

**Tabel conținând îndeplinirea standardelor minime pentru ocuparea postului de conferențiar**  
**Comisia Inginerie Mecanică, Mecatronică și Robotică**

**Indicatori de evaluare pentru standarde minime - domeniul Inginerie Mecanică, Mecatronică și Robotică**

Conditii minimale si obligatorii						
Nr.crt	Domeniu activitatilor		Indicatori	Conferentiar	Profesor	Realizat
1	Activitatea didactica si profesionala (A1)	A1.1	N1	2	2	7,000
			N1.1	0	1	1,000
			N1.3	1	1	5,000
		A1.2	N2	3	4	8,000
			N2.1	1	2	7,000
2	Activitatea de cercetare (A2)	A2.1+A2.3	P1+P2	5	10	5,718
			P1	3	6	3,798
		A2.2.	N3	8	10	12,000
			N3.1	3	5	8,000
		A2.4 +A2.5	N4	1	2	2,000
			N4.3	0	1	0,000
3	Recunoasterea impactului activitatii (A3)	A3.1	S1+S2	10	50	65,173
		A3.2	N5	5	10	12,000
		A3.3	C	10	25	116,736

**Avizat**  
**Director de Departament Design de Prods, Mecatronică și Mediu**  
**Prof.dr.ing. Luciana CRISTEA**

Ș.I.dr.ing. Daniela CIOBANU  
 Departamentul Design de Prods, Mecatronică și Mediu  
 Facultatea Design de Prods și Mediu  
 Universitatea Transilvania din Brașov

Tabel conținând îndeplinirea standardelor minime pentru ocuparea postului de conferențiar  
Comisia Inginerie Mecanică, Mechatronică și Robotică

Ș.I.dr.ing. Daniela CIOBANU  
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Facultatea Design de Produs și Mediu  
Universitatea Transilvania din Brașov

**2.1. DID-MSD - Manuale suport curs**

Nr.crt.	Subcategorii		Denumire		Indicatori	Indicatori candidat
1	A1.1	Format tiparit/electronic	Coordonator/prim autor	<b>Ciobanu D.</b> ,Jaliu C., Neagoe M., Săulescu R., <i>Mechanisms. Applied Theory</i> , Transilvania University of Brasov, ISBN 978-606-19-0976-6, 2018	N1.1	1,00
			Co-autor	Săulescu R., <b>Ciobanu D.</b> , Neagoe, M., Jaliu C., <i>Mecanisme-suport de curs. Elemente de teorie aplicata</i> , Ed. Universitatii Transilvania din Brasov, ISBN 978-606-19-0850-9, 2016	N1.2.	1,00
		Format electronic disponibil pe platforma universitatii		<i>Computer aided design</i> , Design Industrial (lb. engleza) anul III- suport de curs	N1.3.	1,00
				<i>Product design for solar energy conversion</i> , Design Industrial (lb. engleza) anul IV- suport de curs		1,00
				<i>Designul produselor de conversia a energiei solare</i> , Design Industrial anul IV -suport de curs		1,00
				<i>Mechanism</i> , Design Industrial (lb. engleza) anul II- suport de curs		1,00
				<i>Surse de energii regenerabile în agroturism</i> , Ingineria si managementul produselor alimentare anul II - suport de curs		1,00

**TOTAL**

**7,00**

**2.2. DID-LAB - Standuri/laboratoare pentru activități didactice realizate sau dezvoltate de candidat**

Nr.crt.	Subcategorii		Denumire	Indicator	Indicatori candidat
1	A1.2.	Standuri laborator certificate de directorul de departament	Stand de testare a colectoarelor solare concentratoare	N2.1	7,00
			Stand de testare a colectoarelor solare (ET202)		
			Echipament solar termic utilizat pentru răcire, L7, ICDT		
			Echipament solar termal cu captator solar de tip jgheab, L7, ICDT		
			Stand de testare outdoor, L7, ICDT		
			Simulator solar indoor, L7, ICDT		
			Stand de testare fotovoltaic portabil, L7, ICDT		
			Indrumar de laborator/carte aplicatii format tiparit sau electronic	Jaliu C., Diaconescu D., Neagoe M., <b>Ciobanu D.</b> , Săulescu R., <i>Applications of Mechanisms analysis and synthesis</i> , Ed. Universitatii Transilvania din Brasov, ISBN 973-635-155-6, 2003	N2.2
		Aplicație informatică educațională	-	N2.3.	0,00

**TOTAL**

**8,00**

## A2. Criteriul CDI - Activitate de cercetare științifică, dezvoltare tehnologică și inovare

Rezultatele activitatilor	Subcategorii		Indicatori	Punctaj obținut	Indicatorii candidat
Articole si publicatii stiintifice indexate Web of Science Thomson Reuters	A2.1	Autor corespondent/prim autor	n≤3	P1.1 =2(0,2+F1)	3,798
			n≥4	P1.2=2*3*(0,2+F1)/n	
		Co-autor	n≤3	P1.3 =0,2+F1	
			n≥4	P1.4=3*(0,2+F1)/n	
Articole si publicatii stiintifice BDI	A2.2	Autor corespondent/prim autor		N3.1	12
		Co-autor		N3.2	
Brevete de invenție indexate	A2.3	Internationale indexate in Web of Science	n≤3	P2.1 =2(0,2+2)	0,000
			n≥4	P2.1=2*3*(0,2+2)/n	
			n≤3	P2.1 =0,2+2	
			n≥4	P2.1=3*(0,2+2)/n	
		Nationale indexate OSIM	n≤3	P2.1 =2(0,2+0,5)	1,92
			n≥4	P2.1=2*3*(0,2+0,5)/n	
			n≤3	P2.1 =0,2+0,5	
			n≥4	P2.1=3*(0,2+0,5)/n	
Produse, tehnologii, platforme si servicii inovative	A2.4	Coordonator/prim autor		N4.1	2
		Co-autor		N4.2	
Monografii/carti de specialitate, format tiparit/electronic (min.100 pag)	A2.5	Coordonator/prim autor		N4.3	
		Co-autor		N4.4	

2.1. CDI-ART - Articole științifice publicate în reviste de specialitate cotate ISI, sau în reviste/volume indexate ISI sau BDI

Nr.crt.	Subcategorie	Numar autori	Indicatori	Lucrare			n	Indicatori candidat
				Denumire	Punctaj	FI		
A2.1.	Autor corespondent/prim autor	n≤3	P1.1=2*(0,2+FI)	Ciobanu D., <i>Conceptual design of a solar thermal system with dish solar collector</i> , Journal Environment Engineering and Management, August <b>2011</b> , Vol. 10, Nr.8, ISSN 1582-9596.	2,408	1,004	1	2,408
		n≥4	P1.2=3*2*(0,2+FI)/n	-				-
	Co-autor	n≤3	P1.3=0,2+FI	-				-
		n≥4	P1.4=3*(0,2+FI)/n	Vișa I., Duță A., Comșit M., Molodovan M.D., <b>Ciobanu D.</b> , Săulescu R., Burduhos B.G., <i>Design and experimental optimisation of a novel flat plate solar thermal collector with trapezoidal shape for facades integration</i> , Applied Thermal Engineering, vol.90, 432–443, 2015	1,38986	3,043	7	1,390
				Cotfas D., Cotfas P.A., <b>Ciobanu D.</b> , Machidon O. M., <i>Characterization of the Photovoltaic/Thermoelectric/Solar Collector - Hybrid System in natural sunlight conditions</i> , ASCE's Journal of Energy Engineering,vol 143, Issue 6, 2017	1,605	1,94	4	1,605
					Total	5,403		

## 2.2. CDI - ART-BDI - Articole si publicatii stiintifice BDI

Subcategorii	Denumire	Indicatori candidat	Indicator
N3.1	Ciobanu D., Jaliu C., <i>Step Tracking Program for Concentrator Solar Collector</i> , ACME The 7th International Conference on Advanced concepts on Mechanical Engineering, IOP Conference Series: Materials Science and Engineering vol 147, no. 1, 2016. <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=1&amp;doc=5">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=1&amp;doc=5</a>	1	ISI
	Ciobanu D., Vișa I., Duță A., <i>Solar thermal collectors outdoor testing in saline environment</i> , Energy Procedia, vol. 48, 707-714, 2014 <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=1&amp;doc=10">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=1&amp;doc=10</a>	1	ISI
	Ciobanu D., Eftimie E., Jaliu C., <i>The influence of measured/simulated weather data on evaluating the energy need in buildings</i> , Energy Procedia, vol 48, 796-805, 2014, <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=2&amp;doc=11">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=2&amp;doc=11</a>	1	ISI
	Ciobanu D., Jaliu C., <i>Innovative tracking system for parabolic dish solar collector</i> , The 11th IFToMM International Symposium on Science of Mechanism and Machines, Springer, 317-328, 2014. <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-84927758781&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Ciobanu+D&amp;st2=transilvania+university&amp;sid=1a2b764df7aab08e7a6b154b5a">https://www.scopus.com/record/display.uri?eid=2-s2.0-84927758781&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Ciobanu+D&amp;st2=transilvania+university&amp;sid=1a2b764df7aab08e7a6b154b5a</a>	1	Scopus
	Ciobanu D., Jaliu C., Săulescu R., <i>Chain Tracking System for Solar Thermal Collector</i> , Applied Mechanics and Materials, vol. 658, 35-40, 2014. <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-84920648735&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Ciobanu+D&amp;st2=transilvania+university&amp;sid=1a2b764df7aab08e7a6b154b5a302d74&amp;sot=b&amp;sdt=b&amp;sl=59&amp;s=%28AUTHOR-NAME%28Ciobanu+D%29+AND+AFFIL%28transilvania+university%29%29&amp;relpos=14&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-84920648735&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Ciobanu+D&amp;st2=transilvania+university&amp;sid=1a2b764df7aab08e7a6b154b5a302d74&amp;sot=b&amp;sdt=b&amp;sl=59&amp;s=%28AUTHOR-NAME%28Ciobanu+D%29+AND+AFFIL%28transilvania+university%29%29&amp;relpos=14&amp;citeCnt=0&amp;searchTerm=</a>	1	Scopus
		8	

		<p><b>Ciobanu D.,</b> Vișa I., <i>Kinematic analysis of Cam Mechanisms as Multibody System</i>, 3<sup>rd</sup> International Conference EUCOMES 2010, New Trends in Mecanism Science, Springer, 261 – 268, 2010. <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-84896673905&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Ciobanu+D&amp;st2=transilvania+university&amp;nlo=&amp;nlr=&amp;nls=&amp;sid=1a2b764df7aab08e7a6b154b5a302d74&amp;sot=b&amp;sdt=b&amp;sl=59&amp;s=%28AUTHOR-NAME%28Ciobanu+D%29+AND+AFFIL%28transilvania+university%29%29&amp;relos=28&amp;citeCnt=1&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-84896673905&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Ciobanu+D&amp;st2=transilvania+university&amp;nlo=&amp;nlr=&amp;nls=&amp;sid=1a2b764df7aab08e7a6b154b5a302d74&amp;sot=b&amp;sdt=b&amp;sl=59&amp;s=%28AUTHOR-NAME%28Ciobanu+D%29+AND+AFFIL%28transilvania+university%29%29&amp;relos=28&amp;citeCnt=1&amp;searchTerm=</a></p>	1	Scopus
		<p><b>Ciobanu D.,</b> Săulescu R., Jaliu C., Climescu, O., <i>Wind Potential Analysis in Brasov Built Environment</i>, Applied Mechanics and Materials, vol. 659, 337-342, 2014. <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-84920704798&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Ciobanu+D&amp;st2=transilvania+university&amp;sid=1a2b764df7aab08e7a6b154b5a302d74&amp;sot=b&amp;sdt=b&amp;sl=59&amp;s=%28AUTHOR-NAME%28Ciobanu+D%29+AND+AFFIL%28transilvania+university%29%29&amp;relos=28&amp;citeCnt=1&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-84920704798&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Ciobanu+D&amp;st2=transilvania+university&amp;sid=1a2b764df7aab08e7a6b154b5a302d74&amp;sot=b&amp;sdt=b&amp;sl=59&amp;s=%28AUTHOR-NAME%28Ciobanu+D%29+AND+AFFIL%28transilvania+university%29%29&amp;relos=28&amp;citeCnt=1&amp;searchTerm=</a></p>	1	
		<p><b>Ciobanu D.,</b> Vișa I., Diaconescu D., Săulescu R., <i>Virtual Prototyping of a New Tracking System</i>, Proceeding of the 2nd international Conference on environmental and geological science and engineering –advances in environmental and geological science and engineering, Book Series: Mathematics and Computers in Science and Engineering, 142-146, 2009 <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=2&amp;doc=15">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=2&amp;doc=15</a></p>	1	
N3.2	Co-autor	<p>Comșîț M., Vișa I., Duță A., <b>Ciobanu D.,</b> <i>Mechanisms for deployable stand-alone PV arrays</i>, The 14th IFToMM World Congress, Taipei, Taiwan, 573-582, 2015. <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=2&amp;doc=15">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=2&amp;doc=15</a></p>	1	isi
		<p>Săulescu R., Jaliu C., <b>Ciobanu D.,</b> Diaconescu D., <i>Diferential Planetary Gear transmissions Usable in Renewable Energy Systems</i>, Mechanisms, Transmissions and Applications, Mechanisms and Machine Science 3, Springer, 275-282, 2011. <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85034815633&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Ciobanu+D&amp;st2=transilvania+university&amp;nlo=&amp;nlr=&amp;nls=&amp;sid=1a2b764df7aab08e7a6b154b5a302d74&amp;sot=b&amp;sdt=b&amp;sl=59&amp;s=%28AUTHOR-NAME%28Ciobanu+D%29+AND+AFFIL%28transilvania+university%29%29&amp;relos=26&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-85034815633&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Ciobanu+D&amp;st2=transilvania+university&amp;nlo=&amp;nlr=&amp;nls=&amp;sid=1a2b764df7aab08e7a6b154b5a302d74&amp;sot=b&amp;sdt=b&amp;sl=59&amp;s=%28AUTHOR-NAME%28Ciobanu+D%29+AND+AFFIL%28transilvania+university%29%29&amp;relos=26&amp;citeCnt=0&amp;searchTerm=</a></p>	1	
			4	scopus



	<p>Cotfas D. T., Cotfas P. A., Machidon O. M., <b>Ciobanu D.</b>, <i>Investigation of the photovoltaic cell/ thermoelectric element hybrid system performance</i>, International Conference on Innovative Research - ICIR Euroinvent, 2016. 1  <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=1&amp;doc=6">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=1&amp;doc=6</a></p>	isi	scopus
	<p>Jaliu C., Săulescu R., <b>Ciobanu D.</b>, <i>Hybrid system for a stand-alone application</i>, International Conference on Production Research – Africa, Europe and the Middle East; 4th International Conference on Quality and Innovation in Engineering and Management, 125-130, 2016 1  <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=1&amp;doc=7">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=E6MsJA1bTgHLQHsWjNV&amp;page=1&amp;doc=7</a></p>	isi	

**A2.3. CDI-BRV - Brevete de invenție**

Nr.crt.	Subcategorie			Denumire	n	Indicator	Indicatori candidat
A2.3	International indexate in Web of Science-Derwent Innovation	n≤3	$P2.1=2*(0,2+2)$	-			0
		n≥4	$P2.1=3*(0,2+2)/n$	-			
A2.3	Nationale indexate OSIM	n≤3	$P2.2=2*(0,2+0,5)$	-			1,92
		n≥4	$P2.1=3*(0,2+0,5)/n$	Diaconescu D., Jaliu C., Neagoe M., Săulescu R., Climescu O., <b>Ciobanu D.</b> , Burduhos B., Transmisie planetara cu satelit dublu și lanțuri, RO126694(A0)/2011.09.30 <a href="https://worldwide.espacenet.com/publicationDetails/biblio?II=7&amp;">https://worldwide.espacenet.com/publicationDetails/biblio?II=7&amp;</a>	7	0,3	
				Vișa I., Diaconescu D., <b>Ciobanu D.</b> , Velicu R., <i>Reductor cu came cardioide</i> , RO125178(A0)/ 2011.12.30 <a href="https://worldwide.espacenet.com/publicationDetails/biblio?II=6&amp;ND=3&amp;adjacent=true&amp;locale=en_EP&amp;FT=D&amp;date=20111230&amp;C=RO&amp;NR=125178B1&amp;KC=B1">https://worldwide.espacenet.com/publicationDetails/biblio?II=6&amp;ND=3&amp;adjacent=true&amp;locale=en_EP&amp;FT=D&amp;date=20111230&amp;C=RO&amp;NR=125178B1&amp;KC=B1</a>	4	0,525	
				Vișa I., Comșîț M., Dută-Capra A., Neagoe M., Săulescu R.G., <b>Ciobanu D.</b> , Moldovan M.D., Burduhos B.G., Perniu D., Eneșca A.I., Isac L., Ienei E., Mihoreanu C., Țoțu I., <i>Colector solar termic modular pentru optimizarea prin testare a eficienței conversiei și creșterea acceptanței arhitecturale</i> , RO130275 (A0)/2015.05.29 <a href="https://worldwide.espacenet.com/publicationDetails/biblio?II=5&amp;ND=3&amp;adjacent=true&amp;locale=en_EP&amp;FT=D&amp;date=20150529&amp;C=RO&amp;NR=130275B1&amp;KC=B1">https://worldwide.espacenet.com/publicationDetails/biblio?II=5&amp;ND=3&amp;adjacent=true&amp;locale=en_EP&amp;FT=D&amp;date=20150529&amp;C=RO&amp;NR=130275B1&amp;KC=B1</a>	14	0,15	
				<i>testarea colectoarelor solar-termice plate în mediul salin</i> , <b>RO130937</b> (A0)/2016.02.26 <a href="https://worldwide.espacenet.com/publicationDetails/biblio?II=4&amp;ND=3&amp;adjacent=true&amp;locale=en_EP&amp;FT=D&amp;date=20160226&amp;C=RO&amp;NR=130937B1&amp;KC=B1">https://worldwide.espacenet.com/publicationDetails/biblio?II=4&amp;ND=3&amp;adjacent=true&amp;locale=en_EP&amp;FT=D&amp;date=20160226&amp;C=RO&amp;NR=130937B1&amp;KC=B1</a>	4	0,525	
				<i>de orientare monoaxial de inalta precizie</i> , RO131808(A0)/2017-04-28 <a href="https://worldwide.espacenet.com/publicationDetails/biblio?II=1&amp;ND=3&amp;adjacent=true&amp;locale=en_EP&amp;FT=D&amp;date=20170428&amp;C=RO&amp;NR=131808B1&amp;KC=B1">https://worldwide.espacenet.com/publicationDetails/biblio?II=1&amp;ND=3&amp;adjacent=true&amp;locale=en_EP&amp;FT=D&amp;date=20170428&amp;C=RO&amp;NR=131808B1&amp;KC=B1</a>	5	0,42	
					<b>TOTAL</b>		<b>1,920</b>

**A2.5. CDI - MON - Monografii/carti de specialitate, format tiparit/electronic**

Nr.crt.	Subcategorii	Denumire	Nr.total pag.	Indicator candidat
1	Coordonator/prim autor			
2	Co-autor	Vişa I., Jaliu C., Duţă A., Neagoe M., Comşiţ M., Macedon M., <b>Ciobanu D.</b> , Burduhos B., Săulescu R., <i>The Role of Mechanisms in Sustainable Energy System</i> , Transilvania University Publishing House,2015, ISBN 973-606-19-0571-3	346	1
		VIŞA, I, DUŢĂ, A., “Sustainable Energy” , Transilvania University of Braşov Publishing House, ISBN 978-973-598-454-0, 2008, Co-autor Cap. „Solar Thermal System”	324	1

**TOTAL 2**

### A3. Criteriul RIA - Recunoaștere și impactul activității RIA

Rezultatele activitatilor	Subcategorii		Indicatori	Indicatori candidat
Atragere resurse financiare prin granturi/proiecte/contracte	A3.1	Director sau responsabil partener la grant/proiect castigat prin competitie nationala sau internationala international	S1	65,173
		Membreu in echipă la grant/proiect castigat prin competitie nationala sau internationala, proiecte/contracte terti	S2	
Prezentarea/Diseminarea rezultatelor: prezenta la manifestari stiintifice in calitate de autor/co-autor de lucrari, profesor invitat	A3.2	Congrese/conferinte/workshopuri internationale, profesor invitat la universitati/institute din stainatate	N5	12
Citari in publicatii BDI	A3.3	CI=numarul de citari	C=C+Sfi	116,736
		SFI=suma factorilor de impact al		

### 3.1. RIA-GRA - Granturi internaționale/ naționale/terti

Indicator	Descriere	Denumire grant	Valoare alocată UTBV		Punctaj obținut	Indicator candidat
			RON	EURO		
	Director sau responsabil partener grant național	CNCSIS 153_1.10.2007(93/2007)-“Modelarea mecanismelor cu came si parghii prin metoda sistemelor multicorp”, director, 2007-2008	16570	4944,055	4,944055	<b>4,944055</b>
<b>Contribuție complementară în calitate de membru echipă cercetare grant/proiect</b>						
RIA-GRA	Membru echipă grant internațional	EUROMAINT NL/06/B/F/PP-157604 Director Prof.Dr.Ing Codruta Jaliu		1000,00	1,000	<b>16,955</b>
		SEE - Eu Tool - Sustainable energy for high school education - an european training tool, 226362-CP-1-2005-1-RO-COMENIUS-C21, Director prof.dr.ing. Visa Ion		1600	1,600	
		Advanced Computer Aided Design of Ecological Products, and technologies Integrating Green Energy Sources, ADEPT perioada:20022005 finantator:EU NrContract:No G 1MA-CT -2002-04038 NrAniDerulare:3		4417,777778	4,418	
		IMBUNATATIREA COMPETENTELOR IN DOEMNIUL RECICLARII DESEURILOR SI A DEZVOLTARII DURABILE perioada:20052006 finantator:EU NrContract:Proiect Leonardo da Vinci RO/2005/95102/EX NrAniDerulare:2		1375	1,375	
		BEST- Language Support to Vocational Education and Training in Bulgarian English, Spanish, Turkish and Romanian perioada:20082011 finantator:UE NrContract:0 NrAniDerulare:3		500	0,500	
		Project Based School Management PRO-School, 142320-LLP-1-2008-1-TR-COMENIUS-CMP		1000	1,000	
		Experimental Study Regarding the Increase of Received Solar Energy through Orientation EU-DG RTD Solar Facilities for the European Research Area (SFERA), No. 228296, director Bogdan Gabriel Burduhos		7062,15	7,062	
	Membru echipă grant național	CERCETARI PRIVIND ANALIZA SI OPTIMIZAREA IN MEDIU VIRTUAL, PE PLATFORME DE PROTOTIPARE DIGITALA, A SISTEMELOR MECATRONICE UTILIZATE PENTRU EFICIENTIZAREA CONVERSIEI RADIATIEI SOLARE IN ELECTRICITATE perioada:20072008 finantator:CNCSIS NrContract:4GR / 2007 & 6GR / 2008 NrAniDerulare:2	168000	4979,501385	4,980	<b>43,274</b>
		Statie autonoma de monitorizare cu aplicatii in domeniul energiei fotovoltaice si al protectiei mediului. perioada:20082011 finantator:CNCSIS NrContract:22-101/2008 NrAniDerulare:4	5000	1173,70892	1,174	
		Cercetări privind creșterea eficienței conversiei energiei solare în colectoarele solar-termice perioada:20062007 finantator:CNCSIS NrContract:A418/2006 NrAniDerulare:2	15000	3906,25	3,906	
		Cresterea eficientei conversiei energiei solare in platforme fotovoltaice orientabile perioada:20072010 finantator:CNCSIS NrContract:21-003/2007 -2010 NrAniDerulare:3	7000	1822,916667	1,823	
		Sisteme mecanice noi pentru cresterea eficientei conversiei energiei solare in energie electrica perioada:20062007 finantator:CEEX NrContract: 752/2006 NrAniDerulare:2	6000	1562,5	1,563	
		Sisteme solar termice eficiente cu acceptanță ridicată pentru implementare în mediul urban, EST IN URBA perioada:20122015 finantator:ANCS NrContract:28/2012 NrAniDerulare:3	43805	9648,678414	9,649	
		CNCSIS 1321- <b>2004-206-</b> “Cercetarea, Proiectarea si testarea mecanismelor stergatorului de parbriz pe baza tehnologiilor moderne (modelare digitala, prototipare virtuala) ”, director Catalin Alexandru	39500	9899,749373	9,900	
		Institut de Cercetare, Dezvoltare, Inovare: Produse High Tech pentru Dezvoltare Durabila PRO_DD perioada:20092013 finantator:Fonduri structurale NrContract:Contract nr. 11/2009; ID 123; SMIS 2637 NrAniDerulare:4	12450	2950,236967	2,950	

	Cercetări asupra sistemelor solare hibride fotovoltaice/termoelectrice/termice PV/TEG/STC, 2015-2016, director Cotfas Daniel, nr 135/1.10.2015	29700	6541,85022	6,542	
	Îmbunătățirea tehnologiei sistemului mecatronic multispectral în vederea creșterii performanțelor de captare a parametrilor vegetativi în contextul schimbărilor climatice, 2016, director Marius Luculescu	2250	495,5947137	0,496	
	Sistem inovativ integrat materiale-Tehnologie -Echipament pentru procese simultane de fotocataliza si adsorbție aplicate in epurarea sustenabila a apelor uzate SimFotoAd, 2015, director Maria Visa	1332	293,3920705	0,293	
					<b>TOTAL 65,173</b>

### A3.2. RIA-Prezentare/Diseminare

Descriere	Denumire conferinta	Indicatori	Indicator candidat
Congrese/conferinte/workshopuri internationale	Jaliu C., Săulescu R., <b>Ciobanu D.</b> , Panainte Fl., PV-Wind Hybrid System for the Energy Supply of an Off Grid Application, <i>Conference on Sustainable Energy 2017</i>	1	1
	Jaliu C., Săulescu R., <b>Ciobanu D.</b> , Hybrid system for a stand-alone application, <i>International Conference on Production Research – Africa, Europe and the Middle East; 4th International Conference on Quality and Innovation in Engineering and Management, Cluj 2016, ISBN 978-606-727-190-2</i>	1	1
	<b>Ciobanu D.</b> , Eftimie E., Jaliu C., „The influence of measured/simulated weather data on evaluating the energy need in buildings”, <i>Solar Heating and Cooling Conference</i> , Freiburg 2013.	1	1
	<b>Ciobanu D.</b> , Visa I., Duta, A., „Solar thermal collectors outdoor testing in saline environment”, <i>Solar Heating and Cooling Conference</i> , Freiburg 2013	1	1
	<b>Ciobanu D.</b> , Jaliu C., „Innovative tracking system for parabolic dish solar collector”, <i>The 11th IFToMM International Symposium on Science of Mechanism and Machines</i> , Springer, 2013	1	1
	<b>Ciobanu D.</b> , Jaliu C. , Visa I., Comsit M., Solar thermal system with dish collector used for cooling, <i>International Conference EUROSUN 2012</i>	1	1
	<b>Ciobanu D.</b> , Conceptual design of a solar thermal system with dish solar collector, <i>Conference on Sustainable Energy 2011</i>	1	1
	<b>Ciobanu D.</b> , Vișa I., Kinematic analysis of Cam Mechanisms as Multibody System, <i>3<sup>rd</sup> International Conference EUCOMES 2010</i>	1	1
	<b>Ciobanu D.</b> , Visa, I., New tracking systems for small parabolic trough collectors, <i>4 European Solar Thermal Energy Conference, ESTEC 2009, Munchen, Germania,</i>	1	1
	<b>Ciobanu D.</b> , Vișa I., Diaconescu D., Optimizing of a new tracking systems for small parabolic trough collectors, <i>International Conference EUROSUN 2008</i>	1	1
	<b>Ciobanu D.</b> , Vișa I., Jaliu C., Kotter J., Faber C., Small parabolic trough collector, <i>Conference on Sustainable Energy</i> , Brasov, 2005	1	1
	<b>Ciobanu D.</b> , Vișa I., Modeling and Kinematic analysis of cam mechanisms as multibody systems, <i>The 9<sup>th</sup> IFToMM International Symposium on Theory of Machines and Mechanisms</i> , 2005	1	1
	multibody systems, <i>The 5<sup>th</sup> International Scientific Conference On Naval Technologies</i> , Constanta, 2006,	1	1
TOTAL			12

### A3.3. RIA-Prezentare/Diseminare

Descriere	Publicatia citata	Lucrari care citeaza	FI	Numar citari	C	Indicator candidat
	The influence of measured/simulated weather data on evaluating the energy need in buildings	Guattari, Claudia; Evangelisti, Luca; Balaras, Constantinos A., On the assessment of urban heat island phenomenon and its effects on building	4,457	3	7,457	19,914
		Ignatius, Marcel; Hien, Wong Nyuk; Jusuf, Steve Kardinal, The significance of using local predicted temperature for cooling	4,457	8	12,457	
	Design and experimental optimisation of a novel flat plate solar thermal collector with trapezoidal shape for facades integration	R O'Hegarty, O Kinnane, SJ McCormack, Review and analysis of solar thermal facades, - Solar Energy, 2016, <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search</a>	4,374	12	16,374	89,736
		R Rybár, M Beer, M Cehlár, Thermal power measurement of the novel evacuated tube solar collector and conventional solar collector during	2,218	4	6,218	
		Zhu Tingting, Diao Yanhua, Zhao Yaohua, Ma Cheng, Performance evaluation of a novel flat-plate solar air collector with micro-heat pipe arrays (MHPA), - <del>Applied Thermal Engineering</del> , 2017	3,771	1	4,771	
		J Shen, X Zhang, T Yang, L Tang, A Cheshmehzangi, Characteristic study of a novel compact Solar Thermal Facade (STF) with internally	7,9	10	17,900	
		A Ahmadi, DD Ganji, F Jafarkazemi, Analysis of utilizing Graphene nanoplatelets to enhance thermal performance of flat plate solar	4,801	1	5,801	
		R Das, B Akay, RK Singla, K Singh, Application of artificial bee colony algorithm for inverse modelling of a solar collector, Inverse Problems in <del>Science and Engineering</del> , 2016	1,125	8	9,125	
		Moss, R.W., Shire, G.S.F., Henshall, P., Eames, P.C., Arya, F., Hyde, T., Optimal passage size for solar collector microchannel and tube-on-plate absorbers, Solar Energy, volume 153, issue , 2017, pp. 718 - 731, <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode</a>	4,374	1	5,374	
		Manikandan, J., Sivaraman, B., Experimental analysis of double glazed flat plate solar water heater with various absorber plate geometries,	0	1	1,000	
		Moldovan, M., Visa, I., Duta, A., Document Future trends for solar energy use in nearly zero energy buildings ( Book Chapter), Advances in Solar Heating and Cooling, pp. 547-569	0	1	1,000	
		I Visa, A Duta , Innovative Solutions for Solar Thermal Systems Implemented in Buildings, - Energy Procedia, 2016	0	1	1,000	



Citari in  
publicatii  
BDI

Li, Wen-Tai; Thirugnanam, Kannan; Tushar, Wayes; et al., Improving the Operation of Solar Water Heating Systems in Green Buildings via Optimized Control Strategies, IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS Volume: 14 Issue: 4 Pages: 1646-1655 Published: APR 2018, <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=17&amp;SID=D5NzhBz4wtcAbTpkHns&amp;page=1&amp;doc=1">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=17&amp;SID=D5NzhBz4wtcAbTpkHns&amp;page=1&amp;doc=1</a>	5,43	1	6,430
Chang, Keh-Chin; Lin, Wei-Min; Chung, Kung-Ming, Solar water heaters as a pre-heating system for industrial processes, ENERGY EFFICIENCY Volume: 11 Issue: 3 Pages: 755-760 Published: MAR 2018, <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=21&amp;SID=D5NzhBz4wtcAbTpkHns&amp;page=1&amp;doc=2">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=21&amp;SID=D5NzhBz4wtcAbTpkHns&amp;page=1&amp;doc=2</a>	1,634	1	2,634
de Gracia, Alvaro; Navarro, Lidia; Coma, Julia; et al., Experimental set-up for testing active and passive systems for energy savings in buildings - Lessons learnt, RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 82	9,184	1	10,184
Ciprian, Mihoreanu; Alexandru, Enesca; Anca, Duta, SiO2/TiO2 multi-layered thin films with self-cleaning and enhanced optical properties, BULLETIN OF MATERIALS SCIENCE Volume: 40 Issue: 3 Pages: 473-482 Published:	0,925	1	1,925
I Visa, A Duta , Innovative Solutions for Solar Thermal Systems Implemented in Buildings, - Energy Procedia, 2016	0	1	1
Moldovan, M., Visa, I., Duta, A.,DocumentFuture trends for solar energy use in nearly zero energy buildings ( Book Chapter), Advances in Solar Heating and Cooling, pp. 547-569	0	1	1
Atodiresei D, Nicolae F, Cotorcea A, Cost - Benefit Analysis of Photovoltaic Systems Installed on Ships on the Trade Routes in the Northwest Brack Sea Basin, J. of Environmental Protection and Ecology, 18 (1), 40-45, 2017, <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=76&amp;SID=D5NzhBz4wtcAbTpkHns&amp;page=1&amp;doc=1">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=76&amp;SID=D5NzhBz4wtcAbTpkHns&amp;page=1&amp;doc=1</a>	0,679	1	1,679
3,679			

Characterization of the Photovoltaic/Thermoelectric/Solar Collector - Hybrid System in natural sunlight conditions	Cai, Li; Dai, Nina; Tan, Zefu, Research on mathematical model and calculation simulation of wireless sensor solar cells in Internet of Things, EURASIP JOURNAL ON WIRELESS COMMUNICATIONS AND NETWORKING Article Number: 116 Published: MAY 10 2018	2,407	1	3,407	3,407
				<b>TOTAL</b>	<b>116,736</b>