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: **POPOVICI CĂTĂLIN GEORGE** / Data naşterii: **30.09.1966** / Funcţia ocupată: **conferenţiar universitar**

Data numirii în funcţia actuală: **29.09.2003 (Decizia Rectorului TUIASI nr. 1270/29.09.2003)**

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: Condiţii minimale

Nr. crt.	Condiţii 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	624.23	*Criteriu îndeplinit*
		Minim 40 de puncte din capitolele A 1.4 + A1.5	80,00	*Criteriu îndeplinit*
3	Recunoaștere și impactul activității (A2)	**Minim 160 puncte**	3.488,00	*Criteriu îndeplinit*
TOTAL			4.192,23	-

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} = **23** total $J_{WOS,FI>0.5}$ = 14 (minim 8) J_{TOP} = 6 (minim 4) J_{PRI} = 3 (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	**222.34**
		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} = **57** (minim 12)	20/nr. de autori	**401.89**
		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 = 624.23 (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)	**20**
			1.4.2. *Membru* în echipa de implementare a grantului	1.4.2.1 granturi de cercetare internaționale	Nu există condiții minimale		10 x număr ani de desfășurare (participarea se dovedește prin fișele de pontaj)	
				1.4.2.2 granturi de cercetare naționale	Nu există condiții minimale	**5**	5 x număr ani de desfășurare (participarea se dovedește prin fisele de pontaj)	**55**

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 = 80 (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 = 348 (minim 15 citări)	N_C x 10	3480
		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		20	
				2.3.2 Membru în colective de redacție sau recenzor pentru reviste indexate BDI	Nu există condiții minimale		12	
				2.3.3 Membru în comitete științifice, "organizator sau recenzor" pentru manifestări științifice	Nu există condiții minimale		8	8
				2.3.4 Coordonator echipe studențești premiate la concursuri naționale și internaționale	Nu există condiții minimale	-	12	-
	Punctaj capitolul A2 = 3488 (Minim 160 de puncte)							***Criteriu îndeplinit***

Data: 01.10.2026

Conf.univ. dr.ing. Popovici Cătălin-George

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 = 4.500	Claudiu ROMILA, **Cătălin-George POPOVICI**, Florin-Emilian ȚURCANU, Sebastian-Valeriu HUDIȘTEANU, Cristian Nelu CHERECHEȘ, Ana Diana ANCAȘ, Iulian GHERASIM, Djelloul BELKACEMI, Kinga JEŻ, Mohammad AL-RAWI *ANALYSIS OF INDOOR CLIMATE FOR THE SUSTAINABLE HEATING SYSTEM OF A ROMANIAN HERITAGE CHURCH* INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume 17, Issue 3, 2026: 1257-1270 ,**2026** https://doi.org/10.36868/IJCS.2026.03.26 **J_{WOS} - Article – Q1 (FI>0.5 J_{PRI})**	1
2	(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
3	(25+20*0.7)/8 = 4.875	**Popovici CG,** Filipescu G, Chereches 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 **J_{WOS} - Article - Q4 (FI>0.5 J_{PRI})**	0.7
4	(25+20*0.7)/9 = 4.333	**Popovici CG,** Enaru I, Aioanei CC, Țurcanu FE, Hudișteanu 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 **J_{WOS} - Article - Q4 (FI>0.5 J_{PRI})**	0.7
5	(25+20*0.7)/10 = 3.9	Alexa M, Țăranu N, Hudișteanu SV, Chereches NC, Țurcanu FE, Ancaș D, Verdeș M, **Popovici CG**, Ciocan V, Hudișteanu 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 **J_{WOS} - Article - Q4 (FI>0.5)**	0.7

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare	FI
6	(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)**	1.00
7	(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,)**	2.7
8	(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,)**	3.4
9	(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,)**	2.838
10	(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)**	2.838
11	(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,*)**	0.916
12	(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 (J_{TOP})**	3.390

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare	FI
13	(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
14	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**, https://doi.org/10.1051/e3sconf/20198504003 **Jwos - Proceedings Paper**	-
15	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, https://doi.org/10.1016/j.egypro.2017.03.1089 **Jwos - Proceedings Paper**	-
16	*25/4= 6,25*	**Popovici, C.G.**, Mateescu, T., Luciu, R., Cazacu, I. , ***Innovative Solutions for Geothermal Heat Exchangers*** Energy Procedia, 112, pp. 434-441, **2017** WOS:000404848300054 https://doi.org/10.1016/j.egypro.2017.03.1102 https://www.sciencedirect.com/science/article/pii/S1876610217312274 **Jwos - Proceedings Paper**	-
17	*25/1= 25,00*	**Cătălin George Popovici** ***HVAC system functionality simulation using ANSYS-Fluent***, EENVIRO Conference on „Sustainable Solutions for Energy and Environment", Energy Procedia, Volume 112, , Pages 360-365 , **2017** WOS:000404848300044 https://doi.org/10.1016/j.egypro.2017.03.1067 **Jwos - Proceedings Paper**	
18	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, https://doi.org/10.1016/j.egypro.2015.12.223 **Jwos - Proceedings Paper**	-

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare	FI
19	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, https://10.1016/j.egypro.2015.12.222 **Jwos - Proceedings Paper**	-
20	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, https://10.1016/j.protcy.2016.01.113 **Jwos - Proceedings Paper**	-
21	(25+20*1.258)/6 = 8.36	Suteu, D., Zaharia, C., **Popovici, C.,** Malutan T., Rusu, L., Tabacaru, L. ***Wood waste as a renewable source of energy*** 2016 Environmental Engineering and Management Journal 15(3), pp. 665-673 , **2016** https://10.30638/eemj.2016.072 WOS:000376876400021 **Jwos - Article - Q4 (FI>0.5)**	*1.258*
22	(25+20*1.065)/4= 11,58	C. Grigoraş, **C. G. Popovici**, Th. Mateescu, N.-C. Chereches* ***Numerical and experimental study of the thermoaerodynamic behavior of a double skin glazed façade***, , Environmental Engineering and Management Journal, ISSN 1582-9596, issue 4, Vol. 13/2014, pg. 775-781, **2014** https://doi.org/10.30638/eemj.2014.082 WOS:000340483100002 **Jwos - Article - Q4 (FI>0.5)** ~~Q 4 2014~~	*1.065*
23	(25+20*1.117)/3 = 15,78	C. Romila , **C. G. Popovici**, N.-C. Chereches* ***Reduction of building energy consumption using ventilated façades,*** , Environmental Engineering and Management Journal, ISSN 1582-9596, Nr. 4, Vol. 11, pg. 806-811, **2012** https://doi.org/10.30638/eemj.2012.103 WOS:000305075800015 **Jwos - Article - Q4 (FI>0.5)** Q 4 - **2012**	*1.117*
	Punctaj total: 222.34		

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	20/5 = 4,00	**Popovici, C.-G.**; Țurcanu, E.-F.; Ciocan, V.; Chereches, N.-C.; Hudișteanu, S.-V. *Assessing the Impact of Air Conditioning Systems on Aerosol Dispersion within Intensive Care Units*. Rom. J. Civ. Eng. **2025**, *DOI: 10.37789/rjce.2025.16.1.12.* https://openurl.ebsco.com/contentitem/gcd:183713593?sid=ebsco:plink:crawler-gcd&id=ebsco:gcd:183713593&crl=f&jrnl=20683987 **Baza de date: *EBSCO***
2	20/8 =2,50	**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, https://doi.org/10.37789/rjce.2025.16.2.9, **2025** **Baza de date: *EBSCO***
3	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***
4	20/7 = 2.857	EF Țurcanu, V Ciocan, NC Chereches, SV Hudișteanu, AD Ancas, Verdeș M, **Popovici C.G.**, *Infectious airborne risk measurement in a classroom*, Revista Romana de Inginerie Civila 15 (1), 1-6, **2024**, https://doi.org/10.37789/rjce.2024.15.1.6 **Baza de date: *ProQuest***
5	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**, https://doi.org/10.37789/rjce.2023.14.4.5 **Baza de date: *ProQuest***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
6	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***
7	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***
8	20/7 =2,857	Turcanu, E.F., Ciocan, V., Chereches, N.C., Hudisteanu, S.V., Ancas, A.D., Verdes, M., **Popovici, C.G.**, *Analiza termica a unui rezervor de stocare*, Revista Romana de Inginerie Civila (RJCE), 14(4), pp. 342-347, **2023**, DOI: 10.37789/rjce.2023.14.4.5 **Baza de date: *EBSCO***
9	20/8 = 2.50	Hudișteanu, S V; Chereches, 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***
10	20/7 = 2.857	V S Hudişteanu, N C Chereches, M Verdeş, 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 https://doi.org/10.1088/1755-1315/664/1/012025. https://www.scopus.com/pages/publications/85106436052?origin=resultslist **Baza de date: *Scopus***
11	20/8 =2,50	Florin-Emilian Țurcanu, **Cătălin-George Popovici**, Marina Verdeș, Vasilică Ciocan, Andrei Burlacu, Sebastian-Valeriu Hudișteanu, Marius Costel Balan, Larisa Anghel, *Airflow and airborne pathogen transport by heating systems in a cardiac intensive care unit*, Proceedings Of International Conference Building Services And Energy Efficiency, BSEE 2020, 2-3 iulie, Iasi, Romania, pp 276-284, **2020**, DOI: 10.2478/9788395720413-024 https://www.academia.edu/119581196/24_Airflow_and_Airborne_Pathogen_Transport_by_Heating_Systems_in_a_Cardiac_Intensive_Care_Unit **Baza de date: *EBSCO***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
12	20/7 =2,857	Sebastian Valeriu Hudișteanu, Nelu-Cristian Cherecheș, **Cătălin-George Popovici**, Marina Verdeș, Vasilică Ciocan, Marius-Costel Balan, Florin-Emilian Țurcanu, *Analysis of the cooling effect on the efficiency of the photovoltaic panels*, Proceedings Of International Conference Building Services And Energy Efficiency, BSEE 2020, 2-3 iulie, Iasi, Romania, pp 137-153, **2020**, DOI: 10.2478/9788395720413-013. https://www.academia.edu/103955836/13_Analysis_of_the_Cooling_Effect_on_the_Efficiency_of_the_Photovoltaic_Panels **Baza de date: *EBSCO***
13	20/8 =2,500	Florin Emilian Țurcanu, **Catalin George Popovici**, Marina Verdeș, Vasilică Ciocan, Nelu-Cristian Cherecheş, Sebastian Valeriu Hudișteanu, Marius Costel Balan, Larisa Anghel, *Dispersion of infectious aerosols through different mechanical system in a cardiac intensive care unit*, EENVIRO 2020, 21 - 23 octombrie, Editie Online, pp 9, The 16th International Conference Interdisciplinarity in Engineering (pp.317-327) **2020** DOI:10.1007/978-3-031-22375-4_26 **Baza de date: *Scopus***
14	20/6=3,333	Marius Costel Balan, Marina Verdeș, Vasilică Ciocan, **Catalin George Popovici**, Sebastian Valeriu Hudișteanu, Florin Emilian Țurcanu, Study regarding the implementation of renewable energy in administrative buildings, EENVIRO 2020, 21 - 23 octombrie, Editie Online, pp 8, **2020**. https://web.archive.org/web/20220308050403/https://www.eenviro.ro/wp-content/uploads/2020/11/Program-EENVIRO-2020-v10.pdf **Baza de date: *Scopus***
15	20/5=4,00	Sebastian Valeriu Hudișteanu, **Catalin George Popovici**, Marina Verdeș, Vasilică Ciocan, Florin Emilian 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**, https://pdfs.semanticscholar.org/da77/f8ad1e7be6ff1f5fa90f48a5acf62c628b86.pdf https://doi.org/10.47577/technium.v2i1.46 **Baza de date: *EBSCO***
16	20/5=4,00	Florin-Emilian Turcanu, Marina Verdes, Vasilica Ciocan, **Catalin George Popovici**, Sebastian Valeriu 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, **2020** https://pdfs.semanticscholar.org/4726/6a20f3063e99a498ac4e0678ec107fce92d9.pdf https://doi.org/10.47577/technium.v1i.116 **Baza de date: *EBSCO***
17	20/2 = 10,00	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***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
18	20/2 = 10,00	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***
19	20/2 = 10,00	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***
20	20/3 = 6.667	Hudişteanu, S.V., **Popovici, C.G.**, Cherecheş, 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***
21	20/3 = 6.667	**Popovici, C.G.**, Hudişteanu, S.V., Cherecheş, 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***
22	20/1 =20,00	**CG Popovici** *The Eco-Design Directive ErP for AHUs* Advanced Engineering Forum 21, 482-488 , **2017** https://doi.org/10.4028/www.scientific.net/AEF.21.482 **Baza de date: *Scopus***
23	20/1 =20,00	**CG POPOVICI** *NEW REQUIREMENTS FOR AIR HANDLING UNITS IN COMPLIANCE WITH ERP DIRECTIVE* Bulletin of the Transilvania University of Braşov• Vol 10 (59), **2017** https://ro.scribd.com/document/400834639/13-popovici **Baza de date: *EBSCO***
24	20/4 = 5,00	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***
25	20/3 =6,667	I.Cazacu,T. Mateescu, **C. Popovici**, *Calculation model for progressive spiral heat exchangers,* International Scientific Conference CIBv **2016**, Proceedings of The International Scientific Conference CIBv https://webbut.unitbv.ro/index.php/Series_I/article/view/4281 **Baza de date: *EBSCO***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
26	20/1 =20,00	**C. Popovici**, *Impact of the ecodesign directive on HVAC products*, International Scientific Conference CIBv **2016**, Proceedings of The International Scientific Conference CIBv. https://webbut.unitbv.ro/index.php/Series_I/article/view/3637 **Baza de date: *EBSCO***
27	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 https://webbut.unitbv.ro/index.php/Series_I/article/view/4293 **Baza de date: *EBSCO***
28	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***
29	20/2 = 10,00	**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-b10e94d120454624 **Baza de date: *EBSCO***
30	20/4 = 5,00	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***
31	20/2 = 10,00	**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 https://doi.org/10.4028/www.scientific.net/AMM.659.435 **Baza de date: *ProQuest***
32	20/1 =20,00	**C.G. Popovici**,*HVAC design requirements for Data Centers*, Proceedings of the international scientific conference cibv **2015**,30th-31th of october, Transilvania University publishing house, Braşov, pag. 430-438 https://webbut.unitbv.ro/index.php/Series_I/article/view/4309 **Baza de date: *EBSCO***
33	20/5 =4,000	**Popovici, G.-C.**, Balan, M.-C., Verdes, M., (...), Burlacu, A., Tofan, B.-A., *Production of electricity in photovoltaic systems for administrative buildings in Romania,* Technical and economic analysis **2014** Applied Mechanics and Materials, 659, pp. 431-434 **DOI:** 10.4028/www.scientific.net/AMM.659.431 https://www.researchgate.net/publication/286703862_Production_of_Electri

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
		city in Photovoltaic Systems for Administrative Buildings in Romania Technical and Economic Analysis **Baza de date: *Scopus***
34	20/6 =3,333	Burlacu, A., Verdes, M., Ciocan, V., **Popovici, C**, Tofan, B.A., Pastrav, D., *Numerical study regarding the flow movement in natural convection in an asymmetrical heated vertical channel* ,**2014** Applied Mechanics and Materials 659, pp. 319-324 **DOI:** 10.4028/www.scientific.net/AMM.659.319 https://www.researchgate.net/publication/280952320_Numerical_Study_Regarding_the_Flow_Movement_in_Natural_Convection_in_an_Asymmetrical_Heated_Vertical_Channel **Baza de date: *Scopus***
35	20/5 =4.000	**Popovici, G.-C.**, Balan, M.-C., Verdes, M., (...), Burlacu, A., Tofan, B.-A., *Integrated system for producing, Transporting and consuming the unconventional energy for a residential building* **2014** Applied Mechanics and Materials, 659, pp. 425-430 **DOI:** 10.4028/www.scientific.net/AMM.659.425 https://www.researchgate.net/publication/280952109_Integrated_System_for_Producing_Transporting_and_Consuming_the_Unconventional_Energy_for_a_Residential_Building **Baza de date: *Scopus***
36	20 /6=3,333	Burlacu, A., Ciocan, V., Verdes, M., **Popovici, C**, Tofan, B.A., Pastrav, D., *Experimental study for data validation regarding the flow movement in natural convection in an asymmetrical heated vertical channel* **2014** Applied Mechanics and Materials, 659, pp. 313-318 **DOI:** 10.4028/www.scientific.net/AMM.659.313 https://www.researchgate.net/publication/389978302_Experimental_Study_for_Data_Validation_Regarding_the_Flow_Movement_in_Natural_Convection_in_an_Asymmetrical_Heated_Vertical_Channel **Baza de date: *Scopus***
37	20/6 =3.333	V Ciocan, M Verdeș, **CG Popovici**, A Burlacu, MC Balan, I Cazacu *Analysis of the efficiency of ventilation systems in underground garages* Applied Mechanics and Materials 659, 343-348, **2014** DOI:10.4028/www.scientific.net/AMM.659.343 https://www.scientific.net/AMM.659.343 **Baza de date: *Scopus***
38	20/4 =5,00	C. Grigoraş, T. Mateescu, **C. Popovici** et N.-C. Chereches, *Analyse du comportement thermodynamique d'une façades double peau - étude numérique et expérimentale en convection naturelle*, Bulletin of the Polytechnic Institute of Iasi, Construction and Architecture Section, ISSN 1224-3884, Tomme: LVII (LXI), Fasc. 1, **2011**, pp.95-104 https://scispace.com/papers/analyse-du-comportement-thermodynamique-d-une-faccades-191unkvcet https://bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=217 **Baza de date: *EBSCO***
39	20/3 =6,667	Chereches, M., Chereches, N.-C., **Popovici, C.**, *Thermal conductivity modeling of building façade materials* **2010** Proceedings of the 3rd WSEAS International Conference on Finite Differences - Finite Elements - Finite Volumes - Boundary Elements, F-and-B '10 pp. 41-46 https://www.researchgate.net/publication/262172466_Thermal_conductivity_modeling_of_building_facade_materials http://www.wseas.us/e-library/conferences/2010/Bucharest/FB/FB-05.pdf **Baza de date: *Scopus***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
40	20/5 =4.00	Ospir, D., Chereches, C., Popa, C., Fohanno, S., **Popovici, C.**, *Flow dynamics in a double-skin façade* ,**2010** Proceedings of the 3rd WSEAS International Conference on Finite Differences - Finite Elements - Finite Volumes - Boundary Elements, F-and-B '10, pp. 60-64 https://www.researchgate.net/publication/228828945_Flow_dynamics_in_a_double-skin_facade http://www.wseas.us/e-library/conferences/2010/Bucharest/FB/FB-08.pdf **Baza de date: *Scopus***
41	20/3 =6,667	Monica, C., **Popovici, C.**, Nelu-Cristian, C, *Experimental and numerical approach of the thermal conductivity of building façade materials* . **2010** WSEAS Transactions on Heat and Mass Transfer 5(3), pp. 103-112 https://www.researchgate.net/publication/286962703_Experimental_and_numerical_approach_of_the_thermal_conductivity_of_building_facade_materials https://www.wseas.us/e-library/transactions/heat/2010/89-791.pdf **Baza de date: *Scopus***
42	20/3= 6,667	Chereches, M., **Popovici, C.**, Chereches, N.-C., *Détermination de la conductivité thermique dans les matériaux de construction*, Buletinul Institutului Politehnic din Iași, Secția Construcții de Mașini (COFRET 2010, 5–7 mai, Iași), pp. 141–150, **2010**, ISSN 1011-2855. **Baza de date: *EBSCO***
43	20/5= 4,00	Ospir, D., Fohanno, S., Popa, C.V., Chereches, N.-C., **Popovici, C.**, *Étude numérique et expérimentale d'un écoulement dans un canal plan vertical*, Buletinul Institutului Politehnic din Iași, Secția Construcții de Mașini (COFRET 2010, 5–7 mai, Iași), pp. 191–199, **2010**, ISSN 1011-2855. **Baza de date: *EBSCO***
44	20/3 =6,667	Chereches, N.-C., Chereches, M., **Popovici, C.**, ***Mixed convection flow inside a vertical channel of a double-skin envelope*** ,**2009** International Review of Mechanical Engineering 3(6), pp. 739-745 https://www.researchgate.net/publication/288118822_Mixed_convection_flow_inside_a_vertical_channel_of_a_double-skin_envelope **Baza de date: *Scopus***
45	20/3 =6,667	J. Ignat, N.C. Chereches, **C. Popovici**, *Etude concernant l'effet de mise a la terre dans le système de protection liaison au neutre,* Bulletin of the Polytechnic Institute of Iasi, Construction and Architecture Section, Tomme LV (LIX), Fascicle 2, **2009**, ISSN 1224-3884, pp. 13-20 https://www.researchgate.net/publication/26851832_Etude_concernant_l'effet_de_mise_a_la_terre_dans_le_systeme_de_protection_liaison_au_neutre https://bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=144 **Baza de date: *EBSCO***
46	20/2 =10,00	**Popovici C**, Ignat J , *Recomendations for pipes selections in heating and cooling systems,* Buletin I. P. Iasi, Tomul LV (LIX), Fasc. 3, 2009, 12pag, ISSN 1224-3884, **2009** https://bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=62 **Baza de date: *EBSCO***
47	20/2 =10,00	**Popovici C**, Ignat J , *About variable speed heating and cooling pumps*, Buletin I. P. Iasi, Tomul LV (LIX), Fasc. 2,2009 , 10 pag, ISSN 1224-3884, **2009** https://bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=146 **Baza de date: *EBSCO***

Nr. crt.	Rezultate (punctaje)	Autori, titlul lucrării, revistă, volum, pagini, an publicare
48	20/2 =10,00	**Popovici C**, Ignat J , *Consideraţii privind dimensionarea planşeului electric încălzitor în regim variabil (cu acumulare)*, Buletin I. P. Iasi, S III, fasc.1-2/2003,pag ., ISSN 1224-3884, **2003** **Baza de date: *EBSCO***
49	20/2 =10,00	**Popovici C**, Ignat, *Fenomene termice specifice cablurilor electrice încălzitoare* , Buletin I. P. Iasi, S III, fasc.1-2/2003,pag . , ISSN 1224-3884, **2003** **Baza de date: *EBSCO***
50	20/2 =10,00	Ignat J, **Popovici C** ,*Analyse de l`influence des propriétés du résseau électrique de distribution sur l`intensité de réparation de ses composants* , Buletin I. P. Iasi, S III, fasc.1-2/1999,pag .193-197, ISSN 1224-3884, **1999** **Baza de date: *EBSCO***
51	20/2 =10,00	Ignat J, **Popovici C** , *L'influence des propriétés d`un système technique complexe sur l`intensité de reparation des composants de celui-ci*, Buletin I. P. Iasi. Tom XLIV (XLVIII),S IV ,Fasc. 1-2/98, pag.81-84., ISSN 1224-3884, **1998** **Baza de date: *EBSCO***
52	20/2 =10,00	Ignat J, **Popovici C,** *La maintenabilité-qualitè des systèmes techniques complexes*, Buletin I.P. Iasi ,Tom XLIV ,S. VI, fasc.3-4/1998,pag .75-81, ISSN 1224-3884, **1998** **Baza de date: *EBSCO***
53	20/2 =10,00	Ignat J, **Popovici C** , *Sur l`évaluation des propriétés des systemes techniques complexes*, Buletin I.P.Iasi,SIII,fasc.3-4/1998, TomXLIV, pag.179-183., ISSN 1224-3884, **1998** **Baza de date: *EBSCO***
54	20/2 =10,00	Ignat J, **Popovici C,** *Some characteristics of the two-phase ground fault under stabilized conditions in the local supply system neutral earthing.*, Buletin I.P.Iasi,SIII,fasc.3-4/1997,TomXLIII,pag.123-127, ISSN 1224-3884, **1997** **Baza de date: *EBSCO***
55	20/2 =10,00	Ignat J, **Popovici C**, *The impact of the layot modification in the supply system on the on-phase fault location devices"* ,Buletin I.P. Iasi S III, fasc.1-2/1996, TomXLII, pag.145-149., ISSN 1224-3884, **1996** **Baza de date: *EBSCO***
56	20/2 =10,00	Ignat J, **Popovici C** , *Possibilities of locating the two-phase ground fault in the local supply system neutral earthing"*, Buletin I.P. Iasi, S III, fasc.3-4/1996, Tom XLII, pag.145-149, ISSN 1224-3884, **1996** **Baza de date: *EBSCO***
57	20/3= 6,667	Pavel, V., Olaru, I., **Popovici, C.**, *Les systèmes de chauffage individuel centralisé – quelques considérations*, Buletinul Universității Tehnice „Gh. Asachi" Iași, XLI(XLV), S. VI, fasc. 1–2, pp. 71–80, **1995** **Baza de date: *EBSCO***
	Punctaj total: 401,889	

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**
	10*1 = 10	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, , Beneficiar: Eco Term SRL, Furnizor servicii: Universitatea Tehnică "Gheorghe Asachi" Din Iaşi, Valoare contract: 49200 lei;, Buget anual mediu TUIASI 2017 – 64948 lei https://www.heutf.ce.tuiasi.ro/Descriere%20proiect/DP.pdf **DIRECTOR 2018.**
	10*1 = 10	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, , Beneficiar: Mag Construct Company SRL, Furnizor servicii: Universitatea Tehnică "Gheorghe Asachi" din Iaşi, Valoare contract: 49300 lei; Buget anual mediu TUIASI 2017 – 64948 lei https://www.shsre.ce.tuiasi.ro/Descriere%20proiect/DP.pdf **DIRECTOR 2018**
Punctaj total: 20		

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		
Punctaj total:		

1.4.2.2 Granturi de cercetare naționale

Nr. crt.	**Rezultate (punctaje)**	**Titlul proiectului**
1	5*2=10	Contract de finanțare pentru execuție proiecte Nr. **443PED/2020**, tip proiect: Proiect experimental – demonstrativ aflat în curs de derulare. Titlul proiectului: "*Îmbunătățirea eficientei panourilor fotovoltaice prin răcire pasiva si activa*". Autoritatea Contractanta: Unitatea Executiva pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării si Inovării, 2021 – 2023 http://www.cool-pv.ci.tuiasi.ro Director Proiect: Conf.univ.dr.ing.Hudisteanu Valeriu

		Sebastian 600.000,00 RON,
2	5*1=5	PNII - Program IDEI, Proiect de cercetare exploratorie, cod CNCSIS ID_327, Contract Nr. 603/19.01.2009, finanţat de către ANCS-MECTS România, autoritatea contractantă CNCSIS – UEFISCU, Modelări numerice şi cercetări experimentale pentru optimizarea energetică a faţadelor complet vitrate tip double – peau, prin modificări dimensionale şi de configuraţie, 2009-2011, Director Proiect: Conf.univ.dr.ing. Nelu-Cristian Chereches Valoarea totală a contractului: 260.458,41 RON www.idei327.tuiasi.ro,
3	5*3=15	Grant CEEX 603/ 2005 - 2007, *METODE AVANSATE DE CONTROL PENTRU EFICIENTIZAREA PRODUCERII SI UTILIZARII ENERGIEI*, Perioada:2005, 2006, 2007, finanţat de către Autoritatea Naţională pentru Cercetare Ştiinţifică, Ministerul Educaţie(ANCS), i, Cercetării, Tineretului şi Sportului din România, autoritatea contractantă INFRAS – CNMP, Director de proiect, conf.dr.ing. Victoria Cotorobai
4	5*3=15	Grant CEEX 7315/01.08.2006, *LABORATOR SISTEME DE INSTALAȚII SANITARE*, Perioada:2006, 2007, 2008, finanţat de către Autoritatea Naţională pentru Cercetare Ştiinţifică (ANCS), Ministerul Educaţiei, Cercetării, Tineretului şi Sportului din România, autoritatea contractantă INFRAS - CNMP, Director de proiect, conf.dr.ing. Victoria Cotorobai
5	5*2=10	*Ghid de bună practică pentru proiectarea instalațiilor de ventilare/climatizare în clădiri și reguli de bună practică în execuție, montare și exploatare.* Contract nr. 921P / 14.04.2011 (asociat Subcontractului 512 - a / 14.06.2011, înreg. URBAN-INCERC nr. 1040/18.04.2011). Beneficiar: Ministerul Dezvoltării Regionale și Turismului (MDRT). Perioada: 2011–2012. Director de proiect din partea echipei din Iași (POLYTECH). Conf. dr. ing. Vasilică Ciocan Bugetul Subcontractului 512 - a / 14.06.2011 33.217 RON
Punctaj total: 55		

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	"Studiul soluţiilor de ventilare la interiorul unei faţade dinamice" Contract nr. 10950P/09.10.2009 Perioada : 2009-2010 Beneficiar S.C. Clima Therm Service S.R.L , Valoare 53550 RON **DIRECTOR, 2009-2010**
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	**192**	**1920**
	Citări în lucrări de tip articol sau proceedings vizibile în WOS		
	1. 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
	2. Canbolat, Gokhan; Gungor, Okan; Kanoglu, Mehmet. CFD-driven optimization for thermo-electrical performance evaluation of a PV module considering the impact of heat sink on electrical model parameters. CASE STUDIES IN THERMAL ENGINEERING, 2026, 85, 108362. https://doi.org/10.1016/j.csite.2026.108362.	1	10
	3. 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
	4. Afrid, Iftekhar Uddin Mohammad; Abd Aziz, Nur Shafiqah; Yit, Jing Ee; Rasangika, Ambagaha Hewage Dona Kalpani; Chew, Bee Teng; Sopian, Kamaruzzaman. Enhancement of photovoltaic (PV) collector performance with passive cooling Y-shaped fins. APPLIED THERMAL ENGINEERING, 2026, 299, 131170. https://doi.org/10.1016/j.applthermaleng.2026.131170.	1	10
	5. Choudhary, Rohan; Dhamudia, Kashinath; Senapati, Jnana Ranjan. A three-dimensional parametric assessment of pin-fin heat sinks for cooling of solar PV modules using regression and artificial neural network Verfication. INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, 2026, 178, 111804. https://doi.org/10.1016/j.icheatmasstransfer.2026.111804.	1	10
	6. Cabrera-Escobar, Jose; Vera, David; Cantos, Lenin Orozco; Jurado, Francisco; Carrillo Rosero, Carlos Mauricio; Arroba Arroba, Cesar Hernan; Cabrera Anda, Santiago Paul; Cabrera-Escobar, Raul. Comparison of the Thermal Behavior of Photovoltaic Panels with and Without Passive Heat Dissipation Systems Under Different Environmental Conditions Associated with Altitude Using the Finite Element Method. ENERGIES, 2026, 19(12), 2817. https://doi.org/10.3390/en19122817.	1	10
	7. Sushmitha, Mohan; Nidhul, Kottayat; Gadepalli, Pranshu. Coupled thermal, electrical and exergetic analysis of a photovoltaic panel using ternary nanofluids: a two-phase approach. DISCOVER APPLIED SCIENCES, 2026, 8(8), 919. https://doi.org/10.1007/s42452-026-08934-1.	1	10

Nr. crt.	Activități	nr citări	Punctaj
	8. 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
	9. El Manssouri, Oussama; Abdulmajeed, Omayma M.; Hajji, Bekkay; Margoum, Safae; Bilal, Ghassan A.; Teixeira, Senhorinha; El Fouas, Chaimae. Enhanced PV/T cooling strategy with different fin arrangements under Moroccan climate. SOLAR ENERGY, 2026, 310, 114523. https://doi.org/10.1016/j.solener.2026.114523.	1	10
	10. Bulut, Husamettin; Akagunduz, Mahmut Umut; Sancar, Ibrahim; Ulker, Nergiz. Cooling of PV Panels with Earth-Air Heat Exchanger and Novelly Designed Plenums: An Experimental Study. ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2026. https://doi.org/10.1007/s13369-026-11151-y.	1	10
	11. Fu, Cikun; Xie, Xingyou; Liu, Qingfu; Li, Shengle; Zhao, Qiang; Li, Fei; BE Wei, K; Yang, W; Dai, J; Chen, B. Photovoltaic Panel Cooling with Air Deflectors: CFD Simulation. PROCEEDINGS OF THE UNIFIED CONFERENCE OF DAMAS, INCOME AND TEPEN CONFERENCES, UNIFIED 2025, VOL 1, 2026, 188, 281–288. https://doi.org/10.1007/978-3-032-00968-5_24.	1	10
	12. Saber Salem Said, Abdel-Halim; Ahmed, Anas; Fouda, Ali; Elattar, Hassan Fawzy. ENHANCED PERFORMANCE OF PHOTOVOLTAIC MODULES VIA EXPERIMENTAL EVALUATION OF NOVEL HEAT SINK DESIGNS. THERMAL SCIENCE, 2026, 30(2B), 1421–1438. https://doi.org/10.2298/TSCI250601159S.	1	10
	13. Fitriaty, Puteri; Rahman, Yuli Asmi; Bakri; Ansar; Shen, Zhenjiang. Photovoltaic as a Second Skin Roof Optimal roof design for energy generation and thermal comfort for tropical house. INTERNATIONAL REVIEW FOR SPATIAL PLANNING AND SUSTAINABLE DEVELOPMENT, 2026, 14(1), 183–206. https://doi.org/10.14246/irspsd.14.1183.	1	10
	14. Ali, Mona; Hu, Zicheng; El-Mesery, Hany S.; Qenawy, Mohamed. Thermal management and efficiency enhancement of photovoltaics using a water-saving pulsed mist cooling approach. APPLIED THERMAL ENGINEERING, 2026, 288, 129597. https://doi.org/10.1016/j.applthermaleng.2025.129597.	1	10
	15. Abdullatif, Mohammed; Phelan, Patrick; Abdelmessih, Raouf; Mina, Ehab. Performance enhancement of photovoltaic panels using rotating elliptic enclosures filled with phase change material. NUMERICAL HEAT TRANSFER PART A-APPLICATIONS, 2026, 87(1). https://doi.org/10.1080/10407782.2025.2553916.	1	10
	16. Wang, Chih-Yen; Hsu, Po-Chun. Integrated geospatial evaluation of wind and photovoltaic resources based on multi-satellite and ground-validated datasets. INTERNATIONAL JOURNAL OF SUSTAINABLE ENERGY, 2025, 44(1), 2565330. https://doi.org/10.1080/14786451.2025.2565330.	1	10
	17. Elsisi, Mahmoud; Amer, Mohammed; Ali, Mahmoud N.; Su, Chun-Lien. A resilient IoT-enabled framework using hybrid decision tree and wavelet transform for secure and sustainable photovoltaic energy management. SUSTAINABLE COMPUTING-INFORMATICS & SYSTEMS, 2025, 48, 101221. https://doi.org/10.1016/j.suscom.2025.101221.	1	10
	18. Alqatamin, Ahmad; Al-Khashman, Omar Ali; Su, Jinzhan. A Novel Heatsink for Optimizing Photovoltaic Cell Performance With Passive Cooling Using Perforated Wave-Shaped Fins. JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME, 2025, 147(5), 051002. https://doi.org/10.1115/1.4068410.	1	10

Nr. crt.	Activități	nr citări	Punctaj
	19. Xu, Shi-Jie; Wu, Shuang-Ying; Xiao, Lan; Chen, Zhi-Li. Performance assessment of a novel bifacial photovoltaic system with air film cooling device. ENERGY, 2025, 337, 138674. https://doi.org/10.1016/j.energy.2025.138674.	1	10
	20. Zohri, Muhammad; Prabowo; Suwarno; Mustapha, Muslizainun; Megantoro, Prisma; Hidayat, Taufal; Ramli, Makbul A. M.; Kuncoro, Arief Heru; Abimanyu, Haznan; Fudholi, Ahmad. Simulation and experimental comparison of photovoltaic thermal technology with rectangular channels. RESULTS IN ENGINEERING, 2025, 27, 106463. https://doi.org/10.1016/j.rineng.2025.106463.	1	10
	21. Noui, Zouheyr; Bessanane, Nabil; Ameur, Mohamed Si; Djebara, Amel; Ibrahim, Adnan; Dol, Sharul Sham; Azeez, Hariam Luqman. Mini-channel heat sink design for solar photovoltaic cooling: Experimental evaluation and performance metrics. ALEXANDRIA ENGINEERING JOURNAL, 2025, 130, 85–100. https://doi.org/10.1016/j.aej.2025.09.010.	1	10
	22. Abdirahman, Abdinasir Ahmed; Asif, Muhammad; Cuce, Erdem; Ahmed, Ijaz; Alqahtani, Mohammed; Khalid, Muhammad. Optimizing PV systems in high-temperature environments: A SWOT-based analysis of cooling technologies. ENERGY STRATEGY REVIEWS, 2025, 61, 101828. https://doi.org/10.1016/j.esr.2025.101828.	1	10
	23. Ahmed, Ishtiaq; Farhin, Hossain Azmain; Haque, Md Azazul; Miah, Md. Abdul Karim; Heme, Saziea Afrin; Rahman, Md. Hamidur; Srirattayawong, Sutthinan. Numerical Study on Uniform Passive Cooling Configurations for Photovoltaic Modules in Hot Climatic Conditions. JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME, 2025, 147(4), 041003. https://doi.org/10.1115/1.4067552.	1	10
	24. Menacer, Brahim; Baghdous, Nour El Houda; Narayan, Sunny; Al-lehaibi, Moaz; Osorio, Liomnis; Tuninetti, Victor. Efficiency Enhancement of Photovoltaic Panels via Air, Water, and Porous Media Cooling Methods: Thermal-Electrical Modeling. SUSTAINABILITY, 2025, 17(14), 6559. https://doi.org/10.3390/su17146559.	1	10
	25. Alao, Kehinde Temitope; Gilani, Syed Ihtsham Ul Haq; Sopian, Kamaruzzaman; Alao, Taiwo Onaopemipo; Aslam, Zeshan; Hamzat, Abdulhammed K.; Alara, Oluwaseun Ruth. Multi-method cooling strategies for photovoltaic systems: a comprehensive review of passive, active, and AI-optimized hybrid techniques. MULTISCALE AND MULTIDISCIPLINARY MODELING EXPERIMENTS AND DESIGN, 2025, 8(8), 365. https://doi.org/10.1007/s41939-025-00941-w.	1	10
	26. Mustafa, Rozita; Radzi, Mohd Amran Mohd; Soh, Azura Che; Hizam, Hashim. A Transfer Function Modelling Using System Identification for Air-cooling Photovoltaic System. PERTANIKA JOURNAL OF SCIENCE AND TECHNOLOGY, 2025, 33(3), 1119–1136. https://doi.org/10.47836/pjst.33.3.02.	1	10
	27. Pirouz, Behrouz; Naghib, Seyed Navid; Kontoleon, Karolos J.; Bibin, Baiju S.; Javadi Nejad, Hana; Piro, Patrizia. Investigation of the Interaction of Water and Energy in Multipurpose Bio-Solar Green Roofs in Mediterranean Climatic Conditions. WATER, 2025, 17(7), 950. https://doi.org/10.3390/w17070950.	1	10
	28. Ahmed, Anas; Fouda, A.; Elattar, H. F.; Alnamasi, Khaled; Alsharif, Abdullah M. A.. Advancing photovoltaic thermal module efficiency through optimized heat sink designs. APPLIED THERMAL ENGINEERING, 2025, 271, 126241. https://doi.org/10.1016/j.applthermaleng.2025.126241.	1	10
	29. Bukar, Ahmed M.; Almerbati, A.; Shuja, S. Z.; Zubair, Syed M.. Enhancing solar PV panel performance through active and passive cooling techniques: A comprehensive review. RENEWABLE & SUSTAINABLE ENERGY REVIEWS, 2025, 216, 115611. https://doi.org/10.1016/j.rser.2025.115611.	1	10

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	30. Djebara, Amel; Bessanane, Nabil; Si-Ameur, Mohamed; Ibrahim, Adnan; Noui, Zouheyr; Dol, Sharul Sham; Azeez, Hariam Luqman; Amira, Sidi Ali. Performance evaluation of a folded mini-channel heat sink for solar cell cooling: Experimental study. SOLAR ENERGY, 2025, 289, 113326. https://doi.org/10.1016/j.solener.2025.113326.	1	10
	31. Aali, Mahdi; Mansouri, Mehdi; Raeisi, Zahra; Lashaki, Reza Ahmadi; Tavakoli, Shahin. Introducing a novel temperature measurement to analyze the effect of hybrid cooling methods on improving solar panel performance: An experimental approach. APPLIED THERMAL ENGINEERING, 2025, 268, 125889. https://doi.org/10.1016/j.applthermaleng.2025.125889.	1	10
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	33. Sanusi, Neha Helmay Putri; Diana, Lohdy; Arini, Nu Rhahida; Safitra, Arrad Ghani; Jasmine, Marshanda Batari; GP IEEE. Numerical Study of The Effect of Hole Adding in Heatsinks on Photovoltaic Cooling. 2025 INTERNATIONAL ELECTRONICS SYMPOSIUM, IES, 2025, 83–89. https://doi.org/10.1109/IES67184.2025.11161989.	1	10
	34. Ali, Mona; Qenawy, Mohamed; Hu, Zicheng; El-Mesery, Hany S.. Numerical investigation of jet-in-crossflow approach for enhanced forced air-cooling of photovoltaic panels. APPLIED THERMAL ENGINEERING, 2025, 263, 125358. https://doi.org/10.1016/j.applthermaleng.2024.125358.	1	10
	35. Mehrtash, Mehdi. Reevaluation of Plate-Fin Heatsink Natural Convection Correlations for Sideways and Three-Dimensional Inclinations. HEAT TRANSFER ENGINEERING, 2025, 46(21), 1941–1954. https://doi.org/10.1080/01457632.2024.2407668.	1	10
	36. Abd-Elhady, Mahmoud M.; Elhendawy, Mohab A.; Abd-Elmajeed, Muhannad S.; Rizk, Rahaf B.. Enhancing photovoltaic systems: A comprehensive review of cooling, concentration, spectral splitting, and tracking techniques. NEXT ENERGY, 2025, 6, 100185. https://doi.org/10.1016/j.nxener.2024.100185.	1	10
	37. Amr, Ayman Abdel-Raheim; Hassan, Ali A. M.; Abdel-Salam, Mazen; El-Sayed, Abou Hashema M.. Active cooling of a photovoltaic module in hot-ambient temperatures: theory versus experiment. INTERNATIONAL JOURNAL OF EMERGING ELECTRIC POWER SYSTEMS, 2025, 26(2), 331–358. https://doi.org/10.1515/ijeeps-2023-0398.	1	10
	38. Kohansal, Akram; Perez-Gonzalez, Carlos J.; Fernandez, Arturo J.. Family of Kumaraswamy generalized distribution in estimation of multi-component reliability under the adaptive hybrid progressive censoring schemes. QUALITY TECHNOLOGY AND QUANTITATIVE MANAGEMENT, 2025, 22(2), 280–320. https://doi.org/10.1080/16843703.2024.2315830.	1	10
	39. Kumar, Ajay; Dhiman, Prashant. A comparative study of double-pass recycle type hybrid photovoltaic thermal designs. ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2024, 46(1), 2223–2239. https://doi.org/10.1080/15567036.2024.2302958.	1	10
	40. Al-Masalha, Ismail; Alsabagh, Abdel Salam; Badran, Omar; Alkawaldeh, Naim; Abu-Rahmeh, Taiseer M.; Al Alawin, Aiman. Improving photovoltaic module efficiency using water sprinklers, air fans, and combined cooling systems. EPJ PHOTOVOLTAICS, 2024, 15, 41. https://doi.org/10.1051/epjpv/2024037.	1	10

Nr. crt.	Activități	nr citări	Punctaj
	41. Perwez, Ashif; Ahmaed, Ashwaq; Li, Da; Zheng, Xiong; Qin, Guangzhao. Performance enhancement of photovoltaic/thermal system using dimpled channel subjected to forced convection. RENEWABLE ENERGY, 2024, 237, 121851. https://doi.org/10.1016/j.renene.2024.121851.	1	10
	42. Kashan, Mohammad E.; Fung, Alan S.; Eisapour, Amir Hossein; Swift, John. Utilizing novel industrialized heat exchanger plate in air-based photovoltaic/thermal collectors to enhance thermal and electrical efficiency. ENERGY CONVERSION AND MANAGEMENT-X, 2024, 24, 100752. https://doi.org/10.1016/j.ecmx.2024.100752.	1	10
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	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

2.1.12	**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	**3**	**30**
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Nr. crt.	Activități	nr citări	Punctaj
	1. 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
	2. 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
	3. 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

2.1.13	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

2.1.14	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

Nr. crt.	Activități	nr citări	Punctaj
2.1.15	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
2.1.16	**Popovici, C.G.**, Mateescu, T., Luciu, R., Cazacu, I. , ***Innovative Solutions for Geothermal Heat Exchangers*** 2017 Energy Procedia, 112, pp. 434-441 WOS:000404848300054 https://doi.org/10.1016/j.egypro.2017.03.1102	**2**	**20**
	Citări în lucrări de tip articol sau proceedings vizibile în WOS		
	1.Performance analysis of coaxial heat exchanger and heat-carrier fluid in medium-deep geothermal energy development By: He, YT; Jia, M; Li, XG; Yang, ZZ; Song, R RENEWABLE ENERGY Volume: 168 Pages: 938-959 Published: 2021	1	10
	2.Performance analysis of helical ground heat exchangers with different configurations By: Javadi, H; Ajarostaghi, SSM; Pourfallah, M; Zaboli, M APPLIED THERMAL ENGINEERING Volume: 154 Pages: 24-36 Published: 2019	1	10
2.1	**TOTAL**	**348**	**3480**

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

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

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

Nr. crt.	Activitate / Manifestare științifică
1	Membru in Comitetul Științific si Organizator al Conferinței Internaționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXXV-a, IAȘI, 08-10 IULIE 2025
	Membru in Comitetul Științific si Organizator al Conferinței Internaționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXXIV-a, IAȘI, 04-05 IULIE 2024
2	Membru in Comitetul Științific si Organizator al Conferinței Internaționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXXIII-a, IAȘI, 06-07 IULIE 2023
	Membru in Comitetul Științific si Organizator al Conferinței Internaționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXXII-a, IAȘI, 07-08 IULIE 2022
3	Membru in Comitetul Științific si Organizator al Conferinței Internaționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXXI-a, IAȘI, 01-02 IULIE 2021
	Membru in Comitetul Științific si Organizator al Conferinței Internaționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXIX-a, IAȘI, 27-28 IUNIE 2019
4	Membru in Comitetul Științific si Organizator al Conferinței Internaționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXVIII-a, IAȘI, 5-6 IULIE 2018
	Membru in Comitetul Științific si Organizator al Conferinței Internaționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXVII-a, IAȘI, 6-7 IULIE 2017
5	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXVI-a, IAȘI, 7-8 IULIE 2016
	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXV-a, IAȘI, 2-3 IULIE 2015
6	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXIV-a, IAȘI, 3-4 IULIE 2014
	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XXIII-a, IAȘI, 4-5 IULIE 2013

	2009
9	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a-XVIII-a, IAȘI, 8-9 IULIE 2008
	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a- XVII -a, IAȘI, 8-9 IULIE 2007
10	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a- XVI -a, IAȘI, 8-9 IULIE 2006
	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a- XV -a, IAȘI, 8-9 IULIE 2005
11	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a- XIV -a, IAȘI, 8-9 IULIE 2004
	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a- XIII -a, IAȘI, 8-9 IULIE 2003
12	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a- XIII -a, IAȘI, 8-9 IULIE 2002
	Membru in Comitetul Științific si Organizator al Conferinței Naționale INSTALAȚII PENTRU CONSTRUCȚII ȘI ECONOMIA DE ENERGIE, Ediția a- XIII -a, IAȘI, 8-9 IULIE 2001
Punctaj: 8	

Data 01.10.2026

Conf.univ .dr ing POPOVICI CĂTĂLIN GEORGE