romanescu</p> <p>2004, 2005, 2006 Cercetări privind solurile urbane din municipiile Iași și București în contextul dezvoltării durabile, grant CNCSIS, 33373/29.06.2004, cod 640, director Prof.dr. Radu Lăcătușu</p> <p>2003, 2004 Cercetări privind stabilirea gradului de contaminare cu metale grele a solurilor din grupa nordică a Carpaților Orientali și cai de remediere a acestora», director prof. dr. Constantin Rusu, grant CNCSIS</p> <p>2003 „Cercetări privind continuitățile și discontinuitățile spatio-temporale în ariile de contact a regiunilor montane, subcarpatice, de podis, piemontane și de câmpie, dintre văile Moldova și Putna », director, Conf.dr. Gheorghe Romanescu, grant CNCSIS</p> <p>2002 „Cercetări privind stabilirea gradului de contaminare cu metale grele a solurilor din grupa nordică a Carpaților Orientali și cai de remediere a acestora», director lect.dr. Carmen Donisă, grant CNCSIS</p> <p>2001, 2002 „Cercetări privind continuitățile și discontinuitățile spatio-temporale în ariile de contact a regiunilor montane, subcarpatice, de podis, piemontane și de câmpie, dintre văile Moldova și Putna » director prof.dr. Gh. Lupașcu, grant CNCSIS</p> <p>2000, 2001, 2002 « Revigorarea funcției practice aplicative a învățământului geografic universitar din România”, grant BM, 29, CNFIS , director prof.dr. Constantin Rusu</p> <p>2000, 2001, 2002 “Pregătirea în România prin studii de master a specialiștilor în știința solului”, grant BM, 202, tip D, director prof.dr. Lupașcu Gh.</p> <p>1999, 2000, 2001, 2002 – « Modernizarea învățământului geografic prin doctorat și studii aprofundate în partea de est a României » grant BM, 44098, CNCSIS , director prof.dr. I.Bojoi/I.Ioniță/Irina Ungureanu</p> <p>1999 “Interconexiunea dintre factorii fizico-geografici și activitățile umane din bazinul Bașeului (jud. Botoșani) – cu privire specială asupra degradării învelișului de sol” – Grant AR-ANSTI – 1999 – director: C.S. drd. Secu Cristian</p> <p>1999 “Cercetări asupra proceselor pedogenetice și evoluției solurilor pe teritoriul României, în condiții naturale și modificate de umiditate”, Grant AR-ANSTI/1999, 2000, 2001 – director : prof dr. Lupașcu Gh.</p> <p>1998, 1999, 2000 “Structura, tipologia și dinamica peisajului geografic din grupa nordică a Carpaților Orientali – Grant M.E.N. director : prof dr. Lupașcu Gh.</p> <p>1998 “Cercetări privind influența factorilor de mediu asupra raportului de acumulare materie organică / materie anorganică în zonele cu exces de umiditate situate în partea de est a României – Cercetări în Depresiunea Dornelor, Turbăria Dresca, Delta Dunării” – Grant MCT 4060/1998 -director :prof dr. Lupașcu Gh</p> <p>1997 “Cercetări privind influența factorilor de mediu asupra raportului de acumulare materie organică / materie anorganică în zonele cu exces de umiditate situate în partea de est a României – Depresiunea Dornelor, Delta Dunării” - Grant MCT 3020/ 1997 - director :prof dr. Lupașcu Gh</p>	
TOTAL	88.23



Recunoașterea impactului activității (A3)	Citări în reviste ISI Thomson Reuters și BDI (se exclud autocitățile)	Profesor: minim 30 citări	3 puncte/citare	116 citări = 348
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Nr. crt	LUCRAREA CITATĂ	LUCRAREA UNDE ESTE CITATA
CITĂRI IN REVISTE COTATE ISI		
1.	Tucaliuc Oana Maria; Cretescu Igor; Nemtoi Gheorghe; Breaban Iuliana Gabriela ; Soreanu Gabriela; Iancu Ovidiu Gabriel, <i>Monitoring of mercury from air and urban dust in the industrial area of Iasi municipality, Environmental Engineering And Management Journal, Volume: 13, Issue: 8, Pages: 2051-2061</i> http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no8/Full/25_206_Tucaliuc_14.pdf	Baltrenas, P., Pranskevicius, M., & Chlebnikovas, A. (2014). RESEARCH ON PARAMETERS CHANGES OF THE TWO-LEVEL MULTICHANNEL CYCLONE. <i>Environmental Engineering and Management Journal</i> , 13(9), 2135-2144.
2.		Dunea, D., & Iordache, S. (2015). TIME SERIES ANALYSIS OF AIR POLLUTANTS RECORDED FROM ROMANIAN EMEP STATIONS AT MOUNTAIN SITES. <i>Environmental Engineering and Management Journal</i> , 14(11), 2725-2735.
3.		Roba, C., Stefanie, H., Torok, Z., Kovacs, M., Rosu, C., & Ozunu, A. (2014). DETERMINATION OF VOLATILE ORGANIC COMPOUNDS AND PARTICULATE MATTER LEVELS IN AN URBAN AREA FROM ROMANIA. <i>Environmental Engineering and Management Journal</i> , 13(9), 2261-2268.
4.		Simion, A. I., Ionita, I., Grigoras, C. G., Favier-Teodorescu, L. G., & Gavrilă, L. (2015). DEVELOPMENT AND OPTIMIZATION OF WATER BASED PAINT FORMULA IN ORDER TO REDUCE VOCs EMISSIONS. <i>Environmental Engineering and Management Journal</i> , 14(2), 277-288.
5.		Simsek, S., & Ulusoy, H. I. (2016). EFFECTIVE MERCURY REMOVAL USING A NEW DEVELOPED POLYMER CONTAINING 2-(2' THIAZOLYLAZO) P-CRESOL. <i>Environmental Engineering and Management Journal</i> , 15(11), 2347-2356.
6.		Stefanache, A., Dughila, A., Iancu, O. G., Cretescu, I., & Stan, C. D. (2015). HYDROGEOLOGICAL STUDY OF NATURAL SULPHUROUS COMPONENTS FROM THE NICOLINA AREA OF IASI MUNICIPALITY USED IN THERAPEUTIC PROCEDURES. <i>Journal of Environmental Protection and Ecology</i> , 16(4), 1543-1552.
7.	Secula Marius Sebastian; Cretescu Igor; Cagnon Benoit; Manea Liliana Rozemarie, Stan Corneliu Sergiu, Breaban, IG, <i>Fractional Factorial Design Study on the Performance of GAC-Enhanced Electrocoagulation Process Involved in Color Removal from Dye Solutions</i> , MATERIALS Volume: 6 Issue: 7 Pages: 2723-2746 Published: JUL 2013	Aouni, A., Lafi, R., & Hafiane, A. (2017). Feasibility evaluation of combined electrocoagulation/adsorption process by optimizing operating parameters removal for textile wastewater treatment. <i>Desalination and Water Treatment</i> , 60, 78-87. doi: 10.5004/dwt.2017.10890
8.		Cretescu, I., Lupascu, T., Buciscanu, I., Balau-Mindru, T., & Soreanu, G. (2017). Low-cost sorbents for the removal of acid dyes from aqueous solutions. <i>Process Safety and Environmental Protection</i> , 108, 57-66. doi: 10.1016/j.psep.2016.05.016
9.		Wang, X. S., Ni, J. H., Pang, S., & Li, Y. (2017). Removal of malachite green from aqueous solutions by electrocoagulation/peanut shell adsorption coupling in a batch system. <i>Water Science and Technology</i> , 75(8), 1830-1838. doi: 10.2166/wst.2017.051
10.		de Carvalho, H. P., Huang, J. G., Zhao, M. X., Liu, G., Yang, X. Y., Dong, L. L., & Liu, X. J. (2016). Parametric and energy consumption optimization of Basic Red 2 removal by electrocoagulation/egg shell adsorption coupling using response surface methodology in a batch system. <i>Water Science and Technology</i> , 73(11), 2572-2582. doi: 10.2166/wst.2015.627
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