

Universitatea Politehnica Timisoara

Departamentul CCTFC

Comisia INGINERIE GEOLOGICĂ, INGINERIE GEODEZICĂ, MINE, PETROL ȘI GAZE

Candidat Ș.l.dr.ing.ec. VÎLCEANU CLARA - BEATRICE

Post Șef lucrări

Centralizator Standarde minimale necesare și obligatorii pentru obținerea abilitării, Ordinul nr.6129/2016

Comisia: Inginerie Geologică, Inginerie Geodezică, Mine, Petrol și Gaze

Activitatea didacica si profesionala (A1)	Activitatea de cercetare (A2)	Recunoasterea si impactul activitatii (A3)
309.83 (≥120)	581.55 (≥260)	131.33 (≥70)
TOTAL: 1022.72 (≥450)		

Director Departament CCTFC
Prof. Dr. Ing. Florin BELC

Candidat
Ș.l.dr.ing.ec. Clara - Beatrice VÎLCEANU

Ș.I.dr.ing.ec. VÎLCEANU CLARA - BEATRICE

Centralizator Standarde minimale necesare și obligatorii pentru confererirea titlurilor didactice din învățământul superior/ obținerea abilitării Ordin 6129/2016

1. Structura activității candidatului							Activitate candidat		
Nr. crt.	Domeniul activităților	Tipul activitatilor	Categorie si restrictii	Subcategoriile		Indicatori (kpi)	Criterii minime necesare (Profesor)	Numar realizat	Suma indicatori realizati
0	1	2	3	4		5	6	7	8
1	Activitatea didactica si profesionala (A1)	1.1 Carti si capitole in carti de specialitate	1.1.1 Carti /capitole ca autor; pentru Profesor/CS I minimum 4, din care 1 prim autor; Conferențiar/CS II minimum 2	1.1.1.1	internationale	nr. pagini/nr. autori		0	0.00
				1.1.1.2	nationale	nr. pagini/(2*nr. autori)		4	215.50
			1.1.2 Carti/capitole de carti ca editor / coordonator	1.1.2.1	internationale	nr. pagini/(3*nr. autori)		0	0.00
				1.1.2.2	nationale	nr. pagini/(3*nr. autori)		0	0.00
		1.2 Suport didactic	1.2.1 Manuale, suport de curs; pt Profesor minimum 2 din care 1 prim autor; pt Conferențiar: minimum 1			nr. pagini/(6*nr. autori)		1	35.00
			1.2.2 Indrumatoare de laborator/aplicatii; pentru Conferențiar minim 1 din care 1 prim autor			nr. pagini/(6*nr. autori)		2	14.33
		1.3 Coordonare programe de studii, organizare si coordonare programe de formare continua si proiecte educationale (POS, Socrates, Leonardo)	Punctaj unic pe fiecare activitate			15		3	45.00
Total Activitatea didactica si profesionala (A1)							Σ kpi ≥ 120		309.83
2	Activitatea de cercetare (A2)	2.1 Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings	Minimum 10 articole pentru Profesor/CS I			(25+20 * factor impact) /		26	225.88
			Minimum 6 articole pentru Conferențiar/CS II			(25+20 * factor impact) /			
		2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale	Minimum 20 articole pentru Profesor; 25 pentru CS I			25 / nr.de autori		21	144.67
			Minimum 10 articole pentru Conferențiar/CS II			20 / nr.de autori			
		2.3 Proprietate intelectuala, brevete de inventie		2.3.1 Internationale		35 / nr. de autori		0	0.00
				2.3.2 Nationale		25 / nr. de autori		0	0.00
		2.4 Granturi / proiecte castigate prin competitie	2.4.1 Director/ responsabil minim 2 pentru Profesor	2.4.1.1	internationale	30 * ani de desfasurare		1	30.00
2.4.1.2	nationale			15 * ani de desfasurare	5	75.00			

Ac		2.4.2 Membru in echipa	2.4.2.1	internationale	10 * ani de desfasurare	2	30.00	
			2.4.2.2	nationale	5 * ani de desfasurare	4	50.00	
	2.5 Proiecte de cercetare/consultanta (valoarea de min 5000eur echivalent)	2.5.1 Responsabil			8 * ani de desfasurare	1	8.00	
		2.5.2 Membru in echipa			6 * ani de desfasurare	3	18.00	
	Total Activitatea de cercetare (A2)						Σ kpi ≥ 260	581.55
3	Recunoasterea si impactul activitatii (A3)	3.1 Citari in reviste ISI si BDI si in volumele conferintelor ISI si BDI	3.1.1	ISI	8 / nr aut art.citat	26	41.33	
			3.1.2	BDI	4 / nr aut art.citat	12	14.00	
		3.2 Presentari invitate in plenul unor manifestari stiintifice nationale si internationale si Profesor invitat (exclusiv ERASMUS)	Punctaj unic pentru fiecare activitate	3.2.1	internationale	10	0	10.00
			3.2.2	nationale	5	0	0.00	
		3.3 Membru in colectivele de redactie sau comitete stiintifice ale revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice. Recenzor pentru reviste si manifestari stiintifice nationale si internationale	Punctaj unic pentru fiecare activitate	3.3.1	ISI	10	4	40.00
			3.3.2	BDI	6	1	6.00	
			3.3.3	Nationale si internationale neindexate	3	0	0.00	
		3.4 Experienta de management		3.4.1	Conducere (rector, prorector, cancelar, decan, prodecan, dir. Dept, director scoala doctorala, director, director adj., sef sectie)	5*nr.ani	1	10.00
			3.4.2	Membru organisme conducere (senat, consiliu facultate, consiliu departament, cond administratie, consiliu stiintific)	2*nr.ani	0	0.00	
		3.5 Premii		3.5.1	Academia Romana	30	0	0.00
			3.5.2	ASAS, AOSR, Academii de ramura si CNCISIS	15	0	0.00	
			3.5.3	Premii internationale	10	0	0.00	
			3.5.4	Premii nationale in domeniu	5	0	0.00	
		3.6 Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenenta la organizatii din domeniul educatiei nationale si cercetarii	3.6.1 Academia Romana			100	0	0.00
			3.6.2 ASAS, AOSR, si academii de ramura			40	0	0.00
			3.6.3 Conducere asociatii profesionale	3.6.3.1	internationale	30	0	0.00
				3.6.3.2	nationale	10	0	0.00
	3.6.4 Asociatii profesionale	3.6.4.1	internationale	10	0	0.00		

			3.6.4.2	nationale	5		2	10.00
			3.6.5 Consilii si organizatii in domeniul educatiei si cercetarii	3.6.5.1	Conducere	15	0	0.00
				3.6.5.2	Membru	10	0	0.00
		3.7 Conducere de doctorat	3.7.1	Conducător științific - teze susținute	1 p / teză		0	0.00
			3.7.2	Conducător științific - doctorand in stagiu	0,3 p / doctorand		0	0.00
			3.7.3	Referent oficial în comisii de susținere a tezelor din România	0,1 p / comisie		0	0.00
			3.7.4	Referent oficial în comisii de susținere a tezelor din străinătate	0,3 p / comisie		0	0.00
Total Recunoasterea si impactul activitatii (A3)							Σ kpi ≥ 70	131.33
Indicatorul de merit (A = A1+A2+A3)						Σ k1i + Σ k2i + Σ k3i	≥ 450	1022.72

Director Departament CCTFC
Prof. Dr. Ing. Florin BELC

Candidat
Ș.I.dr.ing.ec. Clara - Beatrice VÎLCEANU

1.1 Carti si capitole în carti de specialitate

1.1.1.1 Internationale

Nr. Crt	Autori	Titlul cartii	Editura	Anul	ISBN și / sau ISSN	Nr pagini	Nr autori	Indicator realizat

Departamentul CCTFC

Comisia: INGINERIE GEOLOGICĂ, INGINERIE GEODEZICĂ, MINE, PETROL ȘI GAZE

1.1 Carti si capitole în carti de specialitate

1.1.1 Carti /capitole ca autor; pentru conferentiar minim 2

1.1.1.2 Nationale

Nr. Crt	Autori	Titlul cartii	Editura	ISBN și / sau	Anul	Nr pagini	Nr autori	Indicator realizat
								215.50
1	Cosmin Mușat, Gheorghe Belea, Dan Pinte, Carmen Grecea, Beatrice Vilceanu , Roberta Gridan	Măsurători terestre - concepte, vol.I, secțiunea Desen Topografic	Politehnica Timisoara	978-606-554-426-0;978-606-554-42	2012	73	2	18.25
2	Clara - Beatrice Vilceanu	Utilizarea tehnologiilor geodezice moderne pentru monitorizarea, prelucrarea și analiza unor alunecări de teren și construcții din pământ armat	Politehnica Timisoara	ISBN: 978-606-554-754-4, ISSN: 1842-581X	2014	290	1	145.00
3	Beatrice Clara Vilceanu , Sorin Ioan Herban, Luisa Izabel Dungan	3D printing and scanning	Eurobit	ISBN 978-973-132-627-6	2020	63	3	10.50

1.1 Carti si capitole în carti de specialitate
 1.1.2 Carti/Capitole de carti ca editor/ coordonator
 1.1.2.1 Internationale

Nr. Crt	Editori	Titlul cartii	Editura	Anul	ISBN și / sau ISSN	Nr pagini	Nr editori	Indicator realizat
								0.00
1								

1.1 Carti si capitole în carti de specialitate
1.1.2 Carti/Capitole de carti ca editor/ coordonator
1.1.2.2 Nationale

Nr. Crt	Editori	Titlul cartii	Editura	Anul	ISBN și / sau ISSN	Nr pagini	Nr editori	Indicator realizat
								0.00

Universitatea Politehnica Timisoara

Departamentul CCTFC

Comisia: INGINERIE GEOLOGICĂ, INGINERIE GEODEZICĂ, MINE, PETROL ȘI GAZE

1.2.1 Manuale, suport de curs

Nr. Crt	Autori	Titlul cartii	Editura	ISBN și / sau ISSN	Anul	Nr pagini	Nr autori	Indicator realizat
								35.00
1	Vilceanu Clara - Beatrice	Sisteme Informatice Geografice - Concepte și Aplicații	Politehnica	978-606-35-0125-8	2017	210	1	35.00

1.2 Suport didactic

1.2.2 Indrumare de laborator / aplicatii

Nr. Crt	Autori	Titlul	Editura	ISBN și / sau ISSN	Anul	Nr pagini	Nr autori	Indicator realizat
								14.33
1	Vîlceanu Clara - Beatrice	Aplicații Practice în Fotogrammetria Digitală	e-book	http://www.ct.upt.ro/user/s/Clara-BeatriceVilceanu/Fotogrammetrie.pdf	2014	33	1	5.50
2	Vîlceanu Clara - Beatrice	Laborator Sisteme Informatice Geografice	e-book	http://www.ct.upt.ro/user/s/Clara-BeatriceVilceanu/Laborator_Sisteme_Informatice_Geografice.pdf	2014	53	1	8.83

Universitatea Politehnica Timisoara

Departamentul CCTFC

Comisia: INGINERIE GEOLOGICĂ, INGINERIE GEODEZICĂ, MINE, PETROL ȘI GAZE

1.3 Coordonare de programe de studii, organizare si coordonare programe de formare continua, proiecte educationale

Nr. Crt	Programul	Facultatea/ Departamentul prin care s-a implementat	Indicator realizat
			45
1	Coordonator acord bilateral ERASMUS cu Georgia	Departamentul Relații Internaționale	15
2	Coordonator acord bilateral ERASMUS cu Neapolis University Pafos	Departamentul Relații Internaționale	15
3	Coordonator acord bilateral ERASMUS cu Istanbul Rumeli University	Departamentul Relații Internaționale	15

Universitatea Politehnică Timișoara

Departamentul CCTFC

Comisia: INGINERIE GEOLOGICĂ, INGINERIE GEODEZICĂ, MINE, PETROL ȘI GAZEA

2.1 Articole in reviste cotate Web of Science / ISI Thomson Reuters si in volumele indexate ISI Proceedings

Nr. Crt	Autori	Titlul lucrării	Conferința, Simpozionul, Denumirea volumului, Localitatea, etc.	Anul	Pag.	Vol (Nr.)/ISBN	Factor de impact	Nr autori	Indicator realizat
225.88									
1	Herban Sorin, Vilceanu C.B.	Terrestrial Laser Scanning Used for 3D Modeling	12h International Multidisciplinary Scientific Geoconference (SGEM), Bulgaria, Accession Number: WOS:000348532700101	2012	789-796	SGEM 2012, VOL. II, ISSN 1314-2704	0	2	12.50
2	Clara–Beatrice Vilceanu , Carmen Grecea	Using Geographic Information System analysis in the management of flood risk areas	13h International Multidisciplinary Scientific Geoconference (SGEM), Bulgaria, WOS:000349067200134	2013	1049-1056	Geoconference on Informatics, Geoinformatics and Remote Sensing - Conference Proceedings, Vol I, ISBN 978-954-91818-9-0, ISSN: 1314-2704	0	2	12.50
3	Vilceanu Beatrice , Herban Sorin, Carmen Grecea	Creating 3D Models of Heritage Objects using Photogrammetric Image Processing	11th International Conference of Numerical Analysis and Applied Mathematics, Symposium: Mathematical optimization in modern medicine and engineering (ICNAAM 2013), Rhodes, Greece, WOS:000331472800377	2013	1599-1602	AIP Conference Proceedings, Vol. 1558 (2013); DOI: 10.1063/1.4825832, ISBN:978-0-7354-1185-2, ISSN: 0094-243X	0	3	8.33
4	Herban Sorin, Vilceanu B. , Alionescu A., Grecea C.	Studying the Movement of Buildings and Developing Models to Determine Real Settlements	Journal of Environmental Protection ISSN 1311-5065, Accession Number: WOS:000317437400044	2014	789-796	Vol 15, Nr 2 ISSN 1311-5065	0.774	4	10.12
5	Grecea C., Moscovici A., Vilceanu C.B. , Herban Sorin	Comparative Overview of Cadastre and Land Information Systems in Some Countries from Europe - An Efficient Tool to Understand and Manage Urban Development	Journal of Environmental Protection ISSN 1311-5065, Accession Number: WOS:000317437400031	2014	678-685	Vol 15, Nr 2 ISSN 1311-5065	0.774	4	10.12
6	Alionescu A., Herban Sorin, Vilceanu C.B. , Musat C.C.	Mathematic Interpolation Methods - Support for an Efficient 3D Modeling Of Landslides in the Context of Displacements Monitoring	12th International Conference of Numerical Analysis And Applied Mathematics 2014 (ICNAAM-2014), Rhodes, Greece, WOS:000355339704032	2014	67002-1-67002-4	AIP Conference Proceedings 1648, Article Number: UNSP 670002 (2015); DOI: 10.1063/1.4912897	0	4	6.25

7	Vilceanu Beatrice , Herban Sorin, Carmen Grecea	E-Learning in Engineering - Impact Upon the Student's Mentality and Development	Rethinking Education by Leveraging the Elearning Pillar of the Digital Agenda for Europe!, VOL. II WOS:000384470100088	2015	584-591	ISSN: 2066-026X	0	3	8.33
8	Vilceanu C.B. , Herban Sorin, Alionescu A., Musat C.	Processing of Environmental Data Using Digital Terrain Models for the Western Part of Romania	15h International Multidisciplinary Scientific Geoconference (SGEM), Accession Number: WOS:000371600100130	2015	1043-1050	SGEM 2014, VOL. II, ISSN 1314-2704	0	4	6.25
9	Herban Sorin, Grecea C., Musat C.C., Vilceanu C.B.	Workflow Optimization of Immovable's Registration in Romanian Cadastral System	15h International Multidisciplinary Scientific Geoconference (SGEM), Accession Number: WOS:000371600100153	2015	1231-1238	SGEM 2015, VOL. II, ISSN 1314-2704	0	4	6.25
10	R. Teșilă, G. Rusu, B. Vilceanu , A. Alionescu	Targeting Displacements' Monitoring of Constructions through Mathematical Methods	13th International Conference of Numerical Analysis and Applied Mathematics 2015, (ICNAAM 2015), Rhodes, Greece, WOS:000380803300360	2015	350010-1 - 350010-4	AIP Conference Proceedings, Vol. 1738, Article Number: 350010 (2016); DOI: 10.1063/1.4952133	0	4	6.25
11	Vlad I., Herban Sorin, Stoian M., Vilceanu CB	3D Model Tools for Architecture and Archaeology Reconstruction	13th International Conference of Numerical Analysis and Applied Mathematics 2015, (ICNAAM 2015), Rhodes, Greece, WOS:000380803300354	2015	350005-1 - 350005-4	AIP Conference Proceedings 1738, 350005 (2016); DOI: 10.1063/1.4952128, ISSN: 0094-243X	0	4	6.25
12	Vilceanu C.B. , Herban Sorin, Alionescu A.	Using Open Source GIS for the Management of the Administrative Territorial Unit	15th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium Location: Oradea, ROMANIA WOS:000378314000013	2016	73-78	ISBN:978-88-7587-724-8	0	3	8.33
13	Grecea C., Herban Sorin, Vilceanu C.B.	WebGIS Solution for Urban Planning Strategies	World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium, Prague, WOS:000387566500251	2016	1625-1630	Procedia Engineering Journal, Vol. 161, 2016, http://dx.doi.org/10.1016/j.proeng.2016.08.637 , Elsevier, ISSN: 1877-7058	0	3	8.33
14	C. – B. Vilceanu , C. Grecea, C. Mușat	Relevancy of Mathematical Support for Geophysics Determinations	14th International Conference of Numerical Analysis And Applied Mathematics 2016, (ICNAAM 2016), Rhodes, Greece	2016		AIP Conference Proceedings 1863, 430008; doi: http://dx.doi.org/10.1063/1.4992604	0	3	8.33
15	Vilceanu C.B. , Herban Sorin, Grecea C.	Geodetic Studies with Significant Contribution to Landslide Monitoring In South-Western Romania - Area with High Risk Potential	Journal: TEHNICKI VJESNIK-TECHNICAL GAZETTE WOS:000388945600011	2016	1623-1630	ISSN: 1330-3651	0.723	3	13.15

16	Herban Sorin, Vilceanu C.B. , Grecea C.	Road-Structure Monitoring with Modern Geodetic Technologies	Journal of Surveying Engineering, American Society of Civil Engineering	2017	050170 04-1 - 050170 04-15	Vol. 143 (4), ISSN (print): 0733-9453 ISSN (online): 1943-5428	1.667	3	19.45
17	Clara – Beatrice Vilceanu , Sorin Herban, Cosmin Musat	Time Structural Behaviour of Buildings Monitored by Topographic Technologies	Conference Proceedings, 16th edition National Technical-Scientific Conference „Modern Technologies for the 3rd Millennium”, WOS:000413420300017	2017	Pages: 99-104	ISBN:978-88-87729-41-2	0	3	8.33
18	Clara – Beatrice Vilceanu , Sorin Herban, Qingyan Meng and Adrian Alionescu	Using LiDAR for Urban Green Space Monitoring	ICNAAM 2017 Symposium: Mathematical Optimization In Modern Medicine And Engineering, Thessaloniki, Greece, September 25 - 30, 2017	2017	pp 390010	AIP Conference Proceedings, vol. 1978, issue 1, 2018, https://doi.org/10.1063/1.5043994	0	4	6.25

19	Vilceanu C.B. , Alionescu A., Herban S	Structure Settlements Analysis Highlighted by Topographic and Geotechnical Studies	Modern technologies for the 3rd millennium, The National Technical-Scientific Conference (international participation)- the 17th edition	2018	Pages 123-128			3	8.33
20	C.-B. Vilceanu , C. Grecea, S. Herban	Opportunities and challenges in higher education system: knowledge transfer by e-Learning vs. traditional methods	The International Scientific Conference eLearning and Software for Education	2018	pp. 253-258	Vol. 4, Published by "Carol I" National Defence University		3	8.33
21	O. A. Banescu, S. Herban, C.-B. Vilceanu	Cultural heritage modeling potential highlighted by e-Learning resources		2018				3	8.33
22	Vilceanu C.B. , Alionescu A., Grecea C., Herban S., Moscovici A.M.	Heritage studies in spatial planning; development and environmental policies	18th edition International Technical-Scientific Conference, Modern Technologies for the 3rd Millennium, Ed Learning, ISBN 978-88-87729-61-0	2019	Pages 79-84			5	5.00
23	A.-M. Moscovici, C. B. Vilceanu , C. Grecea, S. Herban	Spatial data geoportal for local administration - Solution for smart cities	Journal of Environmental Protection and Ecology	2019	Pages: 1374-1383	Vol: 20 Issue: 3	0.692	4	9.71
24	Alionescu A., Herban Sorin, Vilceanu C.B.	3D Modelling of Cultural Heritage Objective in Timisoara using precise LiDAR	AIP Conference Proceedings, The 16th International Conference on Numerical Analysis and Applied Mathematics ICNAAM 2018, ISSN 0094-243X	2019		Vol. 2116, Article Number 370002, https://doi.org/10.1063/1.5114375		3	8.33
25	A. Morărescu, S. Herban, C.-B. Vilceanu , D. Grecea	Durable Solutions for Precision Agriculture in Romania	AIP Conference Proceedings, The 17th International Conference on Numerical Analysis and Applied Mathematics ICNAAM 2019, Rhodes, Greece, 23-28 September 2019	2020		Vol. 2293, Article Number 350006, DOI10.1063/5.0026421,		4	6.25
26	A.-M. Moscovici, C.-B. Vilceanu , S. Herban, C. Grecea	Solar cadastre in Timisoara, Romania	Scientific papers-Series E-Land Reclamation Earth Observation & Surveying Environmental Engineering	2021	pp. 272-277	Vol. 10, ISSN 2285-6064		4	6.25

Universitatea Politehnica Timisoara

Departamentul CCTFC

Comisia: INGINERIE GEOLOGICĂ, INGINERIE GEODEZICĂ, MINE, PETROL ȘI GAZE

2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte
baze de date internationale

Nr. Crt	Autori	Titlul lucrării	Revista/ Conferinta	BDI (Baza de date internațională)	Anul	ISBN/Vol. Nr.	Nr autori	Indicator realizat
144.67								
1	Vilceanu Clara Beatrice , Herban Sorin, Mușat Cosmin Constantin	The correlation between the surveying profession and sustainable development	Research Journal of Agricultural Sciences (RJAS)	Copernicus International	2011	ISSN 2066-1843 / Vol 43 (3), pp. 522 - 529	3	6.67
2	Herban Sorin, Vilceanu Clara Beatrice	The Impact of Geodetic and Topographic Monitoring on Landslides Risk Assessment	RevCad Journal of Geodesy and Cadastre,	Copernicus International	2011	ISSN 1583-2279, pp. 85 – 90	2	10.00
3	Herban Ioan Sorin, Vilceanu Clara – Beatrice	3D modeling using terrestrial Leica C 10 Scanstation	Scientific Bulletin of The Politehnica University of Timisoara, Transactions on Hydrotechnics	EBSCO	2011	ISSN 1224-6042, vol. 2/2011, pp. 95 – 98	2	10.00
4	Carmen Grecea, Vilceanu Clara – Beatrice	Possibilities of monitoring the areas affected by natural calamities using Intergraph technology	RevCad Journal of Geodesy and Cadastre	Copernicus International	2012	ISSN 1583-2279, 13 / 2012 pp. 75 – 85	2	10.00

5	Sorin Herban, Clara – Beatrice Vilceanu	Landslide monitoring in the context of sustainable development	Research Journal of Agricultural Science (RJAS)	Copernicus International	2012	ISSN 2066-1843 / Vol. 44 (3), pp. 213-221	2	10.00
6	Carmen Grecea, Clara – Beatrice Vilceanu	Geomatics – possible solution for an efficient management of environmental problems	Research Journal of Agricultural Science (RJAS)	Copernicus International	2012	ISSN 2066-1843 / Vol. 44 (3), pp. 199-207	2	10.00
7	Clara – Beatrice Vilceanu , Ioan Sorin Herban, Carmen Grecea	Contribution of geodetic engineering to special constructions monitoring	Buletinul Institutului Politehnic „Gheorghe Asachi” din Iasi, secția Hidrotehnica	Copernicus International, Ulrich's, ProQuest, EBSCO, DOAJ	2012	Tomul LVIII (LXII), Fascicula 3-4, pp. 103-113, ISSN 1224-3892	3	6.67
8	Singeorzan Benjamin, Vilceanu Beatrice , Scarlat Amalia	Verifying the stability of a 28 m high pile - wall from an excavation site using Finite Element Method	12h International Multidisciplinary Scientific Geoconference (SGEM), Bulgaria, WOS:000348532700045	Scopus	2012	SGEM 2012, VOL. II, ISSN 1314-2705, pp. 347-354	3	6.67
9	Grecea, C; Musat, C; Vilceanu, CB	GIS, efficient support for urban planning - Framework of Timisoara, Romania	12h International Multidisciplinary Scientific Geoconference (SGEM), Bulgaria, WOS:000348532700134	Scopus	2012	SGEM 2012, VOL. II, ISSN 1314-2704, pp. 1057-1064	3	6.67
10	Clara – Beatrice Vilceanu , A.C. Bălă	Crearea modelului digital al terenului utilizând tehnologia de scanare laser terestră pentru alunecarea de teren – drum de acces între localitatea Orșova și platoul Topleț, culmea Dranic, județul Mehedinți	Revista Română de Inginerie Civilă, Editura MatrixRom, București	Index Copernicus International, ProQuest	2013	ISSN 2068-3987 / Vol. 4/2013, pp. 131-141	2	10.00

11	Clara – Beatrice Vilceanu , Ioan Sorin Herban, Cosmin Constantin Mușat	Modern geodetic methods for monitoring landslides – Case study “The approach road between Orșova municipality and Topleț plateau, Dranic peak, Mehedinți County”	Scientific Bulletin of The Politehnica University of Timisoara, Transactions on Hydrotechnics	EBSCO	2013	ISSN 1224-6042 / Vol. 1/2013, pp. 119 – 122	3	6.67
12	Floarea Maria Brebu, Clara-Beatrice Vilceanu , Maria-Roberta Gridan	Geodetic studies on hydrotecnical structures movements and deformations monitoring	Scientific Bulletin of The Politehnica University of Timisoara, Transactions on Hydrotechnics	EBSCO	2013	ISSN 1224-6042 / Vol. 2/2013, pp. 143 – 147	3	6.67
13	I.S. Herban, Clara-Beatrice Vilceanu , A. Alionescu	Application of close-range photogrammetry to cultural heritage	RevCad Journal of Geodesy and Cadastre	Copernicus International	2014	ISSN 1583-2279/ Vol. 16., pp. 104 – 112	3	6.67
14	Sorin I. Herban, Adrian Alionescu, Carmen Grecea, Beatrice C. Vilceanu	Geodetic frame for railways infrastructure works	International journal of systems applications, engineering & development	Copernicus International	2014	ISSN: 2074-1308, vol. 8/2014, pp. 26-32	4	5.00
15	C.-B. Vilceanu , S. I. Herban, O. Grecea	3D models for a sustainable development of cultural heritage	Procedia Environmental Science, Engineering and Management (P - ESEM)	Scopus, Ebsco, Copernicus International, Google Scholar	2015	ISSN: 2392 – 9537, ISSN-L: 2392 – 9537, eISSN: 2392 – 9545, (2) pp.157-160		

16	Adrian Alionescu, Sorin Herban, Cosmin Mușat, Beatrice Vilceanu	Managing Urban Traffic and Road Network using GIS Facilities	Scientific Bulletin of The Politehnica University of Timisoara, Transactions on Hydrotechnics	EBSCO	2015	Vol. 60 (74), Issue 1, pp. 13-17	4	5.00
17	Moscovici, Bala, Brebu, Vilceanu , Csegu	Monitoring of Buituri slag dump, Hunedoara county in relation with environmental protection	Bulletin UASVM Horticulture	Copernicus International, EBSCO, DOAJ	2017	74(1) / 2017, Print ISSN 1843-5254, Electronic ISSN 1843-5394, DOI:10.15835/buasvm.cn-hort:12300 pp. 110-116	5	4.00
18	S. Herban, R. Hălbac-Cotoară-Zamfir, Clara Beatrice Teșilă , B. Foreid, C. Farkas	Waste Management – Approaches, strategies and differences between Romania and Norway	Scientific Bulletin of The Politehnica University of Timisoara, Transactions on Hydrotechnics	EBSCO	2017	Vol. 62 (76), Issue 1, 2017, pp. 27-32,	5	4.00
19	S. Herban, Q. Meng, C.-B. Vilceanu	Urban Green Space Monitoring technique with Remote Sensing and its application and urban green space index	Scientific Bulletin of the Politehnica University of Timisoara, Transaction of Hydrotechnics	EBSCO	2017	Volume 62 (76), Issue 2, 2017, pp. 23-27	3	6.67

20	S. Herban, C.-B. Vîlceanu , R. Halbac-Cotoară-Zamfir	Urban green space monitoring for climate change mitigation	Conference Proceedings 17th International Multidisciplinary Scientific Geoconference SGEM 2017, Energy & Clean Technologies Issue 43, Recycling Air Pollution and Climate Change, Modern Energy and Power Resources,	Scopus	2017	vol. 17, ISBN 978-619-7408-28-7, ISSN 1314-2704, DOI: 10.5593/sgem2017H/43, pp. 595-593	3	6.67
21	C.-B. Vîlceanu , A. C. Badea, S. Herban	Geostatistical analysis for landslide prediction in Transilvania, Romania	Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.; GI4DM 2018: GeoInformation for Disaster Management, Istanbul, 18-21 martie 2018, Suleyman Demirel Cultural Center	Scopus	2018	XLII-3/W4, 543-547, https://doi.org/10.5194/isprs-archives-XLII-3-W4-543-2018	3	6.67

Director Departament CCTFC
Prof. dr. ing. Florin BELC

Candidat
Ș.I.dr.ing.ec. Clara - Beatrice VÎLCEANU

2.4 Granturi / proiecte castigate prin competitie

2.4.1.1 INTERNATIONALE -
 DIRECTOR
 2.4.2.1 INTERNATIONALE -
 MEMBRU

Nr. Crt.	Echipa de cercetare (Director și cercetători)	Denumirea grantului	Nr. Grant	Perioada de desfasurare	Ani de desfasurare	Beneficiar	Poziția în cadrul echipei de cercetare		Indicator realizat	Indicator realizat	Confirm corectitudinea datelor declarate.
							Responsabil	Membru	Responsabil	Membru	Responsabil Semnătura

30 30

1	Sorin Herban (Director Partener UPT), Grecea Carmen, Vilceanu Beatrice	Development of Urban Green Space Monitoring Technique with Remote Sensing and its Application. Case Study Timisoara Romania and Beijing-China http://uefiscdi.gov.ro/userfiles/file/CAPACITATI/Bilaterale/RO-CH/Competitie%202014/Rezultate%20comisie%20mixta%20RO_CH%202016.pdf	PN III - 2016 - Competitie Romania-China/22	2016	2	Cooperare bilaterala Romania-China - Competitia 2014		X	0	20	
2	Sorin Herban (Director Partener UPT), Rares Halbac Cotoara Zamfir, Vilceanu Beatrice , Popescu Francisc	Waste management – Adaptation strategies to climate changes	Programul "Cercetare în Sectoare Prioritare" finanțat prin Mecanismul Financiar SEE 2009-2014	2016	1	SEE 2016		X	0	10	
3	Vilceanu Beatrice	SEE Mobility 2018-2019 PROJECT EY-MPO-0083	EEA & Norway Grants	2019	1	SEE 2019	X		30	0	

2.4 Granturi / proiecte castigate prin competitie

2.4.1.2 NATIONALE- DIRECTOR

2.4.2.2 NATIONALE -MEMBRU

Nr. Crt.	Echipa de cercetare (Director și cercetători)	Denumirea grantului	Programul / Beneficiar	Nr contract	Perioada de desfasurare	Ani de desfasurare	Poziția în cadrul echipei de cercetare		Indicator realizat	Indicator realizat	Confirm corectitudinea datelor declarate responsabil Semnătura
							responsabil	Membru	Responsabil	Membru	
									75	50	
1	Vilceanu Clara - Beatrice	Participare la Open Source GIS Integration Training Course Staines 13th – 14th November 2017	PN-III-P1-1.1-MC-2017; Program 1 Subprogram 1.1 - Resurse Umane. Proiecte de mobilitate pentru cercetători Competiția 2017		2017	1	X		15		
2	Vilceanu Clara - Beatrice	Participare la conferința internațională „GeoInformation for Disaster Management 2018” cu susținerea articolului științific intitulat „Geostatistical Analysis for landslide prediction in Transilvania, Romania”	PN-III-P1-1.1-MC-2017; Program 1 Subprogram 1.1 - Resurse Umane. Proiecte de mobilitate pentru cercetători Competiția 2017		2018	1	X		15		
3	Vilceanu Clara - Beatrice	Acces la infrastructura de cercetare „Laboratory for development of the open source geospatial technologies” / „Laborator pentru dezvoltarea tehnologiilor geospațiale open-source” din cadrul Departamentului de Geodezie și Geoinformatică, Facultatea de Construcții, Universitatea din Belgrad	PN-III-P1-1.1-MC-2017; Program 1 Subprogram 1.1 - Resurse Umane. Proiecte de mobilitate pentru cercetători Competiția 2017		2018	1	X		15		
4	Vilceanu Clara - Beatrice	„Acces la infrastructura de cercetare „HydroLAB” / „Laborator pentru dezvoltarea tehnologiilor geospațiale” din cadrul Departamentului de Inginerie Civilă și Ingineria Mediului, Universitatea de Studii din Basilicata”	PN-III-P1-1.1-MC-2017; Program 1 Subprogram 1.1 - Resurse Umane. Proiecte de mobilitate pentru cercetători Competiția 2018		2018	1	X		15		

2.5 Proiecte de cercetare/ consultanta (valoare de minim 5000 Euro echivalent)

Nr. Crt.	Echipa de cercetare (Director și cercetători)	Denumirea grantului	Nr contract	Anul	Ani desfasurare	Beneficiar	Poziția în cadrul echipei de cercetare		Indicator realizat	Indicator realizat	Confirm corectitudinea datelor declarate. DIRECTOR GRANT/PROIECT Semnătura
							Director	Membru	responsabil	Membru	
									8	18	
1	M. Marin, P. Pantea, M. Mirea, A. Ciopec, O. Roman, L. Roman, Clara - Beatrice Vilceanu	Expertiză tehnică pentru zona cuprinsă între bulevardul Ferdinand și strada Traian inclusiv – zona administrată de primăria municipiului Constanța – în zona cuprinsă între blocurile A1 – A8	BC 56/2011	2011	1	Primaria Municipiului Constanta		x	0	6	
2	P. Marc, O. Roman, M. Marin, Ghe. Lucaci, F. Belc, C. Costescu, L. Roman, A. Buzuriu, S. Herban, Clara- Beatrice Vilceanu , A. Alionescu, A. Ciopec	Servicii de evaluare tehnico-economică privind obiectivul Remedierea rambleului prag 09-Aeroportul Internațional Sibiu	BC 27/17.02.2014	2014	1	R.A. Aeroportul Internațional Sibiu		x	0	6	
3	Herban S., Alionescu A., Vilceanu B.	Studii și cercetări privind executarea de măsurători topografice-ingenerești pentru reprezentare și modelare tridimensională intrărilor Vaselor sub presiune – SC PRESAFFE SRL	BC 68 / 16.06.2015	2015	1	S.C. PreSaffe SRL		x	0	6	
4	Vilceanu B. , Herban S., Grecea C., Alionescu A.	Servicii de digitizare a obiectivului de investitii "Consolidare și restaurare a colonadei din Orașul Buziaș"	BC 115/10.12.2018	2018	1	Primaria Orașului Buziaș	X		8	0	

3.1 Citari in reviste ISI si BDI si in volumele conferintelor ISI si BDI
3.1.1 ISI

Nr. Crt	Detalii ale articolului care citeaza	Titlul lucrării citate	Autori	Revista / Proceedingsul ISI in care se citeaza	Nr autori ai articolului citat	Indicator realizat
41.33						
1	Estimation for the accumulated errors in determining the road grade to improve the accuracy of a geodetic survey, Mamonov, K.; Orel, Y.; Kamchatnaya, S.; Saiapin, O.; Borodin, D.	Road-Structure Monitoring with Modern Geodetic Technologies	I.S. Herban; C.-B. Vilceanu ; C. Grecea	SURVEY REVIEW, DOI: 10.1080/00396265.2021.1935642	3	2.67
2	Methodological and On-Site Applied Construction Layout Plan with Batter Boards Stake-Out Methods Comparison: A Case Study of Romania, Sestras Paul	Road-Structure Monitoring with Modern Geodetic Technologies	I.S. Herban; C.-B. Vilceanu ; C. Grecea	APPLIED SCIENCES-BASEL, Vol: 11 Issue: 10, Article Number: 4331 DOI: 10.3390/app11104331	3	2.67
3	Precision Agriculture Workflow, from Data Collection to Data Management Using FOSS Tools: An Application in Northern Italy Vineyard; Belcore, E.; Angeli, S. ; Colucci, E. ; Musci, MA; Aicardi, I	WebGIS Solution for Urban Planning Strategies	Carmen Grecea, Sorin Herban, Clara-Beatrice Vilceanu	ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION Vol: 10 Issue: 4, Article Number: 236 DOI: 10.3390/ijgi10040236	3	2.67
4	OPEN-SOURCE WEB GIS FRAMEWORK IN MONITORING URBAN LAND USE PLANNING: PARTICIPATORY SOLUTIONS FOR DEVELOPING COUNTRIES, Sejati, AW ; Buchori, I; Rudiarto, I.; Silver, C.; Sulisty, K	WebGIS Solution for Urban Planning Strategies	Carmen Grecea, Sorin Herban, Clara-Beatrice Vilceanu	JOURNAL OF URBAN AND REGIONAL ANALYSIS Vol.: 12 Issue: 1 Pages: 19-33, DOI: 10.37043/JURA.2020.12.1.2	3	2.67

5	Implementation of Y-Model GIS web development in inventory of environmental roads, drainage and septic tanks: A study case; Fauzi C.	WebGIS Solution for Urban Planning Strategies	Carmen Grecea, Sorin Herban, Clara-Beatrice Vilceanu	International Conference on Innovation in Engineering and Vocational Education 2019 (ICIEVE 2019), PTS 1-4, Book Series: IOP Conference Series-Materials Science and Engineering Vol.: 830, Article Number: 032010, DOI: 10.1088/1757-899X/830/2/022010	3	2.67
6	Application of GIS Technology in Urban Planning Informatization, Zhong Zhaodong	WebGIS Solution for Urban Planning Strategies	Carmen Grecea, Sorin Herban, Clara-Beatrice Vilceanu	2019 4th International Workshop on Materials Engineering and Computer Sciences, Pages: 585-589 DOI: 10.25236/iwmeecs.2019.113	3	2.67
7	An Open Multi-user Platform in Support of Urban Development: the DATA WebGIS, Pristeri, Guglielmo and Pappalardo, Salvatore and Codato, Daniele and Gianoli, Federico and De Marchi, Massimo	WebGIS Solution for Urban Planning Strategies	Carmen Grecea, Sorin Herban, Clara-Beatrice Vilceanu	Expanding Cities - Diminishing Space: Are Smart Cities the Solution or Part of the Problem of Continuous Urbanisation around the Globe? (REAL CORP 2018), roceedings of International Conference on Urban Development Regional Planning and Information Society, Pp: 67-74	3	2.67

8	Seismic Vulnerability Assessment of Historical Group of Buildings in Timisoara City; Onescu, E; Onescu, I; Mosoarca, M; Ion, A	Using Open Source GIS for the management of the administrative territorial unit,	Clara-Beatrice Vilceanu , Sorin Herban, Adrian Alionescu	18th edition International Technical-Scientific Conference Modern Technologies for the 3rd Millennium, pp. 259-265, ISBN 978-88-87729-61-0	3	2.67
9	Solutions for improving seismic vulnerability of historic masonry buildings, Apostol, I; Mosoarca, M Chieffo, N; Keller, A; Bocan, D; Bocan, C; Bradeanu, R	Using Open Source GIS for the management of the administrative territorial unit,	Clara-Beatrice Vilceanu , Sorin Herban, Adrian Alionescu	Mod. Technol. 3rd Millenn., pp. 131–136	3	2.67
10	Seismic Vulnerability Scenarios for Historical Areas of Timisoara; Azap, B; Apostol, I; Mosoarca, M; Chieffo, N; Formisano, A	Using Open Source GIS for the management of the administrative territorial unit,	Clara-Beatrice Vilceanu , Sorin Herban, Adrian Alionescu	Mod. Technol. 3rd Millenn., pp. 149–155	3	2.67
11	Geospatial Data Acquisitions Using 3D Laser Scanning Technology in the Context of Monitoring Mines, Moscovici, AM; Brebu, FM; Bala, AC	Using Open Source GIS for the management of the administrative territorial unit,	Clara-Beatrice Vilceanu , Sorin Herban, Adrian Alionescu	16th edition National Technical-Scientific Conference Modern Technologies for the 3rd Millennium, pp.39-45, 2017, ISBN 978-88-87729-41-2	3	2.67
12	Characterization of the Interdependency Relations between the Spectral Information, Vegetation Indices and the Number of Classes for the Analyzed Territory, Cristian, C; Herbei, M; Ciprian, R; Florin, S	3D Model Tools for Architecture and Archaeology Reconstruction	Ioan Vlad, Ioan Sorin Herban, Mircea Stoian, Clara-Beatrice Vilceanu	AIP Conference Proceedings 1978, 390002 (2018); https://doi.org/10.1063/1.5043986	4	2.00
13	Comparison and analysis of results of 3D modelling of complex cultural and historical objects using different types of terrestrial laser scanner, Mulahusic, A.; Tuno, N.; Gajski, D.; Topoljak, J.	GEODETIC STUDIES WITH SIGNIFICANT CONTRIBUTION TO LANDSLIDE MONITORING IN SOUTH-WESTERN ROMANIA - AREA WITH HIGH RISK POTENTIAL	Vilceanu, Clara-Beatrice; Herban, Ioan Sorin; Grecea, Carmen	SURVEY REVIEW, Vol: 52, Issue: 371, Pages: 107-114	3	2.67
14	ASPECTS REGARDING THE REALIZATION OF REAL ESTATE CADASTRE IN ROMANIA, Autori: Ienciu, I; Oprea, L; Tudorascu, M; Filip, L	COMPARATIVE OVERVIEW OF CADASTRE AND LAND INFORMATION SYSTEMS IN SOME COUNTRIES FROM EUROPE-AN EFFICIENT TOOL TO UNDERSTAND AND MANAGE URBAN DEVELOPMENT	C. Grecea, A.-M. Moscovici, C.- B. Vilceanu , S. I. Herban	15th International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: JUN 18-24, 2015	4	2.00
15	ENVIRONMENT PROTECTING BY PERMANENT MONITORING OF SALT MINES, Autori: Grecea C., Brebu F.M., Bala A.C., Grecea O.A.	STUDYING THE MOVEMENT OF BUILDINGS AND DEVELOPING MODELS TO DETERMINE REAL SETTLEMENTS	S. I. Herban, C.-B. Vilceanu , A. Alionescu, C. Grecea	JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, Volume: 16 Issue: 3 Pages: 988-997	4	2.00

16	3D MODELLING OF HISTORICAL MONUMENTS USING PHOTOGRAMMETRIC AND GIS SOFTWARE FOR RESTAURATION, Dimen, L.; Borsan, T.; Gaban, L.	STUDYING THE MOVEMENT OF BUILDINGS AND DEVELOPING MODELS TO DETERMINE REAL SETTLEMENTS	S. I. Herban, C.-B. Vilceanu , A. Alionescu, C. Grecea	JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, Vol.: 19 Issue: 1 Pp: 330-337	3	2.67
17	Mathematical and Statistical Models for Determining the Crop Load in Grapevine, Autori: Alina, D; Alin, D ; Eleonora, N; Teodor, C ; Marius, B ; Florin, S	Creating 3D Models of Heritage Objects using Photogrammetric Image Processing	Clara Beatrice Vilceanu , Ioan Sorin Herban, Carmen Grecea	AIP Conference Proceedings, Volume: 1738, DOI: 10.1063/1.4952130	3	2.67
18	Optimization of Grapevine Yield by Applying Mathematical Models to Obtain Quality Wine Products, Autori: Alina, D; Alin, D ; Eleonora, N; Teodor, C ; Marius, B ; Florin, S	Creating 3D Models of Heritage Objects using Photogrammetric Image Processing	Clara Beatrice Vilceanu , Ioan Sorin Herban, Carmen Grecea	AIP Conference Proceedings, Volume: 1738, DOI: 10.1063/1.4952131	3	2.67
19	Biomass Prediction Model in Maize Based on Satellite Images, Autori: Herbei, Mihai; Sala, Florin	Creating 3D Models of Heritage Objects using Photogrammetric Image Processing	Clara Beatrice Vilceanu , Ioan Sorin Herban, Carmen Grecea	AIP Conference Proceedings, Volume: 1738, DOI: 10.1063/1.4952132	3	2.67
20	Creating 3D Models of Historical Buildings Using Geospatial Data, Autori: A. Alionescu, A.C. Bala, F.M. Brebu, A.M. Moscovici	Creating 3D Models of Heritage Objects using Photogrammetric Image Processing	Clara Beatrice Vilceanu , Ioan Sorin Herban, Carmen Grecea	AIP Conference Proceedings, 1863, DOI: 10.1063/1.4992598	3	2.67
21	Geospatial Data Acquisitions Using 3D Laser Scanning Technology in the Context of Monitoring Mines, Moscovici, AM; Brebu, FM; Bala, AC	Creating 3D Models of Heritage Objects using Photogrammetric Image Processing	Clara Beatrice Vilceanu , Ioan Sorin Herban, Carmen Grecea	16th edition National Technical-Scientific Conference Modern Technologies for the 3rd Millennium, pp.39-45, 2017, ISBN 978-88-87729-41-2	3	2.67
22	Creating 3D Models of Historical Buildings Using Geospatial Data, Autori: A. Alionescu, A.C. Bala, F.M. Brebu, A.M. Moscovici	Creating 3D Models of Heritage Objects using Photogrammetric Image Processing	Clara Beatrice Vilceanu , Ioan Sorin Herban, Carmen Grecea	AIP Conference Proceedings, 1863, 10.1063/1.4992598	3	2.67
23	The Use of UAV in Urban Public Utility Systems, Salagean, T; Suba, EE; Moscovici, AM; Paunescu, V; Calin, M; Iliescu, A; Pop, ID	Creating 3D Models of Heritage Objects using Photogrammetric Image Processing	Clara Beatrice Vilceanu , Ioan Sorin Herban, Carmen Grecea	MODERN TECHNOLOGIES FOR THE 3RD MILLENNIUM, Pp: 67-72, 2019	3	2.67
24	Design and Implementation of Urban Construction Geographic Information System, Autori: Xu, J (Xu, Jin)[1] ; Qian, LH (Qian, Lihui)[2] ; Liu, NC (Liu, Nuochoen)[1] ; Ma, L (Ma, Long)[1] ; Yan, XF (Yan, XiaoFei)[1] ; Liu, BX (Liu, Bingxin)[1]	GIS-An efficient support for Urban Planning-Framework TIMISOARA, ROMANIA	Carmen Grecea, Cosmin Constantin Muşat, Clara-Beatrice Vilceanu	2015 NINTH INTERNATIONAL CONFERENCE ON FRONTIER OF COMPUTER SCIENCE AND TECHNOLOGY FCST 2015, DOI: 10.1109/FCST.2015.31	3	2.67

25	Phonic pollution and strategic acoustic mapping with geographic information systems , Autori: Grecea, C., Moscovici, A.-M.	GIS-An efficient support for Urban Planning-Framework TIMISOARA, ROMANIA	Carmen Grecea, Cosmin Constantin Mușat, Clara-Beatrice Vilceanu	Environmental Engineering and Management Journal 2014	3	2.67
26	Monitoring deposit slag and ash Utvin, Romania, using modern geodetic technology, Autori: Bala, A.C., Brebu, F.M.	TERRESTRIAL LASER SCANNING USED FOR 3D MODELING	Ioan Sorin Herban, Clara Beatrice Vilceanu	International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 2013	2	4.00
27	3D LASER SCANNING - MODERN TECHNOLOGY FOR GEOSPATIAL DATA ACQUISITION IN CONTEXT OF URBAN DEVELOPMENT, Alionescu, A; Bala, AC; Brebu, FM; Gridan, MR	TERRESTRIAL LASER SCANNING USED FOR 3D MODELING	Ioan Sorin Herban, Clara Beatrice Vilceanu	INFORMATICS, GEOINFORMATICS AND REMOTE SENSING, VOL II (SGEM 2015), pp.3-6	2	4.00
28	Sealing Screen of Osorhei Clearing Basin, Autor: Gugu, R. S.	VERIFYING THE STABILITY OF A 28 M HIGH PILE - WALL FROM AN EXCAVATION SITE USING FINITE ELEMENT METHOD	Beniamin Singeorzan, Clara-Beatrice Vilceanu , Carla Scarlat	Conference Proceedings 15th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, ISBN:978-88-7587-724-8	3	2.67

3.1 Citari in reviste ISI si BDI si in volumele conferintelor ISI si BDI
 3.1.2 BDI

Nr. Crt	Detalii ale articolului care citeaza	Autorii articolului citat	Lucrare citata	Autorii articolului care citeaza	Revista / Proceedingsul BDI in care se citeaza	BDI	Nr autori ai articolului citat	Indicator realizat
14.00								
1	The use of Laser scanning technology in land Monitoring of mining areas	Herban Sorin, Vilceanu B.	Terrestrial laser scanning used for 3D modeling	Sălăgean, T., Rusu, T., Onose, D., (...), Duda, B., Sestraș, P.	Carpathian Journal of Earth and Environmental Sciences 11(2), pp. 565-573, 2016	SCOPUS	2	2.00
2	Creating 3D models of historical buildings using geospatial data	Herban Sorin, Vilceanu B.	Terrestrial laser scanning used for 3D modeling	Alionescu, A., Bălă, A.C., Brebu, F.M., Moscovici, A.-M.	AIP Conference Proceedings 1863,430002, 2017	SCOPUS	2	2.00
3	Migrating designing from mapobjects-based desktop GIS application to WebGIS	Carmen Grecea, Sorin Herban, Clara-Beatrice Vilceanu	WebGIS Solution for Urban Planning Strategies	Jing Dong	C+CA: Progress in Engineering and Science, ISSN: 0045-6152 , Volume 42, Number 3, March 2017	SCOPUS	3	1.33
4	Recent urbanisation and the challenges in capitalising upon the built heritage in the northern area of bucharest	Moscovici, A.-M., Vilceanu, C.B. , Grecea, C., Herban, S.	Spatial data geoportal for local administration – Solution for smart cities	Merciu, F.-C., Merciu, G.-L., Secăreanu, G., Cercleux, A.-L.	Urbanism. Architecture. Constructions, Vol. 11(2), pp. 101-122, 2020	SCOPUS	4	1.00
5	Methodological and on-site applied construction layout plan with batter boards stake-out methods comparison: A case study of romania	Herban, I.S., Vilceanu, C.-B. , Grecea, C.	Road-structure monitoring with modern geodetic technologies	Sestraș, P.	Applied Sciences (Switzerland), Vol. 11(10),4331, 2021	SCOPUS	3	1.33
6	From the lab to the field: 3D technology supporting study and conservation processes on Ancient Egyptian artefacts	Vlad, I., Herban, I.S., Stoian, M., Vilceanu, C.-B.	3D model tools for architecture and archaeology reconstruction	Buscaglia, P., Biondi, E., Bovero, A., Quirino, T.	WMSCI 2017 - 21st World Multi-Conference on Systemics, Cybernetics and Informatics, Proceedings, 2, pp. 380-385, 2017	SCOPUS	4	1.00
7	RDBMS dan Google Maps Integration Model for WebGIS Based Land Ownerships Data Visualization	Carmen Grecea, Sorin Herban, Clara-Beatrice Vilceanu	WebGIS Solution for Urban Planning Strategies	Sutanta, E., Kumalasanti, R.A., Nurnawati, E.K., Iswahyudi, C., Putra, T.A.	Journal of Physics: Conference Series, 1823(1),012031, 2021	SCOPUS	3	1.33

8	Design and Implementation of Traffic Big Data Visualization Web GIS Platform Based on Hadoop	Carmen Grecea, Sorin Herban, Clara-Beatrice Vilceanu	WebGIS Solution for Urban Planning Strategies	Qiao, Z., Mu, C., Sun, J.	CICTP 2020: Advanced Transportation Technologies and Development-Enhancing Connections - Proceedings of the 20th COTA International Conference of Transportation Professionals pp. 3101-3106, 2020	SCOPUS	3	1.33
9	Monitoring cultural heritage sites affected by geohazards	Vilceanu, C.-B. , Herban, S., Alionescu, A., Muşat, C.	Processing of environmental data using digital terrain models for the western part of Romania	Themistocleous, K., Danezis, C.	Proceedings of SPIE - The International Society for Optical Engineering, 10790,1079009, 2018	SCOPUS	4	1.00
10	Best practices for monitoring, mitigation, and preservation of cultural heritage sites affected by geo-hazards: The results of the PROTHEGO project	Vilceanu, C.-B. , Herban, S., Alionescu, A., Muşat, C.	Processing of environmental data using digital terrain models for the western part of Romania	Themistocleous, K., Danezis, C., Frattini, P., Crosta, G., Valagussa, A.	Proceedings of SPIE - The International Society for Optical Engineering, 10773,107730Z, 2018	SCOPUS	4	1.00
11	Low cost cultural heritage digital documentation	Vilceanu, C.B. , Herban, I.S., Grecea, C.	Creating 3D models of heritage objects using photogrammetric image processing	Dimen, L., Borşan, T., Găban, L.V.	International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 17(23), pp. 171-178, 2017	SCOPUS	3	1.33
12	Mathematical and statistical models for determining the crop load in grapevine	Vilceanu, C.B. , Herban, I.S., Grecea, C.	Creating 3D models of heritage objects using photogrammetric image processing	Alina, D., Alin, D., Eleonora, N., (...), Marius, B., Florin, S.	AIP Conference Proceedings 1738,350007, 2016	SCOPUS	3	1.33

Universitatea Politehnica Timisoara

Departamentul CCTFC

Comisia: INGINERIE GEOLOGICĂ, INGINERIE GEODEZICĂ, MINE, PETROL ȘI GAZE

3.2 Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale si Profesor invitat (exclusiv Erasmus)

3.2.1 Internationale

Nr. Crt	Manifestarea	Anul Luna Locul	Indicator realizat
			10.00
1	Summer School on Hydrology and Geology in Iceland	Reykjavik University during the Summer School on Hydrology and Geology, Iceland, 27 July to 3 August 2019	10.00

3.2.2 Nationale

Nr. Crt	Manifestarea	Anul Luna Locul	Indicator realizat
			0.00

Universitatea Politehnica Timisoara

Departamentul CCTFC

Comisia: INGINERIE GEOLOGICĂ, INGINERIE GEODEZICĂ, MINE, PETROL ȘI GAZE

3.3 Membru in colectivele de radactie sau comitetele stiintifice si manifestarilor stiintifice, organizator de manif stiintifice , recenzor pentru reviste si manifestari stiintifice nationale si internationale

3.3.1 ISI

Nr. Crt	Manifestarea/ Revista / Rolul	Anul/ Locul	Indicator realizat
			40.00
1	Recenzor Journal of Surveying Engineering, American Society of Civil Engineering	Recenzii pentru diferite articole	10
2	Recenzor Mitigation and Adaptation Strategies for Global Change	Recenzii pentru diferite articole	10
3	Recenzor jurnale MDPI	Recenzii pentru diferite articole	10
4	Recenzor Journal of Computational Design and Engineering	Recenzii pentru diferite articole	10

3.3.2 BDI

Nr. Crt	Manifestarea	Anul Luna Locul	Indicator realizat
			6.00
1	Recenzor Bulletin of University of Agricultural Science and Veterinary Medicine Cluj Napoca	Recenzii pentru diferite articole	6

3.3.3 Nationale si internationale neindexate

Nr. Crt	Manifestarea	Anul Luna Locul	Indicator realizat
			0.00

3.4 Experienta de management

3.4.1 Conducere

Nr. Crt	Pozitia / nivelul	Perioada	Nr ani	Indicator realizat
				10.00
1	Șef Oficiul de Consiliere a Studeților din Facultatea de Construcții	2020-prezent	2	10
				0
				0

3.4.2 Membru

Nr. Crt	Pozitia / nivelul	Perioada	Nr ani	Indicator realizat
				0.00
				0
				0

Universitatea Politehnica Timisoara

Departamentul CCTFC

Comisia: INGINERIE GEOLOGICĂ, INGINERIE GEODEZICĂ, MINE, PETROL ȘI GAZE

3.5 Premii

Premii nationale in domeniu

Nr. Crt	Premiu	Anul	Indicator realizat
			0.00

Universitatea Politehnica Timisoara

Departamentul CCTFC

Comisia: INGINERIE GEOLOGICĂ, INGINERIE GEODEZICĂ, MINE, PETROL ȘI GAZE

3.6 Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenenta la organizatii din domeniul educatiei si cercetarii

3.6.3 Conducere asociatii profesionale nationale

Nr. Crt.	Denumire asociatie	Calitate/ anul	Indicator realizat
----------	--------------------	----------------	--------------------

3.6.4 .1 Asociatii profesionale internationale

Nr. Crt.	Denumire asociatie	Membru/ anul	Indicator realizat
----------	--------------------	--------------	--------------------

3.6.4 .2 Asociatii profesionale nationale

Nr. Crt.	Denumire asociatie	Membru/ anul	Indicator realizat
			10
1	Uniunea Geodezilor din Romania	Membru - 2016	5
2	SRGF - Societatea Romana de Geotehnica si Fundatii	Membru - 2010	5

3.6.5 Consilii si organizatii in domeniul educatiei si cercetarii

Nr. Crt.	Denumire organizatie	Calitate/ anul	Indicator realizat
			0.00

Director Departament CCTFC
Prof. dr. ing. Florin BELC

Candidat Ș.l.dr.ing.ec. Clara - Beatrice VÎLCEANU