UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE CONSTRUCŢII ŞI INSTALAŢII
DEPARTAMENTUL DE MECANICA STRUCTURILOR

FIŞA DE VERIFICARE

a îndeplinirii standardelor minimale naţionale necesare şi obligatorii pentru
CONFERIREA ATESTATULUI DE ABILITARE
Comisia 6 – Inginerie Civilă şi Management

Conf.univ.dr.ing. **Ionuţ-Ovidiu TOMA**

Instituţia: Universitatea Tehnică “Gheorghe Asachi” din Iaşi

Structura activității candidatului

Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii / activități	Punctaj realizat
Activitatea didactică și profesională (A1)	1.1. Cărți, cursuri universitare și capitole în cărți de specialitate	1.1.1. Cărți, cursuri universitare / capitole ca autor (**minim 2**)	1.1.1.1. internațional	-
			1.1.1.2. național (**Realizări – 3**)	**85,50**
		1.1.2. Cărți, cursuri universitare / capitole de cărți ca editor / coordonator	1.1.2.1. internațional (**Realizări – 1**)	**20,80**
			1.1.2.2. național	-
	1.2. Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, ERASMUS, Socrates, etc.)	Punctaj unic, egal cu unitatea, pentru fiecare activitate (**maxim 10**)	**Realizări – 5**	**5,00**
Activitatea de cercetare (A2)	2.1. Articole în reviste cotate ISI Thomson Reuters (Clarivate Analytics) și în volume indexate ISI Proceedings	**Minim 8** articole pentru Profesor – dintre acestea **minim 2** în **reviste cu FI > 1,0** şi **minim 2** în **reviste cu FI > 0,5**	**Realizări: = 36** **24 articole** în reviste **FI > 1,0** **3 articole** în reviste **FI > 0,5** 9 articole în volume indexate ISI Proceedings	**564,83**

	Nota: Factorul de Impact (FI) al revistei este cel din anul publicării articolului			
	2.2. Articole în reviste și volumele unor manifestări științifice indexate în baze de date internaționale (SCOPUS, Wiley, Springer, Science Direct, IEEE, Proquest, EBSCO)	**Minimum 12** pentru profesor	**Realizări: = 43**	**224,3**
	2.3. Brevete de invenție înregistrate la OSIM sau WIPO		2.3.1. cotate ISI	-
			2.3.2. internaționale, necotate ISI	-
			2.3.3 naționale	-
	2.4. Granturi / Proiecte câștigate prin competiție ce finanțează activități de cercetare	2.4.1. Director (pentru instituția coordonatoare) / responsabil (pentru instituția parteneră) – **Minimum 2** pentru Profesor	2.4.1.1. internaționale	-
			2.4.1.2. naționale **Realizări – 2**	**70**
		2.4.2. Membru în echipa de implementare a grantului	2.4.2.1. internaționale **Realizări – 3**	**55**
			2.4.2.2. naționale **Realizări – 4**	**30**
		2.4.3. Responsabil de contracte/proiecte de cercetare/consultanță	2.4.3.1. internaționale	**-**
			2.4.3.2. naționale	**-**
		2.5. Responsabil cu proiecte de cercetare / consultanță	-	-
Recunoaștere și impactul activității (A3)	3.1. Citări în reviste ISI și BDI și în volumele conferințelor ISI și BDI	**Minim 15** citări pentru Profesor	**202** citări în reviste ISI	**1659,59**
			7 citări în conferințe ISI	**5,57**
			20 citări în reviste BDI	**8,03**
			15 citări în conferințe BDI	**6,43**

	3.2. Prezentări invitate în plenul unor manifestări științifice naționale și internaționale (keynote speaker) și profesor invitat pentru a ține module de curs / prelegeri (exclusiv ERASMUS)	Punctaj unic pentru fiecare activitate **Maxim 10** activități pentru Profesor	3.2.1. internaționale **Realizări – 1**	**10**
			3.2.2. naționale	-
	3.3. Membru în colective de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice; Recenzor pentru reviste și manifestări științifice	Punctaje unice pentru fiecare categorie, ce se acordă numai dacă sunt îndeplinite următoarele cerințe minimale: 3.3.1. – **minim 2 colective de redacție** și **minimum 8 recenzii** 3.3.2. – **minim 2 colective de redacție** și **minimum 8 recenzii** 3.3.3. – **minim 2 colective de redacție** și **minimum 12 recenzii** Pentru reviste, comitete științifice și manifestări științifice internaționale, valorile minime specificare se împart la 2	3.3.1. Membru în colective de redacție sau recenzor pentru reviste cotate ISI **Realizări: 2 comitete editoriale 15 reviste 291 recenzii**	**10**
			3.3.2. Membru în colective de redacție sau recenzor pentru reviste cotate BDI **Realizări: 2 comitete editoriale 6 reviste 13 recenzii**	**6**
			3.3.3. Membru în comitete științifice, organizator sau recenzor pentru manifestări științifice **Realizări: 21 comitete științifice 103 recenzii**	**4**
	3.4. Experienţă de management universitar sau de cercetare		3.4.1. Funcţii de conducere (prorector, director de departament)	**50**

			3.4.2. Membru în organisme de conducere (senat, consiliul facultăţii)	**36**

Condiţii Minimale

Nr.crt.	Domeniul de activitate	Condiţii Profesor	Punctaj realizat
1	Activitatea didactică / profesională (**A1**)	Minim 70 pct.	**106,30**
2	Activitatea de cercetare (**A2**)	Minim 300 pct.	**944,13**
3	Recunoaştere şi impactul activităţii (**A3**)	Minim 80 pct.	**1795,62**
TOTAL		**Minim 450 pct.**	**2846,05**

DETALIERE INDICATORI

Activitate didactică/profesională (A1)

1.1. Cărți, cursuri universitare și capitole în cărți de specialitate:

1.1.1. Cărți, cursuri universitare / capitole ca autor

Nr crt	Subcategorii (Național / Internațional)	Rezultate (punctaje)	Cărți de specialitate/Capitole de cărți (autori, titlul, nr. pagini, Editura, ISBN)	Nr pagini
1	*Național*	*20,8*	VRABIE Mihai, IBĂNESCU Mihaela, **TOMA Ionuț-Ovidiu**, BĂETU Sergiu-Andrei, CHIȚAN Violeta-Elena *Rezistența materialelor. Culegere de probleme.- Ediție bilingvă româno-engleză,* Ed. Societății Academice "Matei-Teiu Botez ", Iași, ISBN 978-606-582-135-4 (2018)	*520*
2	*Naţional*	*25*	IBĂNESCU Mihaela, **TOMA Ionuţ-Ovidiu** *Strength of Materials – Advanced,* Ed. Societăţii Academice „Matei Teiu Botez", ISBN: 978-606-972-046-3 (2013)	*250*
3	*Naţional*	*39,7*	MURĂRAŞU Vasile, **TOMA Ionuţ-Ovidiu** *Strength of Materials – Fundamentals,* Ed. StudIS, ISBN: 978-606-624-553-1 (2013)	*397*
	TOTAL	**85,5**		

1.1.2. Cărți, cursuri universitare / capitole ca editor / coordonator

Nr crt	Subcategorii (Național / Internațional)	Rezultate (punctaje)	Cărți de specialitate/Capitole de cărți (autori, titlul, nr. pagini, Editura, ISBN)	Nr pagini
1	*Internaţional*	*20,8*	CORBU Ofelia-Cornelia, **TOMA Ionuț-Ovidiu** *Recent Progress in Sustainability and Duraqbility of Concrete and Mortar Composites,* MDPI, Special Issue - Coatings, Basel, ISBN 978-3-7258-0716-1 (PDF), 2024, https://doi.org/10.3390/books978-3-7258-0716-1	*312*
	TOTAL	**20,8**		

1.2. Coordonare de programe de studii, organizare şi coordonare programe de formare continuă şi proiecte educaţionale (POS, Socrates, Leonardo, ş.a.)

Nr crt	Rezultate (punctaje)	Denumire Program	Tip Program
1	1	Universitatea Tehnică RWTH Aachen, D AACHEN01	ERASMUS
2	1	Kasetsart University, Bangkok, Tailanda	ERASMUS
3	1	International University VNU-HCM	ERASMUS
4	1	Construcții Civile, Industriale și Agricole (CCIA), Facultatea de Construcții și Instalații, Program de studii universitare de licență	Licență
5	1	Structural Engineering (SE), Facultatea de Construcții și Instalații, Program de studii universitare de master	Master
TOTAL	**5**		

Activitate de cercetare (A2)

2.1. Articole în reviste cotate ISI Thomson (Clarivate Analytics) și în volume indexate ISI Proceedings

2.1.1. Articole în reviste cotate ISI Thomson (Clarivate Analytics)

Nr crt	Rezultate (punctaje)	Autori, titlul lucrării, revista, pag (de la – pana la), vol., WOS	FI	Quartila
1	*14,50*	TIBA Fabian-Leonard, ENŢUC Ioana-Sorina, RUANE Kieran, MIHAI Petru, OLTEANU Ioana, **TOMA Ionut-Ovidiu**, Experimental and Numerical Investigations on the Flexural Behavior of Reinforced Rubberized Concrete Beams with Different Longitudinal Reinforcement Ratios, MDPI Buildings, 2026, Vol. 16, No. 2, Id. 410, F.I. = 3,1 (2024), ISSN: 2075-5309 https://doi.org/10.3390/buildings16020410 WOS:001670821100001	3,1	Q2
2	*37,00*	BUNEA Georgiana, LEON Florin, **TOMA Ionuţ-Ovidiu**, Machine learning approach in the quantitative evaluation of the seismic behaviour for 3D reinforced concrete frame structures, ELSEVIER Structures, 2025, Vol. 80, Id. 109750, F.I. = 4,3 (2024), ISSN: 2352-0124 https://doi.org/10.1016/j.istruc.2025.109750 WOS:001540614000001	4,3	Q1
3	*11,12*	MARCOIE Nicolae, **TOMA Ionuţ-Ovidiu**, CHIHAIA Serban, HRANICIUC Tomi-Alexandrel, TOMA Daniel, BALAN Catalin-Dumitrel, DRAGOI Elena Niculina, NECHITA Mircea-Teodor, Anthropogenic River Segmentation Case Study: Bahlui River from Romania, MDPI Hydrology, 2025, Vol. 12, No. 9, Id. 224, F.I. = 3,2 (2024), ISSN: 2306-5338 https://doi.org/10.3390/hydrology12090224 WOS:001579979600001	3,2	Q2
4	*17,80*	BANU Oana-Mihaela, ALEXA-STRATULAT Sergiu-Mihai, MATHE Aliz-Eva, BRANDO Giuseppe, **TOMA Ionuţ-Ovidiu**, Characterization of Self-Compacting Concrete at the Age of 7 Years Using Industrial Computed Tomography, MDPI Materials, 2025, Vol. 18, No. 19, Id. 4524, F.I. = 3,2 (2024), ISSN: 1996-1944 https://doi.org/10.3390/ma18194524 WOS:001593798300001	3,2	Q2
5	*26,42*	ALEXA-STRATULAT Sergiu-Mihai, ŢĂRANU George, TOMA Ana-Maria, OLTEANU Ioana, PASTIA Cristian, BUNEA Georgiana, **TOMA Ionuţ-Ovidiu**, Effect of expanded perlite aggregates and temperature on the strength and dynamic elastic properties of cement mortar, ELSEVIER Construction and Building Materials, 2024, Vol. 438, Id. 137229, F.I. = 8,0 (2024), ISSN: 0950-0618 https://doi.org/10.1016/j.conbuildmat.2024.137229 WOS: 001261128400001	8,0	Q1

6	*12,75*	EL KHOURI Imad, GARCIA Reyes, MIHAI Petru, BUDESCU Mihai, TARANU Nicolae, **TOMA Ionuţ-Ovidiu**, GUADAGNINI Maurizio, ESCOLANO-MARGARIT David, ENTUC Ioana Sorina, OPRISAN Gabriel, HAJIRASOULIHA Iman, PILAKOUTAS Kypros, Behaviour of short columns made with conventional or FRP-confined rubberised concrete: An experimental and numerical investigation, ELSEVIER Engineering Structures, 2024, Vol. 307, Id. 117885, F.I. = 6,4 (2024), ISSN: 1873-7323 https://doi.org/10.1016/j.engstruct.2024.117885 WOS:001218277600001	*6,4*	*Q1*
7	*26,42*	BUNEA Georgiana, **TOMA Ionuţ-Ovidiu**, ALEXA-STRATULAT Sergiu-Mihai, MIHAI Petru, CIMPOEŞU Nicanor, ISTRATE Bogdan, STOIAN George, Assessing the effect of adding TiO2 and calcined montmorillonite clay nanoparticles on the mechanical properties of cement mortar, ELSEVIER Construction and Building Materials, 2024, Vol. 413, Id. 134910, F.I. = 8,0 (2024), ISSN: 0950-0618 https://doi.org/10.1016/j.conbuildmat.2024.134910 WOS:001157352200001	*8,0*	*Q1*
8	*11,57*	ALEXA-STRATULAT Sergiu-Mihai, OLTEANU Ioana, TOMA Ana-Maria, PASTIA Cristian, BANU Oana-Mihaela, CORBU Ofelia-Cornelia, **TOMA Ionuţ-Ovidiu**, The Use of Natural Zeolites in Cement-Based Construction Materials—A State of the Art Review, MDPI Coatings, 2024, 14(1), 18, F.I. = 2,8 (2024), eISSN: 2079-6412 https://doi.org/10.3390/coatings14010018 WOS:001148874600001	*2,8*	*Q2*
9	*16,60*	CORBU Ofelia, PUSKAS Attila, DRAGOMIR Liviu-Mihai, HAR Nicolae, **TOMA Ionuţ-Ovidiu**, Eco-Innovative Concrete for Infrastructure Obtained with Alternative Aggregates and a Supplementary Cementitious Material (SCM), S.I. Recent Progress in Sustainability and Durability of Concrete and Mortar Composites, MDPI Coatings, 2023, 13(10), 1710, F.I. = 2,9 (2023), eISSN: 2079-6412 https://doi.org/10.3390/coatings13101710 WOS:001119522800001	*2,9*	*Q2*
10	*14,50*	**TOMA Ionuţ-Ovidiu**, STOIAN George, RUSU Marius-Mihai, ARDELEAN Ioan, CIMPOEŞU Nicanor, ALEXA-STRATULAT Sergiu-Mihai, Analysis of Pore Structure in Cement Pastes with Micronized Natural Zeolite, S.I. Durability Studies on the Concrete and Related Composites, MDPI Materials, 2023, 16(13), 4500, F.I. = 3,1 (2023), eISSN: 1996-1944 https://doi.org/10.3390/ma16134500 WOS:001028592200001	*3,1*	*Q2*

11	*20,75*	BUNEA Georgiana, ALEXA-STRATULAT Sergiu-Mihai, MIHAI Petru, **TOMA Ionuţ-Ovidiu**, Use of Clay and Titanium Dioxide Nanoparticles in Mortar and Concrete—A State-of-the-Art Analysis, MDPI-Coatings, S.I. Recent Progress in Sustainability and Durability of Concrete and Mortar Composites, MDPI Coatings, 2023, 13(3), 506, F.I. = 2,9 (2023), eISSN: 2079-6412 https://doi.org/10.3390/coatings13030506 WOS:000958133200001	*2,9*	*Q2*
12	*15,50*	ALEXA-STRATULAT Sergiu-Mihai, STOIAN George, GHEMEŞ Iulian-Adrian, TOMA Ana-Maria, COVATARIU Daniel, **TOMA Ionuț-Ovidiu**, Effect of a New Multi-Walled CNT (MWCNT) Type on the Strength and Elastic Properties of Cement Based Mortar, MDPI-Coatings, S.I. Recent Progress in Sustainability and Durability of Concrete and Mortar Composites, MDPI Coatings, 2023, 13(3), 492, F.I. = 2,9 (2023), eISSN: 2079-6412 https://doi.org/10.3390/coatings13030492 WOS:000955791100001	*2,9*	*Q2*
13	*23,16*	ŢĂRANU George, UNGUREANU Viorel, NAGY Zsolt, ALEXA-STRATULAT Sergiu-Mihai, **TOMA Ionuţ-Ovidiu**, LUCA Septimiu-George, Shake table test and numerical analyses of a thin-walled Cold-Formed Steel structure: Part 1 — Investigation of the structural skeleton without claddings, ELSEVIER - Thin Walled Structures, 2023, Vol. 182, Part B, ID. 110258, F.I. = 5,7 (2023), eISSN: 1879-3223 https://doi.org/10.1016/j.tws.2022.110258 WOS:000884835600002	*5,7*	*Q1*
14	*46,50*	CORBU Ofelia-Cornelia, **TOMA Ionuț-Ovidiu**, Progress in Sustainability and Durability of Concrete and Mortar Composites, MDPI – Coatings, S.I. Recent Progress in Sustainability and Durability of Concrete and Mortar Composites, 2022, Vol. 12, No. 7, Id. 1024, F.I. = 3,4 (2022), eISSN: 2079-6412 https://doi.org/10.3390/coatings12071024 WOS: 000831422300001	*3,4*	*Q2*
15	*17,16*	ALEXA-STRATULAT Sergiu-Mihai, COVATARIU Daniel, TOMA Ana-Maria, ROTARU Ancuța, COVATARIU Gabriela, **TOMA Ionuț-Ovidiu**, Influence of a Novel Carbon-Based Nano-Material on the Thermal Conductivity of Mortar, MDPI Sustainability, 2022, Vol. 14, No. 13, Id. 8189; F.I. = 3,9 (2022), eISSN: 2071-1050 https://doi.org/10.3390/su14138189 WOS: 000824177300001	*3,9*	*Q2*

16	*20,60*	ŢĂRANU George, VENGHIAC Vasile-Mircea, OLTEANU-DONȚOV Ioana, ROTARU Ancuța, **TOMA Ionuț-Ovidiu**, Sustainable Design for CFS Structures: Experimental Data and Numerical Models of Hinged Connections, MDPI Sustainability, 2022, Vol. 14, No. 13, Id. 7813; F.I. = 3,900 (2022), eISSN: 2071-1050 https://doi.org/10.3390/su14137813 WOS: 000823984600001	*3,9*	*Q2*
17	*16,35*	**TOMA Ionuț-Ovidiu**, ALEXA-STRATULAT Sergiu-Mihai, MIHAI Petru, TOMA Ana-Maria, ŢĂRANU George, Experimental Investigations on the Long Term Material Properties of Rubberized Portland Cement Concrete, MDPI Applied Scieces, 2021, Vol. 11, No. 22, Id. 10868; F.I. = 2,838 (2021), eISSN: 2076-3417 https://doi.org/10.3390/app112210868 WOS: 000725734600001	*2,838*	*Q2*
18	*16,35*	ALEXA-STRATULAT Sergiu-Mihai, MIHAI Petru, TOMA Ana-Maria, ŢĂRANU George, **TOMA Ionuț-Ovidiu**, Influence of Concrete Strength Class on the Long-Term Static and Dynamic Elastic Moduli of Concrete, MDPI Applied Sciences, 2021, Vol. 11, No. 24, Id. 11671; F.I. = 2,838 (2021), eISSN: 2076-3417 https://doi.org/10.3390/app112411671 WOS: 000735845200001	*2,838*	*Q2*
19	*45,74*	ŢĂRANU George, **TOMA Ionuț-Ovidiu**, Experimental Investigation and Numerical Simulation of C-Shape Thin-Walled Steel Profile Joints, MDPI Buildings, 2021, Vol. 11, No. 12, Id. 636; F.I. = 3,324 (2021), eISSN: 2075-5309 https://doi.org/10.3390/buildings11120636 WOS: 000742698000001	*3,324*	*Q2*
20	*18,97*	ANCAŞ Diana-Ana, AȘCHILEAN Ioan, PROFIRE Mihai, **TOMA Ionuț-Ovidiu**, System for Increasing the Seismic Safety of Pipelines in the Water Supply and Distribution Networks, MDPI Water, 2019, Vol. 11, No. 5, Id. 1049; F.I. = 2,544 (2019), eISSN: 2073-4441 https://doi.org/10.3390/w11051049 WOS:000472680400179	*2,544*	*Q2*
21	*6,93*	OPRIȘAN Gabriel, ENȚUC Ioana-Sorina, MIHAI Petru, **TOMA Ionuț-Ovidiu**, ŢĂRANU Nicolae, BUDESCU Mihai, MUNTEANU Vlad, Behaviour of Rubberized Concrete Short Columns Confined by Aramid Fibre Reinforced Polymer Jackets Subjected to Compression, Advances in Civil Engineering, ISSN: 1687-8086, Vol. 2019, Article ID. 1360620, F.I. = 1,176 (2019) https://doi.org/10.1155/2019/1360620 WOS:000460208600001	*1,176*	*Q3*

22	*6,21*	**TOMA Ionuț-Ovidiu**, ŢĂRANU Nicolae, BANU Oana-Mihaela, BUDESCU Mihai, MIHAI Petru, ȚĂRAN Rareș-George, The Effect of the Aggregate Replacement by Waste Tyre Rubber Crumbs on the Mechanical Properties of Concrete, Romanian Journal of Materials, ISSN: 1583-3186, vol. 45(4), p. 394-401, F.I. = 0,612 (2015) WOS:000367029800013	*0,612*	*Q4*
23	*6,21*	BUDESCU Mihai, MIHAI Petru, ŢĂRANU Nicolae, LUNGU Irina, BANU Oana-Mihaela, **TOMA Ionuț-Ovidiu**, Establishing The Complete Characteristic Curve Of Concrete Loaded In Compression, Romanian Journal of Materials, ISSN: 1583-3186, vol. 45(1), p. 43-54, F.I. = 0,612 (2015) WOS:000352755800006	*0,612*	*Q4*
24	*25,45*	BĂRBUȚĂ Marinela, **TOMA Ionuț-Ovidiu** Experimental Evaluation of Strength and Elastic Properties of Polymer Concrete with Different Volumes of Volcanic Tuff Acting as Filler, ASCE Journal of Materials in Civil Engineering, ISSN: 1943-5533, vol 27(6), F.I. = 1,295 (2015) https://doi.org/10.1061/(ASCE)MT.1943-5533.0001155 WOS:000354552400018	*1,295*	*Q2*
25	*7,15*	COVATARIU Daniel, LUNGU Irina, ŢĂRANU Nicolae, BUDESCU Mihai, **TOMA Ionuț-Ovidiu**, The influence of joints rehabilitation on structural response of masonry with low-strength mortars, Romanian Journal of Materials, ISSN: 1583-3186, vol. 43(3), p. 251-262, F.I. = 0,538 (2013) WOS:000324848100003	*0,538*	*Q4*
26	*14,06*	**TOMA Ionuț-Ovidiu**, COVATARIU Daniel, TOMA Ana-Maria, ŢĂRANU George, BUDESCU Mihai, Strength and elastic properties of mortars with various percentages of environmentally sustainable mineral binder, ELSEVIER Construction and Building Materials, ISSN: 0950-0618, vol. 43, p. 348-361, F.I. = 2,265 (2013) https://doi.org/10.1016/j.conbuildmat.2013.02.061 WOS:000319232900037	*2,265*	*Q1*
27	*10,32*	BĂRBUȚĂ Marinela, **TOMA Ionuț-Ovidiu**, HARJA Maria, TOMA Ana-Maria, GAVRILOAIA Constantin, Behavior of short polymer-high strength concrete columns under eccentric compression, Archives of Civil and Mechanical Engineering, ISSN: 1644-9665, vol. 13, no. 1, p. 119-127, F.I. = 1,331 (2013) http://dx.doi.org/10.1016/j.acme.2012.10.004 WOS:000314448200016	*1,331*	*Q2*
TOTAL:	**506,09**			

2.1.2. Articole în volume indexate ISI Proceedings (Clarivate Analytics)

Nr crt	Rezultate (punctaje)	Autori, titlul lucrării, revista, pag (de la – pana la), vol., WOS
1	*5,00*	**TOMA Ionuț-Ovidiu**, BANU Oana-Mihaela, ŢĂRAN Rareș-George, BUDESCU Mihai, ŢĂRANU Nicolae, Effects of Post-Consumer Tyre Rubber on the Mechanical Properties of Mortars, Energy and Clean Technologies, vol II, ISBN 978-619-7105-16-2, p. 73-78, SGEM2014 – 14th International Multidisciplinary Scientific GeoConference, 17-26 iunie 2014, Albena, Bulgaria WOS:000371090000010
2	*5,00*	**TOMA Ionuț-Ovidiu**, BUDESCU Mihai, TOMA Ana-Maria, PASTIA Cristian, LUCA Septimiu-George, Influence of Gypsum-Based Cementitious Materials on the Early Age Strength Characteristics of Mortars, Energy and Clean Technologies, vol II, ISBN 978-619-7105-16-2, p. 103-110, SGEM2014 – 14th International Multidisciplinary Scientific GeoConference, 17-26 iunie 2014, Albena, Bulgaria WOS:000371090000014
3	*8,33*	TOMA Ana-Maria, ATANASIU Gabriela-Maria, **TOMA Ionuț-Ovidiu**, Seismic Risk Evaluation of Typical Residential Buildings of Romanian Urban Areas – GIS Based Tool for the City of Iasi, Science and Technologies in Geology, Exploration and Mining, vol. I, ISBN: 978-619-7105-07-0, p. 581-588, SGEM2014 – 14th International Multidisciplinary Scientific GeoConference, 17-26 iunie 2014, Albena, Bulgaria WOS: 000371300500076
4	*6,25*	LUCA Septimiu-George, PASTIA Cristian, **TOMA Ionuț-Ovidiu**, BUDESCU Mihai, Control Strategies for Seismic Energy Dissipation, Science and Technologies in Geology, Exploration and Mining, vol. I, ISBN: 978-619-7105-07-0, p. 435-442, SGEM2014 – 14th International Multidisciplinary Scientific GeoConference, 17-26 iunie 2014, Albena, Bulgaria WOS:000371300500058
5	*8,33*	PASTIA Cristian, LUCA Septimiu-George, **TOMA Ionuț-Ovidiu**, Effect of Semi-Active TMD to Control Vibrations of a 3 Storey Building, Science and Technologies in Geology, Exploration and Mining, vol. I, ISBN: 978-619-7105-07-0, p. 443-450, SGEM2014 – 14th International Multidisciplinary Scientific GeoConference, 17-26 iunie 2014, Albena, Bulgaria WOS:000371300500059
6	*6,25*	**TOMA Ionuț-Ovidiu**, COVATARIU Daniel, LUNGU Irina, BUDESCU Mihai, Evaluation of the Load Carrying Capacity of Short RC Columns Strengthened with a Novel Cementitious Material by Using FEA, Advanced Engineering Forum, ISSN: 2234-9898, vol. 8-9, p. 343-352, 2013 https://doi.org/10.4028/www.scientific.net/AEF.8-9.343 WOS: 000323184000039

7	*5,00*	COVATARIU Daniel, BUDESCU Mihai, ȚĂRANU Nicolae, LUNGU Irina, **TOMA Ionuț-Ovidiu**, Procedures and Techniques Used to Increase the Durability of Weak Masonries with Clay Mortars, Advanced Engineering Forum, ISSN: 2234-9898, vol. 8-9, p. 243-250, 2013 http://dx.doi.org/10.4028/www.scientific.net/AEF.8-9.243 WOS: 000323184000027
8	*6,25*	**TOMA Ionuț-Ovidiu**, ȚĂRANU George, TOMA Ana-Maria, BUDESCU Mihai, Influence of Cement and Sand Type on the Strength Characteristics of Mortars with Various Contents of Green Binder, 2011 International Conference On Green Buildings And Sustainable Cities, Procedia Engineering, ISSN: 1877-7058, vol. 21, 196-203, 2011 https://doi.org/10.1016/j.proeng.2011.11.2004 WOS: 000300505700025
9	*8,33*	MIKI Tomohiro, **TOMA Ionuț-Ovidiu**, NIWA Junichiro, Experimental Study on the Shear Capacity of Randomly-Cracked Longitudinally-Reinforced FRC Beams, 6th International Conference on Fracture Mechanics of Concrete and Concrete Structures, Vol. 2 (Design, Assessment and Retrofitting of Concrete Structures), ISBN: 978-0-415-44066-0, p. 701-709, 2007 WOS: 000252133100086
TOTAL:	**58,74**	

2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (SCOPUS, WILEY, SPRINGER, Science Direct, IEEE, Engineering Village, ProQuest, EBSCO)

Nr crt	Rezultate (punctaj)	Titlul lucrarii, autorii, revista, pag (de la – pana la), vol….,	Anul Publicării
1	6,66	BUNEA Georgiana, **TOMA Ionuț-Ovidiu**, MIHAI Petru, Structural Behavior of RC Frame Buildings Modified with Bentonite and TiO2 Nanomaterials, 18th International Conference on Computational Civil Engineering (CCE 2025) Journal of Physics: Conference Series, Vol. 3071, No. 1, Id. 012004 https://doi.org/10.1088/1742-6596/3071/1/012004 SCOPUS ID: 2-s2.0-105014764594	2025
2	5,00	BUNEA Georgiana, **TOMA Ionuț-Ovidiu**, ALEXA-STRATULAT Sergiu-Mihai, MIHAI Petru Thermal Conductivity of Cement Mortar Modified with Titanium Dioxide and Bentonite Nanoparticles – Comparative Analysis, 17th International Conference on Interdisciplinarity in Engineering (INTER-ENG 2023), Lecture Notes in Networks and Systems, Vol. 929 LNNS, p. 156-169, ISBN 978-303154663-1 https://doi.org/10.1007/978-3-031-54674-7_11 SCOPUS ID: 2-s2.0-85190430550	2024

Nr crt	Rezultate (punctaj)	Titlul lucrarii, autorii, revista, pag (de la – pana la), vol….,	Anul Publicării
3	4,00	BUNEA Georgiana, **TOMA Ionuț-Ovidiu**, ALEXA-STRATULAT Sergiu-Mihai, CIMPOEȘU Nicanor, MIHAI Petru, Medium-Term Mechanical Properties of Cement Mortar Modified with Bentonite Nanoparticles, 17th International Conference on Interdisciplinarity in Engineering (INTER-ENG 2023), Springer Science and Business Media, Vol. 926 LNNS, p. 229-240, ISBN 978-303154663-1 https://doi.org/10.1007/978-3-031-54664-8_22 SCOPUS ID: 2-s2.0-85190684861	2024
4	4,00	ȚĂRANU George, VENGHIAC Vasile-Mircea, ROTARU Ancuța, OLTEANU Ioana, **TOMA Ionuț-Ovidiu**, Experimental Tests of T-Joints Made of Thin-Walled Cold-Formed Steel Profiles Assembled with Steel Rivets, International Conference on Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment, KNOW-RE-BUILT 2021, Springer Series in Geomechanics and Geoengineering, p. 219-227, ISBN 978-303143454-9 https://doi.org/10.1007/978-3-031-43455-6_20 SCOPUS ID: 2-s2.0-85200204759	2024
5	3,33	ALEXA-STRATULAT Sergiu-Mihai, COVATARIU Daniel, TOMA Ana-Maria, ROTARU Ancuța, COVATARIU Gabriela, **TOMA Ionuț-Ovidiu**, Assessment of Thermal Conductivity of Mortar with a Novel Carbon Based Nano-material, International Conference on Knowledge Transfer in the Sustainable Rehabilitation and Risk Management of the Built Environment, KNOW-RE-BUILT 2021, Springer Series in Geomechanics and Geoengineering, p. 243-251, ISBN 978-303143454-9 https://doi.org/10.1007/978-3-031-43455-6_22 SCOPUS ID: 2-s2.0-85200265250	2024
6	3,33	TARANU George, UNGUREANU Viorel, NAGY Zsolt, LUCA Septimiu-George, ALEXA-STRATULAT Mihai-Sergiu, **TOMA Ionuţ-Ovidiu**, Comparative Experimental Study on Improving Structural Performance of the Base Upright Profiles of Steel Storage Pallet Racks Under Operational Conditions, 4th International Conference on Coordinating Engineering for Sustainability and Resilience and the Midterm Conference of the COST Action CircularB on Implementation of Circular Economy in the Built Environment (CESARE 2024), Springer Science and Business Media, Vol. 489 LNCE, p. 116-125, 29-31.05.2024 https://doi.org/10.1007/978-3-031-57800-7_10 SCOPUS ID: 2-s2.0-85194028789	2024
7	4,00	**TOMA Ionuţ-Ovidiu**, ALEXA-STRATULAT Sergiu-Mihai, TOMA Ana-Maria, BUNEA Georgiana, TARANU George, Thermal Conductivity of Mortar With Expanded Perlite, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management (SGEM) 2023, Vol. 23, No. 6.1, p. 253-260. 3-9.07.2023, Albena	2023

Nr crt	Rezultate (punctaj)	Titlul lucrarii, autorii, revista, pag (de la – pana la), vol….,	Anul Publicării
		https://doi.org/10.5593/sgem2023V/6.1/s26.44 SCOPUS ID: 2-s2.0-85177859227	
8	4,00	**TOMA Ionuţ-Ovidiu**, OLTEANU Ioana, TARANU George, BANU Oana-Mihaela, ALEXA-STRATULAT Sergiu-Mihai, Early Age Mechanical Properties of Cement Based Mortar with Zeolite Aggregates, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management (SGEM-Vienna Green) 2022, Vol. 22, No. 6.2, p. 405-412. 6-8.12.2022, Viena https://doi.org/10.5593/sgem2022V/6.2/s26.52 SCOPUS ID: 2-s2.0-85159592602	2022
9	4,00	**TOMA Ionuţ-Ovidiu**, ALEXA-STRATULAT Sergiu-Mihai, TOMA Ana-Maria, MIHAI Petru, VENGHIAC Vasile-Mircea, Influence of Elevated Temperature on the Early Age Properties of Cement Mortar with Zeolite Powder, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management (SGEM-Vienna Green) 2022, Vol. 22, No. 6.2, p. 429-436. 6-8.12.2022, Viena https://doi.org/10.5593/sgem2022V/6.2/s26.55 SCOPUS ID: 2-s2.0-85159557709	2022
10	3,33	ŢĂRANU George, BUDESCU Mihai, BUNEA Georgiana, OLTEANU-DONŢOV Ioana, VENGHIAC Vasile-Mircea, **TOMA Ionuţ-Ovidiu**, Numerical Analysis of a Scaled-Down Cold-Formed Steel Structure Subjected to Seismic Actions, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. 68, Issue 4, p. 49-55 https://doi.org/10.2478/bipca-2022-0030	2022
11	6,66	ŢĂRANU George, **TOMA Ionuţ-Ovidiu**, ŢĂRANU Nicolae, Shake table test on 1:2 scale historical unreinforced masonry building, 1st Croatian Conference On Earthquake Engineering (CROCEE), 22-24 mart. 2021, Zegreb, Croatia https://doi.org/10.5592/co/1crocee.2021.20 EBSCO	2021
12	6,66	ŢĂRANU George, ŢĂRANU Nicolae, **TOMA Ionuţ-Ovidiu**, Shake Table test of a Structural Model made of Glass Fiber Reinforced Mineral Matrix Composite, 1st Croatian Conference On Earthquake Engineering (CROCEE), 22-24 mart. 2021, Zegreb, Croatia https://doi.org/10.5592/co/1crocee.2021.183 EBSCO	2021
13	3,33	**TOMA Ionuţ-Ovidiu**, ŢĂRANU George, MIHAI Petru, ŢĂRANU Nicolae, BUDESCU Mihai, ALEXA-STRATULAT Sergiu-Mihai, Shake-Table Tests to Assess the Behaviour of Structural Systems under	2021

Nr crt	Rezultate (punctaj)	Titlul lucrarii, autorii, revista, pag (de la – pana la), vol….,	Anul Publicării
		Seismic Excitations, 1st Croatian Conference On Earthquake Engineering (CROCEE), 22-24 mart. 2021, Zegreb, Croatia https://doi.org/10.5592/co/1crocee.2021.182 EBSCO	
14	2,85	**TOMA Ionuţ-Ovidiu**, ENŢUC Ioana-Sorina, PETCU Ozana-Adnana, ŢĂRANU Nicolae, MATHE Aliz-Eva, ŢĂRANU George, MIHAI Petru, Numerical Investigations on the Seismic Performance of a Scaled-Down RC Frame Structure Pre- and Post-Strengthening with Composite Membrane, 1st Croatian Conference On Earthquake Engineering (CROCEE), 22-24 mart. 2021, Zegreb, Croatia https://doi.org/10.5592/CO/1CroCEE.2021.179 EBSCO	2021
15	4,00	SOCOCOL Ion, **TOMA Ionuţ-Ovidiu**, MIHAI Petru, ŢĂRANU Nicolae, BUDESCU Mihai, An Alternative Approach to Improve the Capacity Design Concept for Moment Resisting Reinforced Concrete (RC) Frame Systems, 1st Croatian Conference On Earthquake Engineering (CROCEE), 22-24 mart. 2021, Zegreb, Croatia https://doi.org/10.5592/CO/1CroCEE.2021.189 EBSCO	2021
16	6,66	PETRESCU Tudor-Cristian, MIHAI Petru, **TOMA Ionuț-Ovidiu**, Tensile Testing of a Biocomposite Material – “Liquid Wood”, International Conference on Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment, CRIT-RE-BUILT 2019; Iași; Romania; 7-9.11.2019, Springer Series in Geomechanics and Geoengineering, ISBN: 978-3-030-61117-0, p. 249-253, 2021 https://doi.org/10.1007/978-3-030-61118-7_22 SCOPUS ID: 2-s2.0-85097431155	2021
17	6,66	COVATARIU Daniel, ALEXA-STRATULAT Sergiu-Mihai, **TOMA Ionuț-Ovidiu**, Improvements of Strength and Dynamic Elastic Characteristics of Mortars by Using Carbon Nano-tubes, International Conference on Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment, CRIT-RE-BUILT 2019; Iași; Romania; 7-9.11.2019, Springer Series in Geomechanics and Geoengineering, ISBN: 978-3-030-61117-0, p. 220-228, 2021 https://doi.org/10.1007/978-3-030-61118-7_19 SCOPUS ID: 2-s2.0-85097383948	2021
18	6,66	PETRESCU Tudor-Cristian, VOORDIJK Hans, **TOMA Ionuț-Ovidiu**, Then and now: construction management practices in Romania and the Netherlands, International Journal of Technology, Policy and Management, ISSN:1468-4322, Vol. 21, No. 2, p. 91-103, 2021	2021

Nr crt	Rezultate (punctaj)	Titlul lucrarii, autorii, revista, pag (de la – pana la), vol….,	Anul Publicării
		https://doi.org/10.1504/IJTPM.2021.10039676 SCOPUS ID: 2-s2.0-85111580932	
19	4,00	SOCOCOL Ion, MIHAI Petru, **TOMA Ionuț-Ovidiu**, OLTEANU-DONȚOV Ioana, VENGHIAC Vasile-Mircea, Stress-Strain Relation Laws for Concrete and Steel Reinforcement Used in Non-Linear Static Analytical Studies of the Moment Resisting Reinforced Concrete (RC) Frame Models Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. 67, Issue 1 (March 2021), pag. 21-29 https://doi.org/10.2478/bipca-2021-0002	2021
20	2,85	**TOMA Ionuţ-Ovidiu**, MIHAI Petru, VENGHIAC Vasile-Mircea, ȚĂRANU George, BĂETU Sergiu-Andrei, TOMA Ana-Maria, PETRESCU Tudor-Cristian, Numerical simulations of the seismic behavior of a damaged RC frame retrofitted with composite fabric, 17th World Conference on Earthquake Engineering proceedings (17WCEE), Id. 3f-0019, ISSN: 3006-5933 SCOPUS ID: 2-s2.0-105027896748	2021
21	2,85	PETCU Ozana-Adnana, **TOMA Ionuţ-Ovidiu**, MIHAI Petru, ENŢUC Ioana-Sorina, OPRIŞAN Gabriel, VENGHIAC Vasile-Mircea, ŢĂRANU George, Shake table tests on a damaged reinforced concrete frame structure strengthened with composite fabric, 17th World Conference on Earthquake Engineering proceedings (17WCEE), Id. 3f-0022, ISSN: 3006-5933 SCOPUS ID: 2-s2.0-105027866718	2021
22	6,66	ŢĂRANU George, MOGA Ligia-Mihaela, **TOMA Ionuţ-Ovidiu**, Energy Efficiency Monitoring of an Earth-Sheltered House After 4 Years of Use, International Conference Building Services and Energy Efficiency: Modernizing and increasing performance of Building Services, Iasi, Romania, 2-3.07.2020 p. 162-171 https://doi.org/10.2478/9788395720413-015 EBSCO	2020
23	2,85	TOMA Ana-Maria, TARANU George, NISHIDA Takahiro, MATHE Aliz Eva, CÂMPIAN Cristina-Mihaela, BACCAY Melito, **TOMA Ionuţ-Ovidiu**, Assessing the Seismic Performance of a R.C. Frame Structure by Numerical Simulations – An Efficient Tool for a Sustainable Future, International Conference Building Services and Energy Efficiency: Modernizing and increasing performance of Building Services, Iasi, Romania, 2-3.07.2020, p. 231-240 https://doi.org/10.2478/9788395720413-020 EBSCO	2020
24	4,00	SOCOCOL Ion, MIHAI Petru, **TOMA Ionuț-Ovidiu**, OLTEANU-DONȚOV Ioana, VENGHIAC Vasile-Mircea , The Influence of the RC Beams Cross Section on the Dissipative Seismic Response of a	2020

Nr crt	Rezultate (punctaj)	Titlul lucrarii, autorii, revista, pag (de la – pana la), vol….,	Anul Publicării
		Moment Resisting RC Frame System, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. 66(70), No. 4, p. 21-38, ISSN: 1224-3884, 2020 http://www.bipcons.ce.tuiasi.ro/Archive/739.pdf	
25	4,00	SOCOCOL Ion, MIHAI Petru, **TOMA Ionuț-Ovidiu**, VENGHIAC Vasile-Mircea, OLTEANU-DONȚOV Ioana, Influence of concrete strength class on the plastic hinges location for a reinforced concrete moment-resisting frame structure with consideration of the horizontal stiffening effect of the slab, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. 66(70), No. 2, p. 95-108, ISSN: 1224-3884, 2020 http://www.bipcons.ce.tuiasi.ro/Archive/728.pdf	2020
26	6,66	STRATULAT Sergiu-Mihai, BRADU Aurelia, **TOMA Ionuţ-Ovidiu**, Dynamic and Environmental Assessment of Self-Compacting Concrete, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. 66(70), No. 3, p. 27-40, ISSN: 1224-3884, 2020 http://www.bipcons.ce.tuiasi.ro/Archive/731.pdf	2020
27	4,00	ȚĂRANU George, BUNEA Georgiana, OLTEANU-DONȚOV Ioana, VENGHIAC Vasile-Mircea, **TOMA Ionuț-Ovidiu**, Stability Analysis of a Scaled-Down Cold-Formed Steel Structure, Computational Civil Engineering (CCE 2019), 30-31 mai, Iaşi, Romania, IOP Conf. Series: Materials Science and Engineering 586 (2019) 012029, https://doi.org/10.1088/1757-899X/586/1/012029 SCOPUS ID. 2-s2.0-85073561408	2019
28	5,00	PETRESCU Tudor-Cristian, BUDESCU Mihai, MIHAI Petru, **TOMA Ionuţ-Ovidiu**, A Holistic Approach to Structural Rehabilitation. A Study of the Metropolitan Cathedral Sections C1 & C2 in Iaşi, Romania, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. 64(68), No. 3, p. 53-62, ISSN: 1224-3884, 2018 http://www.bipcons.ce.tuiasi.ro/Archive/646.pdf	2018
29	4,00	**TOMA Ionuț-Ovidiu**, COVATARIU Daniel, TOMA Ana-Maria, ŢĂRANU George, BUDESCU Mihai Greening of Concrete Industry by Incorporating Gypsum-Based Industrial Wastes as Supplementary Cementitious Materials, enviBuild 2012 and Building Performance Simulation Conference 2012, Advanced Materials Research, ISSN: 1662-8985, vol. 649, p. 246-249, 2013 http://dx.doi.org/10.4028/www.scientific.net/AMR.649.246 SCOPUS ID. 2-s2.0-84873924477	2013
30	5,00	ŢĂRANU George, BUDESCU Mihai, PLEȘU Raluca, **TOMA Ionuț-Ovidiu**, A New Building System Made of Glass Fiber Reinforced Mineral Matrix Composites, enviBuild 2012 and Building	2013

Nr crt	Rezultate (punctaj)	Titlul lucrarii, autorii, revista, pag (de la – pana la), vol….,	Anul Publicării
		Performance Simulation Conference 2012, Advanced Materials Research, ISSN: 1662-8985, vol. 649, p. 225-28, 2013 http://dx.doi.org/10.4028/www.scientific.net/AMR.649.25 SCOPUS ID. 2-s2.0-84873909939	
31	6,66	COVATARIU Daniel, ȚĂRAN Rareș-George, **TOMA Ionuț-Ovidiu**, The Strengthening of the Damaged Historic Mansories by Using Special Mortars, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. LIX(LXIII), No. 3, p. 113-123, ISSN: 1224-3884, 2013 http://www.bipcons.ce.tuiasi.ro/Archive/382.pdf	2013
32	5,00	ŢĂRANU George, **TOMA Ionuț-Ovidiu**, PLEȘU Raluca, BUDESCU Mihai, Evaluation of Mechanical Performance of a New Glass Fiber Reinforced Matrix Composite, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. LVIII (LXII), No. 1, p. 113-124, ISSN: 1224-3884, 2012 http://www.bipcons.ce.tuiasi.ro/Archive/284.pdf	2012
33	5,00	**TOMA Ionuț-Ovidiu**, OLTEANU Ioana, TOMA Ana-Maria, BUDESCU Mihai, Plan Configuration Influence on Vulnerability of Reinforced Concrete Frame Structures in Seismic Areas, 4th International Conference on Advanced Materials and Systems – ICAMS2012, 27-29 Septembrie 2012, Bucureşti, Romania, p. 571-579, ISSN: 2068-0783 SCOPUS ID. 2-s2.0-84888241119	2012
34	5,00	**TOMA Ionuț-Ovidiu**, OLTEANU Ioana, TOMA Ana-Maria, BUDESCU Mihai, Influence of Curing Conditions on the Self Weight and Strength Characterisitcs of Eco-Mortars, 4th International Conference on Advanced Materials and Systems – ICAMS2012, 27-29 Septembrie 2012, Bucureşti, Romania, p. 199-205, ISSN: 2068-0783 SCOPUS ID. 2-s2.0-84888248275	2012
35	5,00	ŢĂRANU George, **TOMA Ionuț-Ovidiu**, PLEȘU Raluca, BUDESCU Mihai, Tensile Behavior of Glass Fiber Reinforced Cement Composite, 4th International Conference on Advanced Materials and Systems – ICAMS2012, 27-29 Septembrie 2012, Bucureşti, Romania, p. 181-187, ISSN: 2068-0783 SCOPUS ID. 2-s2.0-84888257433	2012
36	5,00	**TOMA Ionuț-Ovidiu**, COVATARIU Daniel, ŢĂRANU George, BUDESCU Mihai, Early-Age Mechanical Properties of Mortars with Different Percentages of Eco-Cement, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. LVII (LXI), No. 2, p. 155-166, ISSN: 1224-3884, 2011 http://www.bipcons.ce.tuiasi.ro/Archive/237.pdf	2011

Nr crt	Rezultate (punctaj)	Titlul lucrarii, autorii, revista, pag (de la – pana la), vol….,	Anul Publicării
37	6,66	COVATARIU Daniel, **TOMA Ionuț-Ovidiu**, BUDESCU Mihai, Experimental Investigation on Bonding Characteristics of Low-Strength Mortars Used to Repoint the Joints of the Damaged Historical Masonry Structures, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. LVII (LXI), No. 2, p. 59-68, ISSN: 1224-3884, 2011 http://www.bipcons.ce.tuiasi.ro/Archive/229.pdf	2011
38	5,00	ŢĂRANU George, **TOMA Ionuț-Ovidiu**, PLEȘU Raluca, GRĂDINARIU Ionuț, Experimental Evaluation of Mechanical Properties of Cement and Calcium Sulphate Mineral Matrix, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. LVII (LXI), No. 2, p. 131-140, ISSN: 1224-3884 http://www.bipcons.ce.tuiasi.ro/Archive/235.pdf	2011
39	10,00	**TOMA Ionuț-Ovidiu**, ATANASIU Gabriela-Maria, Modern Trends in Experimental Earthquake Engineering Research, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. LVI (LX), No. 4, p. 43-54, ISSN: 1224-3884, 2010 http://www.bipcons.ce.tuiasi.ro/Archive/200.pdf	2010
40	6,66	VRABIE Mihai, **TOMA Ionuț-Ovidiu**, JERCA Ștefan, Differential Equation of a Visco/Elastic Beam Subjected to Bending, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. LV (LIX), No. 2, p. 21-32, ISSN: 1224-3884, 2009 http://www.bipcons.ce.tuiasi.ro/Archive/145.pdf	2009
41	10,00	TEODORU Iancu-Bogdan, **TOMA Ionuț-Ovidiu**, Numerical Analyses of Plate Loading Test, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. LV (LIX), No. 1, p. 57-66, ISSN: 1224-3884, 2009 http://www.bipcons.ce.tuiasi.ro/Archive/141.pdf	2009
42	6,66	**TOMA Ionuț-Ovidiu**, BUDESCU Mihai, ALBU Gheorghe, Seismic Behaviour of an Elperimetal Model Made of Thin-Walled Cold Formed Steel Profiles – Hardell Structures, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. LV (LIX), No. 1, p. 67-78, ISSN: 1224-3884, 2009 http://www.bipcons.ce.tuiasi.ro/Archive/142.pdf	2009
43	6,66	**TOMA Ionuț-Ovidiu**, MIKI Tomohiro, NIWA Junichiro, Influence of Steel Fibers on the Behavior of RC Beams with Random Cracks, The 10th East Asia - Pacific Conference on Structural Engineering and Construction (EASEC – 10), 3-5 august 2006, Bangkok, Tailanda, Vol. “Materials, Experimentation, Maintenance and Rehabilitation”, p. 413-418 SCOPUS ID. 2-s2.0-84886701321	2006
TOTAL	**224,30**		

2.4. Granturi / proiecte câștigate prin competiție ce finanțează activități de cercetare

2.4.1. Director (pentru instituția coordonatoare) / Responsabil (pentru instituția parteneră):

Nr crt	Subcategorii (Național / Internațional)	Rezultate (punctaje)	Date identificare proiect	Perioada
1	*Național*	*20*	BETON SUSTENABIL PENTRU CLĂDIRI EFICIENTE ENERGETIC 730PED din 28/06/2022 PN-III-P2-2.1-PED-2021-0677	*28.06.2022 - 27.06.2024*
2	*Naţional*	*50*	REZILIENŢĂ PROACTIVĂ ŞI PREGĂTIRE PENTRU SITUAŢII DE URGENŢĂ PENTRU RĂSPUNS ADAPTIV ŞI EFICIENT 1CoEx din 26.01.2026 PN-IV-P6-6.1-CoEx-2024-0102	*26.01.2026 – 31.12.2030*
	TOTAL	**70**		

2.4.2. Membru în echipa de implementare a grantului

Nr crt	Subcategorii	Rezultate (punctaje)	Titlul proiectului	Din anul / Până în anul
1	Naţional	5	Sistem de avertizare seismică cu deblocarea automată a ușilor de intrare prevăzute cu interfon, POR, cod SMIS 137414	2023
2	Naţional	5	Realizarea si testarea modelului experimental al unui ansamblu de protectie seismica pentru conducte ingropate de transport apa in vederea introducerii lui in executie, PNCDI III CEC Inovare nr. 151CI/2018	2018
3	Internaţional	35	ANAGENISSI – Innovative Use of all Tyre Components in Concrete; FP7-ENV-2013-603722	01.2014 – 06.2017
4	Naţional	15	PN II CAPACITĂŢI: Innovative Use of all Tyre Components in Concrete; Contract nr. 264EU/30.06.2014	07.2014 – 06.2017

Nr crt	Subcategorii	Rezultate (punctaje)	Titlul proiectului	Din anul / Până în anul
5	Internaţional	10	E-FAST – Design study of a European facility for advanced seismic testing; FP7-INFRASTRUCTURES-212109, GA nr. 212109	2009 / 2010
6	Naţional	5	E-FAST – Design study of a European facility for advanced seismic testing; PN II Capacități - 17EU/2010	2009 / 2010
7	Internaţional	10	SERIES – Seismic Engineering Research Infrastructures for European Synergies – FP7-INFRA-2008-1.1.2, GA nr.227887/2009	2009 / 2010
TOTAL		**85**		

3. Recunoaştere şi impactul activităţii (A3)

3.1 Citări în reviste ISI şi BDI şi în volumele conferinţelor ISI şi BDI

3.1.1. Articole în reviste cotate ISI

Lucrarea citată		Nr. citări	Punctaj
BUNEA Georgiana, LEON Florin, **TOMA Ionuţ-Ovidiu**, Machine learning approach in the quantitative evaluation of the seismic behaviour for 3D reinforced concrete frame structures, ELSEVIER Structures, 2025, Vol. 80, Id. 109750, F.I. = 4,3 (2024), ISSN: 2352-0124 https://doi.org/10.1016/j.istruc.2025.109750 WOS:001540614000001		**1**	**33,0**
1	Ak F., Ekici B., Demir U., AI-supported seismic performance evaluation of structures: challenges, gaps, and future directions at early design stages, ELSEVIER Advanced Engineering Informatics, 2026, Vol. 71, Part C., 104301, F.I. = 9,9 (2024), Q1, eISSN: 1873-5320 https://doi.org/10.1016/j.aei.2025.104301 WOS:001681683700001 10 × 9,9 / 3 = 33,00		
MARCOIE Nicolae, **TOMA Ionuţ-Ovidiu**, CHIHAIA Serban, HRANICIUC Tomi-Alexandrel, TOMA Daniel, BALAN Catalin-Dumitrel, DRAGOI Elena Niculina, NECHITA Mircea-Teodor, Anthropogenic River		**2**	**7,62**

Segmentation Case Study: Bahlui River from Romania, MDPI Hydrology, 2025, Vol. 12, No. 9, Id. 224, F.I. = 3,2 (2024), ISSN: 2306-5338 https://doi.org/10.3390/hydrology12090224 WOS:001579979600001			
1	Marcoie N., Chihaia S., Barta A.I., Toma D., Boboc V., Balan M.G., Balan C.D., Nechita M.T., Half a Century of Civil Engineering in the Bahlui River Hydrographic System: The Unexpected Journey from Gray Structures to Hybrid Resilience, MDPI Hydrology, 2025, Vol. 13, No. 1, Id.15, F.I. = 3,2 (2024), Q2, eISSN 2306-5338 https://doi.org/10.3390/hydrology13010015 WOS:001670491500001 10 × 3,2 / 8 = 4,00		
2	Marcoie N., Iliesi E., Barta A.I., Rabosapca I., Toma D., Boboc V., Balan C.D., Tofanica B.M., Integrated Management of the Urban Water Cycle: A Synthesis of Impacts and Solutions from Source to Tap, MDPI Urban Science, 2026, Vol. 10, No. 3, Id.179, F.I. = 2,9 (2024), Q1, eISSN: 2413-8851 https://doi.org/10.3390/urbansci10030175 WOS:001726428100001 10 × 2,9 / 8 = 3,62		
BANU Oana-Mihaela, ALEXA-STRATULAT Sergiu-Mihai, MATHE Aliz-Eva, BRANDO Giuseppe, **TOMA Ionuţ-Ovidiu**, Characterization of Self-Compacting Concrete at the Age of 7 Years Using Industrial Computed Tomography, MDPI Materials, 2025, Vol. 18, No. 19, Id. 4524, F.I. = 3,2 (2024), ISSN: 1996-1944 https://doi.org/10.3390/ma18194524 WOS:001593798300001		**1**	**0**
1	Peñafiel G., Navarro C., Robalino S.M., Pico F., Abril B., Quishpe B., Contreras-Vásquez L.F., Fire Performance of Recycled Aggregate Concrete: Experimental Assessment of Compressive Strength and Physical Deterioration at Elevated Temperatures, MDPI Construction Materials, 2026, Vol. 6, No. 2, Id. 16, eISSN: 2673-7108 https://doi.org/10.3390/constrmater6020016 WOS:001749373500001		
ALEXA-STRATULAT Sergiu-Mihai, ŢĂRANU George, TOMA Ana-Maria, OLTEANU Ioana, PASTIA Cristian, BUNEA Georgiana, **TOMA Ionuţ-Ovidiu**, Effect of expanded perlite aggregates and temperature on the strength and dynamic elastic properties of cement mortar, ELSEVIER Construction and Building Materials, 2024, Vol. 438, Id. 137229, F.I. = 8,0 (2024), ISSN: 0950-0618 https://doi.org/10.1016/j.conbuildmat.2024.137229 WOS: 001261128400001		**23**	**180,17**
1	Zhang Y.F., Aslani F., Dyskin A., Pasternak E., Radiative-thermal optimisation of solar-reflective lightweight cement-slag composites using hollow glass microspheres, perlite and crumb rubber, ELSEVIER Construction and Building Materials, 2026, Vol. 528, 146506, F.I. = 8,0 (2024), Q1, eISSN: 1879-0526		

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2	Gulnahar B.I., Bulut H.A., A comprehensive approach for lightweight polymer concrete production: Determination of the effect of resin and perlite types on high temperature, freeze-thaw behavior and damage mechanisms of polymer concrete, ELSEVIER Construction and Building Materials, 2026, Vol. 526, 146383, F.I. = 8,0 (2024), Q1, eISSN: 1879-0526 https://doi.org/10.1016/j.conbuildmat.2026.146383 WOS:001756631300001 10 × 8,0 / 7 = 11,42
3	Peng C., Li Q.C., Fan Y.F., Liu Y., Qi W.J., Evolution of elastic modulus in fly ash cement mortar under acid rain exposure, ELSEVIER Developments in the Build Environment, Vol. 26, 100924, F.I. = 8,2 (2024), Q1, eISSN: 2666-1659 https://doi.org/10.1016/j.dibe.2026.100924 WOS:001753456400001 10 × 8,2 / 7 = 11,71
4	Abed A., Éva L., High-temperature behavior of expanded-perlite-modified cement mortars: An experimental investigation, ELSEVIER Construction and Building Materials, 2026, Vol. 514, 145589, F.I. = 8,0 (2024), Q1, eISSN: 1879-0526 https://doi.org/10.1016/j.conbuildmat.2026.145589 WOS:001690329200004 10 × 8,0 / 7 = 11,42
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6	Qian P.Y., Wang X.C., Su Y.G., Chen R.X., Gong H., Guo J.H., Zhang W.H., Transforming waste glass into functional aggregates: Preparation of a novel porous microsphere and its enhancement of concrete fire resistance, ELSEVIER Construction and Building Materials, 2026, Vol. 514, 145544, F.I. = 8,0 (2024), Q1, eISSN: 1879-0526 https://doi.org/10.1016/j.conbuildmat.2026.145544 WOS:001689442200001 10 × 8,0 / 7 = 11,42
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	10 × 3,1 / 7 = 4,42
8	Devi K., Lamba N., Performance assessment of industrial waste-based mortar under elevated temperatures, Advances in Civil and Architectural Engineering, 2026, Vol. 17, No. 32, p. 30-45, F.I. = 0,5 (2024), Q4, ISSN: 2975-3848 https://doi.org/10.13167/2026.32.3 WOS:001705867200001 10 × 0,5 / 7 = 0,71
9	Kannan P.S., Suriya S. Chellapandian M., Physio-chemical surface treatment of light-weight expanded clay aggregates on the bonding characteristics and micro-structural interactions of light-weight concrete, TAYLOR & FRANCIS International Journal of Pavement Engineering, 2025, Vol. 26, No. 1, 2545575, F.I. = 3,3 (2024), Q1, ISSN: 1029-8436 https://doi.org/10.1080/10298436.2025.2545575 WOS:001552312600001 10 × 3,3 / 7 = 4,71
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11	Li Y.W., Li Y.F., Dong Y., Preparation and Properties of Expanded Perlite-Based Paraffin Phase Change Reinforced Concrete, MDPI Applied Sciences, 2025, Vol. 15, No. 23, Id. 12820, F.I. = 2,5 (2024), Q2, eISSN: 2076-3417 https://doi.org/10.3390/app152312820 WOS:001633993100001 10 × 2,5 / 7 = 3,57
12	Kang C.H.Y., Hong S.N., Park Y., Kim T., Development and Characteristics of Ultra-Lightweight Concrete Mixed with Polyvinyl Alcohol Solution and Perlite, SPRINGER International Journal of Concrete Structures and Materials, 2025, Vol. 19, No. 1, 122, F.I. = 3,6 (2024), Q2, ISSN: 1976-0485 https://doi.org/10.1186/s40069-025-00864-3 WOS:001626005300001 10 × 3,6 / 7 = 5,14
13	Liu Y.D., Ma L.Y., Jiang W., Li Q., Qiao M., Fan S.J., Li D., Experimental study on thermal properties of foamed concrete with expanded perlite aggregate particle size and gradation, ELSEVIER Journal of Building Engineering, 2025, Vol. 114, 114338, F.I. = 7,4 (2024), Q1, eISSN: 2352-7102 https://doi.org/10.1016/j.jobe.2025.114338 WOS:001596613100001 10 × 7,4 / 7 = 10,57

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16	Aslam H.M.S., Aslam H.M.U., Onyelowe K.C., Noshin S., Yasin M., Rehman A.U., Yaseen M.W., Latif A., Kamchoom V., Arunachalam K.P., Effects of milling followed by different gradation sizes of lawrencepur sand on the properties of cementitious mortar, ELSEVIER Results in Engineering, 2025, Vol. 28, 107151, F.I. = 7,9 (2024), Q1, ISSN: 2590-1230 https://doi.org/10.1016/j.rineng.2025.107151 WOS:001572022700001 10 × 7,9 / 7 = 11,28
17	Zheng S.J., Gu H.M., Liu T.L., Dai T., Jiang G.S., Xu H., Lai H.R., Chen M.S., Wan T., Effect of rice husk ash on the compressive strength and microstructural characteristics of low-density cement slurry under different temperature conditions, ELSEVIER Geoenergy Science and Engineering, 2025, Vol. 257, Part A, 214178, F.I. = 4,6 (2024), Q1, ISSN: 2949-8929 https://doi.org/10.1016/j.geoen.2025.214178 WOS:001567696600004 10 × 4,6 / 7 = 6,57
18	Ciminli A.T., Bulut H.A., A new approach for lightweight polymer concrete production: Determination of the influence of resin and perlite types on the mechanical performance of polymer concrete, ELSEVIER Construction and Building Materials, 2025, Vol. 490, 142608, F.I. = 8,0 (2024), Q1, ISSN: 0950-0618 https://doi.org/10.1016/j.conbuildmat.2025.142608 WOS:001532911900001 10 × 8,0 / 7 = 11,42
19	Viskadourakis Z., Angelopoulos P. M., Orfanou M., Drymiskianaki A., Manousaki A., Koudoumas E., Taxiarchou M., Kenanakis G., Low Thermal Conductivity Plaster - Perlite Microsphere Composites as Potential Thermal Insulation Materials in Building Construction, SPRINGER International Journal of Thermophysics, 2025, Vol. 46, No. 7, 101, F.I. = 2,9 (2024), Q2, ISSN: 0195-928X https://doi.org/10.1007/s10765-025-03572-y

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20	Tolypina N., Chashin D., Fediuk R., Cement Paste Degradation in Hot Water, SPRINGER JOM, 2025, Vol. 17, No. 9, p. 6842-6851, F.I. = 2,3 (2024), Q2, ISSN: 1047,4838 https://doi.org/10.1007/s11837-025-07498-6 WOS:001509404600001 10 × 2,3 / 7 = 3,28		
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23	Hou C.Y., Zhang H.B., Chai H.C., Wang C.W., Yang X., Mechanistic study of the effect of aggregate surface wettability on mortar performance and interfacial strength, ELSEVIER Construction and Building Materials, 2025, Vol. 469, 140498, F.I. = 8,0 (2024), Q1, ISSN: 0950-0618 https://doi.org/10.1016/j.conbuildmat.2025.140498 WOS:001432677400001 10 × 8,0 / 7 = 11,42		
EL KHOURI Imad, GARCIA Reyes, MIHAI Petru, BUDESCU Mihai, TARANU Nicolae, TOMA Ionuţ-Ovidiu, GUADAGNINI Maurizio, ESCOLANO-MARGARIT David, ENTUC Ioana Sorina, OPRISAN Gabriel, HAJIRASOULIHA Iman, PILAKOUTAS Kypros, Behaviour of short columns made with conventional or FRP-confined rubberised concrete: An experimental and numerical investigation, ELSEVIER Engineering Structures, 2024, Vol. 307, Id. 117885, F.I. = 6,4, ISSN: 0141-0296 https://doi.org/10.1016/j.engstruct.2024.117885		**11**	**48,06**
1	Wei J., Yu F., Cui K.R., Bu S.S., A calculation model for cracking load of PVC-CFRP tube-reinforced concrete column, TECHNO-PRESS Structural Engineering and Mechanics, 2025, Vol. 96, No. 6, p. 509-521, F.I. = 3,0 (2024), Q2, eISSN: 1598-6217 https://doi.org/10.12989/sem.2025.96.6.509 WOS:001644912400005 10 × 3,0 / 12 = 2,5		

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4	Liu Z.C., Song Y.L., Wei L.G., Wang J.L., Zhang Z.H., Life cycle assessment of ECC jacketed composite columns based on seismic performance, ELSEVIER Engineering Structures, 2025, Vol. 342, 120923, F.I. = 6,4 (2024), Q1, ISSN: 0141-0296 https://doi.org/10.1016/j.engstruct.2025.120923 WOS:001535275900001 10 × 6,4 / 12 = 5,30
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11	Xiaoyan H., Nan D., Aijiu C., Zhihao W., Yun X., Lingyun F., Yanting J., Keliang L., Jinliang J., Sheng S., Qing Z., Experimental study on freeze-thaw failure of concrete incorporating waste tire crumb rubber and analytical evaluation of frost resistance, ELSEVIER Construction and Building Materials, 2024, 439, Id. 137356, F.I. = 8,0, Q1, ISSN: 0950-0618 https://doi.org/10.1016/j.conbuildmat.2024.137356 WOS:001266483600001 10 × 8,0 / 12 = 6,6		
BUNEA Georgiana, **TOMA Ionuţ-Ovidiu**, ALEXA-STRATULAT Sergiu-Mihai, MIHAI Petru, CIMPOEŞU Nicanor, ISTRATE Bogdan, STOIAN George, Assessing the effect of adding TiO2 and calcined montmorillonite clay nanoparticles on the mechanical properties of cement mortar, ELSEVIER Construction and Building Materials, 2024, Vol. 413, Id. 134910, F.I. = 8,0, ISSN: 0950-0618 https://doi.org/10.1016/j.conbuildmat.2024.134910 WOS:001157352200001		**19**	**178,94**
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2	Taranu G., Lungu I., Taranu N., Budescu M., Mechanical characteristics of glass fibre reinforced composites with cement and recycled anhydrite matrix, SOLALOCLU Romanian Journal of Materials, 2013, Vol. 43, No. 2, p. 139-149, F.I. = 0,538, Q4, ISSN: 1583-3186 WOS:000320638300003 10 × 0,528 / 4 = 1,34		
TEODORU Iancu-Bogdan, **TOMA Ionuț-Ovidiu**, Numerical Analyses of Plate Loading Test, Bulletin of the Polytechnic Institute of Iasi, Construction. Architecture Section, Vol. LV (LIX), No. 1, p. 57-66, ISSN: 1224-3884, 2009 http://www.bipcons.ce.tuiasi.ro/Archive/141.pdf		**3**	**41,50**

1	Chua B.T., Nepal K.P., Numerical Evaluation of Geogrid-Reinforced Two-Layer Soil System with Plate Load Test, SPRINGER Transportation Infrastructure Geotechnology, 2025, vol. 12, No. 1, 5, I.F. = 2.3 (2024), Q2, ISSN: 2196-7202 https://doi.org/10.1007/s40515-024-00458-8 WOS:001348885200001 10 ×2,3 / 2 = 12,50		
2	Vigna S., Marchelli M. De Biagi V, Peila D., Numerical Simulation of Rockfall Protection Embankments in Natural Soil, MDPI Geosciences, 2023, Vol. 13, No. 12, 368, F.I. = 2,4, Q2, eISSN: 2076-3263 https://doi.org/10.3390/geosciences13120368 WOS:001130602400001 10 ×2,4 / 2 = 12,0		
3	Ola Y., Alzabeebee S., Chavda J.T., Numerical Evaluation of Efective CBR for Two-Layered Soil Media, TAYLOR & FRANCIS International Journal of Pavement Engineering, 2023, Vol. 17, No. 5, p. 1283-1294, F.I. = 3,4, Q1, ISSN: 1029-8436; https://doi.org/10.1007/s42947-023-00301-2 WOS:001035170300002 10 × 3,4 / 2 = 17,00		
TOMA Ionuţ-Ovidiu, MIKI Tomohiro, NIWA Junichiro, Shear behavior of doubly reinforced concrete beams with and without steel fibers affected by distributed cracks, Doboku Gakkai Ronbunshuu E 63 (4), 590-607, 2007, Japan Society of Civil Engineers https://doi.org/10.2208/jsceje.63.590		**1**	**10,00**
1	Torrijos M.C., Zerbino R.L., Giaccio G.M., Cuenca E., Antonio Conforti A., Contribution of steel fibers to the flexural and shear behavior of RC beams damaged by alkali-silica reaction, ERNST & SOHN Structural Concrete, 2023, Vol. 24, No. 4, p. 4719-4732, F.I. = 3,0, Q2, ISSN: 1464-4177 https://doi.org/10.1002/suco.202201082 WOS:001019285400001 10 × 3,0 / 3 = 10		
TOMA Ionuţ-Ovidiu, MIKI Tomohiro, NIWA Junichiro, Influence of random cracks on the shear behavior of reinforced concrete beams containing steel fibers, Doboku Gakkai Ronbunshuu E 63 (1), 66-78, 2007, Japan Society of Civil Engineers https://doi.org/10.2208/jsceje.63.66		**1**	**10,00**
1	Torrijos M.C., Zerbino R.L., Giaccio G.M., Cuenca E., Antonio Conforti A., Contribution of steel fibers to the flexural and shear behavior of RC beams damaged by alkali-silica reaction, ERNST & SOHN Structural Concrete, 2023, Vol. 24, No. 4, p. 4719-4732, F.I. = 3,0, Q2, ISSN: 1464-4177 https://doi.org/10.1002/suco.202201082 WOS:001019285400001 10 × 3,0 / 3 = 10		

TOTAL:	**165**	**1322,34**

3.1.2. Articole în volumele unor manifestări științifice indexate ISI

Nr crt.	Lucrarea citată	nr citări	Punctaj
	CORBU Ofelia-Cornelia, **TOMA Ionuț-Ovidiu**, Progress in Sustainability and Durability of Concrete and Mortar Composites, MDPI – Coatings, S.I. Recent Progress in Sustainability and Durability of Concrete and Mortar Composites, 2022, 12(7), 1024, F.I. = 3,4 (2022), eISSN: 2079-6412 https://doi.org/10.3390/coatings12071024 WOS: 000831422300001	**1**	**1,25**
1	Corbu O., Anastasiu L., Baera C., Istoan R., Dragomir M.L., Recycled Glass and PET Waste as Aggregates Replacement in Eco-Innovative Concrete for Alveolar Concrete Blocks, 2023 OLYMPIAD IN ENGINEERING SCIENCE CONFERENCE-OES2023, Analytical and Experimental Methods in Mechanical and Civil Engineering (OES 2023), p. 547-565 https://doi.org/10.1007/978-3-031-49723-0_42 WOS:001598456600042 2,5 / 2 = 1,25		
	BĂRBUȚĂ Marinela, **TOMA Ionuț-Ovidiu**, Experimental Evaluation of Strength and Elastic Properties of Polymer Concrete with Different Volumes of Volcanic Tuff Acting as Filler, ASCE Journal of Materials in Civil Engineering, ISSN: 1943-5533, vol 27(6), F.I. = 1,295 (2015) https://doi.org/10.1061/(ASCE)MT.1943-5533.0001155 WOS:000354552400018	**1**	**1,25**
1	Tukhareli V.D., Tukhareli A.V., Cherednichenko T.F., Investigation of Mechanism of Action of Modifying Admixtures Based on Products of Petrochemical Synthesis on Concrete Structure, INTERNATIONAL CONFERENCE ON CONSTRUCTION, ARCHITECTURE AND TECHNOSPHERE SAFETY (ICCATS 2017), IOP Conference Series-Materials Science and Engineering, Vol. 262, Article Number: 012007, https://doi.org/10.1088/1757-899X/262/1/012007 WOS:000423728200007 2,5 / 2 = 1,25		
	LUCA Septimiu-George, PASTIA Cristian, **TOMA Ionuț-Ovidiu**, BUDESCU Mihai, Control Strategies for Seismic Energy Dissipation, Science and Technologies in Geology, Exploration and Mining, vol. I, ISBN: 978-619-7105-07-0, p. 435-442, SGEM2014 – 14th International Multidisciplinary Scientific GeoConference, 17-26 iunie 2014, Albena, Bulgaria WOS:000371300500058	**2**	**1,24**

Nr crt.	Lucrarea citată	nr citări	Punctaj
1	Olteanu I., Budescu M., Canarache R.M., Breanban V., *Analysis of the effect of the reinforcement details for structures subjected to seismic loading*, IRF2016: 5TH INTERNATIONAL CONFERENCE INTEGRITY-RELIABILITY-FAILURE – 2016, Pag. 1071-1080 WOS:000388368100169 2,5 / 4 = 0,62		
2	Luca S.G., Pastia C., Budescu M., Teodoru I.B., Bejan F., Evaluation of Seismic Energy in Structures Using Passive Fluid Dampers, International Multidisciplinary Scientific GeoConference-SGEM (SGEM 2015), Science and Technologies in Geology, Exploration and Mining, VOL III, p. 847-854, ISBN: 978-619-7105-33-9, Albena, Bulgaria WOS:000371661600110 2,5 / 4 = 0,62		
PASTIA Cristian, LUCA Septimiu-George, **TOMA Ionuț-Ovidiu**, Effect of Semi-Active TMD to Control Vibrations of a 3 Storey Building, Science and Technologies in Geology, Exploration and Mining, vol. I, ISBN: 978-619-7105-07-0, p. 443-450, SGEM2014 – 14th International Multidisciplinary Scientific GeoConference, 17-26 iunie 2014, Albena, Bulgaria WOS:000371300500059		**1**	**0,83**
1	Luca S.G., Pastia C., Budescu M., Teodoru I.B., Bejan F., Evaluation of Seismic Energy in Structures Using Passive Fluid Dampers, International Multidisciplinary Scientific GeoConference-SGEM (SGEM 2015), Science and Technologies in Geology, Exploration and Mining, VOL III, p. 847-854, ISBN: 978-619-7105-33-9, Albena, Bulgaria WOS:000371661600110 2,5 / 3 = 0,83		
TOMA Ionuț-Ovidiu, COVATARIU Daniel, TOMA Ana-Maria, ŢĂRANU George, BUDESCU Mihai, Strength and elastic properties of mortars with various percentages of environmentally sustainable mineral binder, Construction and Building Materials, ISSN: 0950-0618, vol. 43, p. 348-361, F.I. = 2,265 (2013) https://doi.org/10.1016/j.conbuildmat.2013.02.061 WOS:000319232900037		**1**	**0,5**
1	Latif M.A., Naganathan S., Razak H.A., Mustapha K.N., *Evaluating the performance of calcium carbide kiln dust in mortar - initial study*, CIVIL ENGINEERING INNOVATION FOR A SUSTAINABLE, 5th Euro Asia Civil Engineering Forum (EACEF-2015), Proceedia Engineering, Vol. 125, Pag. 788-795, 2015 https://doi.org/10.1016/j.proeng.2015.11.138 WOS:000370957800112 2,5 / 5 = 0,5		
BĂRBUȚĂ Marinela, TOMA Ionuț-Ovidiu, HARJA Maria, TOMA Ana-Maria, GAVRILOAIA Constantin, Behavior of short polymer-high strength concrete columns under eccentric compression, Archives of Civil and Mechanical Engineering, ISSN: 1644-9665, vol. 13, no. 1, p. 119-127, F.I. = 1,331 (2013)		**1**	**0,5**

Nr crt.	Lucrarea citată	nr citări	Punctaj
	http://dx.doi.org/10.1016/j.acme.2012.10.004 WOS:000314448200016		
1	Cardinale T., Arleo G., Bernardo F., Feo A., De Fazio P., Thermal and mechanical characterization of panels made by cement mortar and sheep's wool fibres, AiCARR 50th International Congress - BEYOND NZEB BUILDINGS (2017) Procedia Energy, Vol. 140, Pag. 159-169, 2017 https://doi.org/10.1016/j.egypro.2017.11.132 WOS:000426433900015 2,5 / 5 = 0,5		
TOTAL:		**7**	**5,57**

3.1.3. Articole în reviste indexate BDI

Nr crt.	Lucrarea citata	nr citări	Punctaj
EL KHOURI Imad, GARCIA Reyes, MIHAI Petru, BUDESCU Mihai, TARANU Nicolae, **TOMA Ionuţ-Ovidiu**, GUADAGNINI Maurizio, ESCOLANO-MARGARIT David, ENTUC Ioana Sorina, OPRISAN Gabriel, HAJIRASOULIHA Iman, PILAKOUTAS Kypros, Behaviour of short columns made with conventional or FRP-confined rubberised concrete: An experimental and numerical investigation, ELSEVIER Engineering Structures, 2024, Vol. 307, Id. 117885, F.I. = 6,4, ISSN: 0141-0296 https://doi.org/10.1016/j.engstruct.2024.117885	**1**	**0,16**
1	Banaei A., Asadi P., Eftekhar M.R., Mechanical and Vibration Properties of Self-compacting Rubberized Concrete Beams with Silica Fume Enhancement, Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2025, Vol. 49, No. 4, p. 3729-3741 http://dx.doi.org/10.1007/s40996-024-01695-0 SCOPUS Id: 2-s2.0-85212829559 2 / 12 = 0,16		
ALEXA-STRATULAT Sergiu-Mihai, OLTEANU Ioana, TOMA Ana-Maria, PASTIA Cristian, BANU Oana-Mihaela, CORBU Ofelia-Cornelia, **TOMA Ionuţ-Ovidiu**, The Use of Natural Zeolites in Cement-Based Construction Materials—A State of the Art Review, MDPI Coatings, 2024, 14(1), 18, F.I. = 2,8 (2024), eISSN: 2079-6412 https://doi.org/10.3390/coatings14010018 WOS:001148874600001	**2**	**0,56**
1	Michaluk J., Kulisz M., Kujawska J., Wojtaś E., Aldungarova A., Comparison of machine learning models for predicting the compressive strength of cement mixtures with zeolite, Advances in Science and Technology Research Journal, 2025, Vol. 19, No. 10, p. 123-135, ISSN: 2299-8624 http://dx.doi.org/10.12913/22998624/207915 SCOPUS Id: 2-s2.0-105014967412		

Nr crt.	Lucrarea citata	nr citări	Punctaj
	2 / 7 = 0,28		
2	Sadenova M.A., Kulenova N.A., Rudenko O.V., Anop D.K., Features of Producing Non-Autoclaved Aerated Concrete With Additives of Mineral and Technogenic Raw Materials, Chemical Engineering Transactions, 2024, Vol. 114, p. 217-222, ISSN: 2283-9216 http://dx.doi.org/10.3303/CET24114037 SCOPUS Id: 2-s2.0-85213869999 2 / 7 = 0,28		
TOMA Ionuţ-Ovidiu, STOIAN George, RUSU Marius-Mihai, ARDELEAN Ioan, CIMPOEŞU Nicanor, ALEXA-STRATULAT Sergiu-Mihai, Analysis of Pore Structure in Cement Pastes with Micronized Natural Zeolite, S.I. Durability Studies on the Concrete and Related Composites, MDPI Materials, 2023, 16(13), 4500, F.I. = 3,1 (2023), eISSN: 1996-1944 https://doi.org/10.3390/ma16134500 WOS:001028592200001		**3**	**0,99**
1	Uskoković T., Uskoković E., Wu V., Uskoković V., Anti-dirt hand sanitizer: A zeolite-enhanced approach to hygiene and microbial protection, Current Research in Green and Sustainable Chemistry, 2025, Vol. 11, 100473, ISSN: 2666-0865 http://dx.doi.org/10.1016/j.crgsc.2025.100473 SCOPUS Id: 2-s2.0-105011251411 2 / 6 = 0,33		
2	Emarah D.A., Mostafa M.A., Anwar M., Effect of curing procedure on mechanical properties and pore structure characteristics of three different concrete types, Results in Materials, 2025, Vol. 27, 100732, ISSN: 2590-048X http://dx.doi.org/10.1016/j.rinma.2025.100732 SCOPUS Id: 2-s2.0-105007326338 2 / 6 = 0,33		
3	Ma X., Long G., Liao Z., Xie Y., Yang K., Xiao Q., Xiang Y., Improvement of early mechanical properties and mechanism of zeolite powder cement mortar, Journal of Railway Science and Engineering, 2024, Vol. 21, No. 9, p. 3636-3646, ISSN: 1672-7029 http://dx.doi.org/10.19713/j.cnki.43-1423/u.T20231905 SCOPUS Id: 2-s2.0-85208289929 2 / 6 = 0,33		
BUNEA Georgiana, ALEXA-STRATULAT Sergiu-Mihai, MIHAI Petru, **TOMA Ionuţ-Ovidiu**, Use of Clay and Titanium Dioxide Nanoparticles in Mortar and Concrete—A State-of-the-Art Analysis, MDPI-Coatings, S.I. Recent Progress in Sustainability and Durability of Concrete and Mortar Composites, MDPI Coatings, 2023, 13(3), 506, F.I. = 2,9 (2023), eISSN: 2079-6412 https://doi.org/10.3390/coatings13030506		**3**	**1,50**

Nr crt.	Lucrarea citata	nr citări	Punctaj
WOS:000958133200001			
1	Marshdi Q.S.R., Braichenko S., Polianskyi K., Demchuk V., Nesterenko V., The effect of eco-friendly materials for the stability and durability of building structures, Mari Papel y Corrugado, 2025, Vol. 2025, No. 1, p. 63-76, ISSN: 1794-3396 http://dx.doi.org/10.71442/mari2025-0008 SCOPUS Id: 2-s2.0-105009834784 2 / 4 = 0,5		
2	Jahami A., Chamseddine F., Issa C.A., Zeaiter H., Salhab A., Khalil F., Utilization of Nano Clay in Concrete: A Review of Mechanical, Durability, and Workability Properties, ES Materials and Manufacturing, 2025, Vol. 27, 1333, ISSN: 2578-0611 http://dx.doi.org/10.30919/esmm1333 SCOPUS Id: 2-s2.0-105000479072 2 / 4 = 0,5		
3	Sharma A., Alam M.A., Kaur A., Implementation of Nanocarriers for Brain-Specific Drug Delivery System, Current Nanomaterials, 2025, Vol. 10, No. 1, p. 43-63, ISSN: 2405-4615 http://dx.doi.org/10.2174/2405461508666230804102333 SCOPUS Id: 2-s2.0-86000031550 2 / 4 = 0,5		
ŢĂRANU George, UNGUREANU Viorel, NAGY Zsolt, ALEXA-STRATULAT Sergiu-Mihai, **TOMA Ionuţ-Ovidiu**, LUCA Septimiu-George, Shake table test and numerical analyses of a thin-walled Cold-Formed Steel structure: Part 1 — Investigation of the structural skeleton without claddings, ELSEVIER - Thin Walled Structures, 2023, Vol. 182, Part B, ID. 110258, F.I. = 5,7 (2023), eISSN: 1879-3223 https://doi.org/10.1016/j.tws.2022.110258 WOS:000884835600002		**2**	**0,66**
1	Al-Yaseri A.M., Al-Hadithy L.K., Advances in the structural performance of reinforced concrete flat plate-column connections under gravity and seismic loads, Journal of Building Pathology and Rehabilitation, 2025, Vol. 10, No.1, 58, ISSN: 2365-3159 http://dx.doi.org/10.1007/s41024-025-00568-x SCOPUS Id: 2-s2.0-85218212011 2 / 6 = 0,33		
2	Huang C.C., Pan C.L., Peng J.L., An alternative method for seismic design of cold-formed steel framing building, International Journal of Applied Science and Engineering, 2024, Vol. 21, No. 4, p. 1-11, ISSN: 1727-2394 http://dx.doi.org/110.6703/IJASE.202409_21(4).007 SCOPUS Id: 2-s2.0-85217948248 2 / 6 = 0,33		

Nr crt.	Lucrarea citata	nr citări	Punctaj
CORBU Ofelia-Cornelia, **TOMA Ionuț-Ovidiu**, Progress in Sustainability and Durability of Concrete and Mortar Composites, MDPI – Coatings, S.I. Recent Progress in Sustainability and Durability of Concrete and Mortar Composites, 2022, Vol. 12, No. 7, Id. 1024, F.I. = 3,4 (2022), eISSN: 2079-6412 https://doi.org/10.3390/coatings12071024 WOS: 000831422300001		**1**	**1,00**
1	Huang J., Chen H., The influence of basalt fiber length on the mechanical properties and frost resistance of concrete, Gongneng Cailiao/Journal of Functional Materials, 2025, Vol. 56, No. 3, p. 3194-3201, ISSN: 1001-9731 http://dx.doi.org/10.3969/j.issn.1001-9731.2025.03.025 SCOPUS Id: 2-s2.0-105001689509 2 / 2 = 1,00		
VENGHIAC Vasile-Mircea, OLTEANU Ioana, ALEXA-STRATULAT Sergiu-Mihai, ŢĂRANU George, BĂETU Sergiu-Andrei, **TOMA Ionuţ-Ovidiu**, FEM analyses on beam-to-column connection for a thin-walled cold-formed steel frame FEM analyses on beam-to-column connection for a thin- walled cold-formed steel frame, IOP Conference Series: Materials Science and Engineering, Volume 1141, Computational Civil Engineering (CCE 2021) 27th-29th May 2021, Iasi, Romania, http://dx.doi.org/10.1088/1757-899X/1141/1/012005		**1**	**0,33**
1	Fadel Satria Albimanzura R.M., Saggaff Anis, Tahir Mahmood M.D., Aminuddin Kiagus Muhammad, *Parametric behaviour beam-to-column composite connection using CFS section*, International Journal of Advanced Technology and Engineering Exploration, Volume 9, Issue 93, Pages 1196 - 1208 http://dx.doi.org/10.19101/IJATEE.2021.875961 SCOPUS Id: 2-s2.0-85137240091 2 / 6 = 0,33		
BUDESCU Mihai, MIHAI Petru, ŢĂRANU Nicolae, LUNGU Irina, BANU Oana-Mihaela, **TOMA Ionuț-Ovidiu**, Establishing The Complete Characteristic Curve Of Concrete Loaded In Compression, Romanian Journal of Materials, ISSN: 1583-3186, vol. 45(1), p. 43-54, F.I. = 0,612 (2015) WOS:000352755800006		**1**	**0,33**
1	Călinoiu Ş.G., Bîcleşanu C., Eftimie M., Florescu A., Burcea A. (2020), Comparative study regarding the compressive strength of 4th generation adhesive systems and universal adhesives, Romanian Journal of StomatologyOpen AccessVolume 66, Issue 2, Pages 83 - 91 https://doi.org/10.37897/rjs.2020.2.5 SCOPUS Id: 2-s2.0-85150154903 2 / 6 = 0,33		

Nr crt.	Lucrarea citata	nr citări	Punctaj
TOMA Ionuț-Ovidiu, ALEXA-STRATULAT Sergiu-Mihai, MIHAI Petru, TOMA Ana-Maria, ŢĂRANU George, Experimental Investigations on the Long Term Material Properties of Rubberized Portland Cement Concrete, MDPI Applied Scieces, 2021, Vol. 11, No. 22, Id. 10868; F.I. = 2,838 (2021), eISSN: 2076-3417 https://doi.org/10.3390/app112210868 WOS: 000725734600001		**1**	**0,4**
1	Enkaiki L., Jarachi O., Mihai P., Moulay Abdelali H., Moustachi O.K., Flexural and tensile behavior of rubberized concrete: experimental analysis, Scientific Review Engineering and Environmental Sciences, 2025, Vol. 34, No. 2, p. 128-143, ISSN: 1732-9353 https://doi.org/10.22630/srees.10183 SCOPUS Id: 2-s2.0-105011323179 2 / 5 = 0,4		
BĂRBUȚĂ Marinela, **TOMA Ionuț-Ovidiu**, HARJA Maria, TOMA Ana-Maria, GAVRILOAIA Constantin, Behavior of short polymer-high strength concrete columns under eccentric compression, Archives of Civil and Mechanical Engineering, ISSN: 1644-9665, vol. 13, no. 1, p. 119-127, F.I. = 1,331 (2013) http://dx.doi.org/10.1016/j.acme.2012.10.004 WOS:000314448200016		**4**	**1,60**
1	Ganesh K., Siva Kishore I., Shyam Chamberlin K., Brahma Chari K.J.., Behavior of reinforced concrete columns wrapped by CFRP under eccentric and concentric loading, International Journal of Recent Technology and Engineering, 2019, Vol. 7, No. 6C2, p. 513-518, ISSN: 2277-3878 SCOPUS Id: 2-s2.0-85067840055 2 / 5 = 0,4		
2	Ma Y.F., Wang L., Zhang J.R., *Experimental and numerical studies on reinforced concrete arch ribs with corrosion-induced cracks*, GONGCHENG LIXUE/ENGINEERING MECHANICS, Vol. 34, Issue 3, Pag. 155 – 161, 1 March 2017 https://doi.org/10.6052/j.issn.1000-4750.2015.09.0749 SCOPUS Id: 2-s2.0-85019223741 2 / 5 = 0,4		
3	Dong X., Jin M., *Study on critical preload of prestressed composite structure hydraulic press*, ZHONGGUO JIXIE GONGCHENG/CHINA MECHANICAL ENGINEERING, Issue 9, Pag. 1158 – 1163, 10 May 2014 https://doi.org/10.3969/j.issn.1004-132X.2014.09.005 SCOPUS Id: 2-s2.0-84901595922 2 / 5 = 0,4		
4	Barbuta M., Harja M., Ciobanu G., *Mechanical properties of polymer concrete containing tire waste power*, JOURNAL OF FOOD, AGRICULTURE AND ENVIRONMENT, Vol. 12, Issue 2, Pag. 1185 – 1190, 2014 SCOPUS Id: 2-s2.0-84903745184		

Nr crt.	Lucrarea citata	nr citări	Punctaj
	2 / 5 = 0,4		
TOMA Ionuț-Ovidiu, OLTEANU Ioana, TOMA Ana-Maria, BUDESCU Mihai, Plan Configuration Influence on Vulnerability of Reinforced Concrete Frame Structures in Seismic Areas, 4th International Conference on Advanced Materials and Systems – ICAMS2012, 27-29 Septembrie 2012, Bucureşti, Romania, p. 571-579, ISSN: 2068-0783 SCOPUS ID. 2-s2.0-84888241119		**1**	**0,5**
1	Olteanu I., Barbat A.H., Budescu M., Vulnerability assessment of reinforced concrete framed structures considering the effect of structural characteristics, Open Civil Engineering Journal, 2015, Vol. 9, No. 1, p. 321-329, ISSN: 1874-1495 https://doi.org/10.2174/1874149501509010321 SCOPUS Id: 2-s2.0-84935905312 2 / 4 = 0,5		
TOTAL:		**20**	**8,03**

3.1.4. Articole în volumele unor manifestări științifice indexate BDI

Nr crt.	Lucrarea citata	nr citări	Punctaj
CORBU Ofelia-Cornelia, **TOMA Ionuț-Ovidiu**, Progress in Sustainability and Durability of Concrete and Mortar Composites, MDPI – Coatings, S.I. Recent Progress in Sustainability and Durability of Concrete and Mortar Composites, 2022, Vol. 12, No. 7, Id. 1024, F.I. = 3,4 (2022), eISSN: 2079-6412 https://doi.org/10.3390/coatings12071024 WOS: 000831422300001		**1**	**0,5**
1	Corbu O., Anastasiu L., Baeră C., Istoan R., Dragomir M.-L., Recycled Glass and PET Waste as Aggregates Replacement in Eco-Innovative Concrete for Alveolar Concrete Blocks, Structural Integrity, 2024, Vol. 28, p.547-565, ISSN: 2522-560X https://doi.org/10.1007/978-3-031-49723-0_42 SCOPUS Id: 2-s2.0-85194253001 1 / 2 = 0,50		
PETRESCU Tudor-Cristian, VOORDIJK Hans, **TOMA Ionuț-Ovidiu**, Then and now: construction management practices in Romania and the Netherlands, International Journal of Technology, Policy and Management, ISSN:1468-4322, Vol. 21, No. 2, p. 91-103, 2021 https://doi.org/10.1504/IJTPM.2021.10039676 SCOPUS ID: 2-s2.0-85111580932		**1**	**0,33**
1	Ding C., Construction Management Mode of Building Engineering Based on BIM Technology, ICATCI 2022: Tenth International Conference on Applications and Techniques in Cyber Intelligence (ICATCI 2022), pp 160–167, 2023 https://doi.org/10.1007/978-3-031-28893-7_20		

Nr crt.	Lucrarea citata	nr citări	Punctaj
	1 / 3 = 0,33		
ȚĂRANU George, **TOMA Ionuț-Ovidiu**, Experimental Investigation and Numerical Simulation of C-Shape Thin-Walled Steel Profile Joints, Buildings 2021, 11(12), 636; F.I. = 3,324 (2021), eISSN: 2075-5309 https://doi.org/10.3390/buildings11120636 WOS: 000742698000001		**2**	**1,00**
1	Tian H., Fu X., Qu Q., Jia S., Experimental Study of the Behaviour of Steel Plane Sheathed Cold-Formed Steel Trussed Shear Walls, 13th International Symposium on Project Management, ISPM 2025, Vol. 3, p. 1865-1872, ISBN: 979-833132493-3 https://doi.org/10.52202/081497-0238 SCOPUS Id: 2-s2.0-105015964475 1 / 2 = 0,5		
2	Masia R., Petrolo M., Zappino E., Zobeiry N., Carrera E., Numerical Analysis of Process-Induced Deformations and Stresses in Aeronautical Composite Components, 4th Congress of the International Council of the Aeronautical Sciences, ICAS 2024, ISSN: 1025-9090 SCOPUS Id: 2-s2.0-85208801039 1 / 2 = 0,5		
LUCA Septimiu-George, PASTIA Cristian, **TOMA Ionuț-Ovidiu**, BUDESCU Mihai, Control Strategies for Seismic Energy Dissipation, Science and Technologies in Geology, Exploration and Mining, vol. I, ISBN: 978-619-7105-07-0, p. 435-442, SGEM2014 – 14th International Multidisciplinary Scientific GeoConference, 17-26 iunie 2014, Albena, Bulgaria WOS:000371300500058		**4**	**1,00**
1	Dragomir C.S., Dobre D., *Seismic and non-seismic analyses to preserve a cultural heritage Masonry building*, WIT Transactions on the Built Environment, Vol. 191, Pag. 479 – 489, 2019, 16th International Conference on Studies, Repairs and Maintenance of Heritage Architecture, 2019, Seville, 7 October 2019 - 9 October 2019 https://doi.org/10.2495/STR190411 SCOPUS Id: 2-s2.0-85082165911 1 / 4 = 0,25		
2	Dragomir C.S., Dobre D., *Selection criteria for investigation of microseismic and ambient vibrations*, International Multidisciplinary Scientific GeoConference, Surveying Geology and Mining Ecology Management, SGEM Vol. 17, Issue 14, Pag. 389 – 396, 2017, 17th International Multidisciplinary Scientific Geoconference, SGEM 2017, Albena, 29 June 2017 - 5 July, 2017 https://doi.org/10.5593/sgem2017/14/S05.049 SCOPUS Id: 2-s2.0-85032510042 1 / 4 = 0,25		

Nr crt.	Lucrarea citata	nr citări	Punctaj
3	Luca S.G., Pastia C., Paulet-Crainiceanu F., Florea V., *Design principles for yielding energy dissipation devices*, International Multidisciplinary Scientific GeoConference, Surveying Geology and Mining Ecology Management, SGEM Vol. 17, Issue 14, Pag. 93 – 102, 2017, 17th International Multidisciplinary Scientific Geoconference, SGEM 2017, Albena, 29 June 2017 - 5 July, 2017 https://doi.org/10.5593/sgem2017/14/S05.012 SCOPUS Id: 2-s2.0-85032487990 1 / 4 = 0,25		
4	Luca S.G., Pastia C., Budescu M., Teodoru I.B., Bejan F., Evaluation of seismic energy in structures using passive fluid dampers, International Multidisciplinary Scientific GeoConference, Surveying Geology and Mining Ecology Management, SGEM Vol. 3, Issue 1, Pag. 847 – 854, 2015, 15th International Multidisciplinary Scientific Geoconference and EXPO, SGEM 2015, Albena, 18 June 2015 - 24 June 2015 SCOPUS Id: 2-s2.0-84946567324 1 / 4 = 0,25		
PASTIA Cristian, LUCA Septimiu-George, **TOMA Ionuț-Ovidiu**, Effect of Semi-Active TMD to Control Vibrations of a 3 Storey Building, Science and Technologies in Geology, Exploration and Mining, vol. I, ISBN: 978-619-7105-07-0, p. 443-450, SGEM2014 – 14th International Multidisciplinary Scientific GeoConference, 17-26 iunie 2014, Albena, Bulgaria WOS:000371300500059		**1**	**0,25**
1	Dragomir C.S., Dobre D., *Selection criteria for investigation of microseismic and ambient vibrations*, International Multidisciplinary Scientific GeoConference, Surveying Geology and Mining Ecology Management, SGEM Vol. 17, Issue 14, Pag. 389 – 396, 2017, 17th International Multidisciplinary Scientific Geoconference, SGEM 2017, Albena, 29 June 2017 - 5 July, 2017 https://doi.org/10.5593/sgem2017/14/S05.049 SCOPUS Id: 2-s2.0-85032510042 1 / 4 = 0,25		
COVATARIU Daniel, LUNGU Irina, ŢĂRANU Nicolae, BUDESCU Mihai, **TOMA Ionuț-Ovidiu**, The influence of joints rehabilitation on structural response of masonry with low-strength mortars, Romanian Journal of Materials, ISSN: 1583-3186, vol. 43(3), p. 251-262, F.I. = 0,538 (2013) WOS:000324848100003		**1**	**0,2**
1	Banu O.M., Custura S., Olteanu-Dontov I., Movila M., *The Rehabilitation Process of an Emblematic Historic Building of Iasi County*, Springer Series in Geomechanics and Geoengineering, Pag. 553 – 567, 2021 International Conference on Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment, CRIT-RE-BUILT 2019, Iași, 7 November 2019 - 9 November, 2019 https://doi.org/10.1007/978-3-030-61118-7_45		

Nr crt.	Lucrarea citata	nr citări	Punctaj
	SCOPUS Id: 2-s2.0-85097433141 1 / 5 = 0,2		
TOMA Ionuț-Ovidiu, COVATARIU Daniel, TOMA Ana-Maria, ŢĂRANU George, BUDESCU Mihai, Strength and elastic properties of mortars with various percentages of environmentally sustainable mineral binder, Construction and Building Materials, ISSN: 0950-0618, vol. 43, p. 348-361, F.I. = 2,265 (2013) https://doi.org/10.1016/j.conbuildmat.2013.02.061 WOS:000319232900037		**1**	**0,2**
1	El Nouhy H.,Khattab E., Zeedan S., *Behavior of cement pastes and mortar containing phosphogypsum*, Key Engineering Materials, Vol. 668, Pag. 181 – 188, 2016, 15th International Conference on Non - Conventional Materials and Technologies, NOCMAT 2014, Pirassununga, 23 November 2015 - 25 November 2015 https://doi.org/10.4028/www.scientific.net/KEM.668.181 SCOPUS Id: 2-s2.0-84954156683 1 / 5 = 0,2		
ŢĂRANU George, **TOMA Ionuț-Ovidiu**, PLEȘU Raluca, BUDESCU Mihai, Tensile Behavior of Glass Fiber Reinforced Cement Composite, 4th International Conference on Advanced Materials and Systems – ICAMS2012, 27-29 Septembrie 2012, Bucureşti, Romania, p. 181-187, ISSN: 2068-0783 SCOPUS ID. 2-s2.0-84888257433		**1**	**0,25**
1	Chakraborty R., Paul T., Ornob A.B.S., A Review on Tensile Behavior of Different Kinds of Fiber Reinforced Concrete, 6th International Exchange and Innovation Conference on Engineering and Sciences, IEICES 2020, ISSN: 2434-1436 10.5109/4102495 SCOPUS Id: 2-s2.0-85171828823 1 / 4 = 0,25		
TOMA Ionuț-Ovidiu, ȚĂRANU George, TOMA Ana-Maria, BUDESCU Mihai, Influence of Cement and Sand Type on the Strength Characteristics of Mortars with Various Contents of Green Binder, 2011 International Conference On Green Buildings And Sustainable Cities, Procedia Engineering, ISSN: 1877-7058, vol. 21, 196-203, 2011 https://doi.org/10.1016/j.proeng.2011.11.2004 WOS: 000300505700025		**3**	**0,75**
1	Francesconi L., Pala L., Pani L., Rombi J., Salis M., *Influence on mechanical performance of cementitious mortar incorporating anhydrous calcium sulphate*, fib Symposium, Vol. 2021-June, Pag. 302 – 311, 2021, 2021 fib Symposium of Concrete Structures: New Trends for Eco-Efficiency and Performance, Virtual, Lisbon, 14 June 2021 - 16 June 2021 SCOPUS Id: 2-s2.0-85134825810 1 / 4 = 0,25		
2	Rusati P.K., Kim S., Song K.I., *Geophysical Properties of Sand-Cement-Inorganic Binder Mixture: Electrical Resistivity and Elastic Wave Velocity*, Sustainable Civil Infrastructures, Pag. 107 – 114, 2019, 5th GeoChina International Conference on		

Nr crt.	Lucrarea citata	nr citări	Punctaj
	Civil Infrastructures Confronting Severe Weathers and Climate Changes: From Failure to Sustainability, 2018, HangZhou, 23 July 2018 - 25 July 2018 SCOPUS Id: 2-s2.0-85101498647 1 / 4 = 0,25		
3	El Nouhy H., Khattab E., Zeedan S., Behavior of cement pastes and mortar containing phosphogypsum, Key Engineering Materials, Vol. 668, Pag. 181 – 188, 2016, 15th International Conference on Non - Conventional Materials and Technologies, NOCMAT 2014, Pirassununga, 23 November 2015 - 25 November 2015 https://doi.org/10.4028/www.scientific.net/KEM.668.181 SCOPUS Id: 2-s2.0-84954156683 1 / 4 = 0,25		
TOTAL:		**15**	**6,43**

3.2. Prezentări invitate în plenul unor manifestări ştiinţifice naţionale şi internaţionale (keynote-speaker)

Nr crt.	Detalii Conferinţă / Prezentare	Punctaj
1	**TOMA Ionuț-Ovidiu**, PETRESCU Tudor-Cristian, TOMA Ana-Maria, MIHAI Petru, PETCU Ozana-Adnana, *Evolution of Concrete from a Traditional Material to a Next Generation Sustainable Solution* **Keynote lecture / presentation**: Concrete Structures for Next Generation (CSNG), 17-19 iunie, Kanazawa, Japonia http://www2.kanazawa-it.ac.jp/miyalab/csn2019.html	10
TOTAL		**10**

3.3 Membru în colectivele de redacţie sau comitete stiinţifice ale revistelor si manifestărilor ştiinţifice, organizator de manifestări stiinţifice, Recenzor pentru reviste şi manifestări stiinţifice naţionale şi internaţionale

3.3.1. Membru în colective de redacție sau recenzor pentru reviste cotate ISI (Clarivate Analytics)

Nr crt.	Revistă	Recenzor / Comitet ştiinţific / Echipă editorială	Nr. Recenzii
1	ELSEVIER – Construction and Building Materials, ISSN: 0950-0618	Recenzor	36
2	ELSEVIER – Engineering Structures, ISSN: 0141-0296	Recenzor	26
	ELSEVIER – Journal of Building Engineering, ISSN 2352-7102	Recenzor	10
3	ASCE – Journal of Materials in Civil Engineering, ISSN: 1943-5533	Recenzor	9
4	Frontiers in Materials, ISSN: 2296-8016	Recenzor	20
5	MDPI – Journal of Composites Science, ISSN: 2504-477X	Recenzor	2
6	MDPI – Materials, eISSN: 1996-1944	Recenzor	138

Nr crt.	Revistă	Recenzor / Comitet ştiinţific / Echipă editorială	Nr. Recenzii
7	MDPI – Buildings, eISSN: 2075-5309	Recenzor	7
8	MDPI – Sustainability, eISSN: 2071-1050	Recenzor	2
9	MDPI – Applied Sciences, eISSN: 2076-3417	Recenzor	36
10	MDPI – Heritage, eISSN: 2571-9408	Recenzor	1
11	MDPI – Forests, eISSN: 1999-4907	Recenzor	1
12	SPRINGER – Environmental Earth Sciences, ISSN: 1866-6280	Recenzor	4
13	TAYLOR & FRANCIS – Marine Georesources and Geotechnology, ISSN: 1064-119X	Recenzor	1
14	Matéria (Rio de Janeiro)	Recenzor	9
15	European Journal of Environmental and Civil Engineering, ISSN: 1964-8189	Recenzor	2
16	MDPI – Coatings, eISSN 2079-6412, Special Issue: Recent Progress in Sustainability and Durability of Concrete and Mortar Composites https://www.mdpi.com/journal/coatings/special_issues/concrete_mortar_composites	Echipă editorială	-
17	Frontiers in Materials: Structural Materials, ISSN: 2296-8016 https://loop.frontiersin.org/people/159813/overview	Echipă editorială	-
	TOTAL:		**304**

3.3.2. Membru în colective de redacție sau recenzor pentru reviste indexate BDI

Nr crt.	Revistă	Recenzor / Comitet ştiinţific / Echipă editorială	Nr. Recenzii
1	MDPI – Modelling, eISSN: 2673-3951	Recenzor	2
2	MDPI – Construction Materials, eISSN: 2673-7108	Recenzor	1
3	MDPI – Recycling, eISSN: 2313-4321	Recenzor	2
4	American Journal of Civil Engineering, ISSN: 2330-8729	Recenzor	1
5	Journal of Engineering Sciences, ISSN: 1687-0530	Recenzor	1
6	Bulletin of the Polytechnic Institute of Jassy. Construction. Architecture Section, ISSN: 1224-3884 https://reference-global.com/journal/BIPCA?tab=editorial-board#journal-tabs	Echipă editorială	6
7	MDPI – Construction Materials, eISSN: 2673-7108 https://www.mdpi.com/journal/constrmater/topical_advisory_panel	Echipă editorială	-

Nr crt.	Revistă	Recenzor / Comitet ştiinţific / Echipă editorială	Nr. Recenzii
	TOTAL:		**13**

3.3.3. Membru în comitete științifice, organizator sau recenzor pentru manifestări științifice

Nr crt.	Manifestări științifice	Recenzor / Comitet ştiinţific / Organizator	Nr. Recenzii
1	International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2018 www.sgem.org. https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	5
2	Computational Civil Engineering – CCE 2019 www.cce.ci.tuiasi.ro	Organizator Comitet științific	5
3	4th International Symposium on Concrete and Structures for Next Generation – CSN 2019 http://www2.kanazawa-it.ac.jp/miyalab/csn2019.html	Organizator	2
4	International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2019 www.sgem.org. https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	7
5	SGEM International Scientific Conferences on Earth & Planetary Sciences – 2019 https://www.sgemviennagreen.org/ https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	6
6	1st Croatian Conference on Earthquake Engineering – CroCEE 2021 https://crocee.grad.hr/event/1/page/1-conference-organisation	Comitet științific	5
7	Computational Civil Engineering – CCE 2021 www.cce.ci.tuiasi.ro https://iopscience.iop.org/article/10.1088/1757-899X/1141/1/011001/pdf	Organizator Comitet științific	4
8	International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2021 www.sgem.org. https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	6
9	SGEM International Scientific Conferences on Earth & Planetary Sciences – 2021 https://www.sgemviennagreen.org/ https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	6

Nr crt.	Manifestări științifice	Recenzor / Comitet ştiinţific / Organizator	Nr. Recenzii
10	International Conference on Knowledge Transfer on Sustainable Rehabilitation and Risk Management in the Built Environment – KNOW-RE-BUILT – 2021 http://www.rebuilt.ce.tuiasi.ro/resources/conferences/2021/Know-re-buit_COMMITTEES.pdf	Organizator	-
11	3rd Conference on Testing and Experimentation in Civil Engineering – Smart Technologies – TEST&E 2022 https://sites.google.com/fct.unl.pt/teste2022en/committees	Comitet științific	4
12	International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2022 www.sgem.org. https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	6
13	SGEM International Scientific Conferences on Earth & Planetary Sciences – 2022 https://www.sgemviennagreen.org/ https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	6
14	International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2023 www.sgem.org. https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	5
15	SGEM International Scientific Conferences on Earth & Planetary Sciences – 2023 https://www.sgemviennagreen.org/ https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	4
16	International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2024 www.sgem.org. https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	7
17	SGEM International Scientific Conferences on Earth & Planetary Sciences – 2024 https://www.sgemviennagreen.org/ https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	7
18	International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2025 www.sgem.org. https://sgemworld.at/index.php/reviewers-committee/reviewers-eps	Recenzor	4
19	SGEM International Scientific Conferences on Earth & Planetary Sciences – 2025	Recenzor	4

Nr crt.	Manifestări științifice	Recenzor / Comitet ştiinţific / Organizator	Nr. Recenzii
	https://www.sgemviennagreen.org/ https://sgemworld.at/index.php/reviewers-committee/reviewers-eps		
20	The 14th Global Conference on Materials Science and Engineering – CMSE2025, Xi'an, China http://cmse2025.pastconf.com/	Recenzor	3
21	Transport Research Arena – Regeneration in Transport (TRA-2026), Budapesta, Ungaria https://traconference.eu/	Recenzor	7
	TOTAL:		**103**

3.4. Experiență de management universitar sau de cercetare

3.4.1. Funcții de conducere (rector, prorector, decan, prodecan, **director departament**, director școală doctorală, director general, director științific, director adjunct, șef secție, șef laborator)

Nr crt.	Funcţia de conducere	Decizie	Perioada	Punctaj realizat
1	Director departament	692/15.04.2016	01.04.2016 – 31.03.2020	20
2	Director departament	511/05.03.2020	01.04.2020 – 31.03.2024	20
3	Prorector cu activitatea de cercetare ştiinţifică		30.03.2024 – prezent	10
	TOTAL:			**50**

3.4.2. Membru în organisme de conducere (**senat**, **consiliul facultății**, consiliul științific)

Nr crt.	Organism de conducere	Perioada	Punctaj realizat
1	Senatul Universităţii Tehnice „Gheorghe Asachi" din Iaşi C4 – Comisia pentru activităţi studenţeşti şi servicii sociale C6 - Comisia de informatizare şi comunicaţii digitale	2016 – 2020	8
2	Consiliul Facultăţii de Construcţii şi Instalaţii	2016 – 2020	8
3	Senatul Universităţii Tehnice „Gheorghe Asachi" din Iaşi C3 - Comisia de relaţii internaţionale, imagine universitară şi titluri onorifice C6 - Comisia de informatizare şi comunicaţii digitale	2020 – 2024	8
4	Consiliul Facultăţii de Construcţii şi Instalaţii	2020 – 2024	8

Nr crt.	Organism de conducere	Perioada	Punctaj realizat
5	Consiliul Facultăţii de Construcţii şi Instalaţii	2024 – 2029	4
	TOTAL:		**36**

Data: 02.06.2026

Semnătura: