Universitatea „Ștefan cel Mare” din Suceava
Facultatea de Inginerie Electrică și Știința Calculatoarelor
Departamentul Electrotehnică

FIȘA DE VERIFICARE
îndeplinire standarde minimale atestat abilitare

Numele şi prenumele candidatului: **ATĂNĂSOAE PAVEL**
Domeniul de abilitare: **Inginerie Energetică**

Tabel 1. Condiții minimale și punctaj realizat (in conformitate cu Domeniul CNATDCU Inginerie Energetică, Comisia 10, Ordin MENCS nr. 6129/2016

Condiții minimale (PUNCTAJ)		
Domeniul de activitate	**Condiții minimale Profesor**	**Punctaj realizat**
Activitate didactică/profesională (A1)	120	**218,11**
Activitate de cercetare (A2)	360	**948,53**
Recunoașterea și impactul activității (A3)	120	**4449,65**
TOTAL (puncte)	600	**5616,29**
Condiții minimale pe subcategorii (NUMĂR)		
Criteriul	**Cerințe minime**	**Realizat**
1.1.1. Cărți cu ISBN/capitole ca autor	4 (1 prim autor)	5 (4 prim autor)
1.2.1. Manuale, suport de curs inclusiv electronic	2 (1 prim autor)	4 (4 prim autor)
1.2.2. Îndrumare de laborator/aplicații	2 (1 prim autor)	2 (2 prim autor)
2.1. Articole în extenso în reviste cotate WOS Thomson Reuters, în volume proceedings indexate WOS Thomson-Reuters	10 (4 în reviste)	23 (11 în reviste)
2.2. Articole în reviste şi în volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale (BDI)	20	25
2.4.Granturi/proiecte câştigate prin competiţie naţională/internaţională 2.4.1. Director/responsabil partener proiect	2	2
3.1. Citări în reviste WOS şi volumele conferinţelor WOS	8	109
3.2. Citări în reviste şi volumele conferinţelor BDI	16	47

TOTAL PUNCTAJ: 5616,29 puncte

$Scor_j$ – Criteriul C 2.1 Calitatea resursei umane

$$Scor_j^{(u)} = \frac{punctaj_{CD}}{punctaj\ minim\ CNATDCU} = \frac{5616{,}29}{600} = 9{,}36$$

Data,
Martie 2026

Întocmit,
Conf.dr.ing. Pavel ATĂNĂSOAE

Tabel 2. Structura activității și punctajele realizate

Nr. crt.	Denumire standard conform Ordinului MENCS nr. 6129/2016	Indicatori (kpi)	Punctaj
	A1. Activitate didactică/profesională		
	1.1.1. Cărți si capitole în cărți de specialitate cu ISBN (Profesor minim 4, d.c. 1 prim autor)		
	1.1.1.1 internaționale	nr.pagini / (2*nr.autori)	
1.	**Atănăsoae P.** (2020), Techno-Economic Assessment of High Efficiency Cogeneration (Chapter 5), capitol în cartea Advances in Energy Research, Editor Morena J. Acosta, Nova Science Publishers, USA, ISBN: 978-1-53618-136-4, 29 pag. https://novapublishers.com/shop/advances-in-energy-research-volume-33/	29/(2*1)	14,50
	1.1.1.2 naționale	nr.pagini / (5*nr.autori)	
2.	**Atănăsoae P.** (2020), Cogenerare și trigenerare. Editura Matrix Rom, Bucureşti, ISBN 978-606-25-0556-1.	215/(5*1)	43,00
3.	**Atănăsoae P.** (2015), Piaţa de energie. Editura Matrix Rom, Bucureşti, ISBN 978-606-25-0195-2.	182/(5*1)	36,40
4.	**Atănăsoae P.** (2003), Producerea energiei electrice şi termice. Editura Universităţii Ștefan cel Mare Suceava, ISBN 973-666-053-2.	231/(5*1)	46,20
5.	Cernomazu D., Milici D., Afanasov C., **Atănăsoae P.** et al. (2017), 111 invenții în memoriam. Editura Universităţii Ștefan cel Mare Suceava, ISBN 978-973-666-504-2.	251/(5*37)	1,36
	1.2.1. Manuale, suport de curs inclusiv electronic (Profesor minim 2, d.c. 1 prim autor)	nr.pagini/ (10*nr.autori)	
1.	**Atănăsoae P.** (2020), *Partea electrică a centralelor și stațiilor (suport de curs în format electronic)*. https://classroom.google.com/w/MTQ5NDUyMDk4NzYz/t/all	122/(10*1)	12,20
2.	**Atănăsoae P.** (2021), *Energetica clădirilor (suport de curs în format electronic)*. https://classroom.google.com/w/MjY2OTY3MDE5NTkz/t/all	135/(10*1)	13,50
3.	**Atănăsoae P.** (2019), *Producerea, transportul și distribuția energiei electrice (suport de curs în format electronic)*. https://classroom.google.com/w/ODIwMjAyNTg0MzBa/t/all	105/(10*1)	10,50
4.	**Atănăsoae P.** (2013), *Calitate şi Fiabilitate (format electronic)*. Proiect DidaTec "Şcoală universitară de formare iniţială şi continuă a personalului didactic şi a trainerilor din domeniul specializărilor tehnice şi inginereşti - DidaTec", cod proiect POSDRU/87/1.3/S/60891 https://classroom.google.com/w/Mjg3NzUzOTI1MTMz/t/all	107/(10*1)	10,70
	1.2.2. Îndrumare de laborator/aplicații (Profesor minim 2, d.c. 1 prim autor)	nr.pagini/ (20*nr.autori)	
1.	**Atănăsoae P. (**2019), Partea electrică a centralelor și stațiilor – îndrumar de laborator. Editura Matrix Rom, Bucureşti, ISBN 978-606-25-0499-1.	93/(20*1)	4,65
2.	**Atănăsoae P.** (2010), Producerea energiei electrice şi termice – îndrumar de laborator. Editura Universităţii Ștefan cel Mare Suceava, ISBN 978-973-666-328-4.	102/(20*1)	5,10
	1.3. Coordonare programe de studii		
1.	Responsabil program de studii master "Sisteme moderne pentru conducerea sistemelor energetice", Ordin Decan nr.90/26/09.2025	10	10,00
2.	Responsabil program de studii "Energetică și tehnologii informatice", Ordin Decan nr.147/23.01.2020	10	10,00
		TOTAL A1	**218,11**

	A2. Activitate de cercetare		
	2.1. Articole în extenso în reviste cotate WOS Thomson Reuters, în volume proceedings indexate WOS Thomson-Reuters (Profesor: minimum 10 articole, d. c. minimum 4 în reviste)	(25+20*factor impact)/ nr.de autori	
1.	**Atănăsoae P.**, Pentiuc R.D., Milici L.D. (2025), High-Efficiency Cogeneration: A Viable Solution for the Decarbonization of Cities with District Heating Systems. Energies 2025; 18(7),1581; Impact Factor 2024: 3,2. WOS:001465776400001 https://doi.org/10.3390/en18071581	(25+20*3,2)/3	29,67
2.	Iavorschi E., Milici L.D., **Atănăsoae P.,** Ungureanu C. (2025), An Experimental and Numerical Investigation of a Passive Façade and Proposals for Improving Its Energy Performance. Energies 2025, 18, 359; Impact Factor 2023: 3,0. WOS:001405431300001 https://doi.org/10.3390/en18020359	(25+20*3,2)/4	22,25
3.	Pop T., Ungureanu C., Pentiuc R.D., Afanasov C., Ifrim V.C., **Atănăsoae P.**, Milici D.L. (2023), Off-Grid Hybrid Renewable Energy System Operation in Different Scenarios for Household Consumers. Energies 2023, 16(7), 2992; Impact Factor 2023: 3,0. WOS:000969557900001 https://doi.org/10.3390/en16010134	(25+20*3,0)/7	12,14
4.	**Atănăsoae P.** (2023), Allocation of Joint Costs and Price Setting for Electricity and Heat Generated in Cogeneration. Energies 2023, 16(1), 134; Impact Factor 2023: 3,0. WOS:000909387700001 https://doi.org/10.3390/en16010134	(25+20*3,0)/1	85,00
5.	Ifrim V.C., Milici L.D., **Atănăsoae P.**, Irimia D., Pentiuc R.D. (2022), Future Research Tendencies and Possibilities of Using Cogeneration Applications of Solar Air Heaters: A Bibliometric Analysis. Energies 2022, 15, 7114; Impact Factor 2022: 3,2. WOS:000866856900001 https://doi.org/10.3390/en15197114	(25+20*3,2)/5	17,80
6.	**Atănăsoae P.**, Pentiuc R.D., Milici L.D. (2022), Opportunity Analysis of Cogeneration and Trigeneration Solutions: An Application in the Case of a Drug Factory. Energies 2022, 15, 2737; Impact Factor 2022: 3,2. WOS:000785546500001 https://doi.org/10.3390/en15082737	(25+20*3,2)/3	29,67
7.	Cernușcă D., Milici L.D., Pentiuc R.D., **Atănăsoae P.**, Ungureanu C., Hopulele E. (2022), Experimental Analysis on the Impact of Current on the Strength and Lifespan of a Ni-Ti Element. Applied Sciences 2022, 12(6), 3185; Impact Factor: 2,7 (2022). WOS:000775877600001 https://doi.org/10.3390/app12063185	(25+20*2,7)/6	13,17
8.	**Atănăsoae P.** (2020), Technical and Economic Assessment of Micro-Cogeneration Systems for Residential Applications. Sustainability 2020, 12 (3), 1074; Impact Factor: 3,251 (2020). WOS:000524899601017 https://doi.org/10.3390/su12031074	(25+20*3,251)/ 1	90,02
9.	**Atănăsoae P.** (2020), The Efficient Use of Natural Gas in Cogeneration Applications for Small Consumers. Procedia Manufacturing 2020, 46, 364-369. WOS:000582466200052 https://doi.org/10.1016/j.promfg.2020.03.053	25/1	25,00
10.	**Atănăsoae P.,** Pentiuc R.D., Milici D.L., Olariu E.D., Poienar M. (2019), The Cost-Benefit Analysis of the Electricity Production from Small Scale Renewable Energy Sources in the Conditions of Romania. Procedia Manufacturing 32 (2019), 385–389, Elsevier. WOS:000471295800055 https://doi.org/10.1016/j.promfg.2019.02.230	25/5	5,00
11.	**Atănăsoae P.** (2018), The Operating Strategies of Small-Scale Combined Heat and Power Plants in Liberalized Power Markets. Energies 2018, 11(11), 3110; Impact Factor 2018: 2,707.	(25+20*2,707)/ 1	79,14

	WOS:000451814000248 https://doi.org/10.3390/en11113110		
12.	**Atănăsoae P.**, Pentiuc R., (2018), Choosing the Energy Sources Needed for Utilities in the Design and Refurbishment of Buildings. Buildings 2018, 8, 54; Impact Factor 2018: 2,648. WOS:000430894400008 https://doi:10.3390/buildings8040054	(25+20*2,648)/ 2	38,98
13.	**Atănăsoae P.**, Pentiuc R., Popescu P., Martin V. (2018), Factors which influence the qualification of the electricity production in high efficiency cogeneration for biomass combined heat and power plants. Procedia Manufacturing 22 (2018), 651–658, Elsevier. WOS:000456199200092 https://doi.org/10.1016/j.promfg.2018.03.094	25/4	6,25
14.	**Atănăsoae P.**, Pentiuc R.D., Milici R.M., Hopulele E., Mihai I. (2018), Promoting the Electricity Generation from Biomass in Romania. 10th International Conference and Exposition on Electrical and Power Engineering (EPE 2018), 18-19 October 2018, Iasi, Romania, pg.373-376. WOS:000458752200070 https://ieeexplore.ieee.org/document/8559890	25/5	5,00
15.	**Atănăsoae P.**, Pentiuc R., (2017), The Qualification of Electricity Production in High Efficiency Cogeneration for the Access to the Support Scheme through Green Certificates, Problemele Energeticii Regionale, nr. 3 (35), 2017, Institutul de Energetică al Academiei de Științe a Moldovei, Chişinău, pag.58-68. WOS:000424155300007 http://journal.ie.asm.md/ro/contents/electronni-jurnal-335-2017	(25+20*0)/2	12,50
16.	**Atănăsoae P.**, Pentiuc R., (2017), Considerations on the green certificate support system for electricity production from renewable energy sources. Procedia Engineering 181 (2017) 796 – 803, Elsevier. WOS:000404612700111 https://doi.org/10.1016/j.proeng.2017.02.469	25/2	12,50
17.	**Atănăsoae P.,** Pentiuc R., (2017), The Modeling and Simulation of the Synchronous Generators Connection to the Power System, 5th International Symposium on Electrical and Electronics Engineering (ISEEE), 20 – 22 October, 2017, Galati, Romania. WOS:000428234400038 https://ieeexplore.ieee.org/document/8170662	25/2	12,50
18.	**Atănăsoae P.** (2016), Determining the operating diagram for the cogeneration steam turbines. Procedia Technology, Volume 22, pg. 797-802, Elsevier. WOS:000383949300111 https://doi.org/10.1016/j.protcy.2016.01.051	25/1	25,00
19.	**Atănăsoae P.**, Pentiuc R., Hopulele E. (2016), Energy Recovery of Municipal Solid Waste for Combined Heat and Power Production. 2016 International Conference and Exposition on Electrical and Power Engineering (EPE 2016), 20-22 October 2016, Iasi, Romania, pg.842-845. WOS:000390706300165 https://ieeexplore.ieee.org/document/7781455	25/3	8,33
20.	**Atănăsoae P.**, Pentiuc R., Hopulele E. (2015), The optimal distribution of reactive power on synchronous generators in power plants. Procedia Technology, Volume 19, pg. 637-642, Elsevier. WOS:000358732500089 https://doi.org/10.1016/j.protcy.2015.02.090	25/3	8,33
21.	**Atănăsoae P.**, Pentiuc R., (2014), Indices for the Power Quality Monitoring in the Romanian Power Transmission System, The 16th IEEE International Conference on Harmonics and Quality of Power (ICHQP 2014), 25 – 28 May 2014, Bucuresti, Romania. WOS:000343776100015 https://ieeexplore.ieee.org/abstract/document/6842933	25/2	12,50
22.	**Atănăsoae P.**, Hopulele E. (2014), The Impact of the Support Scheme on the Installed Capacity in Renewable Energy Sources in Romania. 2014 International	25/2	12,50

	Conference and Exposition on Electrical and Power Engineering (EPE 2014), 16-18 October 2014, Iasi, Romania, pg.1148-1151. WOS:000353565300209 https://ieeexplore.ieee.org/document/6970089		
23.	**Atănăsoae P.** (2012), The Technical and Economic Analysis of the Trigeneration Plants, 2012 International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October, Iasi, Romania, pg.968-971. WOS:000324685300177 https://ieeexplore.ieee.org/document/6463808	25/1	25,00
	2.2. Articole în reviste şi în volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale (BDI) (Scopus, IEEE Xplore, Science Direct, Elsevier, Wiley, ACM, DBLP, Springerlink, Engineering Village, Cabi, Emerald, CSA, Compendex, INSPEC, EBSCO, ProQuest, IndexCopernicus, Urlichsweb) (Profesor: minimum 20 articole)	20/nr.de autori	
1.	**Atănăsoae P.**, Pentiuc R.D., Ungureanu C., Hopulele E., Ungureanu L.G. (2025), Biogas as a Circular Energy Vector: Integrating Cogeneration into the Organic Waste Recovery Chain. 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), 16 – 18 October 2025, Chişinău, Republica Moldova, (IEEE Xplore). https://ieeexplore.ieee.org/abstract/document/11260722	20/5	4,00
2.	Ungureanu L.G., **Atănăsoae P.** (2025), Effects of Biomass Type and Fermentation Temperature on Methane and Energy Production. Proceedings of 25th International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 2025, Volume 25, Issue 4.1, 28 June - 7 July, 2025, Albena, Bulgaria, (ProQuest). https://epslibrary.at/sgem_jresearch_publication_view.php?page=view&editid1=10427	20/2	10,00
3.	Mighiu D., Pentiuc R.D., **Atănăsoae P.**, Ţâbuleac R.M. (2024), The Current State of Switching Principles and Switching Equipment in the Medium Voltage Networks of the National Energy System in Romania. 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), 17-19 October 2024, Iasi, Romania, pg. 681-686, (IEEE Xplore). https://ieeexplore.ieee.org/document/10758067	20/4	5,00
4.	Şumovschi A.I., Pentiuc R.D., **Atănăsoae P.** (2023), Cost-Benefit Analysis for Renewable Energy Generation in a Hotel-type Building, 2023 International Conference on Electromechanical and Power Systems (SIELMEN), 11 – 13 October 2023, Chişinău, Republica Moldova, (IEEE Xplore). https://ieeexplore.ieee.org/document/10290834	20/3	6,67
5.	Pop T., Pentiuc R.D., Ifrim V.C., Bejenar C., **Atănăsoae P.** (2023), Review of monitoring technologies used in hybrid photovoltaic systems. Journal of Engineering Studies and Research, 29(3), 66-79, (ProQuest). https://doi.org/10.29081/jesr.v29i3.007	20/5	4,00
6.	Pop T., Pentiuc R.D., Ifrim V.C., **Atănăsoae P.** (2023), Recent tendencies in PV/T system performance – a review. Journal of Engineering Studies and Research, 29(2), 61-71, (ProQuest). https://jesr.ub.ro/1/article/view/385	20/4	5,00
7.	Ifrim V.C., Bejenar C., Milici L.D., **Atănăsoae P.**, (2022), LabVIEW-based solar air heater monitoring system. Annual Session of Scientific Papers - IMT Oradea 2022, IOP Conference Series: Materials Science and Engineering, 1256 (2022) 012036, (ProQuest). DOI 10.1088/1757-899X/1256/1/012036	20/4	5,00
8.	**Atănăsoae P.**, Pentiuc R.D., Milici M.R., Hopulele E., Prodan C., Vlad V. (2021), The Influence of Renewable Energy Ratio and Conversion Factors on the Energy Performance of Buildings, 2021 International Conference on Electromechanical and Power Systems (SIELMEN), 06 – 08 October 2021, Chişinău, Republica Moldova, p.035-038, (IEEE Xplore). https://ieeexplore.ieee.org/document/9600323	20/6	3,33

9.	**Atănăsoae P.**, Pentiuc R.D., Hopulele E. (2020), Considerations Regarding the Negative Prices on the Electricity Market. Proceedings 2020, 63(1), 26, (DOAJ). https://doi.org/10.3390/proceedings2020063026	20/3	6,67
10.	**Atănăsoae P.**, Pentiuc R., Hopulele E., Ailoae I.C., Irimia C.F. (2019), Analysis of the Price Coupling Mechanism in the Day Ahead Electricity Markets, The 8th "International Conference on Modern Power Systems" (MPS 2019), 21 – 23 May, 2019, Cluj-Napoca, Romania, (IEEE Xplore). https://ieeexplore.ieee.org/document/8759732	20/5	4,00
11.	Milici M.R., Milici L.D., **Atănăsoae P.**, Ștefănescu V. (2019), Studies on Energy Consumption Using Methods of Exponential Smoothing. 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 28 - 30 March 2019, University Politehnica of Bucharest, Romania, (IEEE Xplore). https://ieeexplore.ieee.org/document/8724946	20/4	5,00
12.	**Atănăsoae P.**, Pentiuc R., Bobric C., Olariu E., Martin V. (2017), Integration of thermal energy storage systems for improved efficiency and flexibility of the combined heat and power plants of medium and small power, 2017 International Conference on Electromechanical and Power Systems (SIELMEN), 11 – 13 October 2017, Chişinău, Republica Moldova, (IEEE Xplore). https://ieeexplore.ieee.org/document/8123342	20/5	4,00
13.	**Atănăsoae P.**, Pentiuc R., Hopulele E., Martin V., Tomuț A. (2017), Determining the Amount of Electricity Generated in High Efficiency Cogeneration for the Access to the Support Scheme through Green Certificates, The 7th "International Conference on Modern Power Systems" (MPS 2017), 6 – 9 June, 2017, Cluj-Napoca, Romania, (IEEE Xplore). https://ieeexplore.ieee.org/document/7974404	20/5	4,00
14.	**Atănăsoae P.**, Pentiuc R., Bobric C., Olariu E., Martin V. (2017), Technical and Economic Analysis of Thermal Energy Storage in the Biomass CHP Plants with ORC Technology, Annals of the University of Craiova, No. 41, Vol. 41, Issue 1, 2017, ISSN 1842 – 4805, pg.162-167, (IndexCopernicus). https://journals.indexcopernicus.com/search/article?articleId=1583225	20/5	4,00
15.	Hopulele E., **Atănăsoae P.**, Gavrilaș M. (2016), The Influence of the Tariff Charged by Electricity Suppliers on the Optimal Running of a Trigeneration Plant. 2016 International Conference and Exposition on Electrical and Power Engineering (EPE 2016), 20-22 October 2016, Iasi, Romania, pg.792-797, (IEEE Xplore). https://ieeexplore.ieee.org/document/7781446	20/3	6,67
16.	Milici M., Milici D., Pentiuc R., **Atănăsoae P.** (2016), The Mathematical Model of a Stand Measuring the Torque of the Termobimetal Actuators. 9th International Conference and Exposition on Electrical and Power Engineering (EPE 2016), 20-22 October 2016, Iasi, Romania, pag.563-566, (IEEE Xplore). https://ieeexplore.ieee.org/document/7781403	20/4	5,00
17.	**Atănăsoae P.**, Pentiuc R., Bobric C., Hopulele E. (2016), The evolution of the support scheme for promoting renewable energy sources in Romania. Renewable Energy and Environmental Sustainability, vol.1, 2016, pg.1-4, (ProQuest). https://doi.org/10.1051/rees/2016034	20/4	5,00
18.	**Atănăsoae P.** (2015), Aplicaţii ale ciclului Rankine organic utilizând surse de energie regenerabile. Revista Română de Inginerie Civilă (RRIC) 2015, 6(2), 185-192, (ProQuest). http://www.rric.ro/revista.php?id=14	20/1	20,00
19.	**Atănăsoae P.** (2015), Modelarea sistemelor cu purtători multipli de energie în clădiri. Revista Română de Inginerie Civilă (RRIC) 2015, 6(1), 43-50, (ProQuest). http://www.rric.ro/revista.php?id=13	20/1	20,00
20.	Hopulele E., Gavrilaş M., **Atănăsoae P.** (2014), Optimal Design of a Hybrid Distributed Generation System, 49th International Universities Power Engineering Conference (UPEC 2014), 2-5 September 2014, Cluj-Napoca, Romania, (IEEE Xplore). https://ieeexplore.ieee.org/document/6934798	20/3	6,67
21.	Pentiuc R., Popa C., Dascălu A., **Atănăsoae P.** (2014), The influence of LED street lighting upon network quality in electrical networks, 2014 International Conference	20/4	5,00

	and Exposition on Electrical and Power Engineering (EPE 2014), 16-18 October 2014, Iasi, Romania, pg.1092-1098, (IEEE Xplore). https://ieeexplore.ieee.org/document/6970077		
22.	**Atănăsoae P.** (2013), Piaţa certificatelor verzi şi investiţiile în surse de energie regenerabile, Revista Română de Inginerie Civilă (RRIC) 2013, 4(3), 297-304, (ProQuest). http://www.rric.ro/revista.php?id=9	20/1	20,00
23.	**Atănăsoae P.**, Pentiuc R., Popa C. (2010), The specific feature of the day ahead market in Romania. The 8th World Energy System Conference – WESC, The Scientific Buletin of Electrical Engineering Faculty – Year 10 No. 1 (12), Valahia University of Targoviste, 01-03 iulie 2010, ISSN 1843-6188, (IndexCopernicus). http://www.buletinfie.ro/ro/numere2010-1/A1%20-%20Atanasoae.pdf	20/3	6,67
24.	Dumitrescu O., **Atănăsoae P.**, Cârţină G., Grigoraş G. (2003), The influence of equipments modernization on the consumption characteristics in power plants. International Conference IC-SPETO 2003, Silesian University of Technology, Faculty of Electrical Engineering, Gliwice-Poland 28-31.05.2003, tom II, pg. 327-330, ISBN 83-85940-25-1, (INSPEC).	20/4	5,00
25.	Cârţină G., Grigoraş G., Dumitrescu O., **Atănăsoae P.** (2003), Optimal commitment of equipments in combined heat and power plants. International Conference IC-SPETO 2003, Silesian University of Technology, Faculty of Electrical Engineering, Gliwice-Poland 28-31.05.2003, tom II, pg. 331-334, ISBN 83-85940-25-1, (INSPEC).	20/4	5,00
	2.3.Brevete de invenţie indexate în alte baze de date		
	2.3.1 internaționale	20*ani de desfasurare	
1.	Țanța O.M., Pavăl M., Milici L.D., Grosu O.V., Toader V.E., **Atănăsoae P.**, Popa V. (2023), Electrical Network Fault Signalling Device, Patent EP4080228 B1 https://worldwide.espacenet.com/patent/search/family/078413962/publication/EP4080228B1?q=EP%204080228%20B1	25/7	3,57
	2.3.2 naționale		
2.	Cenușă M., Poienar M., Milici L.D., Graur A., Ungureanu C., **Atănăsoae P.**, Bobric C.E., Popa C.D. (2025), Dispozitiv automat de deschiciurare a liniilor electrice aeriene, Brevet RO134866 B1, BOPI nr.11/2025, pg.66 https://www.osim.ro/images/Publicatii/Inventii/2025/bopi_inv_11_2025.pdf	15/8	1,88
	2.4.Granturi/proiecte câştigate prin competiţie naţională/ internaţională		
	2.4.1. Director/responsabil partener proiect (Minim 2 pentru Profesor)	20*ani de desfasurare	
	2.4.1.2 internaționale		
1.	Project ROUA00343/05.04.2025 „Life-Giving Water - way towards long-term access to health – LIFE". Programul Interreg NEXT VI-A România-Ucraina 2021-2027. Valoare 386.922 EUR (Buget USV 100.922 EUR)	20*1,5 ani	30,00
	2.4.1.2 naționale		
2.	Contract nr.4BG/01.10.2016; PN-III-P2-2.1-BG-2016-0038 „Creşterea eficienței energetice a centralei de cogenerare cu tehnologie ORC și combustibil biomasă S.C. RIG Biomass S.R.L. Tarcău"; Programul 2 - Creşterea competitivităţii economiei româneşti prin cercetare, dezvoltare şi inovare; Transfer de cunoaștere la agentul economic „Bridge Grant" (Valoare 46.140 lei)	10*0,92 ani	9,17
	2.4.2. Membru în echipă		
	2.4.2.1 internaționale	4*ani de desfasurare	
1.	Project ROUA00460/20.05.2025 „Climate Synergy - Sustainable Yield through Modeling and Networked Efforts for Riverbank and Dams Governance underlying Community Climate Resilience", Programul Interreg NEXT VI-A România-Ucraina 2021-2027. Valoare 1.393.048 EUR (Buget USV 167.934 EUR)	4*2 ani	8,00
2.	Acord de parteneriat nr.26921/06.12.2023 în cadrul proiectului „SIreNERGY – Social Innovation in Renewable Energies / Inovare socială prin utilizarea energiilor regenerabile", finanțat de Programul de Cooperare Interregională INTERREG EUROPE, https://www.adrnordest.ro/ce-oferim/sirenergy/	4*4 ani	16,00

3.	Project 2SOFT/1.2/52 (2020), Cross-Border Cooperation Smart Energy CBCSmartEnergy, Grant contract Joint Operational Programme Romania – Ukraine 2014-2020 financed by ENI CBC, 134.834 EUR.	4*2 ani	8,00
4.	Project HUSKROUA/1702/6.1/0014 (2020), Cross-Border Cooperation, New Energy Solutions in Carpathian Area (NESiCA), Grant contract Joint Operational Programme Hungary-Slovakia-Romania-Ukraine 2014-2020 financed by ENI CBC, 138.126 EUR	4*2 ani	8,00
5.	Acord de parteneriat USV-ADR Nord-Est nr.5826/25.04.2018 „ENERSELVES - Policy instruments for energy self-consumption in buildings/ Instrumente de politică pentru autonomia energetică a clădirilor", finanțat de Programul de Cooperare Interregională INTERREG EUROPE, https://www.interregeurope.eu/enerselves/	4*2 ani	8,00
	2.4.2.2 naționale	2*ani de desfasurare	
1.	Contract CNFIS-FDI-2023-F-0542 (2024), „Implementarea sistemului de competențe ESCO în vederea creșterii inserției pe piața muncii absolvenților USV și consilierea și orientarea acestora în carieră". Valoare 216.000 lei.	2*1 an	2,00
2.	Contract CNFIS-FDI-2023-F-0501 (2023), „Optimizarea integrării studenților Universității Ștefan cel Mare din Suceava (USV) pe piața muncii prin adaptarea ofertei educaționale și a activității serviciilor de consiliere în carieră". Valoare 175.000 lei.	2*1 an	2,00
3.	Contract 760007/30.12.2022 (2022), NetZeRoCities - Centrul Național de Competență și Soluții pentru dezvoltarea orașelor inteligente și neutre climatic, PNRR-III-C9-2022-I5, 4.700.000 EUR (USV 500.000 EUR), (UPB, UT Cluj-Napoca, USV, UTCB, ICI, Bosch, Holisun, Beia, Orange, ICOS, DATACOR).	2*2 ani	4,00
4.	Contract CNFIS-FDI-2022-0607 (2022), „Corelarea ofertei educaționale a Universității Ștefan cel Mare din Suceava în vederea integrării studenților și absolvenților pe piața muncii". Valoare 137.000 lei.	2*1 an	2,00
5.	Contract nr. 435/02.03.2018 UEFISCDI, cu tema „Holistica impactului surselor regenerabile de energie asupra mediului și climei (HORESEC)", PN-III-P1-1.2-PCCDI-2017-0404/31PCCDI/2018	2*3 ani	6,00
6.	Contract nr.671/09.04.2015 „Materiale Avansate, Nanotehnologii şi Sisteme distribuite de fabricaţie şi control (MANSiD)", Valoare 31.460.699 lei.	2*1 an	2,00
	2.5. Contracte de cercetare/consultanță (valoare echivalentă de minim 2000 Euro)		
	2.5.1. Director/responsabil partener contract	5*ani de desfasurare	
1.	Director contract, Contract nr. 7959/24.04.2023; 7829/18.04.2024 „Urmărirea în exploatare a eficienței energetice pentru centrala de cogenerare AMBRO Suceava". Valoare totală 53.550 lei (10.802 EUR).	5*3 ani	15,00
2.	Director contract, Contract nr. 27454/28.11.2022 „Creșterea eficienței energetice în procesul de prelucrare a produselor lactate LAKTOTRIO Horodniceni". Valoare 23.800 lei.	5*1 an	5,00
3.	Director contract, Contract nr. 27128/24.11.2022 „Analiza oportunității unei instalații de cogenerare - trigenerare în procesul de vopsitorie al confecțiilor metalice la ELECTRO ALFA CM Botoșani". Valoare 26.180 lei.	5*1 an	5,00
4.	Director contract, Contract nr. 9314/02.05.2022 „Calculul de autoevaluare și întocmire documentație în vederea înregistrării producției de energie în cogenerare aferentă CHP AMBRO". Valoare 17.850 lei.	5*1 an	5,00
5.	Director contract, Contract nr. 115900 CHP-10/16.11.2020 „Servicii de pregătire a personalului de exploatare a instalației de cogenerare" în cadrul Proiectului „Creșterea eficienței energetice operaționale la SC AMBRO SA Suceava prin implementarea unei instalații de cogenerare de înaltă eficiență". Valoare 11.995 lei.	5*1 an	5,00
6.	Director contract, Contract nr.4856/25.03.2019 „Analiza oportunității unei instalații de trigenerare la S.C. Balkan Pharmaceuticals S.R.L., Chișinău, Republica Moldova". Valoare 2200 EUR.	5*1 an	5,00
7.	Director contract, Contract nr.2497/22.02.2016 „Creșterea eficienței energetice a consumului de energie termică pe platforma industrială S.C. FORESTAR S.A. și evaluarea energetică pentru o nouă capacitate de uscare rumeguș", Valoare 11.000 lei.	5*1 an	5,00

8.	Director contract, Contract nr.918/20.01.2016 „Determinarea energiei electrice produsă în cogenerare de înaltă eficienţă, ce poate beneficia de schema de sprijin prin certificate verzi, aferentă Centralei de cogenerare cu tehnologie ORC S.C. RIG Biomass S.R.L. Tarcău", Valoare 12.000 lei.	5*1 an	5,00
9.	Director contract, Contract nr.1787/2357.14/30.01.2014 „Determinarea energiei electrice produsă în cogenerare de înaltă eficienţă, ce poate beneficia de schema de sprijin prin certificate verzi, aferentă obiectivului investiţional Centrala de cogenerare pe biomasă S.C. EGGER Romania S.R.L. Rădăuţi" valoare 10.000 lei (2231 Euro)	5*2 ani	10,00
	2.5.2. Membru în echipă	2*ani de desfasurare	
1.	Contract nr. 7516/11.04.2023, „Studii şi cercetări privind prognoza orară de energie electrică", S.C. HeidelbergCement România S.A. Valoare 2000 Euro.	2*1 an	2,00
2.	Contract nr. 15803/31.07.2023, „Academia Inginerilor Delgaz Grid", Delgaz Grid S.A.. Valoare 572.456 lei.	2*2 ani	4,00
3.	Contract nr.4855/25.03.2019 „Creșterea eficienței în operarea instalațiilor electroenergetice la S.C. Balkan Pharmaceuticals S.R.L., mun. Chișinău, Republica Moldova". Valoare 2100 EUR.	2*1 an	2,00
4.	Contract nr. 662/10.08.2017, „Studiu privind analiza și optimizarea consumurilor tehnologice în stațiile electrice de transport", C.N.T.E.E. Transelectrica S.A. București (44.000 lei)	2*1 an	2,00
5.	Contract nr. 8450/21.06.2017 și 7196/08.05.2015, „Studii şi cercetări privind prognoza de energie", HeidelbergCement România SA.	2*2 ani	4,00
		TOTAL A2	**948,53**
	A3. Recunoaștere și impactul activității		
	3.1. Citări în reviste WOS şi volumele conferinţelor WOS (Profesor: minimum 8 citări)	5/nr. autori ai art. citat	
	Lucrarea citată: **Atănăsoae P.** (2018), The Operating Strategies of Small-Scale Combined Heat and Power Plants in Liberalized Power Markets. Energies 2018, 11(11), 3110; Impact Factor 2018: 2,707.	5/1	30,00
1.	Vassiliades C , Vardopoulos I., Barone G., Santamouris M., Kalogirou S. (2025), Exposing the limits in the residential building energy performance certification model. ENERGY REPORTS 2025, 14, 1008-1019. WOS:001545207700001 DOI: 10.1016/j.egyr.2025.07.011		
2.	Bartnik R., Hnydiuk-Stefan A., Buryn Z., Skomudek W., Otawa A. (2020), Methodology of determination of the optimal investment strategy in single-fuel CHP plants. Energy Strategy Reviews, 32, 100572. WOS:000600366900003 https://doi.org/10.1016/j.esr.2020.100572		
3.	Zamasz K., Kaplan R., Kaszynski P., Saluga P.W. (2020), An Analysis of Support Mechanisms for New CHPs: The Case of Poland. Energies 2020, 13(21), 5635. WOS:000589162500001 DOI: 10.3390/en13215635		
4.	Lennart Merkert, Ashvar Abdoul Haime and Sören Hohmann (2019), Optimal Scheduling of Combined Heat and Power Generation Units Using the Thermal Inertia of the Connected District Heating Grid as Energy Storage, Energies 2019, 12(2), 266. WOS:000459743700067 https://doi.org/10.3390/en12020266		
5.	Marina Montero Carrero, Irene Rodríguez Sánchez et. Al. (2019), Is There a Future for Small-Scale Cogeneration in Europe? Economic and Policy Analysis of the Internal Combustion Engine, Micro Gas Turbine and Micro Humid Air Turbine Cycles. Energies 2019, 12(3), 413. WOS:000460666200081 https://doi.org/10.3390/en12030413		
6.	Hopulele E., Pentiuc R.D., Gavrilas M., Neagu B.C. (2019), Optimizing the operation of a trigeneration system designed to meet energy requirements for a consumer. IEEE PES Innovative Smart Grid Technologies Europe (IEEE ISGT-Europe), University Politehnica Bucharest, Bucharest, ROMANIA, SEP 29-OCT 02, 2019. WOS:000550100400200 DOI: 10.1109/isgteurope.2019.8905655		
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	Atănăsoae P. (2020), Technical and economic assessment of micro-cogeneration systems for residential applications. Sustainability 12 (3), 1074; Impact Factor 2018: 2,592; https://doi.org/10.3390/su12031074		
7.	Mazurenko A., Panda A., Klymchuk O., Pozdniakova G., Pustovit A. Valicek J. Harnicarova M. (2025), STABILITY OF SYSTEMS IN EXTREME OPERATING CONDITIONS. MM SCIENCE JOURNAL 2025, 8916-8920. WOS:001614025400001 DOI: 10.17973/MMSJ.2025_11_2025037		
8.	Aliabadi Y., Asgari O., Mohammadi M., Ghanbari F. (2025), Sustainable solar energy potential using GIS-PVSOL: An integrated technical, economic, environmental and social analysis in Qazvin, Iran. Results in Engineering 2025, 28, 107088. WOS:001582487000007 https://doi.org/10.1016/j.rineng.2025.107088		
9.	Auñón-Hidalgo J.A., Auñón-Rodríguez, F. (2025), Evaluation modelling of a combined heat, power and cooling system with zero CO2 emissions: Solar photovoltaic and thermal energy, biomass Stirling engine and adsorption plant for housing. Energy and Buildings 2025, 345, 116062. WOS:001525157600001 https://doi.org/10.1016/j.enbuild.2025.116062		
10.	Xu, W.Y.; Tu, J.L.; Xu, N.; Liu, Z.M. (2025), Innovative multi-objective optimization for financially viable and efficient residential μCHP system planning. International Journal of Hydrogen Energy 2025, 106, 1184-1197. WOS:001425048100001 https://doi.org/10.1016/j.ijhydene.2025.02.040		
11.	Alkhalaf Qusai, Kumar Raj, Suri Amar Raj Singh, Thapa Sashank, Lee Daeho, Alwetaishi Mamdooh, Agbulut Uemit (2025), A critical discussion of modelling, performance assessment, and design recommendations-based case study of solar dish Stirling system. Journal of Thermal Analysis and Calorimetry 2025. WOS:001410194700001 https://doi.org/10.1007/s10973-024-13879-x		
12.	Ebazadeh, Y.; Alayi, R.; Jamali, E. Investigation and Sensitivity Analysis of Economic Parameters on the Operation of Cogeneration Systems to Supply Required Energies for Residential Buildings. Eng 2024, 5, 2092-2107. WOS:001322992900001 https://doi.org/10.3390/eng5030111		
13.	Sokolowski Maciej M., Rosen Marc A. (2024), COOP-PRODUCTION OF HEAT AND POWER CHP in Cogenatives and Cogenmunities (Co-CHPs). Book Routledge Handbook of Energy Communities and Smart Cities, pp.143-154. WOS:001207320400011 DOI:10.4324/9781003280118-12		
14.	Im Yong Hoon, Youn Young Jik (2023), Techno-economic analysis for the effects of electricity pricing system on the market competitiveness of cogeneration model. Energy Strategy Reviews 2023, 45, 101037. WOS:000916226100001 https://doi.org/10.1016/j.esr.2022.101037		
15.	Im, Y. (2022), Assessment of the Impact of Renewable Energy Expansion on the Technological Competitiveness of the Cogeneration Model. Energies 2022, 15, 6844. WOS:000858280700001 https://doi.org/10.3390/en15186844		
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19.	Picallo-Perez A, Sala-Lizarraga JM, Escudero-Revilla C, Hidalgo-Betanzos JM and Ruiz de Vergara I (2022), Thermoeconomic Analysis in Advanced Cogeneration Systems in Buildings. Frontiers in Energy Research 2022, 9, 802971.		

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21.	Cheekatamarla, P.K. (2021), Decarbonization of Residential Building Energy Supply: Impact of Cogeneration System Performance on Energy, Environment, and Economics. Energies 2021, 14, 2538. WOS:000650176700001 https://doi.org/10.3390/en14092538		
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47.	Pizarro S. A., Candelo-Becerra J. E., Hoyos Velasco F.E. (2020), Optimal parameters of inverter-based microgrid to improve transient response. International Journal of Electrical & Computer Engineering 2020. DOI: 10.11591/ijece.v10i1.pp637-650 (SCOPUS)		
	3.4. Recenzor pentru reviste şi manifestări ştiinţifice naţionale şi internaţionale (punctajul se acordă pentru fiecare revistă, manifestare ştiinţifică şi recenzie)		
	3.4.1. ISI		
1.	Activitatea de recenzie la adresa: https://www.webofscience.com/wos/author/rid/M-8722-2017 **314 recenzii în reviste indexate WoS** (total 317 din care 3 recenzii în reviste BDI): Energy Conversion and Management (IF 2024: 10.9), Energy (IF 2024: 9.4), Journal of Environmental Management (IF 2024: 8.4), Sustainable Energy Technologies and Assessments (IF 2024: 7.0), Advanced Sustainable Systems (IF 2024: 6.1), IEEE Transactions on Energy Conversion (IF 2024: 5.4), Energy Reports (IF 2024: 5.1), International Journal of Electrical Power & Energy Systems (IF 2024: 5.0), Batteries (IF 2024: 4.8), Computers (IF 2024: 4.2), Remote Sensing (IF 2024: 4.1), Frontiers in Environmental Science (IF 2024: 3.7), Future Internet (IF 2024: 3.6), Technologies (IF 2024: 3.6), Sensors (IF 2024: 3.5), Fractal and Fractional (IF 2024: 3.3), Sustainability (IF 2024: 3.3), Energies (IF 2024: 3.2), Materials (IF 2024: 3.2), Resources (IF 2024: 3.2), Buildings (IF 2024: 3.1), Systems (IF 2024: 3.1), Water (IF 2024: 3.0), Information (IF 2024: 2.9), Coatings (IF 2024: 2.8), Journal of Marine Science and Engineering (IF 2024: 2.8), Processes (IF 2024: 2.8), Electronics (IF 2024: 2.6), World Electric Vehicle Journal (IF 2024: 2.6), Applied Sciences (IF 2024: 2.5), Eng (IF 2024: 2.4), Atmosphere (IF 2024: 2.3), Energy Sources Part A: Recovery, Utilization and Environmental Effects (IF 2024: 2.2), Mathematics (IF 2024: 2.2), Symmetry (IF 2024: 2.2), Algorithms (IF 2024: 2.1), Inventions (IF 2024: 1.9), Energy Exploration & Exploitation (IF 2024: 1.6), Modelling (IF 2024: 1.5)	10*314	3140,00

2.	Renewable Energy (IF 2024: 9.1), 35 recenzii, https://www.sciencedirect.com/journal/renewable-energy	10*35	350,00
3.	Energy Efficiency (IF 2024: 4), 1 recenzie, https://link.springer.com/journal/12053	10*1	10,00
4.	Fluid Dynamics & Materials Processing (IF 2024: 0.7), 1 recenzie, https://www.techscience.com/journal/fdmp	10*1	10,00
5.	EPE 2018 - The 10th IEEE International Conference and Exposition on Electrical and Power Engineering, October 18-19, 2018, Iasi, Romania, http://www.epe.tuiasi.ro/2018/ (4 recenzii)	10*4	40,00
6.	Eastern European Economics (IF 2024: 1.2), 1 recenzie, https://www.jstor.org/journal/easteuroecon	10*1	10,00
7.	Archives of Electrical Engineering (IF 2024: 0.9), 1 recenzie, https://aee.put.poznan.pl/	10*1	10,00
	3.4.2. BDI		
1.	Sci, 2 recenzii, https://www.mdpi.com/journal/sci	6*2	12,00
2.	2025 International Conference on Electromechanical and Energy Systems (SIELMEN), 16 – 18 October 2025, Chişinău, Republica Moldova (4 recenzii)	6*4	24,00
3.	EPEi 2024 - The 13th IEEE International Conference and Exposition on Electrical and Power Engineering, October 17-19, 2024, Iasi, Romania, http://www.epe.tuiasi.ro/2024/ (2 recenzii)	6*2	12,00
4.	The 2nd International Symposium on Automation, Information and Computing (ISAIC 2021), 3-6 December 2021, Beijing Jiaotong University, China, http://wikicfp.com/cfp/servlet/event.showcfp?eventid=120267 (5 recenzii)	6*5	30,00
5.	EEEP 2021 - The Sixth International Conference on Energy Engineering and Environmental Protection, November 16-18, 2021, Sanya, China, http://www.iceeep.org/ (1 recenzie)	6*1	6,00
6.	CSAE2020 - The 4th International Conference on Computer Science and Application Engineering; October 20-22, 2020, Sanya, China, http://www.csaeconf.org/Default.aspx (1 recenzie)	6*1	6,00
7.	MEIE 2020 - The Third International Conference on Mechanical, Electric and Industrial Engineering; May 23-25, 2020, Kunming, China, http://www.icmeie.com/2020/ (2 recenzii)	6*2	12,00
8.	Buletinul Institutului Politehnic din Iași, 1 recenzie, http://www.bulipi-eee.tuiasi.ro/	6*1	6,00
9.	EEEP 2019 - The Fourth International Conference on Energy Engineering and Environmental Protection, November 19-21, 2019, Sanya, China, http://www.iceeep.org/ (4 recenzii)	6*4	24,00
10.	MEIE 2019 - The Second International Conference on Mechanical, Electric and Industrial Engineering; May 25-27, 2019, Hangzhou, China, http://www.icmeie.com/2019/ (1 recenzie)	6*1	6,00
11.	EEEP 2018 - The Third International Conference on Energy Engineering and Environmental Protection, November 19-21, 2018, Sanya, China, http://www.iceeep.org/ (4 recenzii)	6*4	24,00
	3.4.3. naționale și internaționale neindexate		
1.	Journal of Energy, 1 recenzie, https://onlinelibrary.wiley.com/index/6953	3*1	3,00
2.	25th EEEIC International Conference on Environment and Electrical Engineering & 9th I&CPS Industrial and Commercial Power Systems Europe, Chania, Greece, https://www.eeeic.net/ (3 recenzii)	3*3	9,00
3.	Trends in Computer Science and Information Technology, 1 recenzie, https://www.peertechzpublications.com/index.php/journals/trends-in-computer-science-and-information-technology	3*1	3,00
4.	IWEG 2018 - International Workshop on Environment and Geoscience, June 15-17, 2018, Hangzhou, China, http://www.iwegconf.org/ (1 recenzie)	3*1	3,00
5.	EEEP 2017 - The Second International Conference on Energy Engineering and Environmental Protection, November 20-22, 2017, Sanya, China, http://www.iceeep.org/2017/ (1 recenzie)	3*1	3,00
6.	The Open Mechanical Engineering Journal, 1 recenzie, https://www.benthamopen.com/TOMEJ/	3*1	3,00
	3.5.Referent in comisii de doctorat		

	3.5.2 nationale		
1.	Membru în comisia de doctorat a d-lui Abu Bandora Mahmoud, 06.02.2026	5	5,00
2.	Membru în comisia de doctorat a d-rei Grosu Oana Vasilica, 20.06.2025	5	5,00
	3.6.Premii		
	ASAS, AOSR, academii de ramura si CNCS		
1.	Premiul CNCS-UEFISCDI, PN-III-P1-1.1-PRECISI-2020-44705, Subprogram 1.1 - Resurse Umane - Premierea rezultatelor cercetarii - Articole, Competitia 2020 cu lucrarea "Technical and Economic Assessment of Micro Cogeneration Systems for Residential Applications", publicată în Sustainability 2020, 12 (3), 1074. https://uefiscdi.gov.ro/resource-824384-precisi_2020_lista-1_partial-2_verificare-eligibilitate-an-2020_.pdf	15	15,00
2.	Premiul CNCS-UEFISCDI, PN-III-P1-1.1-PRECISI-2019-30312, Subprogram 1.1 - Resurse Umane - Premierea rezultatelor cercetarii - Articole, Competitia 2019 cu lucrarea "The Operating Strategies of Small-Scale Combined Heat and Power Plants in Liberalized Power Markets", publicată în Energies 2018, 11(11), 3110. https://uefiscdi.gov.ro/resource-823704?&wtok=&wtkps=XU5LDoIwEL1L14odSgGHjScwJp4Aa	15	15,00
	Premii internaționale		
3.	Top reviewers in Cross-Field - September 2019, https://www.webofscience.com/wos/author/record/M-8722-2017	10	10,00
4.	Top reviewers for Engineering - September 2018, https://www.webofscience.com/wos/author/record/M-8722-2017	10	10,00
5.	Medalia de aur – Hybrid solar system with automatic adjustment, IFRIM Cătălin Visarion, BEJENAR Ciprian, UNGUREANU Constantin, MILICI Laurențiu Dan, **ATĂNĂSOAE Pavel,** 2025 Kaohsiung International Invention & Design EXPO, 4-6 December 2025, Kaohsiung, Taiwan	10	10,00
6.	Medalia de aur – System for saving low-beam lifght sources and method for adjustment, MIHĂILESCU Gheorghiță Stelian, BEJENAR Ciprian, MILICI Laurențiu Dan, DULGHERU Ștefan Bogdan, PENTIUC Radu Dumitru, **ATĂNĂSOAE Pavel,** 2025 Kaohsiung International Invention & Design EXPO, 4-6 December 2025, Kaohsiung, Taiwan	10	10,00
7.	Medalia de argint – Sistem solar hibrid cu reglare automată, IFRIM Cătălin Visarion, BEJENAR Ciprian, UNGUREANU Constantin, MILICI Laurențiu Dan, **ATĂNĂSOAE Pavel,** Expoziția Internațională Specializată INFOINVENT, 3-5 Decembrie 2025, Chișinau, Republica Moldova	10	10,00
8.	Medalia de bronz – Sistem pentru economisirea surselor de lumină de fază scurtă și metodă de reglare, MIHĂILESCU Gheorghiță Stelian, BEJENAR Ciprian, MILICI Laurențiu Dan, DULGHERU Ștefan Bogdan, PENTIUC Radu Dumitru, **ATĂNĂSOAE Pavel,** Expoziția Internațională Specializată INFOINVENT, 3-5 Decembrie 2025, Chișinau, Republica Moldova	10	10,00
9.	Medalia de aur – Hybrid solar system with automatic adjustment, IFRIM Cătălin Visarion, BEJENAR Ciprian, UNGUREANU Constantin, MILICI Laurențiu Dan, **ATĂNĂSOAE Pavel,** International Invention & Trade Expo ITE, October 2025, Londra, UK	10	10,00
10.	Medalia de argint – System for saving low-beam lifght sources and method for adjustment, MIHĂILESCU Gheorghiță Stelian, BEJENAR Ciprian, MILICI Laurențiu Dan, DULGHERU Ștefan Bogdan, PENTIUC Radu Dumitru, **ATĂNĂSOAE Pavel**, International Invention & Trade Expo ITE, October 2025, Londra, UK	10	10,00
11.	Medalia de aur – Hybrid solar system with automatic adjustment, IFRIM Cătălin Visarion, BEJENAR Ciprian, UNGUREANU Constantin, MILICI Laurențiu Dan, **ATĂNĂSOAE Pavel,** International Invention Show - INOVA, September 2025, Zagreb, Croatia	10	10,00
12.	Medalia de argint – System for saving low-beam lifght sources and method for adjustment, MIHĂILESCU Gheorghiță Stelian, BEJENAR Ciprian, MILICI Laurențiu Dan, DULGHERU Ștefan Bogdan, PENTIUC Radu Dumitru, **ATĂNĂSOAE Pavel**, International Invention Show - INOVA, September 2025, Zagreb, Croatia	10	10,00

13.	Medalia de aur - Hybrid system for improving the energy efficiency of photovoltaic panels, MILICI Laurențiu Dan, PAVĂL Mihaela, **ATĂNĂSOAE Pavel**, NIȚAN Ilie, UNGUREANU Constantin, IAVORSCHI Eugen, ALISAVETEI Irina, TUDURIU Constantin Cornel, International Invention Show - INOVA, October 2024, Zagreb, Croatia	10	10,00
14.	Medalia de aur - Method and system for limiting the load curve, BEJENAR Ciprian, BEJENAR Marian, MILICI Laurențiu Dan, PENTIUC Radu Dumitru, **ATĂNĂSOAE Pavel,** POPA Cezar Dumitru, POP Teodor, IFRIM Visarion, International Invention Show - INOVA, October 2024, Zagreb, Croatia	10	10,00
15.	Medalia de bronz - Electrical network fault signaling device, ȚANȚA Ovidiu Magdin, PAVĂL Mihaela, MILICI Laurențiu Dan, GROSU Oana Vasilica, TOADER Eusebiu, **ATĂNĂSOAE Pavel,** POPA Valentin, International Invention Show - INOVA, October 2024, Zagreb, Croatia	10	10,00
16.	Medalia de aur - Hybrid system for improving the energy efficiency of photovoltaic panels, MILICI Laurențiu Dan, PAVĂL Mihaela, **ATĂNĂSOAE Pavel,** NIȚAN Ilie, UNGUREANU Constantin, IAVORSCHI Eugen, ALISAVETEI Irina, TUDURIU Constantin Cornel, International Invention & Trade Expo ITE, 24-25 September 2024, Londra, UK	10	10,00
17.	Medalia de aur - Method and system for limiting the load curve, BEJENAR Ciprian, BEJENAR Marian, MILICI Laurențiu Dan, PENTIUC Radu Dumitru, **ATĂNĂSOAE Pavel**, POPA Cezar Dumitru, POP Teodor, IFRIM Visarion, International Invention & Trade Expo ITE, 24-25 September 2024, Londra, UK	10	10,00
18.	Medalia de aur – Hybrid system for improving the energy efficiency of photovoltaic panels, MILICI Laurențiu Dan, PAVĂL Mihaela, **ATĂNĂSOAE Pavel**, NIȚAN Ilie, UNGUREANU Constantin, IAVORSCHI Eugen, ALISAVETEI Irina, TUDURIU Constantin Cornel, International Innovation and Invention Summit, 16-17 May 2024, Krakov, Poland	10	10,00
19.	Medalia de aur - Method and system for limiting the load curve, BEJENAR Ciprian, BEJENAR Marian, MILICI Laurențiu Dan, PENTIUC Radu Dumitru, **ATĂNĂSOAE Pavel,** POPA Cezar Dumitru, POP Teodor, IFRIM Visarion, International Innovation and Invention Summit, 16-17 May 2024, Krakov, Poland	10	10,00
20.	Medalia de bronz - Electrical network fault signaling device, ȚANȚA Ovidiu Magdin, PAVĂL Mihaela, MILICI Laurențiu Dan, GROSU Oana Vasilica, TOADER Eusebiu, **ATĂNĂSOAE Pavel**, POPA Valentin, International Invention Show - INOVA, October 2022, Osijek, Croatia	10	10,00
21.	Medalia de aur - Electrical network fault signaling device, ȚANȚA Ovidiu Magdin, PAVĂL Mihaela, MILICI Laurențiu Dan, GROSU Oana Vasilica, TOADER Eusebiu, **ATĂNĂSOAE Pavel**, POPA Valentin, International Exhibition of Innovation and Technology Transfer, 23 September, 2022, Chișinău, Republica Moldova	10	10,00
22.	Medalia de aur - Energy recovery system, MILICI Laurențiu Dan, PAVĂL Mihaela, NIȚAN Ilie, GROSU Oana Vasilica, TOADER Eusebiu, POPA Cezar Dumitru, **ATĂNĂSOAE Pavel,** BOBRIC Crenguța Elena, IRIMIA Daniela, Salonul de inventică International Invention & Trade Expo ITE, 23 September 2021, Londra, UK	10	10,00
23.	Medalie de aur - Automatic ice remover device for aerial power lines, CENUȘĂ Mihai, POIENAR Mihaela, MILICI Laurențiu-Dan, GRAUR Adrian, UNGUREANU Constantin, **ATĂNĂSOAE Pavel,** BOBRIC Crenguța-Elena, POPA Cezar-Dumitru, International Invention Show - INOVA, November 2020, Zagreb, Croatia	10	10,00
24.	Medalie de bronz - Automatic ice remover device for aerial power lines, CENUȘĂ Mihai, POIENAR Mihaela, MILICI Laurențiu-Dan, GRAUR Adrian, UNGUREANU Constantin, **ATĂNĂSOAE Pavel**, BOBRIC Crenguța-Elena, POPA Cezar-Dumitru, International Warsaw Invention Show, 21 October 2020, Varsovia, Polonia	10	10,00
25.	Medalia de aur - Automatic ice remover device for aerial power lines, CENUȘĂ Mihai, POIENAR Mihaela, MILICI Laurențiu Dan, GRAUR Adrian, UNGUREANU Constantin**, ATĂNĂSOAE Pavel**, BOBRIC Crenguța Elena, POPA Cezar Dumitru, Salonul de inventică International Invention & Trade Expo ITE, 10-11 September 2020, Londra, UK	10	10,00
26.	Medalia de aur - Flood protection system in buildings, CENUȘĂ Mihai, MILICI Laurențiu Dan, POIENAR Mihaela, TOADER Eusebiu Vasile, **ATĂNĂSOAE Pavel,** POPA Cezar Dumitru, PIANÎH Alexei, SABADAȘ Anna, International Invention Show - INOVA, 13 - 16 November 2019, Zagreb, Croația	10	10,00

27.	Medalia de argint - System and method for measuring and connecting single-phase electric energy consumers, CENUȘĂ Mihai, MILICI Laurenţiu Dan, ROMANESCU Adrian, ȚANȚA Ovidiu, NIȚAN Ilie, POIENAR Mihaela, **ATĂNĂSOAE Pavel**, PRODAN Cristina, AFANASOV Ciprian, VLAD Valentin, International Invention Show - INOVA, 13 - 16 November 2019, Zagreb, Croația	10	10,00
	Premii naționale în domeniu		
28.	Medalia de aur – Hybrid solar system with automatic adjustment, IFRIM Cătălin Visarion, BEJENAR Ciprian, UNGUREANU Constantin, MILICI Laurențiu Dan, **ATĂNĂSOAE Pavel,** International Innovation and Invention Show Euro Politehnicus 2025, 21-23 Noiembrie 2025, București	5	5,00
29.	Medalia de aur – System for saving low-beam lifght sources and method for adjustment, MIHĂILESCU Gheorghiță Stelian, BEJENAR Ciprian, MILICI Laurențiu Dan, DULGHERU Ștefan Bogdan, PENTIUC Radu Dumitru, **ATĂNĂSOAE Pavel**, International Innovation and Invention Show Euro Politehnicus 2025, 21-23 Noiembrie 2025, București	5	5,00
30.	Medalia de aur – Sistem solar hibrid cu reglare automată, IFRIM Cătălin Visarion, BEJENAR Ciprian, UNGUREANU Constantin, MILICI Laurențiu Dan, **ATĂNĂSOAE Pavel,** Salonul Internațional al Cercetării Științifice, Inovării și Inventicii Pro Invent, 15-17 Octombrie 2025, Cluj Napoca	5	5,00
31.	Medalia de aur – Sistem pentru economisirea surselor de lumină de fază scurtă și metodă de reglare, MIHĂILESCU Gheorghiță Stelian, BEJENAR Ciprian, MILICI Laurențiu Dan, DULGHERU Ștefan Bogdan, PENTIUC Radu Dumitru, **ATĂNĂSOAE Pavel,** Salonul Internațional al Cercetării Științifice, Inovării și Inventicii Pro Invent, 15-17 Octombrie 2025, Cluj Napoca	5	5,00
32.	Medalia de argint - Energy recovery system, MILICI Laurenţiu Dan, PAVĂL Mihaela, NIȚAN Ilie, GROSU Oana Vasilica, TOADER Eusebiu, POPA Cezar Dumitru, **ATĂNĂSOAE Pavel,** BOBRIC Crenguţa Elena, IRIMIA Daniela, Salonul internațional de inventică Euroinvent, 22 Mai 2021, Iași	5	5,00
33.	Medalie de aur – Dispozitiv automat de deschiciurare a liniilor electrice aeriene, CENUȘĂ Mihai, POIENAR Mihaela, MILICI Laurențiu-Dan, GRAUR Adrian, UNGUREANU Constantin, **ATĂNĂSOAE Pavel,** BOBRIC Crenguța-Elena, POPA Cezar-Dumitru, Salonul Internațional al Cercetării Științifice, Inovării și Inventicii Pro Invent, 18-20 Noiembrie 2020, Cluj Napoca	5	5,00
34.	Medalia de aur - Dispozitiv automat de deschiciurare a liniilor electrice aeriene, CENUȘĂ Mihai, POIENAR Mihaela, MILICI Laurențiu Dan, GRAUR Adrian, UNGUREANU Constantin, **ATĂNĂSOAE Pavel**, BOBRIC Crenguța Elena, POPA Cezar Dumitru, Salonul Internațional de Invenții și Inovații ,,TRAIAN VUIA", 13 Octombrie 2020, Timișoara	5	5,00
35.	Medalia de argint - Automatic ice remover device for aerial power lines, CENUȘĂ Mihai, POIENAR Mihaela, MILICI Laurențiu Dan, GRAUR Adrian, UNGUREANU Constantin, **ATĂNĂSOAE Pavel**, BOBRIC Crenguța Elena, POPA Cezar Dumitru, Salonul internațional de inventică Euroinvent, 23 Mai 2020, Iași	5	5,00
36.	Medalia de aur - Flood protection system in buildings, CENUȘĂ Mihai, MILICI Laurenţiu Dan, POIENAR Mihaela, TOADER Eusebiu Vasile, ATĂNĂSOAE Pavel, POPA Cezar Dumitru, PIANÎH Alexei, SABADAȘ Anna, Salonul Internațional de Inventică Euroinvent, 18 Mai 2019, Iași	5	5,00
37.	Medalia de aur - System and method for measuring and connecting single-phase electric energy consumers, CENUȘĂ Mihai, MILICI Laurențiu-Dan, ROMANESCU Adrian, ȚANȚA Ovidiu, NIȚAN Ilie, POIENAR Mihaela, **ATĂNĂSOAE Pavel**, PRODAN Cristina, AFANASOV Ciprian, VLAD Valentin, Salonul Internațional de Inventică Euroinvent, 18 Mai 2019, Iași	5	5,00
38.	Medalia de aur - System and method for measuring and connecting single-phase electric energy consumers, CENUȘĂ Mihai, MILICI Laurențiu-Dan, ROMANESCU Adrian, ȚANȚA Ovidiu, NIȚAN Ilie, POIENAR Mihaela, **ATĂNĂSOAE Pavel**, PRODAN Cristina, AFANASOV Ciprian, VLAD Valentin, Salonul Internațional al Cercetării Științifice, Inovării și Inventicii Pro Invent, 20-22 Martie 2019, Cluj-Napoca	5	5,00
	3.7.4. Membru în asociaţii profesionale de prestigiu, naţionale şi internaţionale		

1.	Societatea Auditorilor și Managerilor Energetici din România (SAMER) - membru din anul 2023	2	2,00
2.	Comitetul National Roman CIGRE - membru din anul 2016	2	2,00
3.	Ordinul Auditorilor Energetici din Romania (OAER) - membru din anul 2015	2	2,00
4.	Asociatia Auditorilor Energetici pentru Cladiri din Romania (AAECR) - membru din anul 2010	2	2,00
		TOTAL A3	**4449,65**

TOTAL PUNCTAJ: 5616,29 puncte

Data,
Martie 2026

Întocmit,
Conf.dr.ing. Pavel ATĂNĂSOAE