UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI

FACULTATEA DE CONSTRUCŢII ŞI INSTALAŢII

DEPARTAMENTUL DE INGINERIA INSTALAŢIILOR

Ramura de ştiinţă: Inginerie Civilă

Domeniul de studii: Inginerie Civilă şi Instalaţii

FIŞĂ DE VERIFICARE

a îndeplinirii standardelor minimale naţionale pentru abilitare

COMISIA 6. INGINERIE CIVILĂ ŞI MANAGEMENTUL LUCRĂRILOR DE CONSTRUCŢII

Cadru didactic: **HUDIȘTEANU VALERIU-SEBASTIAN** / Data naşterii: **05.06.1987** / Funcţia ocupată: **conferențiar universitar**

Data numirii în funcţia actuală: **13.02.2023** (**Decizia Rectorului TUIASI nr. 362/13.02.2023**)

Instituţia: **Universitatea Tehnică "Gheorghe Asachi" din Iaşi, Facultatea de Construcţii şi Instalaţii, Departamentul de Ingineria Instalaţiilor.**

Centralizarea rezultatelor este prezentată în tabelul următor, menționându-se că sunt îndeplinite toate criteriile prevăzute în standardele CNATDCU.

Tabelul 1: Condiții minimale

Nr. crt.	Condiții minimale		Punctaj candidat	Concluzii
1	1.1 Pentru obținerea atestatului de abilitare se va constitui portofoliul candidatului: 5 lucrări reprezentative, pentru domeniul de specialitate, vizibile pe internet, selectate de către candidat. Se apreciază de către comisia de evaluare a tezei de abilitare: **Admis/Respins** 1.2 În vederea evaluării competențelor didactice ale candidaților aflați în proces de abilitare, Comisiile de specialitate pot selecta, **cel puțin unul** dintre următoarele criterii: - Membru în comisiile de îndrumare sau de evaluare a tezelor de doctorat / mentor cu rol de îndrumare a unor cercetători postdoctorali - Profesor asociat / visiting scholar cu susținerea unei prelegeri în fața cadrelor didactice sau a doctoranzilor de la universitatea gazdă - Inițierea sau coordonarea unor programe de studii universitare sau post-universitare, relevante pentru domeniul de abilitare vizat - Editarea sau publicarea unor cursuri universitare relevante pentru domeniul de abilitare vizat - Introducerea unor discipline noi în planul de învățământ / programe de studii, cu impact asupra dezvoltării academice și de cercetare relevante pentru domeniul de abilitare vizat Se apreciază de Comisie cu Admis/Respins 1.3 Susținerea orală în fața Comisiei de evaluare a tezei de abilitare, inclusiv a planului de dezvoltare didactică și profesională-științific. Se apreciază de Comisie cu Admis/Respins		-	-
2	Activitatea de cercetare (A1)	**Minim 260 de puncte** din capitolele A1.1 + A1.2+ A1.3	493.02	*Criteriu îndeplinit*
		Minim 40 de puncte din capitolele A1.4 + A1.5	90	*Criteriu îndeplinit*
3	Recunoaștere și impactul activității (A2)	**Minim 160 puncte**	4420	*Criteriu îndeplinit*
TOTAL			5003.02	-

Tabelul 2. Structura activității candidatului

Nr. crt.	Tipul activităților		Categorii de rezultate	Subcategorii/ Activități	Indicatori si condiții minimale	Număr de realizări	Indicatori / Punctaj	Punctaj realizat
0	1	2	3	4	5	6	7	8
1	Activitate de cercetare (A1)	**1.1** Articole în reviste cotate Web of Science și în volume Proceedings indexate în WOS J_{WOS} Notă: Factorul de Impact (FI) al revistei (Journal Impact Factor) respectiv Quartilele Q1, Q2 (JIF Quartiles) se bazeaza pe Clarivate Anaytics Journal Citation Reports. Factorul de Impact (FI) al revistei este cel din anul publicării articolului sau cel din anul depunerii dosarului de abilitare sau de concurs. Se alege situația favorabilă.			J_{WOS} = 8 (Minim 8 articole în reviste cu FI>0.5) dintre care J_{TOP} = 4 (Minim 4 articole în reviste Q1 și/sau Q2*) *Se poate echivala cel mult o lucrare în Q1 cu un brevet de invenție internațional, respectiv cel mult o lucrare o lucrare în Q2 cu un brevet de invenție național. Brevetele trebuie sa fie acordate autorului și vizibile în BOPI. Număr de lucrări autor principal** reviste ISI cu factor de impact: J_{PRI} = 2 (Dintre cele 8 articole J_{WOS}, minim 2 trebuie să fie scrise în calitate de **prim autor sau de autor corespondent)	J_{WOS} = **30** total $J_{WOS,FI>0.5}$ = **20** (minim 8) J_{TOP} = **13** (minim 4) J_{PRI} = **14** (minim 2)	(25+20 x FI*) / nr. autori *Pentru brevete se echivalează valoarea FI cu 1 pentru brevetele internaționale și FI cu 0.5 pentru brevetele naționale	**300.23**
		1.2 Articole* în reviste și volumele unor manifestări științifice indexate în baze de date internaționale (BDI)** J_{BDI} *Articolele indexate în Web of Science care nu sunt luate în considerare la criteriul A2.1 pot fi echivalate cu articole BDI în forma 1 lucrare indexata în Web of Science este echivalentă cu o lucrare indexată în baze de date internaționale. Nu se accepta duplicările de indexare articole, de exemplu : WOS și Scopus **Bazele de date considerate sunt: Web of Science, Scopus, Wiley, Springer, Science Direct, IEEE, Engineering Village, Proquest, EBSCO, ERIH +.			J_{BDI} = 12 - Minim 12 lucrări indexate în BDI	J_{BDI} = **40** (minim 12)	20/nr. de autori	**192.79**
		1.3 Brevete de invenție înregistrate* la OSIM sau WIPO JP *acordate, vizibile în BOPI		1.3.1 brevete internaționale, indexate WOS	Nu există condiții minimale	-	50/nr. de autori	-
				1.3.2 brevete naționale, indexate WOS	Nu există condiții minimale	-	35/nr. de autori	-
				1.3.3 brevete naționale	Nu există condiții minimale	-	25/nr. de autori	-

Nr. crt.	Tipul activităților		Categorii de rezultate	Subcategorii/ Activități	Indicatori si condiții minimale	Număr de realizări	Indicatori / Punctaj	Punctaj realizat
0	1	2	3	4	5	6	7	8
		Punctaj capitolele A1.1 + A1.2+ A1.3 = 493.02 (Minim 260 de puncte)						*Criteriu îndeplinit*
		1.4 Atragerea de fonduri pentru cercetare prin Granturi, Proiecte Contracte, câștigate prin competiție națională sau internațională, în calitate de Director sau Responsabil sau Responsabil contract/proiect echivalent **NG** Note: 1. Se vor lua în considerare doar granturile/proiec tele/contractele/ derulate in instituția in care candidatul a fost sau este titular/angajat cu funcția de bază. Acestea trebuie sa fi fost câștigate de către candidat (nu au fost preluate de la un alt director). 2. "Granturi în calitate de director pentru instituția coordonatoare sau de responsabil pentru instituția partenera" semnifica atragerea de fonduri pe baza de deviz de cheltuieli, nu susținere sau	1.4.1 **Director** (pentru instituția coordonatoare)/ responsabil (pentru instituția parteneră)	1.4.1.1 granturi de cercetare internaționale	**NG** = 2 - Minim 2 Granturi în calitate de director pentru instituția coordonatoare sau de responsabil pentru instituția parteneră. * un grant în calitate de director se poate echivala cu un contract/proiect echivalent de cercetare/consultanță conform 2.4.3 (Se va considera un contract/proiect echivalent de cercetare/consultanță, pentru o valoare cumulată echivalentă a minim 50.000 Euro obținută din unul sau mai multe contracte, exclusiv valoarea subcontractărilor/ Echivalența se dovedește prin contracte și documente contabile care dovedesc încasările contractelor de către instituție) ** Granturile, proiectele de cercetare, contractele de cercetare/consultanță încheiate cu agenții economici (terți) nu pot fi declarate decât prin echivalență. Acestea se vor lua în calcul o singură dată.	-	20 x număr ani de desfășurare (dovediți prin contract)	-
				1.4.1.2 granturi de cercetare naționale		N_G = **2** (minim 2 Granturi în calitate de director)	10 x număr ani de desfășurare (dovediți prin contract)	**30**
			1.4.2. *Membru* în echipa de implementare a grantului	1.4.2.1 granturi de cercetare internaționale	Nu există condiții minimale	**1**	10 x număr ani de desfășurare (participarea se dovedește prin fișele de pontaj)	**40**
				1.4.2.2 granturi de cercetare naționale	Nu există condiții minimale	**3**	5 x număr ani de desfășurare (participarea se dovedește prin fisele de pontaj)	**15**

Nr. crt.	Tipul activităților		Categorii de rezultate	Subcategorii/ Activități	Indicatori si condiții minimale	Număr de realizări	Indicatori / Punctaj	Punctaj realizat
0	1	2	3	4	5	6	7	8
		cofinanțare. Se exclud contractele cu finanțare exclusiva a unor burse 3. La criteriul 1.4.1, un contract în calitate de director se poate echivala cu un contract/proiect echivalent raportat la criteriul 1.4.3.	1.4.3 Responsabil de contracte/proiecte de cercetare/cons ultanță (Se va considera un contract/proiec t echivalent de cercetare/cons ultanță, pentru o valoare cumulată echivalentă a minim 50.000 Euro obținută din unul sau mai multe contracte, exclusiv valoarea subcontractăril or) NGe - contract/proiec t echivalent de cercetare/cons ultanță, pentru o valoare cumulată echivalentă a minim 50.000 Euro obținută din unul sau mai multe contracte, exclusiv valoarea subcontractăril or (se dovedește prin contracte și documente contabile)	1.4.3.1 contracte/proiecte de cercetare/consultanță internaționale	-	-	20 / contract echivalent de min 50.000 Euro (se dovedește prin contracte si documente contabile)	-
				1.4.3.2 contracte/proiecte de cercetare/consultanță naționale	-	-	10 / contract echivalent de min 50.000 Euro (se dovedește prin contracte si documente contabile)	-
		1.5. Responsabil de proiecte de cercetare/consultanță (fiecare proiect considerat la calculul punctajului trebuie să fie în valoare de minim 50.000 lei pentru instituția la care responsabilul era/este titular) **NPC**			Nu există condiții minimale	$N_{pc} = 1$	5 / proiect (se dovedește prin contract)	**5**
		Punctaj capitolele A1.4 + A1.5 = 90 (Minim 40 de puncte)						***Criteriu îndeplinit***

Nr. crt.	Tipul activităților		Categorii de rezultate	Subcategorii/ Activități	Indicatori si condiții minimale	Număr de realizări	Indicatori / Punctaj	Punctaj realizat
0	1	2	3	4	5	6	7	8
2	Recunoaștere si impactul activității (A2)	**2.1** Citări ale tuturor lucrărilor de tip articol sau proceedings vizibile în WOS (Citări ale tuturor lucrărilor de tip articol sau proceedings vizibile in WOS (Se iau în considerare doar citările vizibile in WOS excluzând autocitările)) N_C			N_C = 15 Minim 15 citări ale tuturor lucrărilor de tip articol sau proceedings vizibile în WOS	N_C = 438 (minim 15 citări)	N_C x 10	4380
		2.2 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale (keynote- speaker) și Profesor invitat pentru a susține module de curs / prelegeri (exclusiv ERASMUS) N_{KN}	Punctaj unic pentru fiecare activitate	2.2.1 manifestări științifice internaționale	N_{KN} - nu există condiții minimale (se dovedește prin scrisoare de invitație	-	N_{KN} x 20	-
				2.2.2 manifestări științifice naționale	sau contract) - Se punctează maxim 10 activități	-	N_{KN} x 10	-
		2.3 Membru in colective de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice; Recenzor pentru reviste și manifestări științifice; Coordonator echipe studențești premiate la concursuri naționale și internaționale	Punctaje unice pentru fiecare categorie, ce se acordă numai dacă sunt îndeplinite următoarele cerințe minimale, astfel: 2.3.1 – minim 2 colective de redacție și minim 8 recenzii 2.3.2 – minim 2 colective de redacție și minim 8 recenzii 2.3.3 – minim 2 comitete științifice și minim 12 recenzii Obs. Pentru reviste, comitete științifice și manifestări științifice internaționale, valorile minime specificate anterior se împart la 2	2.3.1 Membru în colective de redacție sau recenzor pentru reviste cotate WOS	Nu există condiții minimale	3 colective 8 recenzii	20	20
				2.3.2 Membru în colective de redacție sau recenzor pentru reviste indexate BDI	Nu există condiții minimale	4 colective 8 recenzii	12	12
				2.3.3 Membru în comitete științifice, "organizator sau recenzor" pentru manifestări științifice	Nu există condiții minimale	5 colective 14 recenzii	8	8
				2.3.4 Coordonator echipe studențești premiate la concursuri naționale și internaționale	Nu există condiții minimale	-	12	-
	Punctaj capitolul A2 = 4420 (Minim 160 de puncte)							*Criteriu îndeplinit*

Data: 01.10.2026

Conf.univ. dr.ing. Hudișteanu Valeriu-Sebastian

DETALIERE INDICATORI
Activitate de cercetare (A1)

1.1. Articole în reviste cotate Web of Science și în volume Proceedings indexate în WOS - J_{WOS}

* Factorul de Impact (FI) al revistei este cel din anul publicării articolului sau cel din anul depunerii dosarului de abilitare sau de concurs. Se alege situația favorabilă

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare	FI
0	*1*	*2*	*3*
1	(25+20*1)/10 = 4.5	Romila, C.; Popovici, C.-G.; Țurcanu, F.-E.; **Hudișteanu, S.-V.**; Cherecheș, C.N.; Ancaș, A.D.; Gherasim, I.; Belkacemi, D.; Jeż, K.; Al-Rawi, M. Analysis of Indoor Climate for the Sustainable Heating System of a Romanian Heritage Church. *International Journal of Conservation Science* **2026**, 17(3), 1257–1270. https://doi.org/10.36868/IJCS.2026.03.26 **J_{WOS} - Article - Q4 (FI>0.5)**	1.00
2	(25+20*4.1)/10 = 10.7	Polcovnicu, R.-A.; **Hudișteanu, S.-V.**; Țăranu, N.; Ungureanu, D.; Alexa, M.; Hudișteanu, I.; Cherecheș, N.-C.; Țurcanu, F.-E.; Onuțu, C.; Mustiață, A.-F. *Comparative Experimental Assessment of Photovoltaic Panel Stability Under Moderate Freeze–Thaw Thermal Cycling*. Sustainability **2026**, 18, 5404. https://doi.org/10.3390/su18115404 **J_{WOS} - Article - Q2 (J_{TOP}, FI>0.5, J_{PRI})**	4.1
3	(25+20*4.1)/12 = 8.917	Gherasim, I.; Gălățanu, C.-D.; Bistriceanu, C.-E.; Țurcanu, F.-E.; Roșu, P.-V.; **Hudișteanu, V.-S.**; Popovici, C.-G.; Luciu, R.-S.; Burlacu, A.; Sascău, R.A.; et al. *The Effect of Spectrum-Enhanced Artificial Light on Students' Cognitive Activities*. Sustainability **2025**, 17, 8455. https://doi.org/10.3390/su17188455 **J_{WOS} - Article - Q2 (J_{TOP}, FI>0.5)**	4.1
4	(25+20*4.1)/8 = 13.375	**Hudișteanu, V.-S.**; Nica, I.; Verdeș, M.; Hudișteanu, I.; Cherecheș, N.-C.; Țurcanu, F.-E.; Gherasim, I.; Galatanu, C.-D., *Technical and Economic Analysis of Sustainable Photovoltaic Systems for Street Lighting*. Sustainability **2025**, 17, 7179. https://doi.org/10.3390/su17167179 **J_{WOS} - Article - Q2 (J_{TOP}, FI>0.5, J_{PRI})**	4.1
5	(25+20*4.1)/8 = 13.375	Polcovnicu, R.-A.; **Hudișteanu, S.-V.**; Țăranu, N.; Ungureanu, D.; Alexa, M.; Hudișteanu, I.; Onuțu, C.; Mustiață, A.-F., *Experimental Investigation of Wind Effect on Roof Configurations with Photovoltaic Panel Systems for Sustainable Building Design*, Sustainability **2025**, 17, 4739. https://doi.org/10.3390/su17104739 **J_{WOS} - Article - Q2 (J_{TOP}, FI>0.5, J_{PRI})**	4.1
6	25/6 = 4.167	Roşu, P.V., Alexandru, C.C., **Hudişteanu, S.**, Cherecheş, C., Turcanu, E., & Olaru, R. (**2025**). *Comparative Analysis of Energy Management Strategies in an Off-Grid Photovoltaic System with Storage and Active Load Control*. 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), 702-706. 10.1109/SIELMEN67352.2025.11260669 **J_{WOS} - Proceedings Paper**	-

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare	FI
7	25/6 = 4.167	Roşu, P.V., Alexandru, C.C., **Hudişteanu, S**., Cherecheş, C., Turcanu, E., & Olaru, R. (**2025**). *Design and Implementation of a KNX Energy Management System for Optimizing Self-Consumption in Off-Grid Photovoltaic Systems*. 2025 International Conf. on Electromechanical and Energy Systems (SIELMEN), 679-684. 10.1109/SIELMEN67352.2025.11260561 **Jwos - Proceedings Paper**	-
8	(25+20*8.8)/6 = 33.5	**Hudișteanu, S.-V.**, Cherecheș, N.-C., Țurcanu, F.-E., Hudișteanu, I., Verdeș, M., & Ancaș, A.-D., *Experimental analysis of innovative perforated heat sinks for enhanced photovoltaic efficiency*. Energy Conversion and Management: X, 25. **2025**, https://doi.org/10.1016/j.ecmx.2024.100842 **Jwos - Article - Q1 (J_{TOP}, FI>0.5, J_{PRI})**	8.8
9	(25+20*3.3)/5 = 18.2	**Hudișteanu, V.-S.**; Cherecheș, N.-C.; Țurcanu, F.-E.; Hudișteanu, I.; Romila, C. *Impact of Temperature on the Efficiency of Monocrystalline and Polycrystalline Photovoltaic Panels: A Comprehensive Experimental Analysis for Sustainable Energy Solutions*. Sustainability **2024**, 16, 10566. https://doi.org/10.3390/su162310566 **Jwos - Article - Q2 (J_{TOP}, FI>0.5, J_{PRI})**	3.3
10	(25+20*0.7)/8 = 4.875	Popovici CG, Filipescu G, Cherecheș NC, **Hudișteanu SV**, Țurcanu EF, Ancas AD, Verdeș M, Roșu PV. *Numerical Simulation of Improving the Efficienty of Photovoltaic Thermal Panels.* Journal of Applied Engineering Sciences. University of Oradea, Civil Engineering and Architecture Faculty, **2024**;14(1): 81-88. https://doi.org/10.2478/jaes-2024-0010 **Jwos - Article - Q4 (FI>0.5)**	0.7
11	(25+20*0.7)/9 = 4.333	Popovici CG, Enaru I, Aioanei CC, Ţurcanu FE, **Hudişteanu SV**, Cherecheş NC, Verdeș M, Ancaș DA, Ciocan V. *Fire and Artificial Intelligence (AI): How AI Anticipates Human Behaviour in Fire Situations- Case Study of the Colectiv Fire*. Journal of Applied Engineering Sciences. University of Oradea, Civil Engineering and Architecture Faculty, **2024**;14(1): 71-80. https://doi.org/10.2478/jaes-2024-0009 **Jwos - Article - Q4 (FI>0.5)**	0.7
12	(25+20*0.7)/10 = 3.9	Alexa M, Ţăranu N, **Hudişteanu SV**, Cherecheş NC, Ţurcanu FE, Ancaş D, Verdeş M, Popovici CG, Ciocan V, Hudişteanu I. *Graphical Interface for Electrical Dimensioning of an On-Grid Photovoltaic System*. Journal of Applied Engineering Sciences. University of Oradea, Civil Engineering and Architecture Faculty, **2024**;14(1): 1-10. https://doi.org/10.2478/jaes-2024-0001 **Jwos - Article - Q4 (FI>0.5)**	0.7

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare	FI
13	(25+20*1)/8 = 5.625	I. Enaru, N.-C. Chereches, **S.-V. Hudișteanu**, E.-F. Țurcanu, Ana Diana Ancas, Marina Verdeș, C.-G. Popovici and V. Ciocan., *Numerical Simulation Evaluation of Fire Spreading in a Building Using Fire Dynamics Simulator (FDS)*. Journal of Applied Engineering Sciences University of Oradea, Civil Engineering and Architecture Faculty, 13, no. 1 (**2023**): 65-72. https://doi.org/10.2478/jaes-2023-0009 **Jwos - Article - Q4 (FI>0.5, J_{PRI})**	1.00
14	(25+20*2.7)/9 = 8.778	Baouche, F.Z.; Abderezzak, B.; Ladmi, A.; Arbaoui, K.; Suciu, G.; Mihaltan, T.C.; Raboaca, M.S.; **Hudișteanu, S.V.**; Țurcanu, F.E., *Design and Simulation of a Solar Tracking System for PV*, Appl. Sci. **2022**, 12, 9682. https://doi.org/10.3390/app12199682 **Jwos - Article - Q2 (J_{TOP}, FI>0.5, J_{PRI})**	2.7
15	(25+20*2.7)/7 = 11.286	**Hudișteanu, S.V.**; Țurcanu, F.E.; Chereches, N.-C.; Popovici, C.-G.; Verdeș, M.; Ancaș, D.-A.; Hudișteanu, I., *Effect of Wind Direction and Velocity on PV Panels Cooling with Perforated Heat Sinks*. Appl. Sci. **2022**, 12, 9665. https://doi.org/10.3390/app12199665 **Jwos - Article - Q2 (J_{TOP}, FI>0.5, J_{PRI})**	2.7
16	(25+20*3.4)/7 = 13.286	Ancaș, A.D.; Țurcanu, F.-E.; Verdeș, M.; **Hudisteanu, S.V.**; Chereches, N.-C.; Popovici, C.-G.; Profire, M. *Comparative Numerical Studies on the Structural Behavior of Buried Pipes Subjected to Extreme Environmental Actions*. Materials **2022**, 15, 3385. https://doi.org/10.3390/ma15093385 **Jwos - Article - Q1 (J_{TOP}, FI>0.5, J_{PRI})**	3.4
17	(25+20*2.7)/6 = 13.167	El Fouas, C.; Chereches, N.C.; **Hudișteanu, S.V.**; Hajji, B.; Țurcanu, E.F.; Chereches, M.L. *Numerical and Parametric Analysis for Enhancing Performances of Water Photovoltaic/Thermal System*. Appl. Sci. **2022**, 12, 646. https://doi.org/10.3390/app12020646 **Jwos - Article - Q2 (J_{TOP}, FI>0.5, J_{PRI})**	2.7
18	(25+20*2.838)/7 = 11.68	Chereches, M.L.; Chereches, N.C.; Ciobanu, A.A.; **Hudișteanu, S.V.**; Țurcanu, E.F.; Bradu, A.; Popovici, C.G. *Experimental Study on Airflow and Temperature Predicting in a Double Skin Façade in Hot and Cold Seasons in Romania*. Appl. Sci. **2021**, 11, 12139. https://doi.org/10.3390/app112412139 **Jwos - Article - Q2 (J_{TOP}, FI>0.5, J_{PRI})**	2.838
19	(25+20*2.838)/6 = 13.627	**Hudișteanu, S.V.**; Țurcanu, F.E.; Chereches, N.C.; Popovici, C.G.; Verdeș, M.; Hudisteanu, I. *Enhancement of PV Panel Power Production by Passive Cooling Using Heat Sinks with Perforated Fins*. Appl. Sci. **2021**, 11, 11323. https://doi.org/10.3390/app112311323 **Jwos - Article - Q2 (J_{TOP}, FI>0.5, J_{PRI})**	2.838

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare	FI
20	(25+20*0.916)/6 = 7.22	**Hudisteanu, SV**; Popovici, CG; Verdes, M; Ciocan, V ; Chereches, NC; Turcanu, FE, *Experimental analysis of innovative heat exchanger with uniform heat flux used in heat pumps systems*, Volume: 19 Issue: 12 Pages: 2231-2240, **2020.** doi:10.30638/EEMJ.2020.210 **Jwos - Article - Q3 (*FI>0.5, JPRI*)**	0.916
21	(25+20*3.39)/10 = 9.28	Anghel, L.; Popovici, C.-G.; Stătescu, C.; Sascău, R.; Verdeș, M.; Ciocan, V.; Șerban, I.-L.; Mărănducă, M.A.; **Hudișteanu, S.-V.**; Țurcanu, F.-E. *Impact of HVAC-Systems on the Dispersion of Infectious Aerosols in a Cardiac Intensive Care Unit*. Int. J. Environ. Res. Public Health **2020**, 17, 6582. https://doi.org/10.3390/ijerph17186582 **Jwos - Article - Q1 (*JTOP*)**	3.390
22	(25+20*3.9)/5 = 20.6	Țurcanu, F.-E.; Popovici, C.-G.; Verdeș, M.; Ciocan, V.; **Hudișteanu, S.-V.** *Indoor Climate Modelling and Economic Analysis Regarding the Energetic Rehabilitation of a Church*. Energies **2020**, 13, 2815. https://doi.org/10.3390/en13112815 **Jwos - Article - Q3 (*FI>0.5*)**	3.9
23	25/4 = 6.25	N. C. Chereches, C. G. Popovici, V Cirlan, **S. V. Hudisteanu**, *Solar protection influence on dynamic insulation efficiency of double skin facades*, Sustainable Solutions for Energy and Environment (EENVIRO), Cluj Napoca, ROMANIA, 2018, E3S Web of Conferences, Volume 85, **2019**, doi:10.1051/e3sconf/20198504003 **Jwos - Proceedings Paper**	-
24	(25+20*1.334)/4 = 12.92	**S. V. Hudisteanu**, M. Pruteanu, T. D. Mateescu, M. Vasilache, *Experimental investigation of the effect of temperature on the photovoltaic panels' parameters*, Environmental Engineering and Management Journal, July **2017**, Vol.16, No. 7, 1643-1648 **Jwos - Article - Q3 (FI>0.5, *JPRI*)**	1.334
25	25/4 = 6.25	**S. V. Hudisteanu**, C. G. Popovici, T. D. Mateescu, N.-C. Chereches, *Efficiency analysis of BIPV systems for different locations in Romania*, Sustainable Solutions for Energy and Environment, EENVIRO 2016, 26-28 October 2016, Bucharest, Romania, Energy Procedia, Volume 112, **2017**, Pages 404-411, doi:10.1016/j.egypro.2017.03.1089 **Jwos - Proceedings Paper**	-
26	25/4 = 6.25	N.-C. Chereches, M. Chereches, L. Miron, **S. V. Hudisteanu**, *Numerical study of cooling solutions inside a power transformer*, Sustainable Solutions for Energy and Environment, EENVIRO 2016, 26-28 October 2016, Bucharest, Romania, Energy Procedia, Volume 112, **2017**, Pages 314-321, doi:10.1016/j.egypro.2017.03.1103 **Jwos - Proceedings Paper**	-

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare	FI
27	25/4 = 6.25	C. G. Popovici, **S. V. Hudisteanu**, T. D. Mateescu, N.-C. Chereches, *Efficiency improvement of photovoltaic panels by using air cooled heat sinks*, 2015 EENVIRO Conference on ,,Sustainable Solutions for Energy and Environment", Energy Procedia, Volume 85, January **2016**, Pages 425–432, EENVIRO-YRC 2015 - Bucharest, doi:10.1016/j.egypro.2015.12.223 **J_{WOS} - Proceedings Paper**	-
28	25/5 = 5	C. G. Popovici, V. V. Cirlan, T. D. Mateescu, N.-C. Chereches, **S. V. Hudisteanu**, *Influence of various angles of the venetian blind on the efficiency of a double skin facade*, 2015 EENVIRO Conference on ,,Sustainable Solutions for Energy and Environment", Energy Procedia, Volume 85, January **2016**, Pages 416–424, EENVIRO-YRC 2015 - Bucharest, doi:10.1016/j.egypro.2015.12.222 **J_{WOS} - Proceedings Paper**	-
29	25/4 = 6.25	C. Chereches, M. Chereches, L. Miron, **S. Hudisteanu**, *New Criterion Proposal for Transition from Natural to Forced Convection (Prescribed Wall Flux)*, 2015 EENVIRO Conference on ,,Sustainable Solutions for Energy and Environment", Energy Procedia, Volume 85, January **2016**, Pages 109–117, EENVIRO-YRC 2015 - Bucharest, doi:10.1016/j.egypro.2015.12.280 **J_{WOS} - Proceedings Paper**	-
30	25/2 = 12.5	C.-G. Popovici, **V. S. Hudișteanu**, *Numerical simulation of HVAC system functionality in a socio-cultural building*, 9th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015, 8-9 October 2015, Tirgu-Mures, Romania, Procedia Technology, Volume 22, **2016**, Pages 535–542, doi:10.1016/j.protcy.2016.01.113 **J_{WOS} - Proceedings Paper**	-
	Punctaj total: 300.23		

1.2 Articole* în reviste și volumele unor manifestări științifice indexate în baze de date internaționale (BDI)**

* Articolele indexate în ISI WOS care nu sunt luate în considerare la criteriul A1.1 pot fi echivalate cu articole BDI în forma 1 lucrare indexată ISI WOS este echivalentă cu o lucrare indexată în baze de date internaționale
** Bazele de date sunt: Web of Science, Scopus, Wiley, Springer, Science Direct, IEE, Engineering, ERIH +, Village, Proquest, EBSCO

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
0	*1*	*2*
1	20/6 = 3.333	Alexa, M.; Ţaranu, N.; **Hudişteanu, S.V**.; Cherecheş, N.C.; Hudişteanu, I., R A Polcovnicu, The Use of Artificial Intelligence in Evaluation of Heat Extracted from a PVT Panel. J. Phys. Conf. Ser. **2025**, 3071, 012014. DOI:10.1088/1742-6596/3071/1/012014. https://iopscience.iop.org/article/10.1088/1742-6596/3071/1/012014 **Baza de date: *Scopus***
2	20/6 = 3.333	Enaru, I.; **Hudişteanu, V.S**.; Burlacu, A.; Chereches, N.C.; Ţurcanu, F.E.; Hudişteanu, I. Impact of Storage Space Temperature Variations on Battery Efficiency for Photovoltaic Energy Systems. Journal of Physics: Conference Series **2025**, 3071, 1, DOI:10.1088/1742-6596/3071/1/012019 https://www.scopus.com/pages/publications/105014755186?origin=resultslist **Baza de date: *Scopus***
3	20/6 = 3.333	Panduru, R.M.; Baran, I.; Ţurcanu, E.F.; Dumitrescu, L.; **Hudişteanu, S.V.**; Cherecheş, N.C. Numerical Simulation of Gaseous Fluid Flow through Air Intake Diffuser Using ANSYS Fluent. J. Phys. Conf. Ser. **2025**, 3071, 012007, DOI:10.1088/1742-6596/3071/1/012007 https://www.scopus.com/pages/publications/105014762225?origin=resultslist **Baza de date: *Scopus***
4	20/7 = 2.857	Gherasim, I.; Gălăţanu, C.-D.; Bistriceanu, C.-E.; Ţurcanu, F.-E.; Roşu, P.-V.; **Hudişteanu, V.-S.**; Luciu, R.-S. The Effect of Artificial Lighting Spectrum on Students' Concentration. In Proceedings of the 10th Conference on Lighting, Iaşi, Romania, **2025**, DOI: 10.1109/LIGHTING64836.2025.11081790 https://www.scopus.com/pages/publications/105012574230?origin=resultslist **Baza de date: *Scopus***
5	20/5 = 4	Popovici, C.-G.; Ţurcanu, E.-F.; Ciocan, V.; Chereches, N.-C.; **Hudişteanu, S.-V**. Assessing the Impact of Air Conditioning Systems on Aerosol Dispersion within Intensive Care Units. Rom. J. Civ. Eng. **2025**, 16. DOI: 10.37789/rjce.2025.16. https://openurl.ebsco.com/contentitem/gcd:183713593?sid=ebsco:plink:crawler-gcd&id=ebsco:gcd:183713593&crl=f&jrnl=20683987 **Baza de date: *EBSCO***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
6	20/8 = 2.5	Popovici, C.G., Turcanu, E.F., Ciocan, V., Chereches, N.C., **Hudisteanu, S.V.**, Ancas, A.D., Verdes, M., Atanasiu, M.V., *NH3/H2O Absorption Cycle - Mathematical Model*, Revista Romana de Inginerie Civila (RJCE), 16(2), pp. 207-215, **2025**, DOI:10.37789/rjce.2025.16.2.9 **Baza de date: *EBSCO***
7	20/9 = 2.222	CG Popovici, EF Țurcanu, V Ciocan, NC Chereches, **SV Hudișteanu**, Ancaș A.D., Verdeș M, Atanasiu M.V., Burduhos Nergis D.D., Analysis of Phase Change Material in Room Wall for Thermal Regulation: A Computational Fluid Dynamics Approach, Revista Romana de Inginerie Civila 15 (4), 1-6, **2024**, DOI:10.37789/rjce.2024.15.4.11 https://www.proquest.com/openview/417e154c66f01e910f9b4883420a7b5a/1.pdf?cbl=2029207&pq-origsite=gscholar# **Baza de date: *ProQuest***
8	20/7 = 2.857	EF Țurcanu, V Ciocan, NC Chereches, **SV Hudişteanu**, AD Ancas, Verdeș M, Popovici C.G., Infectious airborne risk measurement in a classroom, Revista Romana de Inginerie Civila 15 (1), 1-6, **2024**, DOI:10.37789/rjce.2024.15.1.6 https://www.rric.ro/revista_en.php?id=48 **Baza de date: *ProQuest***
9	20/7 = 2.857	EF Țurcanu, V Ciocan, NC Chereches, **SV Hudișteanu**, AD Ancas, Verdeș M, Popovici C.G., Thermal analysis of storage tank PCM, Romanian Journal of Civil Engineering/Revista Română de Inginerie Civilă 14 (4), **2023**, DOI: 10.37789/rjce.2023.14.4.5. https://www.rric.ro/revista_en.php?id=47 **Baza de date: *ProQuest***
10	20/7 = 2.857	EF Țurcanu, V Ciocan, NC Chereches, **SV Hudișteanu**, AD Ancas, Verdeș M, Popovici C.G., Radiator heat transfer enhancement using nanofluid, Romanian Journal of Civil Engineering/Revista Română de Inginerie Civilă 14 (3), **2023**, DOI:10.37789/ijce.2023.14.3.13. https://www.proquest.com/openview/bc15a924389be440ee711a833487a2b9/1?pq-origsite=gscholar&cbl=2029207 **Baza de date: *ProQuest***
11	20/7 = 2.857	**Hudișteanu, S.-V.**; Țurcanu, F.-E.; Chereches, N.C.; Verdeș, M.; Ancaș, A.D.; Popovici, C.-G.; Ciocan, V. Mathematical Modelling and Design of Photovoltaic System for Free-Standing Application. Lecture Notes in Networks and Systems **2023**, 605 LNNS, 612–621. DOI:10.1007/978-3-031-22375-4_49 https://link.springer.com/chapter/10.1007/978-3-031-22375-4_49 **Baza de date: *Scopus***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
12	20/5 = 4	Alexa M, Ţăranu N, **Hudişteanu S-V**, Cherecheş N-C, Ţurcanu F-E. *Cooling Methods of Photovoltaic/Thermal Panels. State-of-the-Art Review.* Bulletin of the Polytechnic Institute of Iasi - Construction & Architecture Section. **2022**; 72(1):71–88, DOI:10.2478_bipca-2022-0006. https://research.ebsco.com/plink/eaa037ba-f129-322e-a906-74fd0f828640 **Baza de date: *EBSCO***
13	20/4 = 5	Polcovnicu, R.A.; Taranu, N.; Ungureanu, D.; **Hudisteanu, S.V**. WIND LOAD EVALUATION OF ROOF PHOTOVOLTAIC PANELS LOADED IN THE BOUNDARY LAYER WIND TUNNEL. International Journal of Modern Manufacturing Technologies **2022**, 14, 3, 205–210. DOI:10.54684/ijmmt.2022.14.3.205 https://www.scopus.com/pages/publications/85145281117?origin=resultslist **Baza de date: *Scopus***
14	20/5 = 4	**Hudisteanu S.V.**; Chereches, N-C ; Turcanu, F.E., Taranu, N.; Verdes, M., SOLAR RADIATION SIMULATION DEVICE FOR INVESTIGATION OF THERMAL AND PHOTOVOLTAIC PANELS, International Journal of Modern Manufacturing Technologies, ArticleOpen Access, **2022**, DOI: 10.54684/ijmmt.2022.14.3.76 https://www.scopus.com/pages/publications/85145295389?origin=resultslist **Baza de date: *Scopus***
15	20/8 = 2.5	**Hudișteanu, S V**; Cherecheș, N C; Popovici, C G; Verdeș, M; Ciocan, V; Balan, M C; Țurcanu, F E; Scurtu, I C, Effect of cooling on power generated by photovoltaic panels, IOP Conference Series. Materials Science and Engineering; Bristol Vol. 1141, Iss. 1, **2021**, DOI:10.1088/1757-899X/1141/1/012008 https://www.proquest.com/docview/2561948563?pq-origsite=gscholar&fromopenview=true&sourcetype=Scholarly%20Journals **Baza de date: *ProQuest***
16	20/5 = 4	Polcovnicu, R A; Țăranu, N; Ungureanu, D; Zghibarcea, Ș; **Hudișteanu, V S**., Modern manufacturing technology for modular photovoltaic panels: State-of-the-art and future trends, IOP Conference Series. Materials Science and Engineering; Bristol Vol. 1182, Iss. 1, (Oct **2021**). DOI:10.1088/1757-899X/1182/1/012062 https://www.proquest.com/docview/2585952917?pq-origsite=gscholar&fromopenview=true&sourcetype=Scholarly%20Journals **Baza de date: *ProQuest***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
17	20/5 = 4	**S V Hudișteanu**, C G Popovici, M Verdeș, V Ciocan, F E Țurcanu, *Case study on the efficiency improvement of photovoltaic panels by cooling*, Technium: Romanian Journal of Applied Sciences and Technology, 2, pp 85-90, **2020**. DOI:10.47577/technium.v2i1.46 https://techniumscience.com/index.php/technium/article/view/46 **Baza de date: *EBSCO***
18	20/7 = 2.857	**V S Hudișteanu**, N C Cherecheș, M Verdeș, V Ciocan, C G Popovici, F E Turcanu, M C Balan, Analysis of an innovative water-cooling solution for photovoltaic-thermal systems, IOP Conference Series: Earth and Environmental Science, Volume 664, The 7th Conference of the Sustainable Solutions for Energy and Environment 21-24 October **2020**, Bucharest, Romania DOI:10.1088/1755-1315/664/1/012025. https://www.scopus.com/pages/publications/85106436052?origin=resultslist **Baza de date: *Scopus***
19	20/5 = 4	F-E Turcanu, M Verdes, V Ciocan, C G Popovici, **S V Hudisteanu**, *The indoor climate modelling and the economic analysis regarding the energetic rehabilitation of church*, Technium: Romanian Journal of Applied Sciences and Technology, 1, pp 67-73, **2019**. DOI:10.47577/technium.v1i.116 https://techniumscience.com/index.php/technium/article/view/116 **Baza de date: *EBSCO***
20	20/2 = 10	**Hudisteanu, S.V.**, Popovici, C.G., Experimental investigation of the wind direction influence on the cooling of photovoltaic panels integrated in double skin facades, E3S Web of Conferences 111, 03045, **2019**, DOI: 10.1051/e3sconf/201911103045. https://www.scopus.com/pages/publications/85071838641?origin=resultslist **Baza de date: *Scopus***
21	20/2 = 10	**Hudisteanu, S.V.**, Popovici, C.G., Numerical analysis of the efficiency and energy production of the building integrated photovoltaics for various configurations, E3S Web of Conferences 111, 03044, **2019**, DOI: 10.1051/e3sconf/201911103044. https://www.scopus.com/pages/publications/85071847877?origin=resultslist **Baza de date: *Scopus***
22	20/7 = 2.857	V Ciocan, EF Țurcanu, M Verdeș, RS Luciu, MC Bălan, **SV Hudișteanu**, A Burlacu, Thermal comfort assessment for different heating system using CFD-modelling inside of an orthodox church, IOP Conference Series: Materials Science and Engineering 586 (1), 012042, **2019**/8, DOI: 10.1088/1757-899X/586/1/012042. https://www.scopus.com/pages/publications/85073535910?origin=resultslist **Baza de date: *Scopus***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
23	20/2 = 10	CG Popovici, **SV Hudişteanu**, Numerical analysis of heat exchanger with uniform heat flux used in heat pumps systems, IOP Conference Series: Materials Science and Engineering 586 (1), 012034, **2019**/8, DOI: 10.1088/1757-899X/586/1/012034 https://www.scopus.com/pages/publications/85073508359?origin=resultslist **Baza de date: *Scopus***
24	20/7 = 2.857	V Ciocan, EF Turcanu, M Verdeş, RS Luciu, MC Bălan, **SV Hudişteanu**, A Burlacu, Hygro-thermal monitoring inside Gheorghe Asachi library and their effects on heritage conservation, IOP Conference Series: Materials Science and Engineering 586 (1), 012043, **2019**/8 DOI: 10.1088/1757-899X/586/1/012043. https://www.scopus.com/pages/publications/85073570712?origin=resultslist **Baza de date: *Scopus***
25	20/7 = 2.857	EF Ţurcanu, V Ciocan, M Verdeş, RS Luciu, MC Bălan, **SV Hudişteanu**, A Burlacu, IR thermography applied in church heritage conservation, IOP Conference Series: Materials Science and Engineering 586 (1), 012041, **2019**/8, DOI: 10.1088/1757-899X/586/1/012041. https://www.scopus.com/pages/publications/85073523605?origin=resultslist **Baza de date: *Scopus***
26	20/6 = 3.333	**SV Hudişteanu**, V Ciocan, M Verdeş, NC Chereches, MC Bălan, EF Ţurcanu, Comparative analysis of heating systems used in Orthodox churches, IOP Conference Series: Materials Science and Engineering 586 (1), 012035, **2019**/8, DOI: 10.1088/1757-899X/586/1/012035 https://www.scopus.com/pages/publications/85073500515?origin=resultslist **Baza de date: *Scopus***
27	20/7 = 2.857	M Verdeş, V Ciocan, EF Ţurcanu, RS Luciu, MC Bălan, **SV Hudişteanu**, A Burlacu, Microclimate analysis in Gheorghe Asachi auditorium: showcase for the indoor climate performance, IOP Conference Series: Materials Science and Engineering 586 (1), 012036, **2019**/8, DOI: 10.1088/1757-899X/586/1/012036. https://www.scopus.com/pages/publications/85073495855?origin=resultslist **Baza de date: *Scopus***
28	20/3 = 6.667	**Hudişteanu, S.V.**, Popovici, C.G., Chereches, N.-C., Wind tunnel study of natural ventilation of building integrated photovoltaics double skin façade, E3S Web of Conferences, Vol. 32, 01020, **2018**, DOI: 10.1051/e3sconf/20183201020 https://www.scopus.com/pages/publications/85042932244?origin=resultslist **Baza de date: *Scopus***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
29	20/3 = 6.667	Popovici, C.G., **Hudişteanu, S.V.**, Chereches, N.-C., The necessity of HVAC system for the registered architectural cultural heritage building, E3S Web of Conferences, Vol. 32, 01008, **2018**, DOI: 10.1051/e3sconf/20183201008 https://www.scopus.com/pages/publications/85042907391?origin=resultslist **Baza de date: *Scopus***
30	20/5 = 4	**S. V. Hudisteanu**, T. D. Mateescu, V. Ciocan, C. E. Teleman, G. Băetu, Wind tunnel investigation of natural ventilation inside double skin façades, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgem.org, SGEM2017 Conference Proceedings, ISSN 1314-2704, 29 June - 5 July, **2017**, Vol. 17, Issue 42, 691-698 pp, DOI:10.5593/sgem2017/42/S17.086 **Baza de date: *Scopus***
31	20/3 = 6.667	**V.S. Hudisteanu**, T.D. Mateescu, C.G. Popovici, Comparative study of water film heat exchangers for cooling photovoltaic panels, Proceedings of the international scientific conference CIBV **2015**,30th-31th of october, Transilvania University Publishing House, Braşov, pag. 385-393. https://webbut.unitbv.ro/index.php/Series_I/article/download/4293/3322/8171 **Baza de date: *EBSCO***
32	20/4 = 5	**S. V. Hudisteanu**, T. D. Mateescu, C. G. Popovici, N.-C. Chereches, The influence of the building integrated photovoltaic panels position on the conversion efficiency, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Vol. 62 (66), Nr. 2, **2016**, Secţia CONSTRUCŢII. ARHITECTURĂ, pag. 93-103. https://research.ebsco.com/plink/cef7976d-fac3-3740-a41c-b7d0f86099f1 **Baza de date: *EBSCO***
33	20/3 = 6.667	**S. V. Hudisteanu**, T. D. Mateescu, C. G. Popovici, Five parameter model of photovoltaic panel implemented in Matlab/Simulink, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi Tomul LXI (LXV), Fasc. 3, **2015**, Secţia CONSTRUCŢII. ARHITECTURĂ, pag. 93-102. https://research.ebsco.com/plink/ab69b2d5-5b55-39cd-8e73-e7f7ffd42e2e **Baza de date: *EBSCO***
34	20/2 = 10	C. G. Popovici, **S. V. Hudisteanu**, Comparative analysis of HVAC system functionality in "Vasile Alecsandri" National Theatre of Jassy, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi Tomul LXI (LXV), Fasc. 2, **2015**, Secţia CONSTRUCŢII. ARHITECTURĂ, pag. 43-51. https://research.ebsco.com/plink/36caa660-d3d6-3182-b10e-94d120454624 **Baza de date: *EBSCO***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
35	20/4 = 5	**S. Hudisteanu**, T. Mateescu, N.-C. Chereches, C.-G. Popovici, Numerical study of air cooling photovoltaic panels using heat sinks, Revista Romana de Inginerie Civila, Volumul 6 (**2015**), Nr 1, p. 11-20. https://www.rric.ro/revista_en.php?id=13 **Baza de date: *EBSCO***
36	20/3 = 6.667	M. Chereches, N-C. Chereches, **S.V. Hudişteanu**, The influence of different flow velocities on the heat transfer inside a ventilated façade, Romanian Journal of Civil Engineering, Volumul 5 (**2014**), Nr. 1, pag 19-26. https://www.rric.ro/revista_en.php?id=10 **Baza de date: *EBSCO***
37	20/2 = 10	C.-G. Popovici, **S. Hudisteanu**, Numerical study of the efficiency of flat plate solar collectors in different external conditions, Applied Mechanics and Materials Vol. 659 (2014) pp 435-439, (**2014**) Trans Tech Publications, Switzerland, DOI:10.4028/www.scientific.net/AMM.659.435 **Baza de date: *ProQuest***
38	20/5 = 4	**S. Hudişteanu**, C.-F. Poenari, B-I. Balint, M. Chereches, N.-C. Chereches, Energy saving analysis inside a double skin facade, Mathematical Modelling in Civil Engineering Journal, Special Issue, pg. 78-83, **2013**. https://mcee.utcb.ro/view-articles/archive/17-2013/47-scientific-journal-special-issue.html **Baza de date: *EBSCO***
39	20/3 = 6.667	**S. Hudişteanu**, N.-C. Chereches, M. Chereches, Numerical modeling of solar radiation inside ventilated double-skin facade, Mathematical Modelling in Civil Engineering Journal, Nr.4, Vol. 8, **2012**, pg. 96-101. https://research.ebsco.com/plink/84140ca9-e97f-30e2-a5ee-d4e4336c1bbb **Baza de date: *EBSCO***
40	20/3 = 6.667	M. Chereches, N. - C. Chereches, **S. Hudişteanu**, Indicateurs énergétiques specifiques aux façades ventilées et vitrées, Construcții Journal, Vol. 13, Issue 2, **2012**, pg. 24-30. https://research.ebsco.com/plink/d8b2280e-8106-3b6c-9473-37d8a4d6a402 **Baza de date: *EBSCO***
	Punctaj total: 192.79	

1.4 Atragerea de fonduri pentru cercetare prin Granturi, Proiecte Contracte, câștigate prin competiție națională sau internațională, în calitate de Director sau Responsabil sau Responsabil contract/proiect echivalent

1.4.1 Director (pentru instituția coordonatoare) / responsabil (pentru instituția parteneră)
1.4.1.2 Granturi de cercetare naționale

Nr. crt.	Rezultate (punctaje)	Titlul proiectului
1	20	CONTRACT DE FINANȚARE PENTRU EXECUȚIE PROIECTE NR. 443PED/2020 (PN-III-P2-2.1-PED-2019-1294), ÎMBUNĂTĂȚIREA EFICIENȚEI PANOURILOR FOTOVOLTAICE PRIN RĂCIRE PASIVĂ ȘI ACTIVĂ [COOLPV], http://www.cool-pv.ci.tuiasi.ro, 600.000,00 RON, **DIRECTOR**, **2020-2022**.
2	10	CONTRACT DE FINANȚARE PENTRU EXECUȚIE PROIECTE NR. 3SSSC/2025 (PN-IV-P10-SS-SC-2024-0017), Stimularea colaborării și interesului elevilor pentru știință și inovare prin cercetare și explorare - [SCIENCE4ALL], https://www.science4all.ci.tuiasi.ro/, 250.000,00 RON, **DIRECTOR, 2025-2026.**
Punctaj total: 30		

1.4.2 Membru în echipa de implementare a grantului

1.4.2.1 Granturi de cercetare internaționale

Nr. crt.	Rezultate (punctaje)	Titlul proiectului
1	10*4 = 40	Proiect Transforming Education Area and Competency Hub for Sustainable Development (TEACH4SD), ERASMUS-EDU-2022-PEX-COVE, Universitatea Tehnică "Gheorghe Asachi" din Iași, Director: Șef.lucr.dr.ing. Ioana Olteanu, **2024–2027**.
Punctaj total: 40		

1.4.2.2 Granturi de cercetare naționale

Nr. crt.	Rezultate (punctaje)	Titlul proiectului
1	5*1 = 5	Schimbător de căldură cu flux termic uniform integrat ca sursă rece în sistemele de încălzire-climatizare echipate cu pompe de căldură [HEUTF], Contract de finanțare pentru execuție proiecte NR 257CI/2018, Cod proiect: PN-III-P2-2.1-CI-2018-1491, Responsabil Conf.dr.ing. Catalin George Popovici, Beneficiar: Eco Term SRL, Furnizor servicii: Universitatea Tehnică "Gheorghe Asachi" Din Iaşi, **2018**.
2	5*1 = 5	Acumulator termic sezonier pentru valorificarea energiei neconvenţionale, destinat sistemelor de instalaţii echipate cu pompe de căldură [SHSRE], Contract de finanțare pentru execuție proiecte NR 258CI/2018, Cod proiect: PN-III-P2-2.1-CI-2018-1494, Responsabil Conf.dr.ing. Catalin George Popovici, Beneficiar: Mag Construct Company SRL, Furnizor servicii: Universitatea Tehnică "Gheorghe Asachi" din Iaşi, **2018**.

Nr. crt.	Rezultate (punctaje)	Titlul proiectului
3	5*1 = 5	Grant: ARUT - GNaC 2023_258 /2024 - Optimizarea spectrală a iluminatului artificial în clădirile de învățământ (OPTILUM); MEMBRU, Director: Conf.dr.ing. Iulian Gherasim, **2024-2025.**
Punctaj total: 15		

1.5. Responsabil de proiecte de cercetare/consultanță (fiecare proiect considerat la calculul punctajului trebuie să fie în valoare de minim 50000 lei pentru instituția la care responsabilul era/este titular)

Nr. crt.	Rezultate (punctaje)	Titlul proiectului
1	5	Proiectul privind Învățământul Secundar (ROSE), Schema de Granturi pentru Universități, Learn-ing AG311/SGU/PV/III, 914.617,00 RON, **DIRECTOR, 2020-2024.**
Punctaj total: 5		

Recunoastere și impactul activității (A2)

2.1 Citări ale tuturor lucrărilor de tip articol sau proceedings vizibile în WOS (Citări ale tuturor lucrărilor de tip articol sau proceedings vizibile in WOS (Se iau în considerare doar citările vizibile in WOS excluzând autocitările)) N_C

Nr. crt.	Activități	nr citări	Punctaj
2.1.1	C. G. Popovici, **S. V. Hudisteanu**, T. D. Mateescu, N.-C. Chereches, *Efficiency improvement of photovoltaic panels by using air cooled heat sinks*, 2015 EENVIRO Conference on ,,Sustainable Solutions for Energy and Environment", Energy Procedia, Volume 85, January **2016**, Pages 425–432, EENVIRO-YRC 2015 - Bucharest, doi:10.1016/j.egypro.2015.12.223	**193**	**1930**
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	1. Hao, J.; Pan, L.; Wang, Y.; Zhao, Z.; Wang, W.; Wang, C.S. A study on the passive cooling performance of photovoltaic modules based on novel composite spoiler fins.Applied Thermal Engineering, 307(1), 133285, 2026. DOI: 10.1016/j.applthermaleng.2026.133285	1	10
	2. Deokar, Vinayak H.; Bindu, Rupa S.; Potdar, S. S.. Active cooling system for efficiency improvement of PV panel and utilization of waste-recovered heat for hygienic drying of onion flakes. JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 2021, 32(2), 2088–2102. https://doi.org/10.1007/s10854-020-04975-3.	1	10
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	4. Xu, Hang; Ran, Maoyu; Hu, Huiling. Thermo-electrical modeling and experimental validation of photovoltaic panels with back-surface capillary material for passive evaporative cooling☆. ENERGY AND BUILDINGS, 2026, 369, 117870. https://doi.org/10.1016/j.enbuild.2026.117870.	1	10
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	9. El Manssouri, Oussama; El Fouas, Chaimae; Hajji, Bekkay; Hajji, Mohamed; Aneli, Stefano; Gagliano, Antonio. Performance enhancement of an air-cooled PV/T system with a fins and ribs design. THERMAL SCIENCE AND ENGINEERING PROGRESS, 2026, 73, 104666. https://doi.org/10.1016/j.tsep.2026.104666.	1	10
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	3. Liu, Qinggang; Wang, Zhenhua; Zhang, Jinzhu; Liu, Ningning; Chen, Rui; Luo, Pengcheng. Multi-objective optimization of pressure in self-pressurized irrigation networks based on meta-heuristic algorithm with valve openings. COMPUTERS AND ELECTRONICS IN AGRICULTURE, 2025, 237, 110542. https://doi.org/10.1016/j.compag.2025.110542.	1	10
	4. Gao, Xuehui; Qin, Guopeng; Yin, Feihu; Liu, Jian; Lin, Haixia; Yuewen; Wang, Zhen; Javed, Tehseen; Zhang, Jinzhu; Wang, Zhenhua. Multi-objective optimization of cropping structures and irrigation strategies for sustainable agricultural development in arid regions. AGRICULTURAL WATER MANAGEMENT, 2025, 321, 109909. https://doi.org/10.1016/j.agwat.2025.109909.	1	10
	5. Xu, Mao-Kai; Li, Xiang; Feng, Cai-Ru; Li, Xue-Ling; Yang, Zhen-Guo. Failure Analysis on Premature Fracture of Polyethylene Pipe for Floor Heating System. JOURNAL OF FAILURE ANALYSIS AND PREVENTION, 2023, 23(2), 643–658. https://doi.org/10.1007/s11668-023-01591-1.	1	10

2.1.14	**Hudișteanu, V.-S.**; Nica, I.; Verdeș, M.; Hudișteanu, I.; Chereches, N.-C.; Țurcanu, F.-E.; Gherasim, I.; Galatanu, C.-D., *Technical and Economic Analysis of Sustainable Photovoltaic Systems for Street Lighting*. Sustainability **2025**, 17, 7179. https://doi.org/10.3390/su17167179	**4**	40
	Citări în lucrări de tip articol sau proceedings vizibile în WOS		
	1. Sariisik, Gencay; Ilhan, Nagehan; Demir, Sercan. Integrated Data-Driven and Interaction-Based Evaluation of Hybrid PV-Wind Systems for Sustainable Urban Park Lighting Design. BUILDINGS, 2026, 16(14), 2891. https://doi.org/10.3390/buildings16142891.	1	10

Nr. crt.	Activități	nr citări	Punctaj
	2. Sariisik, Gencay; Ogutlu, Ahmet Sabri; Demir, Sercan; Ilhan, Nagehan; Abualigah, Laith. Machine learning-driven forecasting and robustness analysis of hybrid wind-solar energy systems for urban street lighting applications. ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, 2026, 181, 115755. https://doi.org/10.1016/j.engappai.2026.115755.	1	10
	3. Hammood, Manar Maslat; Elmitwally, Akram; Zaki, Mohamed. Techno-Economic Optimization of a PV-Battery Solar Highway Lighting System with IoT-Based Monitoring: A Case Study in Egypt. APPLIED SYSTEM INNOVATION, 2026, 9(7), 153. https://doi.org/10.3390/asi9070153.	1	10
	4. Thango, Bonginkosi A.; Saruchera, Fanny. A Decision Support Framework for Solar PV System Selection in SMMEs Using a Multi-Objective Optimization by Ratio Analysis Technique. INFORMATION, 2025, 16(10), 889. https://doi.org/10.3390/info16100889.	1	10

2.1.15	**S. V. Hudisteanu**, C. G. Popovici, T. D. Mateescu, N.-C. Chereches, *Efficiency analysis of BIPV systems for different locations in Romania*, Sustainable Solutions for Energy and Environment, EENVIRO 2016, 26-28 October 2016, Bucharest, Romania, Energy Procedia, Volume 112, **2017**, Pages 404-411, doi: 10.1016/j.egypro.2017.03.1089	**3**	**30**
	Citări în lucrări de tip articol sau proceedings vizibile în WOS		
	1. Zeynali, Shahrzad; Nazififard, Mohammad; GP IEEE. Integrating Photovoltaic Systems into Urban Infrastructure: A Case Study of Tehran International Tower. 2024 11TH IRANIAN CONFERENCE ON RENEWABLE ENERGY AND DISTRIBUTION GENERATION, ICREDG 2024, 2024. https://doi.org/10.1109/ICREDG61679.2024.10607829.	1	10
	2. Fratean, Adrian; Dobra, Petru. Technical and economic viability of greenfield large scale photovoltaic plants in Romania. SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, 2022, 53, 102486. https://doi.org/10.1016/j.seta.2022.102486.	1	10
	3. Ba Jingkang; Huang Xiaoli; Yan Guogang; Wang Xiaojing; GP IOP. Performance Analysis of the BIPV of an Industrial Park in Wuhan. 2018 2ND INTERNATIONAL CONFERENCE ON POWER AND ENERGY ENGINEERING (ICPEE 2018), 2018, 192, 012051. https://doi.org/10.1088/1755-1315/192/1/012051.	1	10

2.1.16	Popovici CG, Enaru I, Aioanei CC, Ţurcanu FE, **Hudişteanu SV**, Chereches NC, Verdeș M, Ancaș DA, Ciocan V. *Fire and Artificial Intelligence (AI): How AI Anticipates Human Behaviour in Fire Situations- Case Study of the Colectiv Fire*. Journal of Applied Engineering Sciences. University of Oradea, Civil Engineering and Architecture Faculty, **2024**;14(1): 71-80. https://doi.org/10.2478/jaes-2024-0009	**4**	**40**
	Citări în lucrări de tip articol sau proceedings vizibile în WOS		
	1. Ternero, R.; Alfaro, M.; Larrain, G.; Fuertes, G.; Torres, J.P.; Santander, P. Impact of Spatial Knowledge on Fire Evacuation Performance in Large Buildings: An Integrated Simulation Approach. Smart Cities 2026, 9, 128. https://doi.org/10.3390/smartcities9080128	1	10
	2. Zhang, Chenpu; Liu, Fengtao. Simulation research on evacuation of public buildings based on BIM technology and fuzzy algorithm. SCIENTIFIC REPORTS, 2026, 16(1), 22158. https://doi.org/10.1038/s41598-026-53101-6.	1	10

Nr. crt.	Activități	nr citări	Punctaj
	3. Ene, Iulian-Cristian; Iordache, Vlad; Ionescu, Dan-Adrian; Bode, Florin; Nastase, Ilinca; Anghel, Ion. Influence of Fire Source Elevation on Positive Pressure Ventilation Effectiveness in Multi-Story Building Stairwells. FIRE-SWITZERLAND, 2026, 9(4), 157. https://doi.org/10.3390/fire9040157.	1	10
	4. Manea, Florin; Ilia, Gheorghe; Ghicioi, Emilian; Pupazan, Daniel Gheorghe; Prodan, Maria; Nicola, Aurelian Horia. The Experimental Study of Flame Behavior of Flexible Polyurethane Foam (Sponge), as a Sound-Absorbing Element. FIRE-SWITZERLAND, 2025, 8(4), 127. https://doi.org/10.3390/fire8040127.	1	10

2.1.17	Țurcanu, F.-E.; Popovici, C.-G.; Verdeș, M.; Ciocan, V.; **Hudișteanu, S.-V.** *Indoor Climate Modelling and Economic Analysis Regarding the Energetic Rehabilitation of a Church.* Energies **2020**, 13, 2815. https://doi.org/10.3390/en13112815	**3**	**30**
	Citări în lucrări de tip articol sau proceedings vizibile în WOS		
	1. Lin, Xiaojie; Zhang, Ning; Du-Ikonen, Liuliu; Yuan, Xiaolei; Zhong, Wei. Investigation of building load prediction models based on integration of mechanism methods and data-driven models. ENERGY, 2025, 324, 135933. https://doi.org/10.1016/j.energy.2025.135933.	1	10
	2. Florescu, Oana; Ichim, Pavel; Sfica, Lucian; Kadhim-Abid, Adriana-Lucia; Sandu, Ion; Nanescu, Monica. Risk Assessment of Artifact Degradation in a Museum, Based on Indoor Climate Monitoring-Case Study of "Poni-Cernatescu" Museum from Iasi City. APPLIED SCIENCES-BASEL, 2022, 12(7), 3313. https://doi.org/10.3390/app12073313.	1	10
	3. Aparicio-Fernandez, Carolina; Vivancos, Jose-Luis; Perez-Andreu, Victor; Molines-Cano, Jose M.. Impact of human activity on the thermal behaviour of an unheated church. CASE STUDIES IN THERMAL ENGINEERING, 2021, 28, 101599. https://doi.org/10.1016/j.csite.2021.101599.	1	10

2.1.18	Polcovnicu, R.-A.; **Hudișteanu, S.-V.**; Țăranu, N.; Ungureanu, D.; Alexa, M.; Hudișteanu, I.; Onuțu, C.; Mustiață, A.-F., *Experimental Investigation of Wind Effect on Roof Configurations with Photovoltaic Panel Systems for Sustainable Building Design*, Sustainability **2025**, 17, 4739. https://doi.org/10.3390/su17104739	**3**	**30**
	Citări în lucrări de tip articol sau proceedings vizibile în WOS		
	1. Huang, D.P.; Zhao, L.J.; Fu, H.Y.; Zhou, R.; He, M.J. Wind Load Shape Coefficients of Mega-Scale Photovoltaic Arrays: A CFD Investigation of Shielding Effects and Module Arrangements. Energies 2026, 19, 4094. https://doi.org/10.3390/en19174094	1	10
	2. Metrouni, Tarek; Manguri, Ahmed; Szczepanski, Marcin. Computational Modeling, Optimization, and Machine-Learning Methods for Double-Layer Tensegrity Grid Structures: A Comprehensive Review. ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING, 2026. https://doi.org/10.1007/s11831-026-10575-x.	1	10
	3. Akpinar, Ebru; Papatya, Fatma; Das, Mehmet; Yildirim, Suna; Alatas, Bilal; Catalkaya, Murat; Akay, Orhan E.. Sustainable Solar Panel Efficiency Optimization with Chaos-Based XAI: An Autonomous Air Conditioning Cabinet-Based Approach. SUSTAINABILITY, 2025, 17(16), 7514. https://doi.org/10.3390/su17167514.	1	10

Nr. crt.	Activități	nr citări	Punctaj
2.1.19	C. Chereches, M. Chereches, L. Miron, **S. Hudisteanu**, *New Criterion Proposal for Transition from Natural to Forced Convection (Prescribed Wall Flux)*, 2015 EENVIRO Conference on ,,Sustainable Solutions for Energy and Environment", Energy Procedia, Volume 85, January **2016**, Pages 109–117, EENVIRO-YRC 2015 - Bucharest, doi:10.1016/j.egypro.2015.12.280	**1**	**10**
	Citări în lucrări de tip articol sau proceedings vizibile în WOS		
	1. Guo, Yuefeng; Su, Xingkang; Wang, Guan; Lin, Huan; Lin, Cong; Gu, Long. Numerical investigation of mixed and natural convection in 19-pin fuel assemblies with wire-wrapped based on the SST k-ω-DHFM model. ANNALS OF NUCLEAR ENERGY, 2026, 225, 111761. https://doi.org/10.1016/j.anucene.2025.111761.	1	10
2.1.20	Alexa M, Ţăranu N, **Hudişteanu SV**, Cherecheş NC, Ţurcanu FE, Ancaş D, Verdeş M, Popovici CG, Ciocan V, Hudişteanu I. *Graphical Interface for Electrical Dimensioning of an On-Grid Photovoltaic System*. Journal of Applied Engineering Sciences. University of Oradea, Civil Engineering and Architecture Faculty, **2024**;14(1): 1-10. https://doi.org/10.2478/jaes-2024-0001	**1**	**10**
	Citări în lucrări de tip articol sau proceedings vizibile în WOS		
	1. Liu, Jun; Chu, Fangcheng; Lu, Yang; Gao, Jianhong; GP IEEE. Standardized Data Model of State Grid Cloud Unified Interface based on High Reliability Environment. 2025 INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND KNOWLEDGE EXTRACTION, ICICKE, 2025, 1622. https://doi.org/10.1109/ICICKE65317.2025.11136288.	1	10
2.1.21	N. C. Chereches, C. G. Popovici, V Cirlan, **S. V. Hudisteanu**, *Solar protection influence on dynamic insulation efficiency of double skin facades*, Sustainable Solutions for Energy and Environment (EENVIRO), Cluj Napoca, ROMANIA, 2018, E3S Web of Conferences, Volume 85, **2019**, doi: 10.1051/e3sconf/20198504003	**1**	**10**
	Citări în lucrări de tip articol sau proceedings vizibile în WOS		
	1. Wang, Zhiqiang; Tian, Qi; Jia, Jie. The Convective Heat Transfer Performance and Structural Optimization of the Cavity in Energy-Saving Thermal Insulation Windows under Cold Air Penetration Condition. ENERGIES, 2022, 15(7), 2481. https://doi.org/10.3390/en15072481.	1	10
2.1.22	C.-G. Popovici, **V. S. Hudișteanu**, *Numerical simulation of HVAC system functionality in a socio-cultural building*, 9th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015, 8-9 October 2015, Tirgu-Mures, Romania, Procedia Technology, Volume 22, **2016**, Pages 535–542, doi:10.1016/j.protcy.2016.01.113	**1**	**10**
	Citări în lucrări de tip articol sau proceedings vizibile în WOS		

Nr. crt.	Activități	nr citări	Punctaj
	1. Popovici, Catalin George; BE Anton, A; Balan, C; Balan, MC; Bode, F; Bosschaerts, W; Croitoru, C; Inard, C; Meslem, A; Nastase I; Sandu, M. HVAC system functionality simulation using ANSYS-Fluent. SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT, EENVIRO 2016, 2017, 112, 360–365. https://doi.org/10.1016/j.egypro.2017.03.1067.	1	10

2.1	**TOTAL**	**438**	**4380**

2.3 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:

2.3.1 – minim 2 colective de redacție și minim 8 recenzii

2.3.2 – minim 2 colective de redacție și minim 8 recenzii

2.3.3 – minim 2 comitete științifice și minim 12 recenzii

Obs.: Pentru reviste, comitete științifice internaționale, valorile minime specificate se împart la 2.

2.3.1 Membru în colective de redacție sau recenzor pentru reviste cotate ISI

Nr. crt.	Activitate / Revistă
1	Recenzor **Energies**, 2020-2022, pentru articolele: **1.** High – Pressure Fast Pyrolysis of Biomass **2.** A pre-feasibility solar photovoltaic tool for small island developing states **3.** Reduced Model and Comparative Analysis of the Thermal Performance of Indirect Solar Dryer with and without PCM **4.** Crack Extraction for Polycrystalline Solar Panels
2	Recenzor **Electronics**, 2021, pentru articolele: **5.** An Improved Sliding Mode Controller for MPP Tracking of the Photovoltaics **6.** A United Control Strategy of Photovoltaic-Battery Energy Storage System Based on Voltage-Frequency Controlled VSG
3	Recenzor **Energy Sources, Part A: Recovery, Utilization and Environmental Effects**, 2022, pentru articolele: **7.** Experimental investigation of Effect of Dust Accumulation and Discoloration on Photovoltaic Panel Material **8.** Performance Analysis of Solar PV system using customise wireless data acquisition system and novel cleaning technique
	Punctaj = 20

2.3.2 Membru în colective de redacție sau recenzor pentru reviste cotate BDI

Nr. crt.	Activitate / Revistă
1	Recenzor **Energy Exploration & Exploitation**, 2018-2020, pentru articolele: **1.** Does change of industrial structure affect energy consumption structure: A study based on the perspective of energy grade calculation **2.** Effect of Heat Transfer Coefficient on Building Envelope Performances and Envelope Optimization Design Method for Prefabricated Toilet
2	Recenzor **Atmosphere**, 2022, pentru articolele: **3.** Numerical Study on Microclimate and Outdoor Thermal Comfort of Street Canyon Typology in Extremely Hot Weather - A Case Study of Busan, South Korea

Nr. crt.	Activitate / Revistă
	4. Performance Evaluation of the RANS Models in Predicting the Pollutant Concentration field Within a compact Urban Setting: Effects of the Source Location and Turbulent Schmidt Number
3	Recenzor **Heat Transfer - Asian Research**, 2022, pentru articolele: **5.** A parametric study of a photovoltaic panel with cylindrical fins under still and moving air conditions in Iraq **6.** An experimental investigation to augment the efficiency of photovoltaic panels by using longitudinal fins
4	Recenzor **Heat Transfer - Asian Research**, 2019-2021, pentru articolele: **7.** Further progress in the research of fin based passive cooling technique for the free-standing silicon photovoltaic panels **8.** Novel silica-based PV glass cover with nano-pyramidal coating providing higher radiative cooling and power production compared to state-of-the-art glass covers
	Punctaj = 12

2.3.3 Membru în comitete științifice, organizator sau recenzor pentru manifestări științifice

Nr. crt.	Activitate / Manifestare științifică
1	Recenzor si membru: **Building Services and Energy Efficiency e-Conference**, July 2, 2020 - July 3, 2020, Iași, Romania: **1.** Experimental research of mitigation systems for controlling and reducing radon exposure in residential buildings **2.** Parametric optimization and calculation of vibrations introducted by propulsion installation **3.** Experimental investigation on the sound pressure level for different acoustic treatment of thermal power plants **4.** Experimental study of an indoor air purifier on the air quality inside an appartment Influence of shading systems on energy performance of buildings with large glazing areas
2	Recenzor şi membru în comitetul ştiinţific: **REHVA 13th HVAC World Congress – CLIMA** 2019, Bucharest: **5.** Performance investigation of indoor thermal environment and air handling unit in a hub airport terminal **6.** Ventilation and environmental control of underground spaces: a short review **7.** Primary energy and economic performances of mechanical ventilation retrofit solutions for Swedish multi-storey residential buildings **8.** Compact ventilation and heat pump with recirculation air for renovation of small apartments **9.** An industry perspective on building simulations with solar shading **10.** The Influence on Daylight and Energy Consumption of Expanded Metal Mesh Applied on Building Façades **11.** Optimal design of an indoor environment using an adjoint RNG k-ε turbulence model
3	Recenzor şi membru în comitetul ştiinţific: **15th Computational Civil Engineering Conference – CCE 2019**, 30-31 May, Iasi: **11.** Energy efficiency in historic buildings
4	Recenzor si membru: **27th International Conference – BSEE 2017, Building Services and Energy Efficiency**, 6 – 7 July 2017, IASI: **12.** Energy efficiency in historic buildings **13.** Energy from renewable sources for improving energy efficiency in heritage historic buildings
5	Recenzor şi membru în comitetul ştiinţific: **Computational Civil Engineering CCE2017**, Iasi: **14.** Benchmark Analysis Between a Two-Zone Fire Model and a CFD Fire Model
	Punctaj = 8

Data:

Conf.univ.dr.ing. HUDIȘTEANU VALERIU-SEBASTIAN