

## Fișa de verificare a îndeplinirii standardelor minimale CNATDCU

Domeniul fundamental: **Științe ingineresti**

Domeniul de studii universitare de doctorat: **Inginerie industrială**

Comisia CNATDCU de specialitate: **Inginerie industrială și management**

Autorul tezei de abilitare: **Conf.dr.ing. Camil-Traian-Sorin LANCEA**

*Obs: Toate fișierele cu dovezi, pot fi găsite accesând link-urile **Dovada** din tabel*

### A1. Activitatea didactică și profesională

Tip Criteriu	Criteriu / Descriere	Formula	Punctaj
1.1.1.2	<b>Cărți/ manuale/monografii/capitole în cărți de specialitate ca autor- naționale (edituri recunoscute)</b>	<b>nr. pag./{(10*nr.autori)}</b>	
	1.Lancea, C., <i>Concepție și fabricație asistate de calculator</i> , Editura Universității TRANSILVANIA din Brașov, 2005, 224 pagini, ISBN 973-635-442-3 <a href="#">Dovada</a>	(224/{10*1})	22.4
	2.Lancea, C., <i>Proiectarea inovativă a produselor industriale</i> , Editura MATRIX ROM, 2021, 209 pag, ISBN: 978-606-25-0640-7 <a href="#">Dovada</a>	(209/{10*1})	20.9
	<b>TOTAL</b>	<b>43.3</b>	
1.1.2. 2	<b>Cărți ca editor naționale</b>	<b>nr. pag./{(20*nr.editori)}</b>	
	1.Extended Abstracts of The 1st International Conference on Computing and Solutions in Manufacturing Engineering 2004 - CoSME'04, Editura Universitatii Transilvania din Brasov, ISBN: 973-635-372-9, 2004, 346 pag. <a href="#">Dovada</a>	346/([20*6])	2.883
	<b>TOTAL</b>	<b>2.883</b>	


1.2.1	Suporturi de curs/Indrumare Alte materiale didactice inclusiv în format electronic (pentru format electronic-echivalent format A4 text, fără figuri, cu min 3200 caractere inclusiv spatii)	nr. pag./{20*nr. autori}	
	1. Lancea, C., Chicoș, L.-A., <i>Proiectare asistata de calculator utilizând PRO/E. Teorie si aplicatii</i> , Editura MATRIX ROM, 2020, 152 pag, ISBN: 978-606-25-0510-3 <a href="#">Dovada</a>	(152/{20*2})	3.8
	2. Lancea, C. <i>Tehnologia informației si a comunicării. Aplicații Internet</i> , Editura MATRIX ROM, 2021, 101 pag, ISBN 978-606-25-0658-2 <a href="#">Dovada</a>	(101/{10*1})	10,1
	3. Ivan, N. V., Drăgoi, M. V., Păunescu, T., Oancea, G., Lancea, C., Ivan, M. C., Lupulescu, N. B., Nedelcu, A., <i>Sisteme CAD/CAM și Optimizări tehnologice, aplicații în construcția de mașini</i> , Editura Universității Transilvania din Brașov, 2002 – 277 pagini, ISBN 973-9474-38-1 <a href="#">Dovada</a>	278/{[20*9]}	1.544
	4. Lancea, C., <i>Prelucrarea prin frezare a suprafețelor 3D pe MUCN-uri</i> , Editura Universității Transilvania din Brașov, 2003, 221 <a href="#">Dovada</a>	221/{[20*1]}	11.05
	5. Chicoș, L.-A., Lancea, C. <i>Fabricație Asistata de Calculator. Aplicații in Pro/NC</i> , Editura MATRIX ROM, 2019, 136 pag, ISBN 978-606-25-0510-3 <a href="#">Dovada</a>	136/{[20*2]}	3.4
	6. Ivan N. V., Berce, P., Drăgoi, M. V., Oancea, G., Ivan, M. C., Bâlc, N., Lancea, C., Udriou, R., Vasiloni, A.M., Mihali, M., Ivan, C., <i>Sisteme CAD CAPP CAM teorie și practică</i> , Editura Tehnică, București, 2004, 404 pag, ISBN: 973-31-1530-4 <a href="#">Dovada</a>	404/{[20*11]}	1.836
	7. Oancea, Gh., Folea, M., Chicoș, L., Pârv, L., Morariu, C., Lancea, C., Filip, Al., <i>Estimarea costurilor de prelucrare a produselor industriale</i> , Editura Universității Transilvania din Brașov, 2008, 193 pag, ISBN: 978-973-598-243-0 <a href="#">Dovada</a>	(193/{20*7})	1.38
	<b>TOTAL</b>	<b>33.11</b>	
1.3	Coordonare de programe de studii, organizare si coordonare programe de formare continua - Director/ Responsabil	15	
	1. Proiectare 3D Utilizand Pro/engineer, 2017-2018 <a href="#">Dovada</a>	15	15
		<b>TOTAL</b>	<b>15</b>

1.4	Dezvoltare de noi discipline – titular	10	
	1. Fabricație inovativă utilizând CATIA, programul de studii de masterat: Ingineria fabricației inovative, Departamentul de Ingineria Fabricației, Facultatea de Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2014 <a href="#">Dovada</a>	(10)	10
	2. Tehnica sistemelor CAM, programul de studii de masterat: Ingineria fabricației inovative, Departamentul de Ingineria Fabricației, Facultatea de Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2014 <a href="#">Dovada</a>	(10)	10
	3. Tehnologii utilizate în procesele de fabricație, programul de studii de masterat: Ingineria proceselor de fabricație avansate, Departamentul de Ingineria Fabricației, Facultatea de Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2015 <a href="#">Dovada</a>	(10)	10
	4. Proiectare Tehnologica Asistata de Calculator, programul de studii de licență: Ingineria și Managementul Calității, Departamentul de Ingineria Fabricației, Facultatea de Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2014 <a href="#">Dovada</a>	(10)	10
	5. Proiectarea Asistata de Calculator a produselor - Sisteme CAD, programul de studii de licență: Tehnologia construcțiilor de mașini, Departamentul de Ingineria Fabricației, Facultatea de Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2014 <a href="#">Dovada</a>	(10)	10
	6. Sisteme CAM, programul de studii de licență: Tehnologia construcțiilor de mașini - limba franceză, Catedra de Tehnologia Construcțiilor de mașini, Facultatea de Inginerie Tehnologică, Universitatea Transilvania din Brașov, 2008 <a href="#">Dovada</a>	(10)	10
	7. Conceptie si Fabricatia Integrata Asistata de Calculator, programul de studii de licență: Productică, Catedra de Tehnologia Construcțiilor de mașini, Facultatea de Inginerie Tehnologică, Universitatea Transilvania din Brașov, 2003 <a href="#">Dovada</a>	(10)	10
	8. Sisteme CAD/CAM în limba engleză, programul de studii de licență: Design industrial - limba engleză, Catedra de Tehnologia Construcțiilor de mașini, Facultatea de Inginerie Tehnologică, Universitatea Transilvania din Brașov 2007 <a href="#">Dovada</a>	(10)	10
	<b>TOTAL</b>	<b>80</b>	
	<b>TOTAL AI</b>	<b>174.3</b>	

## A2. Activitatea de cercetare

Tip Criteriu	Criteriu / Descriere	Formula	Punctaj
2.1	Articole in Reviste cotate ISI Thomson (14 articole) <u>Dovada</u>	(30+10*factor de impact)/(nr.de autori)	
	1. Zaharia, S. M., Pop, M. A., Buican, G. R., Chicos, L. A., Pascariu, I. S., Stamate, V. M., <b>Lancea, C.</b> , <i>Design and Testing of Brushless DC Motor Components of A6 Steel Additively Manufactured by Selective Laser Sintering</i> , Aerospace Journal, 2023, Volume 10, Issue 1, Article Number 60, Factor de impact: 2.66, Link articol: <a href="https://doi.org/10.3390/aerospace10010060">https://doi.org/10.3390/aerospace10010060</a> <u>Dovada publicării articolului într-un iurnal ISI. Link Web of Science</u> <u>Dovada factor de impact și zona O1</u>	(30+10*[2,660]) /[7]	8.09
	2. <b>Lancea, C.</b> , Chicos, L. A., Zaharia, S. M., Pop, M. A., Pascariu, I. S., Buican, G. R., Stamate, V. M., <i>Simulation, Fabrication and Testing of UAV Composite Landing Gear</i> , Applied Sciences Journal, 2022, Volume 12, Issue 17, 8598, Factor de impact: 2.838, Link articol: <a href="https://doi.org/10.3390/app12178598">https://doi.org/10.3390/app12178598</a> <u>Dovada publicării articolului într-un iurnal ISI. Link Web of Science</u> <u>Dovada factor de impact și zona O2</u>	(30+10*[2,838]) /[7]	8.34
	3. Chicos, L. A., Pop, M. A., Zaharia, S. M., <b>Lancea, C.</b> , Buican, G. R., Pascariu, I. S., Stamate, V. M., <i>Infill Density Influence on Mechanical and Thermal Properties of Short Carbon Fiber-Reinforced Polyamide Composites Manufactured by FFF Process</i> , Materials Journal, 2022, Volume 15, Issue 10, 3706, Factor de impact: 3.748, Link articol: <a href="https://doi.org/10.3390/ma15103706">https://doi.org/10.3390/ma15103706</a> <u>Dovada publicării articolului într-un iurnal ISI. Link Web of Science</u> <u>Dovada factor de impact și zona O2</u>	(30+10*[3,748]) /[7]	9.64
	4. Zaharia, S. M., Pop, M. A., Chicos, L. A., Buican, G. R., <b>Lancea, C.</b> , Pascariu, I. S., Stamate, V. M., <i>Compression and Bending Properties of Short Carbon Fiber Reinforced Polymers Sandwich Structures Produced via Fused Filament Fabrication Process</i> , Polymers Journal, 2022, Volume 14, Issue 14, 2923, Factor de impact: 4.967, Link articol: <a href="https://doi.org/10.3390/polym14142923">https://doi.org/10.3390/polym14142923</a> <u>Dovada publicării articolului într-un iurnal ISI. Link Web of Science</u> <u>Dovada factor de impact și zona O1</u>	(30+10*[4,967]) /[7]	11.38


	<p>5. Chicos, L. A., Pop, M. A., Zaharia, S. M., Lancea, C., Buican, G. R., Pascariu, I. S., Stamate, V. M., <i>Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties</i>, <i>Polymers Journal</i>, 2022, Volume 14, Issue 22, 4988, Factor de impact: 4.967,</p> <p>Link articol: <a href="https://doi.org/10.3390/polvm14224988">https://doi.org/10.3390/polvm14224988</a></p> <p><a href="#">Dovada publicării articolului într-un jurnal ISI. Link Web of Science</a></p> <p><a href="#">Dovada factor de impact și zona O1</a></p>	(30+10*[4,967]) /[7]	11.38
	<p>6. Chicos, L. A., Zaharia, S. M., Cempura, G., Kruk, A., Lech, S., Kryshtal, O., Ziętara, M., Michta, G., Rodríguez, J., Cosnita, M., Pop M.A., Lancea, C., <i>Effect of concentrated solar energy on microstructure evolution of selective laser melted Ti-6Al-4V alloy</i>, <i>International Journal of Advanced Manufacturing Technology</i>, 118, 2021, 3183–3207, Factor de impact: 3.563,</p> <p>Link articol: <a href="https://doi.org/10.1007/s00170-021-08136-6">https://doi.org/10.1007/s00170-021-08136-6</a></p> <p><a href="#">Dovada publicării articolului într-un jurnal ISI. Link Web of Science</a></p> <p><a href="#">Dovada factor de impact și zona O2</a></p>	(30+10*[3.563]) /[7]	9.38
	<p>7. Lancea, C.; Campbell, I.; Chicos, L.-A.; Zaharia, S.-M. Compressive Behaviour of Lattice Structures Manufactured by Polyjet Technologies, <i>Jurnalul Polymers</i> 2020, 12, 2767, Factor de impact: 3.426, (Q1),</p> <p>Link articol: <a href="https://doi.org/10.3390/polvm12122767">https://doi.org/10.3390/polvm12122767</a></p> <p><a href="#">Dovada publicării articolului într-un jurnal ISI. Link Web of Science</a></p> <p><a href="#">Dovada factor de impact și zona O1</a></p>	(30+10*[3.426]) /[4]	16.065
	<p>8. Zaharia, S.M., Chicos, L. A., Lancea, C., Pop M.A., <i>Effects of Homogenization Heat Treatment on Mechanical Properties of Inconel 718 Sandwich Structures Manufactured by Selective Laser Melting</i>, <i>Jurnalul Metals</i> 2020, Volume 10, Issue 5, 645, ISSN: 2075-4701, Factor de impact: 2.117, (Q2), WOS: 000540220000093</p> <p>Link: <a href="https://doi.org/10.3390/met10050645">https://doi.org/10.3390/met10050645</a></p> <p><a href="#">Dovada publicării articolului într-un jurnal ISI. Link Web of Science</a></p> <p><a href="#">Dovada factor de impact și zona O2</a></p>	(30+10*[2.117]) /[4]	12.79
	<p>9. Chicos, L. A., Campbell, I., Zaharia, S.M., Pop M.A., Lancea, C. Semenescu, A., Florea, B., Oana R., Chivu O. R., <i>Experimental and Finite Element Analysis of the Open-Cells Porous Materials Subjected to Compression Mechanical Loading</i>, <i>Revista: Materiale Plastice</i>, ISSN 0025 / 5289, Volume 56, Issue 2, 2019, pp. 421–425, Factor de impact: 1.517, (Q4), WOS: 000476641000026,</p> <p>Link articol: <a href="https://doi.org/10.37358/MP.19.2.5199">https://doi.org/10.37358/MP.19.2.5199</a></p> <p><a href="#">Dovada publicării articolului într-un jurnal ISI. Link Web of Science</a></p> <p><a href="#">Dovada factor de impact și zona O4</a></p>	(30+10*[1.517]) /[9]	5.019


	<p>10. <b>Lancea, C.</b>, Chicos, L., Zaharia S. M., Pop M. A., Semenescu A., Florea B., Chivu, O, Accelerated Corrosion Analysis of AlSi10Mg Alloy Manufactured by Selective Laser Melting (SLM), Revista de Chimie, ISSN:25375733, No. 4 / 2018, pp. 975-981, Factor de impact: 1.605, (Q3), WOS: 000433223000046</p> <p>Link articol: <a href="https://doi.org/10.37358/RC.18.4.6240">https://doi.org/10.37358/RC.18.4.6240</a></p> <p>Dovada publicării articolului într-un jurnal ISI. <a href="#">Link Web of Science</a></p> <p><a href="#">Dovada factor de impact și zona O3</a></p>	(30+10*[1.605]) /[7]	6.579
	<p>11. Zaharia S.M., <b>Lancea, C.</b>, Chicos, L.-A., Pop M., Caputo G, Serra, E., Mechanical Properties and Corrosion Behaviour of 316L Stainless Steel Honeycomb Cellular Cores Manufactured by Selective Laser Melting, Transactions of FAMENA, ISSN1333-1124, issue 4, volume 41, No.4, Veljača 2018. pp. 11-24, Factor de impact: 0.704, (Q4), WOS: 000431808800002</p> <p>Link articol: <a href="https://doi.org/10.21278/TOF.41402">https://doi.org/10.21278/TOF.41402</a></p> <p><a href="#">Dovada publicării articolului într-un jurnal ISI. Link Web of Science</a></p> <p><a href="#">Dovada factor de impact și zona O4</a></p>	(30+10*[0.704]) /[6]	6.173
	<p>12. Chicos, L.-A., Zaharia S.M., <b>Lancea, C.</b>, Pop M., Canadas I, Rodriguez J, Galindo J., Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting, Solar Energy Journal, Volume 173, 2018, pp. 76-88, Factor de impact: 4.674, (Q1), WOS: 000452940800007</p> <p>Link articol: <a href="https://doi.org/10.1016/i.solener.2018.07.069">https://doi.org/10.1016/i.solener.2018.07.069</a></p> <p><a href="#">Dovada publicării articolului într-un jurnal ISI. Link Web of Science</a></p> <p><a href="#">Dovada factor de impact și zona O1</a></p>	(30+10*[4.674]) /[7]	10.963
	<p>13. Zaharia, S.M., Pop, M.A, Chicos, L.A., <b>Lancea, C.</b>, Semenescu, A., Florea, B., Chivu, O.R., An investigation on the reliability and degradation of polycrystalline silicon solar cells under accelerated corrosion test, Revista: Materiale Plastice, ISSN 0025 / 5289, Volume 54, Issue 3, 2017, pp. 466-472, Factor de impact: 1.248, (Q3), WOS: 000426412300012,</p> <p>Link articol: <a href="https://doi.org/10.37358/MP.17.3.4872">https://doi.org/10.37358/MP.17.3.4872</a></p> <p>Dovada publicării articolului într-un jurnal ISI. <a href="#">Link Web of Science</a></p> <p><a href="#">Dovada factor de impact și zona O3O</a></p>	(30+10*[1.248]) /[7]	6.069
	<p>14. Buican, G. R., Zaharia, S. M., Pop, M. A., Chicos, L. A., <b>Lancea, C.</b>, Stamate, V. M., Pascariu, I. S., Fabrication and Characterization of Fiber-Reinforced Composite Sandwich Structures Obtained by Fused Filament Fabrication Process, COATINGS Journal, Volume: 11, Issue: 5, 2021, Article Number: 601, Factor de impact: 2.436, (Q2),</p> <p>Link articol: <a href="https://doi.org/10.3390/coatings11050601">https://doi.org/10.3390/coatings11050601</a></p> <p><a href="#">Dovada publicării articolului într-un jurnal ISI. Link Web of Science</a></p> <p><a href="#">Dovada factor de impact și zona O2</a></p>	(30+10*[2.436]) /[7]	7.77
	<b>TOTAL</b>	<b>129.63</b>	

Articole în volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baze de date <a href="#">Dovada</a>	25/(nr. de autori)	
15. Lancea, C., Oancea, Gh., Chicoș, L.A., Stamate, V., Software Package for Improving the Milling Process of 3D Parts, Proceedings of the 10th WSEAS International Conference on APPLIED COMPUTER SCIENCE (ACS'10), Iwate Prefectural University, Published by World Scientific and Engineering Academy and Society (WSEAS) Press, pp. 234-237, (ISSN: 1792-4863, ISBN: 978-960-474-231-8 – ISI Proceedings ), Iwate, Japonia, 2010, <a href="#">Dovada</a> , <a href="#">Link Web of Science</a>	(25/[4])	6.25
16. Chicos, L. A., Oancea, Gh., Lancea, C., Băncila D., Software System of Integrated and Simultaneous Engineering Proceedings of the 10th WSEAS International Conference on APPLIED COMPUTER SCIENCE (ACS'10), Iwate Prefectural University, Published by World Scientific and Engineering Academy and Society (WSEAS) Press, pp. 238-241, (ISSN: 1792-4863, ISBN: 978-960-474-231-8 – ISI Proceedings ), Iwate, Japonia, 2010, <a href="#">Dovada</a> , <a href="#">Link Web of Science</a>	(25/[4])	6.25
17. Oancea, Gh., Chicos, L. A., Lancea, C., Cost Estimating Method of Industrial Product Implemented in WinCOST Software System, 3rd WSEAS International Conference on ENGINEERING MECHANICS, STRUCTURES, ENGINEERING GEOLOGY (EMESEG '10), International Conference on Geography and Geology 2010 (WORLDGEO '10), Published by WSEAS Press, pp. 148-151, ISSN: 1792-4294, ISBN: 978-960-474-203-5, Corfu Island, Greece July 22-24, 2010, <a href="#">Dovada</a> , <a href="#">Link Web of Science</a>	(25/[3])	8.333
18. Lancea, C., Oancea, Gh., Chicos, L. A., Stamate, V., Simultaneous Engineering within CNC Turning of Adapting Pipe Parts (2009). Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, 25-28th November 2009, Volume 20, No.1, pp. 229-230, ISBN 978-3-901509-70-4, ISSN 1726-9679, Editor B. Katalinic, Published by DAAAM International, Vienna, Austria, 2009, <a href="#">Dovada</a> , <a href="#">Link Web of Science</a>	(25/[4])	6.25
19. Chicoș, L.A., Oancea, Gh., Lancea, C., Vasiloni, A.M., Simultaneous Approach of CAD and CAM Technologies using Constructive-Technological Entities, Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, 25-28th November 2009, Volume 20, No.1, pp.377-378, ISBN 978-3-901509-70-4, ISSN 1726-9679, Editor B. Katalinic, Published by DAAAM International, Vienna, Austria, 2009, <a href="#">Dovada</a> , <a href="#">Link Web of Science</a>	(25/[4])	6.25


<p>20. Oancea, Gh., Chicoș, L.A., Ivan, N.V., <b>Lancea, C.</b>, Automatic Obtaining of Aligned Sectional Views in AutoCAD Layouts, Annals of DAAAM for 2009 &amp; Proceedings of the 20th International DAAAM Symposium, 25-28th November 2009, Volume 20, No.1, pp.167-168, ISBN 978-3-901509-70-4, ISSN 1726-9679, Editor B. Katalinic, Published by DAAAM International, Vienna, Austria, 2009,</p> <p><a href="#">Dovada. Link Web of Science</a></p>	(25/[4])	6.25
<p>21. Oancea, Gh., Chicoș, L.A., <b>Lancea, C.</b>, Intelligent AutoCAD Objects Used for CAD/CAPP/CAM Systems, Proceedings of the 1st WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems, Brasov, Romania, Published by World Scientific and Engineering Academy and Society (WSEAS) Press, Vol.2, pp. 401-405, (ISSN 1790-2769 – ISI Proceedings), Brasov, Romania, 2009,</p> <p><a href="#">Dovada. Link Web of Science</a></p>	(25/[3])	8.333
<p>22. Oancea, G.; Chicos, L.A.; Ivan, N.V., <b>Lancea, C.</b>, (2008). Software Package for Extended Data Storage of Autocad Solids (2008). 0981-0982, Annals of DAAAM for 2008 &amp; Proceedings of the 19th International DAAAM Symposium, ISBN 978-3-901509-68-1, ISSN 1726-9679, pp 491, Editor B. Katalinic, Published by DAAAM International, Vienna, Austria, 2008 Systems and Solutions, ISSN: 17269679, 2008,</p> <p><a href="#">Dovada. Link Web of Science</a></p>	25/[4]	6.25
<p>23. Stamate, V.; Chicos, L.A.; Oancea, G. &amp; <b>Lancea, C.</b> (2008). Barothermopolymerization Apparatus with Electromagnetic Induction (2008). 1285-1286, Annals of DAAAM for 2008 &amp; Proceedings of the 19th International DAAAM Symposium, ISBN 978-3-901509-68-1, ISSN 1726-9679, pp 643, Editor B. Katalinic, Published by DAAAM International, Vienna, Austria, 2008,</p> <p><a href="#">Dovada. Link Web of Science</a></p>	(25/[4])	6.25
<p>24. Stamate, V., <b>Lancea, C.</b>, Chicoș, L.A., Vasiloni, A.M., Oancea, Gh., Device for Prosthetic Dental Works, Proceedings of the 1st WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems, Brasov, Romania, Published by World Scientific and Engineering Academy and Society (WSEAS) Press, Vol.2, pp. 436-439, (ISSN 1790-2769 – ISI Proceedings), Brasov, Romania, 2009,</p> <p><a href="#">Dovada. Link Web of Science</a></p>	(25/[5])	5
<p>25. <b>Lancea, C.</b>; Ivan, N.V.; Chicos, L.A. &amp; Oancea, G. (2008). Optimisation of CNC Milling Files since CAD Phases (2008). 0741-0742, Annals of DAAAM for 2008 &amp; Proceedings of the 19th International DAAAM Symposium, ISBN 978-3-901509-68-1, ISSN 1726-9679, pp 371, Editor B. Katalinic, Published by DAAAM International, Trnava, Slovakia, 2008</p> <p><a href="#">Dovada. Link Web of Science</a></p>	(25/[4])	6.25



	26. Stamate, V., Oancea, Gh., Chicoș, L.A., Lancea, C., Innovative technologies used in dental technique for obtaining mobile blunt teeth, Proceedings of The 15th International Conference Modern Technologies Quality and Innovation, Volume II, ISSN 2069-6736, pp. 1033 – 1036, 25-27 May, Chisinau, Republica Moldova, 2011, <a href="#">Dovada. Link Web of Science</a>	(25/[4])	6.25
		TOTAL	77,916
2.2	<b>Articole in reviste si volumele unor manifestări științifice indexate în alte baze de date internaționale</b>	15/nr.de autori	
	1. Lancea, C., Pop, M. A., Zaharia, S. M., Chicos, L. A., Lancea, C., Stamate, V., Buican, G. R., Pascariu, I. S., <i>Effect of the infill patterns on the mechanical properties of the carbon fiber 3D printed parts</i> , IOP Conference Series: Materials Science and Engineering, 2022, 1235, 012006 Link articol: <a href="https://doi.org/10.1088/1757-899X/1235/1/012006">https://doi.org/10.1088/1757-899X/1235/1/012006</a>	(15 / [7])	2,14
	2. Buican, G. R., Zaharia, S. M., Pascariu, I. S., Chicos, L. A., Lancea, C., Pop, M. A., Stamate, V. M., <i>Development and Implementation of an Automated Pilot System for a Fixed-Wing Twin-Engine Airplane UAV</i> , Scientific Research & Education in the Air Force – AFASES, 2022, Vol. 2022, p151-160. 10p., ISSN: 2247-3173 Link articol: <a href="https://eds.s.ebscohost.com/abstract?site=eds&amp;scope=site&amp;irnl=22473173&amp;AN=160923827&amp;h=dsxPf5imYDCieuDIIE%2fQWdd9TmpHx%2b0mltfMo2rzH2ii37G5sn09EsfA%2fHMODMiArW568VYtUI%2bH7CW9Oven6g%3d%3d&amp;crl=f&amp;resultLocal=ErrCrInoResults&amp;resultNs=Ehost&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authvpe%3dcrawler%26irnl%3d22473173%26AN%3d160923827">https://eds.s.ebscohost.com/abstract?site=eds&amp;scope=site&amp;irnl=22473173&amp;AN=160923827&amp;h=dsxPf5imYDCieuDIIE%2fQWdd9TmpHx%2b0mltfMo2rzH2ii37G5sn09EsfA%2fHMODMiArW568VYtUI%2bH7CW9Oven6g%3d%3d&amp;crl=f&amp;resultLocal=ErrCrInoResults&amp;resultNs=Ehost&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authvpe%3dcrawler%26irnl%3d22473173%26AN%3d160923827</a>	(15 / [7])	2,14
	3. Buican, G. R., Zaharia, S. M., Pascariu, I. S., Chicos, L. A., Lancea, C., Pop, M. A., Stamate, V. M., <i>Mission Management for an Automated Pilot System Mounted on A Fixed-Wing Twin-Engine Airplane UAV</i> , Scientific Research & Education in the Air Force - AFASES . 2022, Vol. 2022, p161-166. 6p, ISSN: 2247-3173 Link articol: <a href="https://eds.s.ebscohost.com/abstract?site=eds&amp;scope=site&amp;irnl=22473173&amp;AN=160923828&amp;h=WSxgl8b1NBKUbEY%2biP%2b9XPd4TxorGgR0x42xniGZbv42xTW2sclpTel6%2fiNfivDK7XsYITHUWWD1NSEpbnZsIA%3d%3d&amp;crl=c&amp;resultLocal=ErrCrInoResults&amp;resultNs=Ehost&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authvpe%3dcrawler%26irnl%3d22473173%26AN%3d160923828">https://eds.s.ebscohost.com/abstract?site=eds&amp;scope=site&amp;irnl=22473173&amp;AN=160923828&amp;h=WSxgl8b1NBKUbEY%2biP%2b9XPd4TxorGgR0x42xniGZbv42xTW2sclpTel6%2fiNfivDK7XsYITHUWWD1NSEpbnZsIA%3d%3d&amp;crl=c&amp;resultLocal=ErrCrInoResults&amp;resultNs=Ehost&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authvpe%3dcrawler%26irnl%3d22473173%26AN%3d160923828</a>	(15 / [7])	2,14
	4. Lancea, C., Stamate, V. M., Chicos, L. A., Zaharia, S. M., Pop, M. A., Pascariu, I. S., Buican, G. R., <i>Design and additive manufacturing of brushless electric motor components</i> , MATEC Web Conf., 2021, Volume 343 Link articol: <a href="https://doi.org/10.1051/mateconf/202134301007">https://doi.org/10.1051/mateconf/202134301007</a>	(15 / [7])	2,14

	5. <b>Lancea, C.</b> , Zaharia S., Pop M. and Buican G., The heat treatment influence on microstructure and mechanical properties of TiAl6V4 parts manufactured by SLM, IOP Conference Series: Materials Science and Engineering, Volume 1009, 2021, 012029 <a href="#">Dovada</a> , <a href="#">Link IOP Conference Series</a>	(15 / [4])	3.75
	6. Zaharia, S. M., <b>Lancea, C.</b> , Chicos L. A., CAPUTO G., Behaviour and Mean Life Prediction of Solar Mirrors from Parabolic Trough Collectors under Accelerated Degradation/Reliability Testing, Jurnal BDI: Applied Mechanics and Materials, Vol. 656, pp. 442-449, ISSN web: 1662-7482, 2014, <a href="#">Dovada</a> , <a href="#">Link Scientific.Net</a>	(15 / [4])	3.75
	7. Stamate, V., Chicos, L.A., Caputo, G., <b>Lancea, C.</b> , Using Galvanofarming Technology for Obtaining Coating Dental Crowns, Academic Journal of Manufacturing Engineering (AJME),Vol.10, Issue 3/2012, pp. 109-112, ISSN 1583-7904, Timișoara, România, 2012, <a href="#">Dovada</a> , <a href="#">Link EBSCO</a>	(15 / [4])	3.75
	8. <b>Lancea, C.</b> , Stamate, V., Chicos, L.A., Oancea, G., CAD System for Modeling the Physiognomic Surface of the Side Group Teeth, Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, ISBN 978-3-901509-83-4, ISSN 1726-9679, pp. 0431-0432, Editor Branko Katalinic, Published by DAAAM International, Vienna, Austria 2011, <a href="#">Dovada</a> , <a href="#">Link Scopus</a>	(15 / [4])	3.75
	9. Buican G. R., Oancea Gh., <b>Lancea, C.</b> , Pop M. A., Influence of Layer Thickness on Internal Structure of Parts Manufactured from 316-L Steel Using SLM Technology, Jurnal BDI: Applied Mechanics and Materials, Vol. 809-810, pp. 369-374, ISSN web: 1662-7482, 2015, <a href="#">Dovada</a> , <a href="#">Link ProQuest</a>	(15 / [4])	3.75
	10. Buican G. R., Oancea Gh., <b>Lancea, C.</b> , Pop M. A., Some Considerations Regarding Micro Hardness of Parts Manufactured from 316-L Steel Using SLM Technology, Jurnal BDI: Applied Mechanics and Materials, Vol. 760, pp. 515-520, ISSN web: 1662-7482, 2015 <a href="#">Dovada</a> , <a href="#">Link ProQuest</a>	(15 / [4])	3.75
	11. <b>Lancea, C.</b> , Chicos, L.-A., Zaharia S. and Pop M., Microstructure and micro-hardness analyses of titanium alloy Ti-6Al-4V parts manufactured by selective laser melting, MATEC Web of Conferences eISSN: 2261-236X, Volume 94, Article Number 03009, 2017. <a href="#">Dovada</a> , <a href="#">Link MATEC Web of Conferences</a>	(15/[4])	3.75
	TOTAL	34.81	

2.3.1	Articole in extenso în volumele unor manifestări științifice naționale/internaționale neindexate (max. 2 articole la aceeași ediție)	4/nr. de autori (pentru reviste)	
	1. Lancea, C., Stamate, V., CAD-CAM Solutions for CNC Milling of 3d Surfaces using FASC-14 Software System, Tehnologia Inovativa, pp. 98-104, ISSN 2248 - 0420; ISSN-L 2248 – 0439, Anul 66, Nr. 3-4, 2014 pp. 98-105, ISSN 2248 - 0420 <a href="#">Dovada. Link Jurnal Tehnologia Inovativă</a>	(4 / [2])	2
	2. Stamate, V., Lancea, C., CAD-CAM Innovative Technologies In Dentistry and Dental Technique, Tehnologia Inovativa, pp. 42-49, ISSN 2248 - 0420; ISSN-L 2248 – 0439, Anul 66, Nr. 3-4, 2014 Romania <a href="#">Dovada. Link Jurnal Tehnologia Inovativă</a>	(4 / [2])	2
	3. Lancea, C., CNC Milling Of Closed Contours Using Faci-13 Software System, Tehnologia Inovativa, pp. 21-26, ISSN 2248 - 0420; ISSN-L 2248 – 0420, Anul 65, Nr. 3-4, 2013 Romania. <a href="#">Dovada. Link Jurnal Tehnologia Inovativă</a>	(4 / [1])	4
	4. Pescaru, R., Ivan, N. V., Lancea, C., Oancea, Gh., The Reverse Engineering Technique Starting from Turning CN File, Academic Journal of Manufacturing Engineering, Suppliment Volume 6, nr.4/2008, Editura Politehnica Timișoara, p. 125-132, ISSN: 1583-7904. <a href="#">Dovada. Link articol</a>	(4/ [4])	1
	5. Lancea, C., CNC Milling of Spiral Shape Contours Using FACS-15 Software System, Tehnologia Inovativa, pp. 10-16, ISSN 2248 - 0420; ISSN-L 2248 – 0439, Anul 67, Nr. 4 , 2015, <a href="#">Dovada. Link Jurnal Tehnologia Inovativă</a>	(4/ [1])	4
	6. Oancea, Gh., Pârv, L., Oancea, C., Lancea, C., The WINCOST Software used for Cost Estimating of Industrial Products with High Level of Customization, Proceeding of the 12th International Conference on Tools ICT-2007, University of Miskolc, 6-8 sept, Miskolc, Ungaria, 2007, p.381-386, ISSN:1215-0851 <a href="#">Dovada</a>	(4 / [4])	1
	7. Chicoș, L. A., Ivan, N. V., Lancea, C., Drăgoi, M. V., Technological Processor Developed within AutoCAD/VisualLISP Environment, Proceeding of the 12th International Conference on Tools ICT-2007, University of Miskolc, 6-8 sept, Miskolc, Ungaria, 2007, p.77-82, ISSN:1215-0851 <a href="#">Dovada</a>	(4/ [4])	1
	8. Lancea, C., Ivan, N. V., Chicoș, L. A., Oancea, G. Study about Auxiliary Billet Attaching and Releasing Time within Milling Operations, Conferința Științifică Internațională TMCR2007, Universitatea Tehnică a Moldovei, Chișinău, 31 mai – 03 iunie 2007, p. 263-266, ISBN: 9975-9775-8-3 <a href="#">Dovada</a>	(4 / [4])	1


	<p>9. Chicos, L. A., Morariu, C., <b>Lancea, C. L.</b>, Oancea, G., Modeling of the Additional Time for the Cost Estimating on the Turning Machining, 6th International Conference "Research and Development in Mechanical Industry", RaDMI 2006, Budva, Serbia and Montenegro, 13 - 17 September 2006, lucrare publicata pe CD, p. 1-7, ISBN 86-83803-21-X (HTMS)</p> <p><a href="#">Dovada</a></p>	(4 / [4])	1
	<p>10. <b>Lancea, C.</b>, Udriou, R., Determining the CNC Path when Milling Complex Shape Pockets with Horizontal Bottom Side Conferința Științifică Internațională TMCR, Universitatea Tehnică a Moldovei, Chișinău, 19-21 mai 2005, p. 833-836, ISBN: 9975-9775-8-3</p> <p><a href="#">Dovada</a></p>	(4 / [2])	2
	<p>11. Udriou, R. <b>Lancea, C.</b>, Automatic Assistance to the Development of Machining process. Software Tool AsistGPM, Conferința Științifică Internațională TMCR Universitatea Tehnică a Moldovei, Chișinău, 19-21 mai 2005, p 413-416, ISBN: 9975-9875-7-5</p> <p><a href="#">Dovada</a></p>	(4 / [2])	2
	<p>12. <b>Lancea, C.</b>, Udriou, R., A Computer Simulation Program for NC Milling of 3D Parts, First international conference "Mechanics and Machine Elements", Technical University of Sofia, Bulgaria, 4-6 november 2004, p. 200-203, ISBN: 954-580-173-5</p> <p><a href="#">Dovada</a></p>	(4 / [2])	2
	<p>13. <b>Lancea, C.</b>, Udriou, R., Cutting parameters calculus in milling machining process. Case study, First international conference "Mechanics and Machine Elements", Technical University of Sofia, Bulgaria, 4-6 november 2004, p. 193-199, ISBN: 954-580-173-5.</p> <p><a href="#">Dovada</a></p>	(4 / [2])	2
	<p>14. <b>Lancea, C.</b>, CAD Solutions for NC Milling - Fasc-2000 Software – part1, The 1st International Conference on Computing and Solutions in Manufacturing Engineering - CoSME'04, Brașov-Sinaia, 16-18 sept., 2004, Universitatea TRANSILVANIA din Brașov, p. 198-201, ISBN 973-635-373-7</p> <p><a href="#">Dovada</a></p>	(4 / [1])	4
	<p>15. <b>Lancea, C.</b>, CAM Solutions for NC Milling - Fasc-2000 Software – part2, The 1st International Conference on Computing and Solutions in Manufacturing Engineering - CoSME'04, Brașov-Sinaia, 16-18 sept., 2004, Universitatea TRANSILVANIA din Brașov, p. 202-205, ISBN 973-635-373-7</p> <p><a href="#">Dovada</a></p>	(4 / [1])	4
	<p>16. Pescaru-Folosea, R., Ivan, N. V., Oancea, Gh., <b>LANCEA, C.</b>, The Use of Reverse Engineering Technique in the CAD/CAM Technology, Annals of MTeM for 2007 &amp; Proceedings of the 8 th International Conference Modern Technologies in Manufacturing, 4th – 5th October 2007, Technical University of Cluj-Napoca, p. 363 – 366, ISBN 973-9087-83-3</p> <p><a href="#">Dovada</a></p>	(4 / [4])	1

	17. <b>Lancea, C.</b> , Ivan N. V., Chicoș L. A., Oancea, Gh. Auxiliary Time Determining Software for Gear-Cutting Operations, The 8th International Conference Modern Technologies in Manufacturing Mtem-2007, 3-6 oct. 2007, Universitatea Tehnică din Cluj-Napoca, p.247-250, ISBN 973-9087-83-3 <a href="#">Dovada</a>	(4 / [4])	1
	18. Oancea Gh., Ivan N.V., <b>Lancea, C.</b> , Oancea C. The Winfp2006 System Used for Profiled Gang Cutter Design, The 8th International Conference Modern Technologies in Manufacturing Mtem-2007, 3-6 oct. 2007, Universitatea Tehnică din Cluj-Napoca, p.327-332, ISBN 973-9087-83-3 <a href="#">Dovada</a>	(4 / [4])	1
	19. Udroui, R. <b>Lancea, C.</b> , The Cutting Force Dispersion According to Milling Speed, Proceedings of the Second International Conference on Challenges in Higher Education and Research in the 21st Century, Technical University of Sofia - Sozopol, Bulgaria, 2-5 iunie, 2004, p. 221-224, ISBN: 954-580-158-1 <a href="#">Dovada</a>	(4 / [2])	2
	20. Folea, M., Lupulescu, N.B., <b>Lancea, C.</b> , Economical Impact of Using High Speed Milling Machines, Conferința Științifică Internațională TMCR, Universitatea Tehnică a Moldovei, Chișinău, Moldova 29 mai – 1 iunie, 2003, p. 109-112, ISBN 9975-9748-1-3 <a href="#">Dovada</a>	(4 / [3])	1.333
	21. Ivan, N. V., Müller, R., <b>Lancea, C.</b> , Un processeur technologique en régime de dialogue, Conferința Științifică Internațională TMCR, Universitatea Tehnică a Moldovei, Chișinău, Moldova 29 mai – 1 iunie, 2003, p. 406-409, ISBN 9975-9748-3-X <a href="#">Dovada</a>	(4 / [3])	1.333
	22. Oancea, G., <b>Lancea, C.</b> , Ivan, M. C., Etape de proiectare a jocurilor de freze profilate cu sistemul WINFP-2002, Conferința Științifică Internațională TMCR, Universitatea Tehnică a Moldovei, Chișinău, Moldova, 29 mai – 1 iunie, 2003, p. 446-449, ISBN 9975-9748-3-X <a href="#">Dovada</a>	(4 / [3])	1.333
	23. <b>Lancea, C.</b> , Oancea, G., Folea, M., Computer Aided Establish of Optimal Milling Radius Regarding 3D Surfaces CNC Milling, Conferința Științifică Internațională TMCR, Universitatea Tehnică a Moldovei, Chișinău, Moldova, 29 mai – 1 iunie, 2003, p. 450-453, ISBN 9975-9748-3-X <a href="#">Dovada</a>	(4 / [3])	1.333
	24. <b>Lancea, C.</b> , IVAN, N. V., MÜLLER, R., Study about the Manufacturing of Complex Surfaces - Cutting Parameters, Proceedings of the 5 th International MTeM Symposium Published by MTeM 2001, Universitatea Tehnică din Cluj-Napoca, Cluj-Napoca, 4-6 oct., 2001, p. 293-296, ISBN 973-85354-1-7 <a href="#">Dovada</a>	(4 / [3])	1.333

	25. Ivan, N. V., Lancea, C., Müller, R., About the Computer Aided Technological Preparation, Proceedings of the 5 th International MTeM Symposium Published by MTeM 2001, Universitatea Tehnică din Cluj-Napoca, p. 263-266, ISBN 973-85354-1-7 <a href="#">Dovada</a>	(4 / [3])	1.333
	26. Lancea, C., Ivan, N. V., Zamfir, N. C., Modul CAM privind prelucrarea suprafețelor complexe pe mașini de frezat CN, Conferința Științifică Internațională TMCR, Universitatea Tehnică a Moldovei, Chișinău, Moldova, 23-25 mai, 2001, p. 130-133, ISBN 9975-9638-4-6 <a href="#">Dovada</a>	(4 / [3])	1.333
	27. Ivan, N. V., Zamfir, N. C., Lancea, C., Bază de date pentru proiectarea tehnologică, Conferința Științifică Internațională TMCR, Universitatea Tehnică a Moldovei, Chișinău, Moldova, 23-25 mai, 2001, p. 126-129, ISBN 9975-9638-4-6 <a href="#">Dovada</a>	(4 / [3])	1.333
	28. Ivan, N. V., Lancea, C., Müller, R., Proiectarea asistată de calculator a parametrilor de exploatare a sculelor destinate prelucrării C.N. a suprafețelor complexe, A VIII-a Conferință Internațională de Inginerie Managerială și Tehnologică, Vol. 1, Universitatea "Politehnica" Timișoara, 28-30 mai, 1998, p. 389-396, ISBN 973-0-00596-6 <a href="#">Dovada</a>	(4 / [3])	1.333
	29. Nedelcu, A., Lancea, C., Sistem de proiectare tehnologică asistată de calculator, Buletinul sesiunii de comunicări științifice TEHNOMUS, Suceava, 30-31 mai, 1997, p. 265-272, ISBN 973-97787-7-1 <a href="#">Dovada</a>	(4 / [2])	2
	30. Nedelcu, A., Lancea, C., Modelarea matematică a datelor tehnologice, Buletinul sesiunii de comunicări științifice TEHNOMUS, Suceava, 30-31 mai, 1997, p. 273-278, ISBN 973-97787-7-1 <a href="#">Dovada</a>	(4 / [2])	2
	31. Udriou, R. Lancea, C., Determination of Virtual Cutting Tools in Finishing Milling Process, Challenges in Higher Education and Research in the 21st Century, Sozopol, Bulgaria, 2-5 iunie, 2004, p. 222, ISBN 954-580-158-1 <a href="#">Dovada</a>	4/2	2
		TOTAL	56
2.5.1.1	<b>Granturi/proiecte internationale castigate prin competitie Director/ Responsabil</b>	<b>20*valoare/(10mii€)</b>	
	1. <i>Microstructural Analyses on Selective Laser Melted Inconel 718 As-built and Heat Treated</i> , grant de cercetare și inovare ESTEEM3 din cadrul proiectului Horizon 2020 nr. 823717, anul 2021, <b>valoare: 13.206 Euro</b> <a href="#">Dovada</a>	20*13206/10000)	26.41
	2. <i>Researches about the Corrosion Resistance of Different Materials used for Building Sustainable Energy Systems</i> , Grant internațional de cercetare SFERA nr. P13042500040296, European Commission grant agreement nr. 228296, anul 2013, <b>valoare:12.003 Euro</b> <a href="#">Dovada</a>	(20*12003/10000)	24.01
		TOTAL	50.42

2.5.1.2	Granturi/proiecte nationale castigate prin competitie sau contracte cu mediul socio-economic (în valoare de min 25000 lei) Director/ Responsabil	10*valoare/(10mii€)	
	1. Învățarea și înțelegerea tehnicilor de fabricație prin Topire Selectivă cu Laser (SLM) cu scopul dobândirii competențelor necesare exploatării mașinii SLM250HL la un nivel avansat, proiect UEFISCDI - PNIII, numar contract: PN-III-P1-1.1-MC-2017- 0391 20172018 Nr ani derulare:1, Valoare:3610 Euro <a href="#">Dovada</a>	(10*3610/10000)	3.61
		<b>TOTAL</b>	<b>3.61</b>
2.5.2.1	Granturi/proiecte internationale castigate prin competitie Membru in echipa	4*nr.ani participare în proiect	
	1. Microstructural studies on Selective Laser Melting Ti6Al4V heat treated using Concentrated Solar Energy (MiSLMCoSE), numar contract: 823717, 2020-2020, Nr ani derulare:1, valoare: 20652.55 Euro, Director: șef lucr. dr. ing. Lucia-Antoneta CHICOȘ <a href="#">Dovada</a>	(4*[1])	4
	2. Using Concentrated Solar Energy for Heat Treatment of Selective Laser Melted Ti6Al4V, numar contract:P1702060268, 20172017, Nr ani derulare:1, valoare:5.680 Euro, Director: șef lucr. dr. ing. Lucia-Antoneta CHICOȘ <a href="#">Dovada</a>	(4*[1])	4
	3. Behaviour and Lifetime Prediction of Materials for Renewable Energy Systems under Accelerated Reliability Testing, numar contract: Ref. P12030800040257 European Commission grant agreement nr. 228296 20122012, Nr ani derulare:1, Director: șef lucr. dr. ing. Sebastian-Marian ZAHARIA <a href="#">Dovada</a>	(4*[1])	4
	4. Centrul de evaluări economice și dezvoltări privind tehnologiile informatizate, Contract cu Banca Mondială, numar contract:12838/1998-2002 (finanțare începută în 2000, contract finalizat în 2002), Cod CNFIS: 2MU201108 20002002 Nr ani derulare:3 <a href="#">Dovada</a>	(4*[3])	12
		<b>TOTAL</b>	<b>24</b>




2.5.2.2	Granturi/proiecte nationale castigate prin competitie sau contracte cu mediul socio-economic (în valoare de min 25000 lei) Membru in echipa	2*nr.ani participare în proiect	
	1. Model experimental de avion fără pilot din materiale compozite fabricate prin tehnologii aditive, Proiect Experimental Demonstrativ (PED), Cod: PN-III-P2-2.1-PED-2019-0739, Contract Nr.: 413PED/2020, Durata contractului: 01.11.2020 – 31.10.2022, Buget: 600.000 RON, Nr ani derulare: 2 Dovada: <a href="https://cuav.unitbv.ro/">https://cuav.unitbv.ro/</a>	(2*[2])	4
	2. Sisteme expert de optimizare a proceselor tehnologice (Expert System For Optimisation Of Technological Processes-ESOP), numar contract:71-133 /18.09.2007, 2007-2010, Nr ani derulare: 3 Dovada	(2*[3])	6
	3. PLATformă pentru DEzvoltări Tehnologice INOvative (PLADETINO). Program CNCSIS de tip platformă, numar contract:13/2008, Cod CNCSIS 78 perioada :2006-2008, Nr ani derulare: 2 Dovada	(2*[2])	4
	4. Rețea de fabricație inovativă (IMAM – Innovative Manufacturing Network), Contract de cercetare de tip CEEX, numar contract: 41 / 07.10.2005 (înregistrat la MEdC), nr. 54 / 3.10.2005, (înregistrat la Universitatea „TRANSILVANIA” din Brașov), 2005-2008, Nr ani derulare:3 Dovada	(2*[3])	6
	5. Managementul informațiilor si dezvoltarea de software autohton in ingineria produselor conform conceptului de productică, Faza CAD, număr contract: Tema nr.5, Ordinul MEC nr. 27684/2005, cod CNCSIS: 1021, Nr ani derulare:1 Dovada	(2*[1])	2
	6. Managementul informațiilor si dezvoltarea de software autohton in ingineria produselor conform conceptului de productică, Faza CAM, număr contract: Tema nr.8, Ordinul MEC nr. A1 /GR106-2006, cod CNCSIS: 1021, Nr ani derulare:1 Dovada	(2*[1])	2
	7. Centru de evaluări economice și dezvoltări privind tehnologiile informatizate, număr contract: Program cu Banca Mondială nr. 12838/1998, 2000-2002, Nr ani derulare:2 Dovada	(2*[2])	4
	8. Realizarea și experimentarea unui nou tip de portsculă destinată prelucrărilor cu avansuri circulare, număr contract: Nr. 38 / 1998-tema 9, Cod CNCSU 368, 1998-1999, Nr ani derulare:1 Dovada	(2*[1])	2
	9. Optimizări, testări și execuție de repere prototip din industria auto, nr. contract: 16830/30.10.2012, 2012-2014, Nr ani derulare:3 Dovada	(2*[3])	6




	10. Sisteme CAD/CAM pentru strunjire și frezare – faza I, Modulul CAD numar contract:CNCSIS A 11/614 20022003 Nr ani derulare: 2, Valoare:14200 lei <a href="#">Dovada</a>	(2*2)	4
	11. Software de estimare a costurilor de prelucrare a produselor cu grad inalt de personalizare numar contract:A1/GR106-19.05.2006, Tema 8, Cod CNCSIS A428, , 2006 Cod CNCSIS 78 20062007 Nr ani derulare:2, Valoare:10899 lei – Director științific: Camil Lancea <a href="#">Dovada</a>	(2*[1])	2
	12. Software de estimare a costurilor de prelucrare a produselor cu grad inalt de personalizare -2007 numar contract:A1/GR89/22.05.2007, Tema 11, Cod CNCSIS A428, 2007 20072008 Nr ani derulare:1 Valoare:10355 lei <a href="#">Dovada</a>	(2*[1])	2
	13. Sisteme CAD/CAM pentru strunjire și frezare – faza a II-a, Modulul CAM numar contract:33253/2003 -tema 12, Cod CNCSIS: 609 20032004 Nr ani derulare:1 Valoare:14200 lei – Director tehnic: Camil Lancea <a href="#">Dovada</a>	(2*[1])	2
	14. Particularitățile prelucrărilor cu avansuri circulare, soluții tehnice și pachete de programe aferente, faza I. Contract de cercetare științifică Nr. 7005/ 1997-tema 3, cod CNCSU 1330, valoare 9 milioane lei <a href="#">Dovada</a>	(2*[1])	2
		<b>TOTAL</b>	<b>48</b>
2.6	Coordonare/ dezvoltare laborator/ centru cercetare (daca laboratorul este si didactic, punctajul se ia în calcul o singura data) Responsabil		40
	1. Laborator de Tehnologii integrate Secțiunea Tehnologii inovative în sănătate 2008-2015 <a href="#">Dovada</a>	(40)	40
	2. Laborator CAD CAM si Management Electronic al Datelor, 2018-prezent <a href="#">Dovada</a>	(40)	40
		<b>TOTAL</b>	<b>80</b>
	<b>TOTAL A2</b>		<b>504,4</b>


## A3. Recunoașterea impactului activității


Tip Criteriu	Criteriu / Descriere	Formula	Punctaj
3.1.1	Citări in articole indexate ISI (82 citări Dovada)	10/nr. autori articol citat	
	Articol citat	Articol care citează	
	1. Lancea, C.; Campbell, I.; Chicos, L.-A.; Zaharia, S.-M. Compressive Behaviour of Lattice Structures Manufactured by Polyjet Technologies, Jurnalul <i>Polymers</i> 2020, 12, 2767 <a href="#">Dovada</a>	1. Mora, S, Pugno, NM, Misseroni, D <i>3D printed architected lattice structures by material jetting</i> , Oct 2022, <b>Materials Today Journal</b> <a href="#">Dovada</a>	10/4 2.5
		2. Serban, DA; Cosa, AV; ...; Negru, R, <i>Failure Locus of an ABS-Based Compound Manufactured through Photopolymerization</i> , Sep 2022, 14 (18), <b>Polymers Journal</b> <a href="#">Dovada</a>	10/4 2.5
		3. Alkentar, R; Mate, F and Mankovits, T, <i>Investigation of the Performance of Ti6Al4V Lattice Structures Designed for Biomedical Implants Using the Finite Element Method</i> , Sep 2022, 15 (18), <b>Materials Journal</b> <a href="#">Dovada</a>	10/4 2.5
		4. Yang, L; Li, Y; ...; Shi, YS, <i>Topologically optimized lattice structures with superior fatigue performance</i> , Dec 2022, <b>International Journal of Fatigue</b> <a href="#">Dovada</a>	10/4 2.5
		5. Patpatiya, P; Chaudhary, K; ...; Sharma, S, <i>A review on polyjet 3D printing of polymers and multi-material structures</i> , Jul 2022, <b>Journal of Mechanical Engineering Science</b> <a href="#">Dovada</a>	10/4 2.5
		6. Boiko, YM, <i>Statistical elastic and fracture mechanical properties of quasi-brittle and ductile amorphous polymers</i> , Feb 2023, 80 (2), <b>Polymer Bulletin</b> <a href="#">Dovada</a>	10/4 2.5
		7. Gulcan, O; Gunaydin, K and Tamer, A, <i>The State of the Art of Material Jetting-A Critical Review</i> , Aug 2021, 13 (16), <b>Polymers Journal</b> <a href="#">Dovada</a>	10/4 2.5

<p>2. Zaharia, S.M., Chicos, L. A., Lancea, C., Pop M.A., Effects of Homogenization Heat Treatment on Mechanical Properties of Inconel 718 Sandwich Structures Manufactured by Selective Laser Melting, Jurnalul Metals 2020, Volume 10, Issue 5, 645</p> <p><a href="#">Dovada</a></p> 	<p>8. Silva, R G; Torres, M J and Vinuela, J Z, <i>A Comparison of Miniature Lattice Structures Produced by Material Extrusion and Vat Photopolymerization Additive Manufacturing</i>, Jul 2021, 13 (13), <b>Polymers Journal</b></p> <p><a href="#">Dovada</a></p>	10/4	2.5
	<p>9. Silva, R G; Estay, C S; ...; Torres, M J, <i>Influence of Geometric and Manufacturing Parameters on the Compressive Behavior of 3D Printed Polymer Lattice Structures</i>, Mar 2021, 14 (6), <b>Materials Journal</b></p> <p><a href="#">Dovada</a></p>	10/4	2.5
	<p>1. Wang, Y; Yu, Z Y; ...; Liu, Y, <i>Simultaneously Improving Microstructures and Wear Properties of Ni60 Coating by Heat Treatment</i>, Aug 2022, 12 (8), <b>Metals Journal</b></p> <p><a href="#">Dovada</a></p>	10/4	2.5
	<p>2. Ramiro, P; Galarraga, H; ...; Ukar, E, <i>Effect of Heat Treatment on the Microstructure and Hardness of Ni-Based Alloy 718 in a Variable Thickness Geometry Deposited by Powder Fed Directed Energy Deposition</i>, Jun 2022, 12 (6) <b>Metals Journal</b></p> <p><a href="#">Dovada</a></p>	10/4	2.5
	<p>3. Volpato, GM; Tetzlaff, U and Fredel, MC, <i>A comprehensive literature review on laser powder bed fusion of Inconel superalloys</i>, Jul 2022, <b>Additive Manufacturing Journal</b></p> <p><a href="#">Dovada</a></p>	10/4	2.5
	<p>4. Fe-Perdomo, I L; Ramos-Grez, J A; ...; Mujica, R A, <i>Selective laser melting: lessons from medical devices industry and other applications</i>, Nov 18 2021, 27 (10), <b>Rapid Prototyping Journal</b></p> <p><a href="#">Dovada</a></p>	10/4	2.5
	<p>5. Bassini, E; Marchese, G and Aversa, A, <i>Tailoring of the Microstructure of Laser Powder Bed Fused Inconel 718 Using Solution Annealing and Aging Treatments</i>, Jun 2021, 11 (6), <b>Metals Journal</b></p> <p><a href="#">Dovada</a></p>	10/4	2.5

<p>3. Chicos, L. A., Campbell, I., Zaharia, S.M., Pop M.A., Lancea, C. Semenescu, A., Florea, B., Oana R., Chivu O. R., Experimental and Finite Element Analysis of the Open-Cells Porous Materials Subjected to Compression Mechanical Loading, Revista: Materiale Plastice, ISSN 0025 / 5289, Volume 56, Issue 2, 2019, pp. 421-425</p> <p><a href="#">Dovada</a></p> 	<p>6. Lancea, C; Campbell, I; ...; Zaharia, S M, <i>Compressive Behaviour of Lattice Structures Manufactured by Polyjet Technologies</i>, Dec 2020, 12 (12) <b>Polymers Journal</b></p> <p><a href="#">Dovada</a></p>	10/4	2.5
	<p>7. Min, M; Ding, S T; ...; Zhou, Y, <i>Investigation of the Effects of an Intense Pulsed Ion Beam on the Surface Melting of IN718 Superalloy Prepared with Selective Laser Melting</i>, Sep 2020, 10 (9), <b>Metals Journal</b></p> <p><a href="#">Dovada</a></p>	10/4	2.5
	<p>8. Zaharia, S M; Enescu, L A and Pop, M A, <i>Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing</i>, Aug 2020, 12 (8), <b>Polymers Journal</b></p> <p><a href="#">Dovada</a></p>	10/4	2.5
	<p>1. Bucur, F; Pascu, L; ...; Socalici, A, <i>Research on the Production of Composite Materials for Brake Shoes</i>, 2022, 84 (1), <b>University Politehnica of Bucharest Scientific Bulletin Series B - Chemistry and Materials Science Journal</b></p> <p><a href="#">Dovada</a></p>	10/9	1.111
	<p>2. Lupu, O; Ardelean, M; ...; Ardelean, E, <i>Research Regarding the Capitalization of The Waste Resulted from The Steel Industry</i>, 2021, 83 (1), <b>University Politehnica of Bucharest Scientific Bulletin Series B - Chemistry and Materials Science Journal</b></p> <p><a href="#">Dovada</a></p>	10/9	1.111
	<p>3. Mititelu, C; Hritac, M; ...; Pandelescu, C, <i>Analysis of The Recycling Possibilities of Ferrous Waste with Small Granulation in Cupolas Furnace</i>, 2020, 82 (3), <b>University Politehnica of Bucharest Scientific Bulletin Series B - Chemistry and Materials Science Journal</b></p> <p><a href="#">Dovada</a></p>	10/9	1.111


<p>4. Lancea, C., Chicos, L., Zaharia S. M., Pop M. A., Semencescu A., Florea B., Chivu, O, Accelerated Corrosion Analysis of AISi10Mg Alloy Manufactured by Selective Laser Melting (SLM), Revista de Chimie, ISSN:25375733, No. 4 / 2018, pp. 975-981</p> <p><a href="#">Dovada</a></p>	<p>1. Wang, Zhi; Ummethala, Raghunandan; Singh, Neera; et al., <i>Selective Laser Melting of Aluminum and Its Alloys</i>, Volume: 13, Issue: 20, Article Number: 4564, Published: OCT 2020, <b>Materials Journal</b></p> <p><a href="#">Dovada</a></p>	10/7	1.429
	<p>2. Berlanga-Labari, C.; Biezma-Moraleda, M., V; Rivero, Pedro J., <i>Corrosion of Cast Aluminum Alloys: A Review</i>, Volume: 10, Issue: 10, Article Number: 1384, Published: OCT 2020, <b>Metals Journal</b></p> <p><a href="#">Dovada</a></p>	10/7	1.429
	<p>3. Kong, Decheng; Dong, Chaofang; Ni, Xiaoqing; et al. <i>Corrosion of metallic materials fabricated by selective laser melting</i>, Volume: 3, Issue: 1, Article Number: 24, Published: JUN 11 2019, <b>Npj Materials Degradation Journal</b></p> <p><a href="#">Dovada</a></p>	10/7	1.429
<p>5. Zaharia S.M., Lancea, C., Chicos, L.-A., Pop M., Caputo G, Serra, E., Mechanical Properties and Corrosion Behaviour of 316l Stainless Steel Honeycomb Cellular Cores Manufactured by Selective Laser Melting, Transactions of FAMENA, ISSN1333-1124, issue 4, volume 41, No.4, Veljača 2018. pp. 11-24</p> <p><a href="#">Dovada</a></p>	<p>1. Omiyale, B O; Ogedengbe, I I; ...; Farayibi, P K, <i>Corrosion Performance of Wire Arc Additive Manufacturing of Stainless Steel: A Brief Critical Assessment</i>, Jan 2023, <b>3D Printing and Additive Manufacturing Journal</b></p> <p><a href="#">Dovada</a></p>	10/6	1.667
	<p>2. Chang, YB; Shiju, E; ...; Xu, ZS, Numerical simulation of continuous laser microdrilling of ultrathick aluminum honeycomb sandwich panels, Jan 2023, <b>International Journal of Advanced Manufacturing Technology</b></p> <p><a href="#">Dovada</a></p>	10/6	1.667
	<p>3. Yao, B B; Ye, R Y; ...; Liu, Y J, <i>Compressive properties and energy absorption of honeycomb filled square tubes produced by selective laser melting</i>, Jul 2022, <b>Materials Science and Engineering A-Structural Materials Properties Microstructure and Processing Journal</b></p> <p><a href="#">Dovada</a></p>	10/6	1.667
	<p>4. Urbanek, M; Hodek, J; ...; Dzugaň, J, <i>Prediction of Behaviour of Thin-Walled DED-Processed Structure: Experimental-Numerical Approach</i>, Feb 2022, 15 (3), <b>Materials Journal</b></p> <p><a href="#">Dovada</a></p>	10/6	1.667

	<p>5. Kucukturk, G, Akallalar, H, <i>Investigating the Effect Of Electron Beam Melting Parameters On The Ti6Al4v Alloy: A Simulation Study</i>, 2022, 46 (4), <b>Transactions of Famena Journal</b></p> <p><a href="#">Dovada</a></p>	10/6	1.667
	<p>6. Wei, Y F; Zhang, Y; ...; Shen, Y F, <i>Effects of different configurations and gradients on compression responses of gradient honeycombs via selective laser melting</i>, Jan 2022 <b>Thin-Walled Structures Journal</b></p> <p><a href="#">Dovada</a></p>	10/6	1.667
	<p>7. Melia, M A; Duran, J G; ...; Schindelholz, E J, <i>Marine Atmospheric Corrosion of Additively Manufactured Stainless Steels</i>, Sep 2021 77 (9), <b>Corrosion Journal</b></p> <p><a href="#">Dovada</a></p>	10/6	1.667
	<p>8. Balos, S; Rajnovic, D; ...; Pavlicevic, J, <i>Knoop hardness optimal loading in measuring microhardness of maraging steel obtained by selective laser melting</i>, May 2021, 235 (10), <b>Proceedings of The Institution of Mechanical Engineers Part C-Journal of Mechanical Engineering Science Journal</b></p> <p><a href="#">Dovada</a></p>	10/6	1.667
	<p>9. Ko, G; Kim, W; ...; Lee, TK, <i>The Corrosion of Stainless Steel Made by Additive Manufacturing: A Review</i>; Mar 2021, 11 (3) <b>Metals Journal</b></p> <p><a href="#">Dovada</a></p>	10/6	1.667
	<p>10. Zaharia, S M; Chicos, L A; ...; Pop, M A, <i>Effects of Homogenization Heat Treatment on Mechanical Properties of Inconel 718 Sandwich Structures Manufactured by Selective Laser Melting</i>; May 2020, 10 (5) <b>Metals Journal</b></p> <p><a href="#">Dovada</a></p>	10/6	1.667
	<p>11. Hussein, R; Anandan, S; (...); Walker, M, <i>Effective elastic moduli of metal honeycombs manufactured using selective laser melting</i>, Feb 7 2020, 26 (5), <b>Rapid Prototyping Journal</b></p> <p><a href="#">Dovada</a></p>	10/6	1.667

		<p>12. Balos, S; Rajnovic, D; ...; Dedic, M, <i>Vickers hardness indentation size effect in selective laser melted MS1 maraging steel</i>, May 2021,235 (10), <b>Proceedings of The Institution of Mechanical Engineers Part C- Journal of Mechanical Engineering Science</b>  <a href="#">Dovada</a></p>	10/6	1.667
		<p>13. Solic, T; Havrlisan, S; ...; Samardzic, I, <i>Statistical Analysis of Corrosion Process Flow</i>, Nov 2019, 26 (6), <b>Tehnicki Vjesnik-Technical Gazette</b>  <a href="#">Dovada</a></p>	10/6	1.667
		<p>14. Huang, M J; Zhang, Z X and Chen, P, <i>Effect of selective laser melting process parameters on microstructure and mechanical properties of 316L stainless steel helical micro-diameter spring</i>, Oct 2019, 104 (5-8), <b>International Journal of Advanced Manufacturing Technology</b>  <a href="#">Dovada</a></p>	10/6	1.667
	6.Chicos, L.-A., Zaharia S.M., Lancea, C., Pop M., Canadas I, Rodriguez J, Galindo J., Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting, Solar Energy Journal, Volume 173, 2018, pp. 76-88 <a href="#">Dovada</a>	<p>1. Lian, F J; Chen, L Q; ...; Zhu, J, <i>Selective Laser Melting Additive Manufactured Tantalum: Effect of Microstructure and Impurities on the Strengthening-Toughening Mechanism</i>, Apr 2023, 16 (8), <b>Materials Journal</b>  <a href="#">Dovada</a></p>	10/7	1.429
		<p>2. Liu, Y C; Xu, T W; ...; Cui, N, <i>Effect of Microstructural and Textural Anisotropy on the Tensile Properties of Selective Laser Melted and Annealed Ti6Al4VE Alloy</i>, May 2023, 25 (9), <b>Advanced Engineering Materials Journal</b>  <a href="#">Dovada</a></p>	10/7	1.429
		<p>3. Liu, Y C; Xu, T W; ...; Ji, H B, <i>Effect of annealing and build direction on microarc oxidation coatings and its apatite induction ability of Ti6Al4VE alloy manufactured by selective laser melting</i>, Nov 2022, <b>Journal of Materials Research</b>  <a href="#">Dovada</a></p>	10/7	1.429
		<p>4. Zhang, H W; Qin, W T; ...; Dong, C F, <i>Effect of heat treatment on microstructure and corrosion behavior of Ti6Al4V fabricated by laser beam powder bed fusion</i>, Dec 2022, <b>Corrosion Science Journal</b>  <a href="#">Dovada</a></p>	10/7	1.429


	<p>5. Cerri, E; Ghio, E and Bolelli, G, <i>Ti6Al4V-ELI Alloy Manufactured via Laser Powder-Bed Fusion and Heat-Treated below and above the beta-Transus: Effects of Sample Thickness and Sandblasting Post-Process</i>, Jun 2022, 12 (11), <b>Applied Sciences-Basel Journal</b></p> <p><a href="#">Dovada</a></p>	10/7	1.429
	<p>6. Pop, M A; Croitoru, C; (...); Chicos, L A, <i>The Influence of Solar Sintering on Copper Heat Exchanger Parts with Controlled 3D-Printed Morphology</i>, May 2022, 15 (9), <b>Materials Journal</b></p> <p><a href="#">Dovada</a></p>	10/7	1.429
	<p>7. Yan, X C; Yue, S J; ...; Yin, S, <i>Microstructural and mechanical optimization of selective laser melted Ti6Al4V lattices: Effect of hot isostatic pressing</i>, May 2022, <b>Journal of Manufacturing Processes</b></p> <p><a href="#">Dovada</a></p>	10/7	1.429
	<p>8. Chicos, L A; Zaharia, S M; (...); Lancea, C, <i>Effect of concentrated solar energy on microstructure evolution of selective laser melted Ti-6Al-4V alloy</i>, Feb 2022, 118 (9-10), <b>International Journal of Advanced Manufacturing Technology</b></p> <p><a href="#">Dovada</a></p>	10/7	1.429
	<p>9. Kovacic, J; Emmer, S; ...; Canadas, I, <i>Concentrated solar power used in preparation of Ti-B4C composites</i>, 8th International Conference on Advanced Materials and Structures, May 2021, <b>Materials Today-Proceedings</b></p> <p><a href="#">Dovada</a></p>	10/7	1.429
	<p>10. Gunasekaran, J; Sevel, P and Solomon, I J, <i>Metallic materials fabrication by selective laser melting: A review</i>, Feb 2021, International Conference on Newer Trends and Innovations in Mechanical Engineering (ICONTIME) - Materials Science <b>Materials Today-Proceedings</b></p> <p><a href="#">Dovada</a></p>	10/7	1.429



		11. Hamza, H M; Deen, K M; ...; Haider, W, <i>Microstructural, corrosion and mechanical properties of additively manufactured alloys: a review</i> , Jan 2 2022, 47 (1), <b>Critical Reviews in Solid State and Materials Sciences</b> <a href="#">Dovada</a>	10/7	1.429
		12. Lekoadi, P; Tlotleng, M; ...; Masina, B, <i>Evaluation of Heat Treatment Parameters on Microstructure and Hardness Properties of High-Speed Selective Laser Melted Ti6Al4V</i> , Feb 2021, 11 (2), <b>Metals Journal</b> <a href="#">Dovada</a>	10/7	1.429
		13. Ge, J G; Yan, X C; ...; Yin, S, <i>A detailed analysis on the microstructure and compressive properties of selective laser melted Ti6Al4V lattice structures</i> , Jan 15, 2021, <b>Materials &amp; Design Journal</b> <a href="#">Dovada</a>	10/7	1.429
		14. Yan, X Z; Dan, L; ...; Huang, K L, <i>Effect of Heating Rate on Formability of Ti6Al4V Alloy Micro-gear Under an Electric Field</i> , Oct 2020, 49 (10), <b>Rare Metal Materials and Engineering Journal</b> <a href="#">Dovada</a>	10/7	1.429
		15. Roata, I C; Croitoru, C; (...); Sbarcea, B G, <i>Surface engineering of Ni-Al coatings through concentrated solar heat treatment</i> , Mar 15, 2020, <b>Applied Surface Science Journal</b> <a href="#">Dovada</a>	10/7	1.429
	7. Zaharia, S.M., Pop, M.A, Chicos, L.A., Lancea, C., Semenescu, A., Florea, B., Chivu, O.R., An investigation on the reliability and degradation of polycrystalline silicon solar cells under accelerated corrosion test, Revista: Materiale Plastice, ISSN 0025 / 5289, Volume 54, Issue 3, 2017, pp. 466-472 <a href="#">Dovada</a>	1. Mannino, G; Tina, G M; ...; Canino, A, <i>Photovoltaic Module Degradation Forecast Models for Onshore and Offshore Floating Systems</i> , Mar 2023, 16 (5), <b>Energies Journal</b> <a href="#">Dovada</a>	10/7	1.429
		2. Dudas, C; Kerekes-Mathe, B; ...; Martha, K, <i>Stylus-Based Tactile Profilometer Can Produce Reliable Results Of Glass Ionomers' Surface Roughness Measurement: Inter- And Intra-Operator Reliability Study</i> , 2020, 124 (4) <b>Medical-Surgical Journal</b> <a href="#">Dovada</a>	10/7	1.429

		3.Mitiu, MA; Olteanu, MV; ...; Cociorva, D, <i>Efficiency of Polycrystalline Photovoltaic Parks in Romania Possibility of Using Renewable Energy</i> , 2018, <i>Thermal Science Journal</i> <a href="#">Dovada</a>	10/7	1.429
	8.Chicos, L. A., Oancea, Gh., Lancea, C., Băncila D., Software System of Integrated and Simultaneous Engineering Proceedings of the 10th WSEAS International Conference on APPLIED COMPUTER SCIENCE (ACS'10), Iwate Prefectural University, Published by World Scientific and Engineering Academy and Society (WSEAS) Press, pp. 238-241, (ISSN: 1792-4863, ISBN: 978-960-474-231-8 – ISI Proceedings ), Iwate, Japonia, 2010,	1.Hassannezhad, Mohammad; Clarkson, P. John, Internal and External Involvements in Integrated Product Development: A Two-Step Clustering Approach, Conference: 27th CIRP Design Conference Location: Cranfield Univ, Cranfield, ENGLAND Date: MAY 10-12, 2017, Book Series: Procedia CIRP, Volume: 60, Pages: 253-260, Published: 2017 <a href="#">Dovada</a>	10/4	2.5
		2.Gaspar, M.; Weichert, F., Integrated construction and simulation of tool paths for milling dental crowns and bridges, COMPUTER-AIDED DESIGN, Volume: 45, Issue: 10, Pages: 1170-1181, Published: OCT 2013 <a href="#">Dovada</a>	10/4	2.5
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		3. Lebea, L; Ngwangwa, H M; ...; Nemavhola, F, <i>Corrosion Resistance of 3D-Printed Titanium Alloy Ti64-ELI Parts for Dental Application</i> , Apr 2022, <b>Applied Bionics and Biomechanics Journal</b> <a href="#">Dovada</a>	10/4	2.5
		4. Lancea, C; Campbell, I; ...; Zaharia, S M, <i>Compressive Behaviour of Lattice Structures Manufactured by Polyjet Technologies</i> , Dec 2020, 12 (12), <b>Polymers Journal</b> <a href="#">Dovada</a>	10/4	2.5
		5. Harun, W S W; Kadirgama, K; ...; Moradi, M, <i>Mechanical behavior of selective laser melting-produced metallic biomaterials</i> , 2019, <b>Mechanical Behavior of Biomaterials Journal</b> <a href="#">Dovada</a>	10/4	2.5
	11. Oancea, Gh., Chicos, L. A., <b>Lancea, C.</b> , Cost Estimating Method of Industrial Product Implemented in WinCOST Software System, 3rd WSEAS International Conference on ENGINEERING MECHANICS, STRUCTURES, ENGINEERING GEOLOGY (EMESEG '10), International Conference on Geography and Geology 2010 (WORLDGEO '10), Published by WSEAS Press, pp. 148-151, ISSN: 1792-4294, ISBN: 978-960-474-203-5, Corfu Island, Greece July 22-24, 2010 <a href="#">Dovada</a>	1. Radojicic, Miroslav; Nestic, Zoran; Vasovic, Jasmina Vesic, Characteristics of The Impact of Production Volume on Cost Dynamics and Unit Cost of Products, METALURGIA INTERNATIONAL, Volume: 18, Special Issue: 3, Pages: 236-241, Published: 2013 <a href="#">Dovada</a>	10/3	3.333
		2. Marian, Zaharia Sebastian; Ionel, Martinescu; Olimpiu, Morariu Cristin, Optimization the Reliability Testing Using Product Lifecycle and Cost Management, Conference: 5th International Conference on Manufacturing Science and Education on Creative Thinking in Engineering and Academic Education Location: Sibiu, ROMANIA Date: JUN 02-05, 2011, Proceedings of the 5th International Conference on Manufacturing Science And Education (Mse 2011), Vol I, Book Series: Proceedings of the International Conference on Manufacturing Science and Education, Pages: 373-376, Published: 2011 <a href="#">Dovada</a>	10/3	3.333

	12. Buican G. R., Oancea Gh., Lancea, C., Pop M. A., Some Considerations Regarding Micro Hardness of Parts Manufactured from 316-L Steel Using SLM Technology, Jurnal BDI: Applied Mechanics and Materials, Vol. 760, pp. 515-520, ISSN web: 1662-7482, 2015	1. Luca, Mihai Alexandru; Tierean, Mircea Horia; Pisu, Teodor Machedon; et al., The influence of concentrated solar energy flux on the structure and properties of stainless-steel brazed joints, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 141, Issue: 4, Pages: 1291-1304, Published: AUG 2020. <a href="#">Dovada</a>	10/4	2.5
		2. Zadi-Maad, A.; Rohib, R.; Irawan, A., Additive manufacturing for steels: a review, Conference: Mineral Processing and Technology International Conference (MINEPROCET) Location: Jakarta, INDONESIA Date: OCT 23-24, 2017, MINERAL PROCESSING AND TECHNOLOGY INTERNATIONAL CONFERENCE 2017, Book Series: IOP, Conference Series-Materials Science and Engineering, Volume: 285, Article Number: 12028, Published: 2018. <a href="#">Dovada</a>	10/4	2.5
	<b>TOTAL</b>			<b>130.85</b>
<b>3.1.2</b>	<b>Citări in articole indexate BDI</b>	<b>5/nr. autori articol citat</b>		
	1. Buican G. R., Oancea Gh., Lancea, C., Pop M. A., Influence of Layer Thickness on Internal Structure of Parts Manufactured from 316-L Steel Using SLM Technology, Jurnal BDI: Applied Mechanics and Materials, Vol. 809-810, pp. 369-374, ISSN web: 1662-7482, 2015	1. DEZSŐ, Gergely; KŐSA, Péte, Dimensional and Shape Accuracy of Cylindrical and Rectangular Parallelepiped-Like Parts Made by Selective Laser Melting Technology, Annals of the Faculty of Engineering Hunedoara - International Journal of Engineering, Issue 1, p39-45, Feb 2020 <a href="#">Dovada</a>	5/4	1.25
	2. Buican G. R., Oancea Gh., Lancea, C., Pop M. A., Some Considerations Regarding Micro Hardness of Parts Manufactured from 316-L Steel Using SLM Technology, Jurnal BDI: Applied Mechanics and Materials, Vol. 760, pp. 515-520, ISSN web: 1662-7482, 2015	1. B Deaky, L Părv , ERP system for 3D printing industry, MATEC Web of Conferences, Vol. 94, 2017 <a href="#">Dovada</a>	5/4	1.25
		2. Dezső, Gergely; Szigeti, Ferenc, Microscopic Investigation on Material Structure of Broken Additively Manufactured Parts, Applied Mechanics and Materials; Zurich Vol. 808, (Nov 2015): 175-180 <a href="#">Dovada</a>	5/4	1.25

	3. Lancea, C.; Ivan, N.V.; Chicos, L.A. & Oancea, G. (2008). Optimisation of CNC Milling Files since CAD Phases (2008). 0741-0742, Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, ISBN 978-3-901509-68-1, ISSN 1726-9679, pp 371, Editor B. Katalinic, Published by DAAAM International, Trnava, Slovakia, 2008	1. VARGA, Gyula; SZIGETI, Ferenc; DEZSŐ, Gergely, Examination of Surface Roughness of Burnished Workpieces, Scientific Bulletin Series C: Fascicle Mechanics, Tribology, Machine Manufacturing Technology, 2015, Vol. 2015 Issue 29, p94-99. 6p.  <a href="#">Dovada</a>	5/4	1.25
	4. Lancea, C., Chicos, L.-A., Zaharia S. and Pop M., Microstructure and micro-hardness analyses of titanium alloy Ti-6Al-4V parts manufactured by selective laser melting, MATEC Web of Conferences eISSN: 2261-236X, Volume 94 (2017), Article Number 03009	1. Hassanin H., Elshaer A., Benhadj-Djilali R., Modica F., Fassi I. Surface Finish Improvement of Additive Manufactured Metal Parts. In: Gupta K. (eds) Micro and Precision Manufacturing. Engineering Materials. Springer International Publishing, 2018  <a href="#">Dovada</a>	5/4	1.25
			<b>TOTAL</b>	<b>6.25</b>
3.2.1	<b>Prezentări efectuate ca invitat în plenul unor manifestări științifice internaționale și Profesor invitat (exclusiv ERASMUS) – în străinătate</b>		<b>20</b>	
	1. CAPP Phase, a very Important Bridge in CAD and CAM Integration, Universitatea Tehnică din Cluj-Napoca 6th – 8th October 2005, Proceedings of the 7th International Conference Modern Technologies in Manufacturing 6th – 8th October 2005  <a href="#">Dovada</a>		20	20
			<b>TOTAL</b>	<b>20</b>
3.3.1	<b>Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice ISI, organizator de manifestări științifice indexate ISI/ Recenzent pentru reviste și manifestări științifice naționale și internaționale indexate ISI. (Punctajul se ia în calcul o singură dată pentru o revistă sau o manifestare științifică)</b>		<b>10</b>	
	1. Membru în colectivul de redacție, membru în comitetul științific și recenzent revista: CoSME16  <a href="#">Dovada</a>		(10)	10
	2. Reviewer MDPI ISI Journal revista: MDPI Journal DataAparitie:2020 <a href="https://www.mdpi.com/">https://www.mdpi.com/</a> <a href="#">Dovada</a>		(10)	10
			<b>TOTAL</b>	<b>20</b>

3.3.2	Membru in colectivele de redacție sau comitete științifice al revistelor si manifestărilor științifice BDI, organizator de manifestări științifice indexate BDI/ Recenzent pentru reviste si manifestări științifice naționale si internaționale indexate BDI. (Punctajul se ia în calcul o singură dată pentru o revistă sau o manifestare științifică)	8	
	1. 3rd WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS 11), revista: Recent Researches in Manufacturing Engineering, revista:WSEAS Conference Proceedings and Journals, <a href="#">Dovada</a>	(8)	8
	2. Novel Trends in Production Devices and Systems, revista: Novel Trends in Production Devices and Systems, 2018 <a href="#">Dovada</a>	(8)	8
	<b>TOTAL</b>		<b>16</b>
3.3.3	Membru in colectivele de redacție sau comitete științifice al revistelor si manifestărilor științifice, organizator de manifestări științifice/ Recenzent pentru reviste si manifestări științifice naționale si internaționale neindexate. (Punctajul se ia în calcul o singură dată pentru o revistă sau o manifestare științifică)	5	
	1. The 3rd International Conference On Computing And Solutions In Manufacturing Engineering - CoSME12, ACADEMIC JOURNAL OF MANUFACTURING ENGINEERING – AJME, 2012 <a href="#">Dovada</a>	(5)	5
	<b>TOTAL</b>		<b>5</b>
3.4.2	<b>Experienta de management, analiza si evaluare in cercetare si/sau invatamant - membru</b>	<b>2*ani desfășurare</b>	
	1. Comisie de licenta Ingineria si Managementul Calitatii, 2013-2014 <a href="#">Dovada</a>	(2*1)	2
	2. Comisie de disertatie Ingineria Fabricației Inovative, 2012-2013 <a href="#">Dovada</a>	(2*1)	2
	3. Comisia de licenta Ingineria Fabricației Inovative, 2010-2011 <a href="#">Dovada</a>	(2*1)	2
	4. Comisia DFC Informatica Tehnologica asistata de Calculator, 2010-2011 <a href="#">Dovada</a>	(2*1)	2
	5. Comisia de licenta Contestatii, 2009-2010 <a href="#">Dovada</a>	(2*1)	2
	6. Comisie de licenta Tehnologia Constructiilor de Masini lb. Franceza, 2008-2009 <a href="#">Dovada</a>	(2*1)	2
	7. Comisie de disertatie Inginerie Tehnologica Asistata de Calculator, 2004-2005 <a href="#">Dovada</a>	(2*1)	2

	8. Comisie de licenta Inginerie Tehnologica Prelucrarii Materialelor, 2007-2008 <a href="#">Dovada</a>	(2*1)	2
	9. Comisie de disertatie Inginerie Tehnologica Asistata de Calculator, 2007-2008 <a href="#">Dovada</a>	(2*1)	2
	10. Comisie de disertatie Inginerie Tehnologica Asistata de Calculator, 2006-2007 <a href="#">Dovada</a>	(2*1)	2
	11. Comisie de disertatie Inginerie Tehnologica Asistata de Calculator, 2005-2006 <a href="#">Dovada</a>	(2*1)	2
	12. Comisie de licenta Productica, 2004-2005 <a href="#">Dovada</a>	(2*1)	2
	13. Comisie de disertatie Inginerie Tehnologica Asistata de Calculator, 2003-2004 <a href="#">Dovada</a>	(2*1)	2
	14. Comisie de disertatie Inginerie Tehnologica Asistata de Calculator, 2002-2003 <a href="#">Dovada</a>	(2*1)	2
	15. Comisie de disertatie Inginerie Tehnologica Asistata de Calculator, 2001-2002 <a href="#">Dovada</a>	(2*1)	2
	16. Comisie de disertatie Inginerie Tehnologica Asistata de Calculator, 2000-2001 <a href="#">Dovada</a>	(2*1)	2
	17. Comisie de disertatie Inginerie Tehnologica Asistata de Calculator, 1999-2000 <a href="#">Dovada</a>	(2*1)	2
		<b>TOTAL</b>	<b>34</b>
<b>3.5.2</b>	<b>Premii ASAS, AOSR, academii de ramura si CNCSIS</b>	<b>15</b>	
	1. PN-III-P1-1.1- PRECISI-2019- 29940 _ Premiera rezultatelor cercetarii - Concentrated Solar Energy Used for Heat Treatment of Ti6Al4V Alloy Manufactured by Selective Laser Melting, 2019 <a href="#">Dovada</a>	15	15
		<b>TOTAL</b>	<b>15</b>
<b>3.5.3</b>	<b>Premii internaționale</b>	<b>10</b>	
	2. Best Paper Award AnAcordare, 2016 <a href="#">Dovada</a>	(10)	10
		<b>TOTAL</b>	<b>10</b>

3.5.4	Premii naționale in domeniu	5	
	1. Distincția CUM LAUDE pentru titlul de Doctor în domeniul Inginerie Industrială, 2003 <a href="#">Dovada</a>	(5)	5
		<b>TOTAL</b>	<b>5</b>
3.6.4.2	Asociații profesionale naționale	3	
	1. Asociația Universitară de Inginerie Fabricației, 2000-2019 <a href="#">Dovada</a>	(3)	3
		<b>TOTAL</b>	<b>3</b>
4.1	Indice Hirsch conform ISI Knowledge	5	
	1. IndiceHISI:5 <a href="#">Dovada</a>	(5)	5
		<b>TOTAL</b>	<b>5</b>
4.2	Indice Hirsch conform Scopus	6	
	1. IndiceHScopus:6 <a href="#">Dovada</a>	(6)	6
		<b>TOTAL</b>	<b>6</b>
4.3	Indice Hirsch conform Google Scholar	7	
	1. IndiceHGS:7 <a href="#">Dovada</a>	(7)	7
		<b>TOTAL</b>	<b>7</b>
<b>TOTAL A3</b>		<b>283.1</b>	

## Condiții minime privind punctajul

Nr.crt.	Domeniul de activitate	Condiții Profesor/ Abilitare	Valoare îndeplinită
1.	Activitatea didactică profesională A1	Minimum 130 puncte	174.3
2.	Activitatea de cercetare A2	Minimum 300 puncte	504,4
3.	Recunoașterea impactului activității A3	Minimum 100 puncte	283.1
<b>TOTAL</b>		<b>Minimum 530 puncte</b>	<b>961.8</b>





Domeniul fundamental: Științe ingineresti

Domeniul de studii universitare de doctorat: Inginerie industrială

Comisia CNATDCU de specialitate: Inginerie industrială și management

Autorul tezei de abilitare: Conf.dr.ing. LANCEA Camil-Traian-Sorin

Centralizator de îndeplinire a  
Standardelor minime necesare și obligatorii pentru conferirea titlurilor didactice  
din învățământul superior

Domeniul de activitate	Condiții minime Profesor/ Abilitare	Realizat
1. Activitatea didactică/ profesională (A1)	<b>Minimum 130 puncte</b>	<b>174.3 puncte</b>
	1.1.2. Cărți/ manuale/monografii/capitole de specialitate Profesor: Minimum 2 de prim autor	<b>2 cărți unic autor</b>
	1.2.1.Suporturi de curs/ Îndrumare Profesor: Minimum 4, din care 2 prim autor	<b>7 suporturi de curs/ îndrumare (2 unic autor,1 prim autor)</b>
2. Activitatea de cercetare (A2)	<b>Minimum 300 puncte</b>	<b>504,4 puncte</b>
	2.1. Articole indexate în reviste ISI Thomson Reuters și în volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date Minimum 8 articole, din care 3 în reviste, minimum 3 ca autor principal, pentru Profesor Pentru profesor, începând din 2018 – minimum 1 articol în reviste din zona roșie sau galbenă	<ul style="list-style-type: none"> <li>➤ 26 articole în reviste ISI Thomson Reuters și în volumele unor manifestări științifice indexate ISI Thomson Reuters;</li> <li>➤ 6 ca autor principal;</li> <li>➤ 8 articole în zona galbenă sau roșie</li> <li>➤ 14 articole în reviste ISI Thomson Reuters;</li> <li>➤ 3 ca autor principal;</li> </ul>

	2.2. Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale	
	De la ultima promovare: Minimum 8 pentru profesor	11 articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale
	2.5 Granturi/ proiecte câștigate prin competiție sau contracte cu mediul socio-economic	
	2.5.1. Director/ Responsabil – Minimum 2D sau 4R pentru Profesor	3 proiecte câștigate prin competiție internațională (2) și națională (1) în calitate de director
3. Recunoașterea impactului activității (A3)	Minimum 100 puncte	283.1 puncte
<b>Total:</b>	<b>Minimum 530 puncte</b>	<b>961.8 puncte</b>



Conf. dr. ing. Camil-Traian-Sorin LANCEA

19 iunie 2023