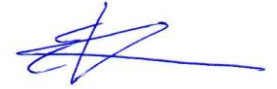


AVIZAT,

Director CSUD,

Prof. dr. ing. Eugen Victor Cristian RUSU



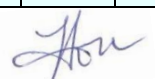
FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE
în vederea obținerii **atestatului de abilitare**

Domeniul de abilitare solicitat: Științe inginerești / Inginerie mecanică

Doctor în științe în domeniul: Științe inginerești

Standardele minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, a calității de conducător de doctorat și a atestatului de abilitare conform Ordinului ministrului Educației Naționale și Cercetării Științifice nr. 6.129/20.12.2016 (Anexa nr. 17 – Comisia inginerie mecanică, mecatronică și robotică)

Nr.	Domeniul activităților	Rezultatele activităților	Subcategoriile		Indicatori	Punctaj		
						Minim	Realizat	
1.	Activitatea didactică și profesională DID (A1)	Manuale suport de curs	A1.1	Format tipărit/electronic (min. 100 pag.) [1]	Coordonator /prim autor	N1.1 = număr	1	1
					Co-autor	N1.2 = număr	-	1
						$N1 = N1.1 + N1.2$	2	2
				Format electronic disponibil pe platforma universității (autor)		N1.3 = număr	1	5
		Material didactic/ Dezvoltare laboratoare, aplicații	A1.2	Standuri laborator (construcție/modernizări) certificate de directorul de departament		N2.1 = număr	2	4
				Îndrumar de laborator/carte aplicații format tipărit sau electronic (autor, co-autor)		N2.2 = număr	-	4
Aplicație informatică educațională				N2.3 = număr	-	4		
				$N2 = N2.1 + N2.2 + N2.3$	4	12		
2.	Activitate de cercetare științifică dezvoltare tehnologică și inovare CDI (A2)	Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) [2], unde n = nr. de autori și FI este factorul de impact [3]	A2.1	Autor corespondent/prim autor	$n \leq 3$	$P1.1 = 2 \cdot (0,2 + FI)$	-	16,554
					$n \geq 4$	$P1.2 = 2 \cdot 3 \cdot (0,2 + FI)/n$	-	17,601
				Co-autor	$n \leq 3$	$P1.3 = 0,2 + FI$	-	2,699
					$n \geq 4$	$P1.4 = 3 \cdot (0,2 + FI)/n$	-	12,384
						$P1 = P1.1 + P1.2 + P1.3 + P1.4$	6	49,238
		Articole și publicații științifice BDI [4] neincluse la A2.1	A2.2	Autor corespondent/prim autor		N3.1 = număr	5	6
				Co-autor		N3.2 = număr	-	13
						$N3 = N3.1 + N3.2$	10	19
		Brevete de invenții indexate [5]	A2.3	Internaționale indexate în Web of Science – Derwent Innovation		P2.1 = același calcul cu A2.1 și FI = 2	-	-
				Naționale indexate OSIM		P2.2 = același calcul cu A2.1 și FI = 0,5	-	-
			A2.1 + A2.3		$P2 = P2.1 + P2.2 + P1$	10	38,633	
Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare)	A2.4	Coordonator/prim autor		N4.1 = număr	-	-		
		Co-autor		N4.2 = număr	-	1		



		Monografii/cărți de specialitate [1], format tipărit/electronic (min. 100 pag.)	A2.5	Coordonator/prim autor	N4.3 = număr	1	1
				Co-autor	N4.4 = număr	-	4
			A2.4+A2.5		N4=N4.1+N4.2+N4.3+N4.4	2	6
3	Recunoașterea și impactul activității RIA (A3)	Atragere resurse financiare prin granturi/proiecte/contracte terți	A3.1	Director sau responsabil partener la grant/proiect câștigat prin competiție națională sau internațională	S1 [6] = Suma echivalentă în mii euro [8]	-	168
				Membre în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți	S2 [7] = Suma echivalentă în mii euro [8]	-	208,5
					S1 + S2	50	376,5
			A3.2	Congrese/conferințe/workshopuri internaționale, profesor invitat la universități/institute din străinătate	N5	10	35
		Citări în publicații BDI [4] (se exclud autocitările)	A3.3	C1 = numărul de citări S _{FI} = suma factorilor de impact al publicațiilor WOS în care apar citările	C=C1+S _{FI}	25	575,868

[1] Publicația este înregistrată în fondul de carte al bibliotecii naționale sau al bibliotecilor universităților respective

[2] Se exclud publicațiile conferințelor DAAAM și WSEAS

[3] FI este factorul de impact al revistei la data înscrierii la concurs sau la data publicării articolului (cel mai avantajos pentru candidat). Se iau în considerare la această categorie numai revistele cu factor de impact la data publicării articolului. O revistă WOS este echivalentă cu o revistă cotate ISI cf. ordinului de Ministru (MECTS) Nr. 4478 din 23 iunie 2011, publicat în Monitorul Oficial, Partea 1, nr. 448/27.VI.2011.

[4] Bazele de date BDI acceptate sunt: Web of Science Thomson Reuters (WOS) și SCOPUS

[5] Un brevet se poate încadra la o singură categorie.

[6] Suma din grant/proiect încasată de instituție repartizată echipei din care directorul de grant/responsabil partener face parte (S1 include cheltuieli de: personal, logistică, deplasări, indirecte).

[7] Suma din grant/proiecte câștigate prin concurs național/internațional și proiecte/contracte terți încasată de instituție și repartizată de director/responsabil persoanei respective (S2 include cheltuieli de: personal, logistică, deplasări, indirecte).

[8] Pentru contractele derulate înainte de 01.01.1999 se va considera echivalarea: 1 EURO = 1 \$ USA

Indica-tori	Domeniul de activitate	Punctaj realizat	
		Parțial	Total
ACTIVITATEA DIDACTICĂ ȘI PROFESIONALĂ - DID (A1)			
Manuale suport de curs A1.1			
N1.1	Coordonator/Prim autor - Format tipărit/electronic (min. 100 pag.) Dovezi dosar de abilitare A1.1.pdf		
	Ion V. I., <i>Protecția mediului în energetică</i> , Editura ARIONDA, Galați, 2000 (ISBN 973-99515-6-2) (Format tipărit-250 pagini) https://opac.lib.ugal.ro/cgi-bin/koha/opac-detail.pl?biblionumber=36601	1	1
N1.2	Co-autor - Format tipărit/electronic (min. 100 pag.)		
	Popescu F., Mahu R., Ion V. I., <i>Metode numerice de rezolvare a ecuațiilor dinamicii fluidelor reale- Concepte</i> , Galati University Press, 2021. ISBN 978-606-696-210-0 (Format electronic-171 pagini) https://opac.lib.ugal.ro/cgi-bin/koha/opac-detail.pl?biblionumber=52484	1	1
N1.3	Format electronic disponibil pe platforma departamentului (autor)		
	Manual suport de curs în format electronic Ion V. Ion, <i>Combaterea poluării în CET</i> http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1	5
	Manual suport de curs în format electronic Ion V. Ion, <i>Tehnologii de conservare a energiei</i> http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1	
	Manual suport de curs în format electronic Ion V. Ion, <i>Instalații de ardere</i> http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm https://opac.lib.ugal.ro/cgi-bin/koha/opac-detail.pl?biblionumber=15584&query_desc=au%2Cwrdl%3A%20ion%2C%20ion	1	
	Manual suport de curs în format electronic Ion V. Ion, <i>Procesarea deșeurilor</i> http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1	
	Manual suport de curs în format electronic Ion V. Ion, <i>Combustibili, lubrifianți, materiale speciale pentru autovehicule</i> http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1	
Material didactic/Dezvoltare laboratoare, aplicații - A1.2			
N2.1	Standuri laborator (construcție/modernizări) certificate de directorul de departament		
	Stand cu panouri fotovoltaice Dovezi dosar de abilitare A1.2.pdf	1	4
	Stand cu colectoare solare Dovezi dosar de abilitare A1.2.pdf	1	
	Stand cu turbină eoliană 100kW Dovezi dosar de abilitare A1.2.pdf	1	
Stand pentru studiul arderii Dovezi dosar de abilitare A1.2.pdf	1		
N2.2	Îndrumar laborator/carte aplicații format tipărit sau electronic (autor, co-autor)		
	Ion V. Ion, <i>Energii regenerabile. Aplicații</i> http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1	4
	Ion V. Ion, <i>Combustibili, lubrifianți, materiale speciale și de întreținere. Îndrumar de laborator</i> http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1	
	Ion V. Ion, <i>Instalații de ardere. Aplicații</i> http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1	
Ion V. Ion, <i>Combaterea poluării în CET. Aplicații</i> http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1		
N2.3	Aplicație informatică educațională		

	Estimarea compoziției gazului de gazogen http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1	4
	Estimarea compoziției gazului de piroliză http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1	
	Controlul arderii. Diagrama Ostwald http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1	
	Calculul temperaturii adiabactice de ardere http://www.stim.ugal.ro/Items/staff/Ion_Ion/index.htm	1	
ACTIVITATEA DE CERCETARE ȘTIINȚIFICĂ, DEZVOLTARE TEHNOLOGICĂ ȘI INOVARE – CDI (A2)			
Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) - A2.1			
	Prim autor n ≤ 3		
P1.1	Ion V.I. , Popescu F., Rolea G.G., <i>A biomass pyrolysis model for CFD application</i> , Journal of Thermal Analysis and Calorimetry, March 2013, Volume 111, Issue 3, pp. 1811-1815. http://link.springer.com/article/10.1007/s10973-012-2552-7 FI= 4,626	9,652	16,554
	Ion I.V. , Ene, A., <i>Evaluation of Greenhouse Gas Emissions from Reservoirs: A Review</i> . Sustainability 2021, 13, 11621. https://www.mdpi.com/2071-1050/13/21/11621 FI=3,251	6,902	
	Prim autor n ≥ 4		
P1.2	Ion, I.V. , Popescu, F., Mahu, R., Rusu, E., <i>A Numerical Model of Biomass Combustion Physical and Chemical Processes</i> , Energies 2021, 14, 1978. https://doi.org/10.3390/en14071978 FI=3,004	4,806	17,601
	Ion V.I. , Dimofte E., Popescu F., Akhmetova I.G., <i>Investigation of flame acoustic excitation of a gas burner</i> , Energy Reports, Volume 8, Supplement 3, 2022, pp. 263-269 https://www.sciencedirect.com/science/article/pii/S2352484722000750 FI=6,87	10,605	
	Ion V.I. , Portinha Anibal, Martins Jorge, Teixeira Vasco, Carneiro Joaquim, <i>Analysis of the energetic/environmental performances of gas turbine plant - effect of thermal barrier coatings and mass of cooling air</i> , Thermal Science Journal, Vol. 13 (2009), No. 1, pp. 147-164. ISSN 0354-9836 UDC 621 http://thermalscience.vinca.rs/pdfs/2009-1/14-ion.pdf FI=1,625	2,190	
	Co-autor n ≤ 3		
P1.3	Paraschiv S., Ion V.I. , Paraschiv L.S., <i>Thermodynamic performance for the solar collector of a micro-combined cooling, heating and power system</i> , Environmental Engineering and Management Journal, September 2011, Vol. 10, No. 9, pp. 1311-1318. ISSN: 1582-9596 http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol10/no9/19_377_Paraschiv_11.pdf FI=0,916	1,116	2,699
	Martins J.G., Ribeiro B.S., Ion V.I. , <i>Thermodynamic analysis of spark ignition engines using entropy generation minimisation method</i> , International Journal of Exergy, Vol. 6, No. 1, 2009, pp. 93-110. http://www.inderscience.com/info/inarticle.php?artid=23347 FI= 1,383	1,583	
	Co-autor n ≥ 4		
P1.4	Fratita M., Popescu F., Martins J., Brito F.P., Costa T., Ion V.I. , <i>Water injection in spark ignition engines—Impact on engine cycle</i> , Energy Reports, Volume 7, Supplement 5, 2021, Pages 374-379, ISSN 2352-4847, https://doi.org/10.1016/j.egy.2021.07.113 . https://www.sciencedirect.com/science/article/pii/S235248472100576X FI=6,87	3,535	12,384
	Călin C., Ion V.I. , Rusu E., Frățița M., <i>Performance analysis of a RDF gasification and solar thermal energy based CCHP system</i> , Energy Reports, Volume 7, Supplement 3, 2021, pp. 186-192 https://www.sciencedirect.com/science/article/pii/S2352484721003991 FI=6,87	5,302	

	Paraschiv S.L., Paraschiv S., Ion V.I. , Vatachi N., <i>Techno-economic Analysis of the Emissions Reduction Technologies in the Thermal Power Plants in Romania</i> , Journal of Environmental Protection and Ecology (JEPE), Vol.14, No 2 (2013), pp. 770-780. https://docs.google.com/a/jepe-journal.info/viewer?a=v&pid=sites&srcid=amVwZS1qb3VybmFsLmluZm98amVwZS1qb3VybmFsGd4OjZkYzNmZWYzYTFmZWE1OGI FI=0,692	0,669	
	Coman G., Carp G.B., Ion V.I. , Ceoromila A., Baroiu N., <i>Composite Materials Based on Autoclaved Aerated Concrete Waste and Unsaturated Polyester Resin</i> , Materiale Plastice (Mater. Plast.), Year 2019, Volume 56, Issue 1 https://revmaterialeplastice.ro/RCPlastice.asp?sYear=2019 FI = 0,593	0,475	
	Popescu, F.; Mahu, R.; Ion, I.V. ; Rusu, E. <i>A Mathematical Model of Biomass Combustion Physical and Chemical Processes</i> , Energies 2020, 13, 6232. https://www.mdpi.com/1996-1073/13/23/6232 FI=3,004	2,403	
Articole și publicații științifice BDI neincluse la A2.1 - A2.2			
	Prim autor și Autor corespondent		
	Ion V.I. , Balan M., Paraschiv S., Paraschiv L. S., <i>Optimal size of the auxiliary heating boiler in a trigeneration system</i> , 39th International Symposium Actual Tasks on Agricultural Engineering Symposium Programme, Opatija, 22nd-25th February 2011. ISSN 1333-2651. http://atae.agr.hr/39th_ATAE_proceedings.pdf	1	
	Ion V.I. , Ciocea Gh., Popescu F., <i>Energy Saving and GHG Emission Reduction in a Micro-CCHP System by use of Solar Energy</i> , Environmental and Climate Technologies, vol. 10, (2012), pp. 16-20. https://sciendo.com/article/10.2478/v10145-012-0020-z	1	
	Ion V.I. , Popa D., Ciurea A., Bordei M., <i>The Experimental Study on the Combustion Performance for an Oil Injector Using Ultrasonic Gas Atomization</i> , Metalurgia International, vol. XV (2010), no. 12, pp. 41-47. ISSN 1582-2214 https://www.webofscience.com/wos/woscc/full-record/WOS:000283334500008 FI=0,134	1	
N3.1	Ion V.I. , Paraschiv S.L., Paraschiv S., <i>Greenhouse gas emission assessments of a micro-combined cooling, heating and power system for domestic residence</i> , ModTech International Conference - New face of TMCR, MODTECH 2011, 25-27 May 2011, Vadul lui Vodă-Chisinau, Republic of Moldova, pp. 525-528 https://www.webofscience.com/wos/woscc/full-record/WOS:000392260500132	1	6
	Autor corespondent Carp B.G., Mocanu G., Ion V.I. , Popescu F., <i>Energy from municipal solid wastes: Galati city case study</i> , S Web of Conferences 207, 0 (2020) https://www.e3s-conferences.org/articles/e3sconf/abs/2020/67/e3sconf_fpepm2020_02001/e3sconf_fpepm2020_02001.html	1	
	Autor corespondent Mocanu G., Ion V.I. , Popescu F., <i>Energy Performance of a Kalina Cycle based CHP plant driven by low-enthalpy geothermal sources</i> , E3S Web of Conferences 207, 0 (2020) https://www.e3s-conferences.org/articles/e3sconf/abs/2020/67/e3sconf_fpepm2020_01015/e3sconf_fpepm2020_01015.html	1	
	Co-autor		
N3.2	Frățița M., Uzuneanu K., Popescu F., Ion V.I. , <i>The analysis of the thermal barrier coating using Ansys software</i> , IOP Conference Series: Materials Science and Engineering, 997(1),012143 https://iopscience.iop.org/article/10.1088/1757-899X/997/1/012143	1	
	Chichirova N.D., Akhmetova I.G., Lapin K. V., Gilmanova A.R., Ion V.I. , <i>Improving of the heat supply energy efficiency in Russian cities through the individual heat points introduction</i> , E3S Web Conf., 124 (2019) 04009 https://www.e3s-conferences.org/articles/e3sconf/abs/2019/50/e3sconf_ses18_04009/e3sconf_ses18_04009.html	1	13

	Popa D., Ion V.I. , Balan G., Ciurea A., Bordei M., <i>Technique to Measure the Droplet Size Distribution in Sprays of Gas-ultrasonic Atomizer</i> , Metalurgia International, Vol. XVI, no. 1-2011, pp. 69-73. ISSN 1582-2214 https://www.webofscience.com/wos/woscc/full-record/WOS:000286450700013 FI=0,134	1	
	Popa V., Ion V.I. , Popa C.L., <i>Thermo-Economic Analysis of an Air-to-Water Heat Pump</i> , Energy Procedia, Vol. 85, January 2016, pp. 408-415. http://www.sciencedirect.com/science/article/pii/S1876610215028866	1	
	Bălan M., Damian M., Jantschi L., Ion V.I. , <i>Study concerning the influence of some working conditions, on the heat pumps performances</i> , Proceedings of the 36th International Symposium "Actual Tasks on Agricultural Engineering" Opatija, Croatia, 11 - 15 February 2008, pp. 535-544, ISSN 1333-2651. http://atae.agr.hr/36th_ATAE_proceedings.pdf	1	
	Mahu R., Ion V.I. , Popescu F., <i>Testing of improved boiler for biomass briquettes</i> , Proceedings of the 41 International Symposium on Agricultural Engine - Actual Tasks on Agricultural Engineering, 25 th – 28 th February 2013, Opatija, Croatia, pp. 336-342. http://atae.agr.hr/Zbornik_2013.pdf	1	
	Paraschiv S.L., Paraschiv S., Ion V.I. , <i>Mathematical modelling of sawdust drying process for biomass pelleting</i> , Energy Procedia, Vol. 141, December 2017, pp. 150-154. https://www.sciencedirect.com/science/article/pii/S1876610217354346	1	
	Paraschiv S.L., Paraschiv S., Ion V.I. , <i>Increasing the energy efficiency of buildings by thermal insulation</i> , Energy Procedia, Vol. 128, September 2017, pp. 393-399. https://www.sciencedirect.com/science/article/pii/S1876610217338882	1	
	Popescu F., Mahu R.A., Antonescu N.A., Ion V.I. , <i>CFD prediction of combustion in a swirl combustor</i> , IOP Conf. Series: Materials Science and Engineering 444(2018) 082009 doi:10.1088/1757-899X/444/8/082009 https://iopscience.iop.org/article/10.1088/1757-899X/444/8/082009/pdf	1	
	Paraschiv LS, Paraschiv S, Ion V.I. , <i>Investigation of wind power density distribution using Rayleigh probability density function</i> , Energy Procedia 157, 1546-1552 https://www.sciencedirect.com/science/article/pii/S1876610218312931	1	
	Frățița M., F Popescu, K Uzunescu, Ion V.I. , C M Anghelută, <i>About Structural and Thermal Analysis of Diesel Engine Piston Using Ansys Software</i> , IOP Conf. Series: Materials Science and Engineering, 2019, 595 012041 https://iopscience.iop.org/issue/1757-899X/595/1	1	
	Frățița M., F Popescu, K Uzunescu, V. Mereuță, Ion V.I. , <i>Fatigue analysis of the connecting rod in internal combustion engines</i> , IOP Conf. Series: Materials Science and Engineering 485 (2019) 012008 IOP Publishing doi:10.1088/1757-899X/485/1/012008 https://iopscience.iop.org/article/10.1088/1757-899X/485/1/012008/pdf	1	
	Ioniță C.I., Ion V.I. , <i>Cost-to quality optimization of refrigeration</i> , Low-Temperature and Cryogenic Refrigeration, NATO Science Series, II. Mathematics, Physics and Chemistry-Vol. 99, 2003, ISBN 140201273X, Kluwer Academic Publishers. http://www.springer.com/physics/classical+continuum+physics/book/978-1-4020-1273-0	1	
Produse, tehnologii, platforme și servicii inovative A2.4			
N4.2	Diploma de bronz la "INFOINVENT" - Expoziția Internațională Specializată, 17-20 noiembrie 2021, Moldova, pentru „Crearea unui sistem de monitorizare transfrontalieră inovatoare a transformărilor ecosistemelor râurilor din bazinul Mării Negre sub impactul dezvoltării hidroenergeticii și al schimbării climei / Creating a system of innovative transboundary monitoring of the Black Sea river ecosystems transformation under impacts of hydropower development and climate change”, Echipa de proiect (eMS BSB165 – HydroEcoNex): Zubcov Elena, Trombițki Iliia, Ene Antoaneta, Kovalyshyna Svitlana, Matygin Alexander, Andreev Nadejda, Toderaș Ion, Bilețchi Lucia, Ungureanu Laurenția, Șubernetkii Igor, Zubcov Natalia, Lebedenco Liubovi, Munjiu Oxana, Jurminskaia Olga, Bagrin Nina, Ciorna Victor, Tumanova Daria, Bulat Dumitru, Bulat Denis, Corobov Roman, Cazanțeva Olga, Sirodoev Ghennadi, Siniaeva Tatiana, Moșu Alexandru, Zamfir Natalia, Bahrim Gabriela Elena, Ion V. Ion , Denga Yuriy, Chuzhekova Tetyana, Nabokin Mykhailo, Onishchenko Eduard. https://infoinvent.md/virtual-stands/	1	1
Monografii/cărți de specialitate, format tipărit/electronic (min. 100 pag.) A2.5			

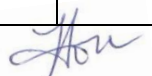
	Coordonator/prim autor Dovezi dosar de abilitare A2.5.pdf		
N4.3	Ion V. I. , <i>Energie din surse regenerabile</i> , Editura Fundației Universitare "Dunărea de Jos", Galați, 2017, ISBN 978-973-627-595-1 (254 pagini) https://opac.lib.ugal.ro/cgi-bin/koha/opac-detail.pl?biblionumber=52486&query_desc=kw%2Cwordl%3A%20Energie%20din%20surse%20regenerabile	1	1
	Co-autor		
	Ion V.I. , Negoită D.L., <i>Waste minimisation and recycling</i> , in <i>Waste Recovery. Strategies, Techniques and applications in Europe</i> , Editors: Luciano Morselli, Fabrizio Passarini, Ivano Vassura, FrancoAngeli s.r.l, Milano, Italy, 2009, pag. 188-201. ISBN 9788856810400 http://www.francoangeli.it/Area_PDFDemo/1810.1.39_demo.pdf https://www.francoangeli.it/Ricerca/scheda_libro.aspx?Id=17626 https://cris.unibo.it/handle/11585/79171 247 pagini	1	
N4.4	Badea N., Ion V.I. , Cazacu N., Paraschiv L., Paraschiv S., <i>Renewable Energy Sources for the mCCHP-SE-RES Systems</i> , pp. 91-131, in Badea N. (Ed.). <i>Design for Micro-Combined Cooling, Heating & Power Systems. Stirling Engines and Renewable Power Systems</i> , Springer, 2014. ISBN 978-1-4471-6253-7 https://link.springer.com/book/10.1007/978-1-4471-6254-4 https://opac.lib.ugal.ro/cgi-bin/koha/opac-detail.pl?biblionumber=3246&query_desc=au%2Cwordl%3A%20ion%2C%20ion 337 pagini	1	4
	Ribickis L., Ion V. I. , et al., <i>Energy Saving Technologies</i> , Riga Technical University, Printing House, Riga, RTU Press, 2015, ISBN 978-9934-10-605-7 http://alephfiles.rtu.lv/TUA01/000050387_s.pdf https://opac.lib.ugal.ro/cgi-bin/koha/opac-detail.pl?biblionumber=52480 238 pagini	1	
	Belpaeme M., Garkusha K., Ion V.I. , et al. <i>Heat pumps</i> , BSATU, Minsk, 2015. ISBN 978-985-519-712-7 100 pagini https://opac.lib.ugal.ro/cgi-bin/koha/opac-detail.pl?biblionumber=52482&query_desc=kw%2Cwordl%3A%20Heat%20pumps	1	
RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII – RIA (A3)			
Atragere resurse financiare prin granturi/proiecte/contracte terți A3.1			
	Director sau responsabil partener la grant/proiect câștigat prin competiție națională		
	Grant PN II, D21-015/14.09.2007, <i>Contribuția României la țintele europene privind dezvoltarea surselor regenerabile de energie-PROMES</i> , Coordonator ICI București, Suma totală 1917740 lei; Suma încasată UDJG 68550 lei, Responsabil partener: Ion V. Ion Dovezi dosar de abilitare A3.1.pdf	13,71	
S1	Tempus project 530379-TEMPUS-1-2012-1-LV-TEMPUS-JP, <i>Development of Training Network for Improving Education in Energy Efficiency</i> (Acronym: Energy), Suma totală: 1440049 Euro / Suma încasată: 58976 Euro partea UDJG, Responsabil partener: Ion V. Ion http://www.energy.rtu.lv/ Dovezi dosar de abilitare A3.1.pdf	58,97	168
	Leonardo Project RO/2005/PL95183/S, <i>European Engineers in Renewable Energy</i> , Suma încasată: 28200 EURO, Director: Ion V. Ion http://www.stim.ugal.ro/Items/Projects/Leonardo-02/IEER.html Dovezi dosar de abilitare A3.1.pdf	28,2	
	Leonardo Project LLP-LdV/PLM/2009/RO/013, <i>Engineering training for sustainable development</i> , Suma încasată: 67140 EURO, Director Ion V. Ion http://www.stim.ugal.ro/Items/Projects/Leonardo-03/IEER.html Dovezi dosar de abilitare A3.1.pdf	67,14	
S2	Membru în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți		

Proiect “Învățământ terțiar inovativ corelat cu strategia de dezvoltare inteligentă”, Cod proiect: POCU/320/6/21/121659; Suma repartizată de director Prof.dr.ing. Daniela Buruiană= 434773 lei Dovezi dosar de abilitare A3.1.pdf	86,9	208,5
EEAGRANTS RO-0054- <i>Integrated micro CCHP – Stirling Engine based on renewable energy sources for the isolated residential consumers from South-East region of Romania (m-CCHP-SE)</i> Suma repartizată de director Prof.dr.ing. Nicolae Badea: 24200 Euro Dovezi dosar de abilitare A3.1.pdf	24,2	
Contract nr. 169CP1/29.08.2008 – <i>Laborator de modelare numerică în mecanică fluidelor-CFDLAB</i> Suma repartizată de director Prof.dr.ing. Florin Popescu: 8000 Euro Dovezi dosar de abilitare A3.1.pdf	8	
Proiecte POSDRU: <i>Sistem de management al burselor doctorale - SIMBAD (ID 6853); Eficientizarea activității studenților din cadrul ciclului de studii doctorale - EFICIENT (ID 61445); Calitatea și continuitatea formării în cadrul ciclului de studii doctorale - TOP ACADEMIC (ID76822)</i> Suma repartizată de director Prof.dr.ing. Lucian Puiu Georgescu: 10769 Euro Dovezi dosar de abilitare A3.1.pdf	10,7	
Proiect nr. ID 1815, Cod SMIS-CSNR 48745, Contract nr. 622/11.03.2014 <i>Centrul român pentru modelarea sistemelor recirculante de acvacultură</i> Suma repartizată de director Prof.dr.ing. Petru Alexe: 30769 Euro Dovezi dosar de abilitare A3.1.pdf	30,7	
Contract Nr. 3151/08.02.2017, „ <i>DA-SPACE – Open Innovation to raise entrepreneurship skills and private partnership in Danube Region</i> ”, Suma repartizată de director Prof.dr.ing. Florin Popescu: 16460 Euro Dovezi dosar de abilitare A3.1.pdf	16,4	
“ <i>Creating a system of innovative transboundary monitoring of the Black Sea river ecosystems transformation under impacts of hydropower development and climate change</i> ” HydroEcoNex (cod BSB165) Contract 105067/14.09.2018 Suma repartizată de director Prof.dr.habil. Antoaneta Ene: 20000 Euro Dovezi dosar de abilitare A3.1.pdf	20	
Contract Nr. 749/07.03.2019, „ <i>Servicii de consultanta stiintifica privind modelarile numerice CFD</i> ”, încheiat cu S.C. ICEPRONAV S.A Suma repartizată de director Prof.dr.ing. Florin Popescu: 1538 Euro Dovezi dosar de abilitare A3.1.pdf	1,5	
Contract nr. 575/2010, <i>Cercetări privind tratarea deșeurilor solide municipale cu producere de energie</i> , HITMAN INTERNATIONAL SRL București, Valoare 42500 lei, Director Ion V. Ion	8,5	
Contract nr. 09/24.09.2012 – 604/24.10.2012, <i>Adaptare instalație de ardere tip Hamworthy-Anglia la cazanele de abur tip IP-01 50t/h</i> , S.C.Termaexim SA, Galați, Valoare 8000 lei, Director: Ion V. Ion Dovezi dosar de abilitare A3.1.pdf	1,6	
Grant PNCDI2, Nr. 2963 <i>Generator de aerosoli pentru protecția plantelor împotriva bolilor și daunătorilor conceput și realizat pe baza tehnologiilor utilizate în industria aeronautică</i> , Responsabil partener Prof.dr.ing. Tănase Panait	-	
Contract nr. 281/13.09.2006, subcontract nr. 3/04.09.2006, <i>Noi tipuri de camere de ardere policarburante cu funcționare în regim pulsatoriu</i> . Program CEEEX 2006-2008 Responsabil partener Prof.dr.ing. Tănase Panait	-	
Contract nr. 51-043 din 14.09.2007, „ <i>Instalație de generare a ceții pentru protecția plantelor contra factorilor nefavorabili ai mediului, utilizând camere de ardere pulsatorie</i> ” PULSOPROTECT Responsabil partener Prof.dr.ing. Tănase Panait	-	
Contract nr. 34976/2001, tema 19/550, <i>Cercetări experimentale privind congelarea criogenică a produselor din carne de porc și vită</i> , valoare: 42400000 lei. Director: Prof.dr.ing. Valeriu Damian	-	
Contract nr. 33445-2002, tema 12, Cod CNCSIS 479, <i>Cercetări experimentale privind congelarea criogenică a căpșunilor</i> , valoare 21000000 lei Director: Prof.dr.ing. Valeriu Damian	-	

Contract nr. 28/1998, tema nr. 23, Cod CNCSU-222 <i>Cercetări privind realizarea unui congelator criogenic cu azot lichid pentru produse din carne</i> , valoare: 16 000000 lei Director: Prof.dr.ing. Valeriu Damian	-	
Contract nr. 220 din 1997. <i>Mărirea eficienței disciplinelor tehnice și tehnologice predate în facultățile cu profil de producție energetică sau materială, prin promovarea combinată a analizelor tehnice și analizei economice</i> , valoare 36000 USD, beneficiar: CNFIS Director: Prof.dr.ing. Ion Ioniță	-	
Contract nr. 7007/1997, Tema nr. 25, Cod CNCSU 270, <i>Echipamente pentru protecția mediului acvatic</i> Director: Prof.dr.ing. Ion Ioniță	-	
Contract Nr. 321B/1996 act ad. 840/1998 A9- <i>Program de recuperare a resurselor energetice reziduale (secundare)</i> . Beneficiar: Ministerul Cercetării și Tehnologiei Director: Prof.dr.ing. Ion Ioniță	-	

Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat A3.2

Congrese/conferințe/workshopuri internaționale, profesor invitat la universități/institute din străinătate Dovezi dosar de abilitare A3.2.pdf			
N5	Profesor invitat la Universidade do Minho, Portugalia 2003	1	35
	Profesor invitat la University of Stavanger, Norvegia, 2010	1	
	Profesor invitat la Universidade Nova de Lisboa, Portugalia, 2001, 2010	1+1	
	Profesor invitat la Riga Technical University, Letonia, 2012	1	
	Profesor invitat la University of Food Technologies (UFT) in Plovdiv, Bulgaria, 2016; 2018	1+1	
	Participare la International workshop "Tools for solid biofuel trade-European standards and international database of fuel properties", 27th November 2008, Institutul Național Român pentru Studiul Amenajării și Folosirii Surselor de Energie –IRE, Bucuresti	1	
	Participare la the 5th International Conference on Biomass for Energy, 22-23 September 2009, Kiev, Ukraine	1	
	Participare la Riga Technical University 53rd International Scientific Conference dedicated to the 150th Anniversary and The 1st Congress of World Engineers and Riga Polytechnical Institute/RTU Alumni	1	
	Participare la Ruse University "Angel Kanchev "ANNUAL CONFERENCE 2013, Bulgaria	1	
	Participare la Ruse University "Angel Kanchev "ANNUAL CONFERENCE 2015, Bulgaria	1	
	Participare la 39th International Symposium "Actual Tasks on Agricultural Engineering", 22nd – 25th February 2011, Opatija, Croatia	1	
	Participare la First International Conference Danube - Black Sea 3E - Energy, Environment & Efficiency, 18-21 September 2013, Galati, Romania	1	
	Participare la 4th International Conference on Thermal Equipment, Renewable Energy and Rural Development-TE-RE-RD 2014, 12-14 June, Mamaia, Romania	1	
	Participare la 5th International Conference on Thermal Equipment, Renewable Energy and Rural Development-TE-RE-RD 2015, 4-6 June, Vidraru, Romania	1	
	Participare la 6th International Conference on Thermal Equipment, Renewable Energy and Rural Development-TE-RE-RD 2016, 2-4 June, Golden Sand, Bulgaria	1	
	Participare la 7th International Conference on Thermal Equipment, Renewable Energy and Rural Development-TE-RE-RD 2017, Moieciu de Sus, 8-10 June, 2017, Romania	1	
	Participare la 8th International Conference on Thermal Equipment, Renewable Energy and Rural Development-TE-RE-RD 2018, 31 May - 2 June, Drobeta Turnu Severin, Romania	1	
	Participare la 9th International Conference on Thermal Equipment, Renewable Energy and Rural Development-TE-RE-RD 2019, 6-8 June 2019, Târgoviște, Romania	1	
	Participare la 63rd Scientific Conference with international participation "Food Science, Engineering and Technology – 2016, 21 – 22 October 2016, Plovdiv, Bulgaria	1	
	Participare la HIDROECONEX International Confernce „Hidropower Impact on River Ecosistem Functioning”, 8-9 October, 2019, Tiraspol, Republic of Moldova	1	
Participare la 1st International Scientific Conference „Alternative Energy Sources, Materials and technologies” AESMT, 14-15 May 2018, Plovdiv, Bulgaria	1		
Participare la The 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry 28-31 August 2017 – Chișinău, Moldova	1		



Participare la The 6th International Conference on Advances on Clean Energy Research, ICACER 2021, April 15-17, 2021, Barcelona, Spain	1	
Participare la The 8th International Conference on Energy and Environment Research, September 13-17, 2021 (ICEER 2021)	1	
Participare la The Power Engineering and Power Machines Conference (PEPM'2021), Sep 18-21, 2021, Sozopol, Bulgaria	1	
Participare la The Power Engineering and Power Machines Conference (PEPM'2020), 19-21 September 2020, Sozopol, Bulgaria	1	
Participare la 8th International Conference on Advanced Concepts in Mechanical Engineering - ACME 2018, organized by Mechanical Engineering Faculty, in the "Gheorghe Asachi" Technical University of Iasi, Romania, June 07 - 08, 2018.	1	
Participare la <i>Wind energy workshop</i> , 2014; Katholic University of Leuven, Faculty of Engineering Technology, Kulab, Belgia	1	
Participare la <i>Hydrogen Energy workshop</i> , 2015, Koszalin University of Technology, Polania	1	
Participare la <i>NATO Advanced Study Institute on Low-Temperature and Cryogenic Refrigeration – Fundamentals and Applications</i> , 23 June-05 July 2002, Altin Yunus-Çeşme, İzmir-Türkiye/Turcia	1	
Participare la <i>International Summer School on: "Energy Conversion, Conservation and Environmental Impact"</i> , July 2000, Black Sea Universities network, "Ovidius" University Constanța, Romania.	1	
Participare la <i>Training Mentors workshop</i> , 16-17 October, 2018, Technical University of Sofia, Bulgaria	1	
Participare la workshopul <i>International Demo Day</i> , 14 May 2019, Hochschule für Gestaltung Ulm, Germania	1	

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Li, L.L., Fu, X.B., Wang, X.N., Tian, Y.Y., Qin, S., <i>Pyrolytic characteristics and kinetic studies of agricultural wastes-Four kinds of grasses</i> , Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 38 (8), pp. 1156-1162 https://www.scopus.com/record/display.uri?eid=2-s2.0-84964678917&origin=resultslist&sort=plf-f&cite=2-s2.0-84880700759&src=s&imp=t&sid=1485B7A5C1DE4AB5C9463B932EE5C0D1.wsnAw8kcdt7IPYLO0V48gA%3a350&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=0&searchTerm=	1	
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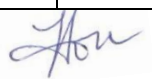
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