

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ
DEPARTAMENTUL DE MĂSURĂRI ELECTRICE ȘI MATERIALE ELECTROTEHNICE
Ramura de știință: INGINERIE ELECTRICĂ, ELECTRONICĂ ȘI TELECOMUNICAȚII
Domeniul de studii: INGINERIE ELECTRICĂ

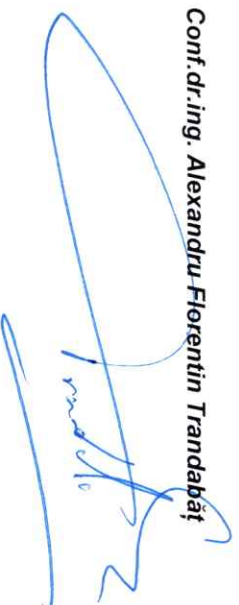
FIȘA DE VERIFICARE

a îndeplinirii standardelor minime naționale pentru postul de profesor universitar

Candidat: **Alexandru Florentin Trandabăț** / Data nașterii: **26.09.1977**, Funcția actuală: Conferențiar, Data numirii în funcția actuală: **15 februarie 2016**

Data: **11.11.2025**

Conf.dr.ing. **Alexandru Florentin Trandabăț**



Tabel 1: Conditii minimeale / punctaje obținute (în conformitate cu Domeniul CNATDCU)

Nr.crt.	Domeniul de activitate	Condiții Profesor Universitar	Punctaj obținut
1	Activitatea didactică/profesională (A ₁)	120	189,75
2	Activitatea de cercetare (A ₂)	360	1419,19
3	Recunoașterea impactului activității (A ₃)	120	349,06
TOTAL		Minimum 600 puncte	1958

Tabelul 2. Centralizator privind îndeplinirii cerințelor standardului minimal național pentru postul de profesor universitar

Nr. crt.	Cerințe	Valoare minimă	Realizat
1	Cărți și capiole în cărți de specialitate - Cărți cu ISBN/capiole ca autor	4	4
	Suport didactic - Suport de curs inclusiv electronic	2 prim autor – 1	3 prim autor – 2
	Suport didactic - Îndrumar de laborator/aplicații	2 prim autor – 1	7 prim autor – 7
2	Articole în extenso în reviste cotate WOS Thomson-Reuters ¹ , în volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOS Derwent	10 prim autor – 4 în reviste – 4	44 prim autor – 17 în reviste – 20
	Articole în revistele și în volumele unor manifestări științifice indexate în alte baze de date internaționale BDI	20 în reviste – 5	78 în reviste – 6
	Brevete de invenție indexate în alte baze de date	-	-
3	Granturi/proiecte câștigate prin competiție națională/internațională - Director proiect	2	7
	Granturi/proiecte câștigate prin competiție națională/internațională - Membru în echipa de proiect	-	36
	Contracte de cercetare/consultanță – Director/ Membru proiect	-	-
3	Citări în reviste WOS și volumele conferințelor WOS	10	77
	Citări în reviste BDI și volumele conferințelor BDI	20	56
	Membru colective de redacție, organizator manifestări științifice, recenzor	-	8
	Prezentări invitate în plenul unor manifestări științifice	-	2
	Referent în comisii de doctorat	-	4
	Premii naționale/internaționale	-	9
	Membru în asociații profesionale	-	4
	Total puncte Activitatea didactică/profesională (A1)	120	189,75
	Total puncte Activitatea de cercetare (A2)	360	1419,19
	Total puncte Recunoașterea impactului activității (A3)	120	349,06
Total A1+A2+A3		600	1958

Tabelul 3. Comisia de inginerie electrică - standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori (K_0)
0	1	2	3	4	5
		1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți cu ISBN/capitole ca autor: Profesor minim 4	1.1.1.1 internaționale 1.1.1.2 naționale - 4 1 Alexandru Florentin Trandabăț , Cristina Schreiner, Marius Pislaru CERCEȚĂRI PRIVIND UTILIZAREA MĂSURĂRILOR DISTRIBUITE ÎN CADRUL SISTEMELOR DE ASIGURARE A CALITĂȚII INDUSTRIALE, 201 pg. Editura PIM 209. ISBN 978-606-520-673-1 2. Marius Pislaru, Cristina Schreiner, Alexandru Florentin Trandabăț CERCETĂRI PRIVIND UTILIZAREA MODELELOR NEURO-FUZZY ÎN CADRUL SISTEMELOR DE ASIGURARE A CALITĂȚII 210 pg. Editura PIM 2010 ISBN 978-606-520-676-2. 3. Alexandru Florentin Trandabăț MANAGEMENTUL CALITATII MEDIULUI VOL 2 152 pagini Ed. PIM 2025 ISBN 978-606-13-9530-9 4 Alexandru Florentin Trandabăț Senzori, materiale funcționale tipărite și platforme IoT pentru aplicații de monitorizare a mediului și aplicații biomedicale. Editura STEF 2025, 215 pagini ISBN 978-630-324-569-0 1.1.2.1 internaționale 1.1.2.2 naționale Suport curs - 3 1. Trandabăț Alexandru Managementul Proiectelor. Suport de curs Editura PIM 2015 202 pag. ISBN 978-606-13-1522895-6 2. Alexandru Florentin Trandabăț MANAGEMENTUL CALITATII MEDIULUI VOL 1, 152 pagini Ed. PIM 2025 ISBN 978-606-13-9529-3. 3. Trandabăț Alexandru Suport curs Sisteme Expert 206 Curs 1 Introducere in Sisteme expert 39 s https://uiasiro.sharepoint.com/b/s/SistemeExpert579/QA0pKyxXeo2QZJdgaTOxIAAfURvG7fSaENnH43CBgYM?e=ADFDYA Curs2 Sisteme Expert- concept si definitii 42 s https://uiasiro.sharepoint.com/b/s/SistemeExpert579/IQBeruluAACierfticsUALjSJAWSMXe3rc1T_MzLAcVeyczY?e=4ABmDS Curs 3 Formalizarea Problemelor 32 s https://uiasiro.sharepoint.com/b/s/SistemeExpert579/IQBR-EuJ5UZlTtomXA4G_TLARMCysb3Mnhwds5NMInF9o?e=Oq14yG Curs 4 Introducere in Clips 40 s https://uiasiro.sharepoint.com/b/s/SistemeExpert579/IQDEo66vOHkKSly7oNOJU6t6AUq1mgYduvEt7I6oI_uGaCA?e=SnhKHAR Curs 5 Utilizarea sistemelor de masurare distribuita in realizarea SE 53 s https://uiasiro.sharepoint.com/b/s/SistemeExpert579/IQC4P9LSNoZQTbyUlWuJr29CYAUh4ZrtfJMwsKMss5IDhike?e=9zGNyZ	nr. pagini/(5*nr. autori)
1	Activitatea didactică/profesională (A ₁)	1.2 Suport didactic	1.2.1 Suport de curs inclusiv electronic: Profesor minimum 2; din care 1 ca prim autor		nr. pagini/(10*nr. autori) 202/(10*1)=20.2 152/(10*1)=15.2
			1.2.2 Îndrumare de laborator/aplicații:	Îndrumare de laborator - 7	nr. pagini/(20*nr. autori)

laborator - 7

2	Activitatea de cercetare (A ₂)	1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, ERASMUS, s.a.)	Punctaj unic pentru fiecare activitate	Profesor minimum 2 din care 1 ca prim autor	1. Trandabăț Alexandru Managementul Proiectelor. Redactarea unei propuneri de tip Start-Up Editura PIM 2015 195 pag ISBN 978-606-13-2864-2	195/(20+1)= 9.75
				2. Alexandru Florentin Trandabăț Adriana Mona Andrei Sisteme de monitorizare a temperaturii bazate pe NFC: de la senzori biomedicali la loggere industriale 2025. Ed. PIM 156 pagini ISBN 978-606-13-9531-6	156/(20+2)= 3.9	
				3. Trandabăț Alexandru Suport electronic seminar Managementul proiectelor de cercetare: modele Cerere de finanțare 67 pagini, resurse online platforma Teams https://tuasiro.sharepoint.com/b/s/ManagementulProiectelordecercetare2025-2026/EbPRYf4vqhOKGAHZH92bxBABPcG99ISRKvAo0f5zPw?e=ugdIT9	67/(20+1)= 3.35	
				4. Trandabăț Alexandru Suport electronic seminar Managementul proiectelor de cercetare: model studiu de impact 100 pagini, resurse online platforma Teams https://tuasiro.sharepoint.com/b/s/ManagementulProiectelordecercetare2025-2026/EbQXpQAQhFNGp2puQl9TBzoBnZM9mpNWozxKMFo3qABw?e=4IXqEL	100/(20+1)= 5	
				5. Trandabăț Alexandru Suport electronic seminar Managementul proiectelor de cercetare: model Studiu de Piață 27 pagini, resurse online platforma Teams https://tuasiro.sharepoint.com/b/s/ManagementulProiectelordecercetare2025-2026/EaIB7oc8lXfXZFCxIFCK0BqDZvYcmwneGVA2SiqBRA?e=x2SSlR	27/(20+1)= 1.35	
				6. Trandabăț Alexandru Suport electronic seminar Managementul proiectelor de cercetare: model Studiu de fezabilitate 142 pagini, resurse online platforma Teams https://tuasiro.sharepoint.com/b/s/ManagementulProiectelordecercetare2025-2026/EYwqm32pnzRGUINMMwXYSmwBdixzGRVK-2fTIG0bz6TUA?e=ynQNBUL	142/(20+1)= 7.1	
				7. Trandabăț Alexandru Utilizarea Inteligenței Artificiale în în sinteza și generarea vorbirii. Îndrumar de laborator Sisteme Expert 50 P https://tuasiro.sharepoint.com/b/s/SistemeExpert579/IQCF-rym_iowSqHBDQlIk_IARZHcTCg9IBKINIQ-PLNRc?e=OCvBWC	50/(20+1)= 2.5	
				TOTAL Puncte Activitatea didactică/profesională (A1)		
Articole în reviste și proceedings indexate WOS - 44 articole din care 17 articole ca prim autor și 20 articole în reviste					(25+20*factor impact (20)/nr. de autori	
1. Trandabăț Alexandru F., Schreiner, Oliver Daniel, Schreiner, Thomas Gabriel, Piopa Olga, Ciobanu, Romeo Cristian. Study on Hybrid Assemblies of Graphene and Conducting Polymers with Embedded Gold Nanoparticles for Potential Electrode Purposes. — Chemosensors 13(4):130. DOI: 10.3390/chemosensors13040130. — 2025. IF=3.7 Q2					(25+3.7*20)/5= 19.8	
2. Trandabăț Alexandru Florentin, Ciobanu, Romeo Cristian, Schreiner, Oliver Daniel. Active Surfaces in Sensor Technologies Utilizing Ceramic Nanotube-Conducting Polymer Composites Containing Embedded Gold Nanoparticles. — Coatings 15(10):1211. (DOI https://doi.org/10.3390/coatings15101211). — 2025. IF=2.8 Q2					(25+2.8*20)/3= 27	
3. Schreiner, Oliver Daniel, Trandabăț Alexandru F., Ciobanu, Romeo Cristian, Schreiner, Thomas Gabriel. TiO2 Ceramic Nanotubes-Conducting Polymer Assemblies with Embedded Gold Particles for Potential Use as Chemosensors in the Detection of Oral Diseases. — Chemosensors 13(4):117. DOI: 10.3390/chemosensors13040117. — 2025. IF=3.7 Q2					(25+3.7*20)/4= 24.5	

4. Damian, Radu F.; Pachiu, Cristina; Mocanu, Alexandra; Trandabai , Alexandru; Ciobanu, Romeo Cristian. The Modeling of Electromagnetic Behavior in the High-Frequency Range of Al ₂ O ₃ and TiO ₂ Thermoplastic Composites in Support of Developing New Substrates for Flexible Electronics. — Crystals 15(7):637. DOI: 10.3390/cryst15070637. — 2025. IF=2.4 Q2	(25+2.4*20)/5=14.60
5. Trandabai , Alexandru F.; Ciobanu, Romeo C.; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Aradoaei, Sebastian. Chemiresistors Based on Hybrid Nanostructures Obtained from Graphene and Conducting Polymers with Potential Use in Breath Methane Detection Associated with Irritable Bowel Syndrome. — International Journal of Molecular Sciences 25(10):5552. DOI: 10.3390/ijms25105552. — 2024. IF=4.9 Q1	(25+4.9*20)/5=24.60
6. Trandabai , Alexandru Florentin; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel; Aradoaei, Mihaela; Aradoaei, Sebastian Teodor. Manufacturing of TiO ₂ , Al ₂ O ₃ and Y ₂ O ₃ Ceramic Nanotubes for Application as Electrodes for Printable Electrochemical Sensors. — Crystals 14(5):454. DOI: 10.3390/cryst14050454. — 2024. IF=2.4 Q2	(25+2.4*20)/5=14.6
7. Trandabai , Alexandru F.; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Aradoaei, Sebastian. Ceramic Nanotubes-Conducting Polymer Assemblies with Potential Application as Chemosensors for Breath Ammonia Detection in Chronic Kidney Disease. — Chemosensors 12(9):198. DOI: 10.3390/chemosensors12090198. — 2024. IF=3.7 Q2	(25+3.7*20)/5=19.8
8. Barbara, Mihaela; Paraschiv, Mirela; Cercel, Radu; Smaranda, Ion; Bartha, Cristina; Trandabai , Alexandru. Correlated studies of photoluminescence, vibrational spectroscopy and mass spectrometry concerning the pantoprazole sodium photodegradation. — Scientific Reports 12:9515. DOI: 10.1038/s41598-022-13648-6. — 2022. IF=3.9 Q1	(25+3.9*20)/5=20.6
9. Smaranda Ion, Nila Andreea; Ganea Paul; Daescu Monica; Zgura Irina; Ciobanu Romeo; Trandabai , Alexandru; Baibarac Mihaela. The Influence of the Ceramic Nanoparticles on the Thermoplastic Polymers Matrix: Their Structural, Optical, and Conductive Properties. — Polymers 13(16):2773. DOI: 10.3390/polym13162773. — 2021. IF=4.9 Q1	(25+4.9*20)/8=15.38
10. Dana Bejan, Lucian Gabriel Bahin, Corneliu Colocaru, Alexandru Florentin Trandabai , Narcisa Laura Marangoci, Alexandru Rotaru & Sergiu Shova The use of C1 symmetry imidazole-carboxylate building block and auxiliary acetate co-ligand for assembly of a 2D wave-like zinc(II) coordination polymer: experimental and theoretical study Pages 2250-2264 Received 21 Apr 2020. Accepted 11 Aug 2020. Published online: 22 Sep 2020 Cite this article https://doi.org/10.1080/00958972.2020.1818727 Aug 17 2020 JOURNAL OF COORDINATION CHEMISTRY 73(16), pp 2250-2264 WOS:000571955900001 IF=2.1	(25+0.9*20)/5=9.57
11. Bejan, Dana; Dascălu, Ioan-Andrei; Shova, Sergiu; Trandabai , Alexandru F.; Bahin, Lucian G. Mesitylene Tribenzoic Acid as a Linker for Novel Zn/Cd Metal-Organic Frameworks. — Journal of Coordination Chemistry 73(16):2250–2264. DOI: 10.1080/00958972.2020.1818727. — 2020 (online 2020, in lista inițială 2022). IF=3.2 Q2	(25+3.2*20)/5=17.8
12. Postolache G; Trandabat A, Popa O, Giraș PS, Postolache O: Wearable Devices for Studying Microvascular Reactivity - It Is Feasible?2019 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB) NOV 21-23, 2019 IEEE Romania Sect. IEEE EMC Romania Chapter, IEEE Signal Proc. Romania Chapter, IEEE SMC Romania Chapter 978-1-7281-2603-6 2019; WOS:000558648300137	25/5=5
13. Porumb Vlad; Trandabai Alexandru Florentin; Terinte Cristina; Cărunțu Irina-Draga; Porumb-Andreea Elena; Dimofte Mihail Gabriel; Pieptu Dragoș. Design and Testing of an Experimental Steam-Induced Burn Model in Rats. — BioMed Research International 2017:9878109. DOI: 10.1155/2017/9878109. — 2017. IF=2.583 Q2	(25+2.58*20)/7=10.91
14. Tudorancea Ionuț; Porumb Vlad; Trandabai , Alexandru; Neaga Decebal; Tamba Bogdan; Iliescu Radu; Dimofte Gabriel M. New experimental model for single liver lobe hyperthermia in small animals using non-directional microwaves. — PLOS ONE 12(9):e0184810. DOI: 10.1371/journal.pone.0184810. — 2017. IF=2.766 Q1 (25+2.766*20)/7	(25+2.766*20)/7=11.47

15. Oana, Tanase Irina; Constantin, Pavil; Alexandru, Trandabat Virtual instrumentation appliance in reproduction biotechnologies used in domestic fends CURRENT OPINION IN BIOTECHNOLOGY Volume24 Page S58-S59 DOI10.1016/j.cobio.2013.05.149 JUL 2013 IF 8.035 Q1	(25+8.035*20)/3=61.9
16. Trandabat A., Pislaru M., Trandabat D. SiadEnv safety and communication features in real life scenarios Advanced Engineering Forum Vols. 8-9 (2013) pp 195-204@ (2013) Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AEE-8-9.195, WOS:000323184000022 ISBN 978-3-03785-785-4, ISSN 2234-9898 — 2013. 25/3	25/3=8.33
17. Pislaru M; Trandabat D, Trandabat A; Assessment of Corporate Environmental Performance Based on Fuzzy Approach 4TH INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND DEVELOPMENT- ICESD 2013JAN 19-20, 2013 Dubai, U ARAB EMIRATES; 10.1016/j.apcbee.2013.05.063; WOS:000361484500063 25/3	25/3=8.33
18. Pislaru, Marius; Trandabat , Alexandru; Avasilcai, Silvia, NEURO-FUZZY MODEL FOR ENVIRONMENTAL IMPACT ASSESSMENT. — Environmental Engineering and Management Journal 10(3):381–386. WOS:000290921300009 — 2011. IF=0.9	(25+0.9*20)/3=14.33
19. Trandabat , Alexandru Florentin; Pislaru, Marius; Brinzila, Marius SiadEnv - ENVIRONMENTAL FRIENDLY E-BUILDING ENERGY MANAGEMENT SYSTEM Environmental Engineering and Management Journal Volume: 11 Issue: 3 Pages: 687-694 Published: MAR 2012 WOS:000304498900029 1582-9596 IF=1.117	(25+1.117*20)/3=15.78
20. Trandabat , Alexandru; Pislaru, Marius NEW ENERGY MANAGEMENT TOOL FOR BUILDINGS ACTIVE ENERGY CONSUMERS REDUCTION. — Management of Technological Changes (Book 1), pp. 617–620 WOS:000306939900155 — 2011	25/2=12.5
21. Pislaru, Marius; Trandabat , Alexandru; Avasilcai, Silvia, OPTIMIZATION OF A QUALITY ASSURANCE PROCESS USING COMPUTATIONAL TECHNIQUES. — Management of Technological Changes (Book 1), pp. 593–596 WOS:000306939900149 — 2011.	25/3=8.33
22. Kim, Ik Jin; Zhao, Wei; Chung, Jeong Ho; Olariu, Marius; Trandabat , Alexandru F.; Ciobanu, Romeo-Cristian Effect of interconnected molecular types on the packing rate of self-assembled monolayers of TMA-A zeolite nanocrystals on glass. — Journal of Ceramic Processing Research 11(3):303–307. — 2010 WOS:000280125600004. IF=1.1 Q2	(25+1.1*20)/6=7.83
23. Pislaru, Marius; Avasilcai, Silvia; Trandabat , Alexandru; Environmental sustainability based on fuzzy models. — Environmental Engineering and Management Journal 7(1):25–29. — 2008. IF=0.885 WOS:000254832200005 (25+0.9*20)/3	(25+0.9*20)/3=14.33
24. Brânziliă, Marius; Schreiner, Cristina; Trandabat , Alexandru; Pislaru, Marius Intelligent System for Monitoring of Exhaust Gas from Hybrid Vehicle — 2008 4th International IEEE Conference Intelligent Systems, Varna, pp. 5-2–5-5; DOI: 10.1109/IS.2008.4670428 WOS:000263194700037 — 2008	25/4=6.25
25. Trandabat , Alexandru; Brânziliă, Marius; Donciu, Codrin; Pislaru, Marius; Ciobanu, Romeo Cristian. Using GPS technology and distributed measurement system for air quality mapping of residential area. — Environmental Engineering and Management Journal 6(6):545–548; DOI: 10.30638/eeemj.2007.069. WOS:000254832000012 — 2007. IF=0.9	(25+0.9*20)/5=8.6
26. Brânziliă Marius; Alexandru Cammen; Donciu Codrin; Trandabat , Alexandru; Schreiner, Cristina. Virtual environmental measurement center based on remote instrumentation. — Environmental Engineering and Management Journal 6(6):517–520; DOI: 10.30638/eeemj.2007.064. — 2007. IF=0.885	(25+0.9*20)/5=8.6

27. Ciobanu, R.; Aradoaei, S.; Trandabat A.; Constantinescu G. <i>Knowledge-based bio-compounds from recycled PE/PET and wood derivatives: Technological analysis, properties, perspectives</i> Proceedings of the 10th International Conference on Optimization of Electrical and Electronic Equipment, VOL. I Page117 WOS:000256417000023-122 — 2006	25/4=6.25
28. Varga C.; Socotar D.; Hanganu S.; Olariu M.; Trandabat A. <i>Advanced reliability studies in microelectronics: Upon p-MOSFET structures technological reliability MANAGEMENT OF TECHNOLOGICAL CHANGES, BOOK 2</i> Page183-186 ISBN 978-960-8475-05-2 WOS:000249920900033 — 2005	29/5=5
29. Trandabat , Alexandru; Brănzilă, Marius; Donciu, Codrin; Ciobanu, Romeo. <i>Air quality mapping system for residential areas, using distributed measurements and GPS technology</i> . — Proceedings of the 9th International Conference on Environmental Science and Technology (CEST), Vol. B, pp. B927–B932. WOS:000237755500151 — 2005	25/4=6.25
30. Trandabat , Alexandru; Pislaru, Marius; Avasilcai, Silvia; Lăzărescu, R. <i>Challenges in advanced industrial process control</i> . — Management of Technological Changes (Book 2), pp. 309–314. ISBN 978-960-8475-04-5 WOS:000249920900056 — 2005	25/4=6.25
31. Trandabat A.; Pislaru M.; Branzila M.; Schreiner C.; Fosaltu C. <i>Distributed measurement system dedicated to peculiar areas with increased risk for environment safety MANAGEMENT OF TECHNOLOGICAL CHANGES, BOOK 2</i> Page121-124 WOS:000249920900022 — 2005	25/4=6.25
32. Trandabat A.; Pislaru M.; Schreiner C.; Ciobanu R. <i>E-survey instruments based on remote measurements, dedicated to peculiar areas with increased risk for environment safety</i> Proceedings of the 9th International Conference on Environmental Science and Technology Page B933-B938 WOS:000237755500152 — 2005	29/5=5
33. Trandabat A.; Branzila M.; Pislaru M.; Ciobanu R.; Fosaltu C. <i>High altitude air quality mapping system for large area using GPS technology and distributed measurement system</i> Management of Technological Changes, Book 1 Page431-434 WOS:000249920000076 — 2005 25/5	29/5=5
34. Varga C.; Olariu M.; Trandabat A.; Socotar D. <i>Modelling the device reliability by use of negative bias temperature instability - NBTI: Principle and brief application</i> Management of Technological Changes, Book 1 Page117-120 WOS:000249920000020 ISBN 978-960-8475-04-5 — 2005 25/4	25/4=6.25
35. Pislaru M.; Schreiner C.; Trandabat A.; Olariu M. <i>Neuro-fuzzy system for monitoring and control in industrial processes</i> Management of Technological Changes, Book 2 Page91-94 WOS:000249920900016 ISBN 978-960-8475-05-2 — 200525/4	25/4=6.25
36. Trandabat A.; Pislaru M.; Varga C.; Hanganu S. <i>Aspects related to an interactive Internet based laboratory for the electrical engineering field OPTIM 2004: PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL 4</i> Page191-198 WOS:000255387700038 ISBN 978-973-635-289-8 — 2004 25/4	25/4=6.25
37. Aradoaei, Sebastian; Trandabat , Alexandru; Ciobanu, Romeo Cristian; Constantinescu, Gabriela. <i>Bio-materials from recycled PET and lignin derivatives: Technological analysis via dielectric Spectroscopy OPTIM 04: PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL I</i> Page195-198 WOS:000255386500036 ISBN 978-973-635-286-7 — 2004 25/4	25/4=6.25
38. Ciobanu, Romeo Cristian; Aradoaei, Sebastian; Trandabat , Alexandru; Constantinescu, Gheorghe. <i>Technological analysis via dielectric spectroscopy of materials containing recycled PET and wood derivatives</i> . — Proceedings of the 2004 IEEE International Conference on Solid Dielectrics (ICSD), Toulouse, pp. 462–465. DOI: 10.1109/ICSD.2004.1350390. WOS:000223357100115 — 2004. 25/4	25/4=6.25
39. Trandabat , Alexandru; Pislaru, Marius; Avasilcai, Silvia. <i>Distributed measurement systems, internet and artificial intelligence: An integral part of the management and the industrial technology of the future</i> . — Management of Technological Changes (Book 1), pp. 153–157. WOS:000250080100024 — 2003 25/3	25/3=8.33

		40. Pîslaru, Marius; Trandabăț, Alexandru; Avasilcai, Silvia. <i>Neuro-fuzzy applications regarding the job assignment problem in the context of economical environment variations</i>. — Management of Technological Changes (Book 1), pp. 123–128. WOS: 000250080100019 — 2003 25/3 41. Pîslaru, Marius; Trandabăț, Alexandru; Avasilcai, Silvia. <i>Neuro-fuzzy modelling of production process</i>. — Management of Technological Changes (Book 1), pp. 129–133. WOS: 000250080100020 — 2003. 25/3 42. Monge, J.; Postolache, O.; Plopa, O.; Trandabăț, Alexandru; Schreiner, O.; Schreiner, T. <i>Glucose Detection in Sweat using Biosensors</i>. — 2019 E-Health and Bioengineering Conference (EHB), Iași, pp. 1–5; DOI: 10.1109/EHB47216.2019.8970023. — 2019. WOS: 000558648300153 25/6 43. Trandabăț A; Pîslaru M; Ciobanu R; <i>Virtual instrumentation and virtual laboratories: The key for the continues personnel education and training</i> MANAGEMENT OF TECHNOLOGICAL CHANGES, BOOK 1 Page159-163 WOS:000250080100025 ISBN 978-960-8475-03-8 — 2002 25/3 44. Trandabăț, Alexandru; Pîslaru, Marius; Ciobanu, Romeo. <i>Neuronal prediction system of meteorological parameters for quality assurance of the traffic</i>. — International Symposium on Signals, Circuits and Systems (SCS 2003), vol. 2, pp. 549–552. DOI: 10.1109/SCS.2003.1227111. WOS:000186628100139 — 2003 25/3 Total articole ISI 529.34
2.2 Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI⁽³⁾)	2.2.2 Profesor: minimum 20 articole din care minimum 5 în reviste	Articole în reviste și în volumele unor manifestări științifice indexate BDI - 78 din care 6 în reviste 20/nr. de autori 4 1. Ciobanu, Romeo Cîrșian; Trandabăț, Alexandru Florentin; Aradoaei, Mihaela; Pachiu, Cristina; Suchea, Mirela ; Dumitache, Monica <i>Innovative Analysis of Electromagnetic Shielding Effect of Composite Materials using Specific Absorption rate of Electromagnetic Energy</i> SIELMEN 15th International Conference on Electromechanical and energy systems 16-17 oct. Chisinau-2025 2. Schreiner Oliver; Trandabăț, Alexandru; Aradoaei, Mihaela; Machidon Radu; Chiriac C.-V. <i>Electrochemical Sensor for Carbon Monoxide Testing Based on Carbon Nanofiber – Conductive Polymer Electrodes</i>. — 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEI), Iași, pp. 242–246; DOI: 10.1109/EPEI63510.2024.10758086. — 2024 3. Schreiner Oliver; Trandabăț, Alexandru; Aradoaei, Mihaela; Machidon Radu. <i>Electrochemical Characteristics of Electrodes Based on Nanocarbon</i>. — 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEI), Iași, pp. 237–241; DOI: 10.1109/EPEI63510.2024.10758100. — 2024 4. Trandabăț, Alexandru; Schreiner Oliver; Aradoaei, Mihaela; Chiriac C.-V. <i>Physico-Chemical Analysis of Electrodes Based on Nanocarbon</i>. — 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEI), Iași, pp. 247–250; DOI: 10.1109/EPEI63510.2024.10758082. — 2024. 5. Schreiner Oliver; Trandabăț, Alexandru; L.-G. Patraș; A. Sandache. <i>Validation of the Integration and Functional Model of a Point of Care Platform</i>. — 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEI), Iași, pp. 287–290; DOI: 10.1109/EPEI63510.2024.10758132. — 2024 6. A. Sandache; L.-G. Patraș; Trandabăț, Alexandru; C. Schreiner; R. Machidon. <i>Functional Model of Device of Bracelet Type Based on Photoelectrochromography</i>. — 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEI), Iași, pp. 271–274; DOI: 10.1109/EPEI63510.2024.10758131. — 2024 7. Trandabăț, Alexandru; Alexandru Arcire; Georgiana Patrascu; Adrian D.N. Sandache; Giana Maria Gheorghian; Ionel Hogas; Cristina Schreiner. <i>A non-enzymatic chronoamperometric glucose sensor based on Screen-Printed Carbon Electrode (SPCE) modified with magnetite magnetic nanoparticles via</i> 3.33

19.	Pislaru, Marius; Trandabat , Alexandru. <i>Decision suport tool based on neuro-fuzzy environmental approach</i> . — Proceedings of the 2nd International Conference on Environmental Engineering and Applications, pp. 68-73.— 2011	10
20.	Pislaru, Marius; Trandabat , Alexandru; Avasilcai, Silvia. <i>Environmental Assessment for Sustainability Determination based on Fuzzy Logic Model</i> . — Environmental Science and Technology, Pt 1 (ICEST 2011), Vol. 6, pp. VI301-VI305; DOI: 10.1016/j.apbce.2013.05.063. — 2011.	6.66
21.	Trandabă, Diana; Trandabat , Alexandru. <i>Extracting Semantic Role Information from Unstructured Texts</i> . — 2011 Sixth International Workshop on Semantic Media Adaptation and Personalization (SMAP), Vigo, pp. 62-67; DOI: 10.1109/SMAP.2011.20. — 2011.	10
22.	Pislaru, Marius; Trandabat , A.; Curteanu, Silvia; Puleac, Ciprian. <i>FUZZY LOGIC FOR ENVIRONMENTAL ASSESSMENT</i> . — Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium, Vol. 21, No. 1; (pagini ndispon.) — 2010	5
23.	Pislaru, Marius; Trandabat , Alexandru; Schreiner, Cristina; Spiridonica, Alexandru. <i>Fuzzy model for sustainability assurance related to environmental protection</i> . — Development and Application Systems (DAS), p. 41; — 2010	6.66
24.	M. Pislaru, A. M. Spiridonica, A. Trandabat D.Astarastoie Fuzzy logic for quality service assurance - case study Proceedings of the 6-th International Conference on Electrical and Power Engineering - EPE 2010 352-356 ISBN 978-606-13-0077-8 — 2010	5
25.	Grigoras Cătălin G.; Rusu Camelia; Aftori Magdalena; Trandabat , Alexandru; Aftori Alexandru. <i>SURFACE MODIFICATION OF POLY(ETHYLENE TEREPHTHALATE) IN AIR PLASMA</i> . — Acta Chimica Iasi 27(1):128-136; DOI: 10.2478/achi-2019-0010. — 2019. IF=0.3 WOS:000484489300010 -Lucrare Revista 1	4
26.	M. Pislaru, A. Trandabat , S. Curteanu, C. Puleac Fuzzy techniques for determination of environmental sustainability International Symposium Control and Metrology of Environmental Quality Factors IS.CMEQF-01 pag 58-59 ISSN 2069-2145	5
27.	M. Pislaru, A. Trandabat , R. Burlacu, C. Bratescu, S. Aradoae and M. Branzila <i>INTERNET BASED DISTRIBUTED METHODS IN SUPPORT OF REMOTE AND COLLABORATIVE DESIGN</i> , EPE 2008, Iasi, Romania, BULETINUL INSTITUTULUI POLITEHNIC DIN IASI TOMUL LIV (LVIII), FASC 4, 2008, ELECTROTEHNICA, ENERGETICA, ELECTRONICA, pp 635-642, ISSN 1223-8139	5
28.	M. Pislaru, A. Trandabat , I.Nica ans S. Ursache <i>FAULT DIAGNOSIS DETECTION USING A NEURO-FUZZY SYSTEM</i> , EPE 2008, Iasi, Romania, BULETINUL INSTITUTULUI POLITEHNIC DIN IASI TOMUL LIV (LVIII), FASC 3, 2008, ELECTROTEHNICA, ENERGETICA, ELECTRONICA, pp 31-36 ISSN 1223-8139	5
29.	M. Brinzila, M.D.Pereira, Al. Trandabat , C. Schreiner <i>VIRTUAL METEOROLOGICAL CENTER Proceedings of Remote Engineering and Virtual Instrumentation</i> , Porto, REV International Journal of Online Engineering, 2007, Vol 3, Issue 4, p45 ISBN 978-3-89958-278-9	5
30.	M. Branzila, C.Alexandru, Al.Trandabat , M.Crețu <i>A PROTOTYPE OF WEB-E-NOSE DEVICE TO BE USED IN MEDICINE FIELDS</i> 15th IMEKO TC4 Symposium on Novelities in Electrical Measurements and Instrumentation 18-22 Septembrie 2007, Iasi, Romania, Volume I pp 336-338 ISBN 978-973-667-260-0	5
31.	C. Schreiner, Al. Trandabat , M. Branzila and R. Ciobanu, <i>Environmental measurement center based on remote instrumentation</i> , Proceedings of the 10th International Conference on Environmental Science and Technology, Kos Island, Greece, ISBN 978-960-7475-40-4, ISSN 1106-5516, 5-7 September 2007, pp 763-770 (indexat in baza de date SRCosmos Scientific Database http://www.ath.aegean.gr/srcosmos)	5

32.	M. Pislaru, A. Trandabăt , M. Olariu <i>NEURO FUZZY SYSTEM FOR INDUSTRIAL PROCESSES FAULT DIAGNOSIS</i> 15th IMEKO TC4 Symposium on Novelities in Electrical Measurements and Instrumentation 18-22 Septembrie 2007, Iasi, Romania, Volume II, pp 634-639 ISBN 978-973-667-260-6	6.66
33.	M. Pislaru, A. Trandabăt , S Ursache <i>FUZZY EXPERT SYSTEM FOR POWER QUALITY ASSESSMENT</i> 15th IMEKO TC4 Symposium on Novelities in Electrical Measurements and Instrumentation 18-22 Septembrie 2007, Iasi, Romania, Volume II, pp 640-643 ISBN 978-973-667-260-6	6.66
34.	M. Pislaru, A. Trandabăt , C. Schreiner, <i>NEURO-FUZZY SURVEILLANCE FOR INDUSTRIAL PROCESS FAULT DETECTION</i> The 8th International Conference of Development and Application Systems DAS'06 May 25-27, 2006, Suceava, Romania Volume 2, pp 706-708, ISBN GEN:973-716-208-06	6.66
35.	M. Pislaru, A. Trandabăt , C. Schreiner, <i>POWER QUALITY MONITORING USING FUZZY EXPERT SYSTEM</i> The 8th International Conference of Development and Application Systems DAS'06 May 25-27, 2006, Suceava, Romania Volume 2, pp 703-705, ISBN GEN:973-716-208-0	6.66
36.	M. Pislaru, C. Schreiner, A. Trandabăt , <i>FUZZY MODEL FOR QUALITY AND SUSTAINABILITY ASSURANCE RELATED TO ENVIRONMENTAL PROTECTION</i> International Conference Protection and Restoration of the Environment PRE VIII 3-7 July, 2006, Chania, Greece Full paper Vol. B, pp. 933-938 ISSN 1106-5516 ISBN 960-7475-33-X	6.66
37.	M. Pislaru, A. Trandabăt , C. Schreiner <i>AUTOMATIC TECHNIQUES FOR INDUSTRIAL PROCESS SURVEILLANCE</i> 4 th International Conference on Electrical and Power Engineering-EPE 2006 October 12-14: 2006, Iasi, Romania, Romania, Buletinul Institutului Politehnic Iasi, Tomul LII (LV), Fascicol 5B pp 864-869, ISSN 1223-8139	6.66
38.	M. Pislaru, C. Schreiner, A. Trandabăt , <i>EXPERT FUZZY MODEL FOR QUALITY AND SUSTAINABILITY ASSURANCE RELATED TO ENVIRONMENTAL PROTECTION</i> 4th International Conference on Electrical and Power Engineering-EPE 2006 October 12-14: 2006, Iasi, Romania, Buletinul Institutului Politehnic Iasi, Tomul LII (LV), Fascicol 5B pp 858-863, ISSN 1223-8139	6.66
39.	R. Ciobanu, C. Schreiner, M. Branzila, A. Trandabăt , <i>"VIRTUAL LABORATORY FOR HIGHER EDUCATION PURPOSES, BASED ON REMOTE MEASUREMENTS IN THE FIELD OF ENVIRONMENT SAFETY"</i> International Conference on Distance Education Martie 27-29 2006 pp 213-224, (Muscata - Sultanate of Oman)	5
40.	M. Pislaru, A. Trandabăt C. Schreiner, <i>"Quality management evaluation based on fuzzy model"</i> The 7th International Conference Modern Technologies in Manufacturing MTeM 2005, Cluj-Napoca, October 6-8, pp 317-320, ISBN 973-9087-83-3	6.66
41.	M. Pislaru, C. Schreiner, A. Trandabăt , <i>An application of fuzzy expert system for short term load forecasting the 7th International Conference "Modern Technologies in Manufacturing" MTeM 2005, Cluj-Napoca, Romania 6-8 October, 2005 ISBN 973-9087-83-3</i>	6.66
42.	M. Pislaru, C. Schreiner, A. Trandabăt , <i>EXPERT SYSTEMS FOR QUALITY IMPROVEMENT</i> The 7th International Conference, Modern Technologies in Manufacturing MTeM 2005, Cluj-Napoca, October 6-8, pp 321-324, ISBN 973-9087-83-3	6.66
43.	M. Pislaru, G. Condurache, A. Trandabăt , <i>Expert neuro-fuzzy system for production process surveillance</i> The International Conference on Integrated Engineering C2I 2005 16-18 October Timisoara, pp. 153-154, ISBN 973-625-259-0	6.66
44.	M. Pislaru, G. Condurache, A. Trandabăt , <i>A NEURO-FUZZY APPROACH TO INDUSTRIAL PROCESS FAULT DETECTION</i> The International Conference on Integrated Engineering C2I 2005 16-18 October Timisoara, pp. 155-156, ISBN 973-625-259-0	6.66

45.	M. Olariu, P. Nottingher Jr, A. Trandabat , R. Ciobanu, I. Prisecaru, <i>Advanced diagnosis of dielectric matters by space charge phenomena analysis</i> Proceedings of the First Workshop of "Electrical Engineering Materials and Their Applications" Bucharest, September 21, 2005 pp 104-108 ISBN: 973-718-308-8	4
46.	S. Aradoaei, A. Trandabat , R. Ciobanu, G. Constantinescu <i>Advanced compounds based on recycled plastic and wood derivatives, for multisectional applications – I – Dielectric behaviour and technological recommendations</i> Proceedings of the First Workshop of "Electrical Engineering Materials and Their Applications" Bucharest, September 21, 2005 pp 139-144 ISBN: 973-718-308-8	5
47.	M. Olariu, S. Hanganu, A. Trandabat , R. Ciobanu, <i>Advanced concept of honeycomb structures based on chiral noncentrosymmetric topologies, for EMC applications</i> Proceedings of the First Workshop of "Electrical Engineering Materials and Their Applications" Bucharest, September 21, 2005 pp 92-95 ISBN: 973-718-308-8	5
48.	C.Varga*, A. Trandabat *, S. Aradoaei*, R. Ciobanu* <i>FAILURE ANALYSIS OF INTERLAYER DIELECTRICS CRACKING DUE TO FAST TEMPERATURE CYCLING AND ELECTROMIGRATION INDUCED THIN FILMS</i> Proceedings of the 5th International Conference on Electromechanical and Power Systems SIELMEN, October 6-8, Chisinau, Rep. Moldova, 2005, pp. 226-227 Book 1, ISBNGEN: 973-716-208-0	5
49.	M. Olariu, M. Paslaru, A. Trandabat , R. Ciobanu, <i>ETUDE DES CHARGES D'ESPACES DANS LES MATERIAUX POLYMERES</i> Proceedings of the 5th International Conference on Electromechanical and Power Systems SIELMEN, October 6-8, Chisinau, Rep. Moldova, 2005, pp. 230-232 Book 1, ISBNGEN: 973-716-208-0	5
50.	M. Olariu, M. Paslaru, A. Trandabat , R. Ciobanu, <i>MESURES DES CHARGES D'ESPACES AVEC MOT ET CDST (C/S)</i> Proceedings of the 5th International Conference on Electromechanical and Power Systems SIELMEN, October 6-8, Chisinau, Rep. Moldova, 2005, pp. 359-362 Book 1, ISBNGEN: 973-716-208-0	5
51.	M. Paslaru, C. Schreiner and A. Trandabat <i>QUALITY MANAGEMENT IN ENGINEERING FIRM ENVIRONMENT</i> 5TH International Conference on Electromechanical and Power Systems, October 6-8, 2005 - Chisinau, Rep. Moldova, Proceedings Volume 1 pp. 194-196, ISBN GEN: 973-716-208-0	6.66
52.	A. Trandabat *, C. Donciu*, M. Paslaru*, R. Ciobanu*, M. Branzila*, M. Olariu <i>AIR QUALITY MAPING SYSTEM FOR LARGE AREA USING GPS TECHNOLOGY AND DISTRIBUTED MEASUREMENT SYSTEM</i> 5TH International Conference on Electromechanical and Power Systems, October 6-8, 2005 - Chisinau, Rep. Moldova, Proceedings Volume 1 pp. 370-372, ISBN GEN: 973-716-208-0	3.33
53.	A. Trandabat , M. Paslaru, R. Ciobanu, M. Olariu, M. Branzila and C. Schreiner <i>PECULIAR AREAS WITH INCREASED RISK FOR ENVIRONMENT SAFETY MONITORING USING DISTRIBUTED MEASUREMENT SYSTEM</i> 5 th International Conference on Electromechanical and Power Systems, October 6-8, 2005 - Chisinau, Rep. Moldova, Proceedings Volume 1 pp. 373-375, ISBN GEN: 973-716-208-0	3.33
54.	A. Trandabat , M. Branzila, C. Donciu and R. Ciobanu <i>AIR QUALITY MAPING SYSTEM FOR RESIDENTIAL AREAS, USING DISTRIBUTED MEASUREMENTS AND GPS TECHNOLOGY</i> 9th International Conference on Environmental Science and Technology 1-3 September 2005 Rhodes Island, Greece, Volume B, pp. 927-932, ISBN 960-7475-33-x, ISSN 1106-5516	5
55.	M. Paslaru, C. Schreiner, A. Trandabat , M. Olariu <i>NEURO- FUZZY System for monitoring and control in industrial processes</i> Proceedings of the 4th International Conference on the Management of Technological Changes Chania, Greece, August 19-20, 2005, Book 2, pp. 91-94, ISBN 960-8475-05-8	5
56.	A. Trandabat , C. Donciu, C. Schreiner <i>CONCEPTUAL ARCHITECTURE FOR VIRTUAL LABORATORIES: APPLICATION - POWER QUALITY VIRTUAL LABORATORY</i> Proceedings of 5th Challenges in Collaborative Engineering workshop, Sopron, Hungary, April 14-15 2005 pp. 55-62, ISBN 91-975604-1-3	6.66

			69. A. Trandabat , C. Donciu, R. Ciobanu LABORATORUL VIRTUAL ȘI INSTRUMENTAȚIA VIRTUALĂ UN RĂSPUNS PENTRU NECESITĂȚILE VIITOARE ALE ÎNVĂȚĂMÂNTULUI ȘI INDUSTRIEI Revista de Instrumentație Virtuală Anul V, volumul V, numărul 2(18), vara 2002 pp. 47-50 Lucrare Revistă 3	6.66
			70. C. Donciu, A. Trandabat , M. Crețu SERVERE TCP/IP DESTINATE TELETRANSMIȘIILOR DE DATE IN LABVIEW Revista de Instrumentație Virtuală Anul V, volumul V, numărul 2(18), vara 2002 pp. 47-50 Lucrare Revistă 4	6.66
			71. M. Pislaru, A. Trandabat , S. Curteanu, C. Puleac Fuzzy techniques for determination of environmental sustainability International Symposium Control and Metrology of Environmental Quality Factors (IS.CMECF-01) pag 58-59 ISSN 2069-2145	5
			72. Bejan, D.; Marangoci, N.L.; Rotaru, A.; Trandabat , A.F.; Bahin, 2,4,6- <i>Tris(4-Iodophenyl)-1,3,5-trimethylbenzene</i> — Molbank 2020(1):M1121; DOI: 10.3390/M1121. — 2020. WOS:000523436200022 IF=0,4 Lucrare Revistă 5	4
			73. M. Pislaru, A. Trandabat Sustainability assurance of environment using fuzzy model The first International Conference on Environmental Management and Technologies ICEMT 2010	10
			74. A. Trandabat , M. Pislaru, Di. Socolar S. Ardoael Idea of an active power reduction system for office and home buildings Proc. of the 6-th International Conference on Electrical and Power Engineering-EPE 2010 p.394-398 ISBN: 978-606-13-0077-8	5
			75. A. Trandabat , M. Pislaru Distributed measurements system for active energy saving Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM "Symposium Intelligent Manufacturing & Automation: Focus on Interdisciplinary Solutions" p.1465-1466 ISSN 1726-9679, ISBN 978-3-901509-73-5	10
			76. Marius Pislaru, Alexandru Trandabat Assessment of Company Environmental Impact using Fuzzy Logic 2012 International Conference on Environment Science and Engineering IPCBEE vol.32(2012) © (2012)/ACSIT Press, Singapore pp 97-92	10
			77. Marius Pislaru, Alexandru F. Trandabat Fuzzy Based Environmental System Approach for Impact Assessment - Case Studies World Academy of Science, Engineering and Technology Vol:6 2012-07-21 International Scholarly and Scientific Research & Innovation 6(7) 2012 pp 1134-1139	10
			78. M. Pislaru, A. Trandabat capitolul Fuzzy model for environmental sustainability assurance Volumul Recent Progress in Computational Sciences and Engineering (2 vols) Subjects Computer Science ISBN9780429070655	10
		2.3.1 internaționale	Total articole BDI	461.85
2.3 Brevete de invenție indexate în alte baze de date		2.3.2 Brevet de invenție naționale		
			Total brevete	
2.4 Granturi/proiecte câștigate prin competiție națională/internațională ^(*)	2.4.1 Director/Responsabil proiect partener	2.4.1.1. internaționale - 2		20*ani de desfășurare

minimum 2 pentru Profesor	1. 01.09.2024-30.08.2027 - I3-2023-INV1 Type of Action: I3-PJG (I3 Project Grants) Number: 210990180 acronym: inkjet-bioAM Type of Model Grant Agreement: I3 Action Grant Budget-Based Enabling multi-material inkjet printing for improved healthcare in biomedical production in Europe	20*3=60
	2. PNIII - ERANET, COFUND-MANUNET, nr. 16/2018, UEFISCDI "Îmbunătățirea tehnologiilor de printare pentru fabricarea economică a sistemelor de analiză tip Point of Care", acronim PRINTPOC 01.04.2018-31.03.2020	20*2=40
	2.4.1.2 Naționale - 5	10*ani de desfășurare
	CONTRACT SUBSIDIAR NR. 7563/02.06.2020 TITLU PROIECT Sistem integrat de control al calitatii apei din panza freatica pe baza de senzori electrochimici Cod SMS 105581 valoare 1.439.440lei 1.07.2020-1.072022	20
	Contract 103/2003, CONTRIBUTII PRIVIND UTILIZAREA MASURARILOR DISTRIBUITE IN CADRUL SISTEMELOR DE ASIGURARE A CALITATII INDUSTRIALE, perioada 04.2003-10.2005, Valoare UTI 11250.00, Grant TD /CNCSIS	30
	Contract 5939/18.09.2006, CONTRIBUTII PRIVIND UTILIZAREA MASURARILOR DISTRIBUITE IN CADRUL SISTEMELOR DE ASIGURARE A CALITATII INDUSTRIALE, perioada 09.2006-12.2006, Valoare UTI 7000.00, CEEEX M2 MD /CNCSIS	10
	http://www.mct-excelenta.ro/fileadmin/mct/Rezultate/modulu1_2/MDMD_REZ_FINAL_26_IULIE.htm	
	Start-Up POS-CCE O 2.3.1 ID proiect 1368, COD SMS 40789 Contract nr. 471/ 30.05.2013 fonduri UE autoritatea contractanta: ANCS NANO-CARPOL "Noi senzori hibridi bazați pe nanostructuri de carbon și polimeri electroactivi, cu aplicații intersectoriale"	20
	http://www.posce.research.ro/uploads/competitii/c231/rezultate-selecție-evaluare-o231-ix.doc	20
	PN-III-RU-PD-2009, cod CNCSIS 342, Contract 50/2010/UEFISCDI Sistem distribuit de inteligența ambientală, destinat eficientizării consumului de resurse energetice și naturale în clădiri cu diverse funcționalități http://cncsis.gov.ro/userfiles/file/PROIECTE%20PD%20COMPETITIA%202009/REZULTATE%20PD_DOMENIU%202_3.pdf	20
Total director de proiect		200
2.4.2 Membru in echipa	2.4.2.1. internaționale - 15	4*ani de desfășurare
	1. PNIII - ERANET MANUNET, nr. 96/2019, UEFISCDI "Dispozitive flexibile și elastice printate 4D de captare a energiei piezoelectrice, bazate pe elastomeri inovativi elctro-adaptabili", acronim 4DPrintEN 1.06.2019-31.05.2021	8
	2. ERA NET, nr. 7-038/2011 "Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electroacoperire a structurilor carbonice cu polimeri activi" 13.05.2011-20.12.2013	8
	3. M-ERA.NET, nr. 9/2015 "Senzori integrați cu caracteristici microfluidice folosind tehnologia LTCC" 02.11.2015-29.12.2017	8
	4. M-ERA.NET, nr. 51/2016, Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice" 01.06.2016-01.06.2019	8
	5. Contract 031891/2006, REMOTE INSTRUMENTATION IN NEXT-GENERATION GRIDS, perioada 09.2006-09.2008, Valoare UTI 84018.00, SSA FP6-IST / CE	8
	6. STEWART contract 22/2018 Sorting system for deMolition Waste based on advanced RoboTics 99.200 euro 24 luni	8
	7. Contract 2003-3.4.2.1-2 / STRP 013641, MATERIALE INTELIGENTE TIP CHIRAL-FAGURE PENTRU APLICATII MULTISECTORIALE, perioada 04.2005-09.2008, Valoare UTI 1527600.00, STRP NMP /CE	12
	8. Low-cost and energy-efficient LTCC sensor/IR-UWB transceiver solutions for sustainable healthy environment (SENSEIVER)	8
	SUStainable management of toxic pollutants in Central Asia:	24

9.	towards a Regional Ecosystem Model for environmental security – SUSCAREM, Contract NATO 983931/2010 48 luni 16.500 euro	6
10.	Shielding and absorbent panels for special purposes, based nano structured composites with predefined architecture and customised dielectric and EMC properties –EMROTUPAN, Contract 63CB/2008 18 luni 41.151 euro	6
11.	Thin Film of Nanoporous Silica Zeolite Crystals on Ceramics for Low-Dielectric Constant Materials - FI LOW EPS, Contract 64CB/2008 18 luni 55.000 euro	6
12.	International (Bilateral Ro-Bulgaria) Instrumentatie la distanta pentru nolle griduri regionale dedicate/ Remote instrumentation for new dedicated regional GRIDS (RINGRID), Contract 62CB/2008 35836 euro 18 luni	6
13.	International (Bilateral Ro-Cipru) Compozite polimerice nano-active avansate cu metale rare și oxizi metalici, pentru aplicatii în microelectronică în domeniul GHz/ Advanced nano-active composites of polymers (having b-ketoeester functionalities) with rare metals and metal oxides, for microelectronic applications at GHz domain - RO-CY-NANOXPOL, Contract 436/2011 10.882 24 luni	8
14.	International – MANUNET Robot multi-articulat cu miscari 3D independente pentru operatiuni de pozitionare precisa/ Articulated robot with independent 3D-motion for precise positioning operations – ROBOBUD, Contract 7-061/2012 19 luni 223.910 euro	6
15.	International (Bilateral Ro- Grecia) Dezvoltarea de bio-senzori implantabili dedicati evaluării neurotransmițătorilor, bazei pe depuneri de compozite polimerice conjugate pe structuri carbonice nano-porase/ Development of implantable bio-sensors for neurotransmitters evaluation, based on electrochemically coated conjugated polymer composites on carbon nano-porous structures – CarPolSense, Contract 567/2012 8.385 euro 19 luni	6
Total proiecte internationale		130
2.4.2.2 naționale - 21		2*ani de desfășurare
1.	Contract 72-173/2008 SISTEM VIDEO AUTOMATIZAT CU GRAD RIDICAT DE INTERSCHIMBABILITATE PENTRU ETALONARE METROLOGICĂ A ECHIPAMENTELOR DE MĂSURARE, perioada 2008-2011, Contract 1130000 RON, PN2 Patențiate / CNMP	6
2.	Sistem integrat iSense de monitorizare prin telemedicină a pacienților, dezvoltat în cluster IT Iconic Componentă 1 - Apel : POC/524/2/2/Sprînjirea creșterii valorii adăugate generate de sectorul TIC și a inovării în domeniul prin dezvoltarea de cluster/e/2/Sprînjirea creșterii valorii adăugate generate de sectorul TIC și a inovării în domeniul prin dezvoltarea de cluster Cod SMIS 129410 durata de implementare: 3 ani	6
3.	POC 2014-2020, A1.2.3. ID P_40_443, cod MySMIS:105689, ct nr. 86 / 08.09.2016, Ctr. subsidiar nr. 6353/25.09.2017/ 392/28.09.2017 „Partenariate pentru transfer de cunoștințe în domeniul materialelor polimerice folosite în ingineria biomedicală”, acronim POINGBIO 04.12.2017-03.12.2019	4
4.	POC-A1- A1.1.4 – E-2015 ID 37 766, ct. 68/08.09.2016, SMIS 103847 ANCSI "Diversificarea activității de CD prin elaborarea de platforme nano-senzoriale pentru detecția electrochimică și cuantificarea unor bio-si imuno-markeri cu aplicatii medicale, de mediu si securitate", acronim NANO-IMUNELCHIM-PLAT 08.09.2016-07.09.2020	8
5.	Contract 51-015/2007 METODOLOGIE DIELECTRICA NEDISTRUCTIVA, NEINVAZIVA, COMPARATIVA DE DETECTARE RAPIDA A INGREDIENTILOR CU POTENTIAL FACTOR DE RISC PENTRU SANATATE DIN PRODUSELE ALIMENTARE, perioada 09.2007 - 09.2010, Valoare UTI 1050000.00 PN2 Patențiate / CNMP	6
6.	Contract 132/2007, REMOTE INSTRUMENTATION IN NEXT-GENERATION GRIDS, perioada 04.2007-07.2008, Valoare UTI 90160.00, CORINT / CNMP	6
7.	NANOCOMPOZITE POLIMERICE CONDUCTIVE CU STRUCTURA PREDEFINITA SI PROPRIETATI DIELECTRICE SI EMC DEDICATE ECRANARII SI REALIZARII DE PANOURI ABSORBANTE PENTRU CIADIRI SPECIALE PN II ERA NET 7-014/2008 2009 -2010	6

8. PARTENERIAT PENTRU CERCETARE DE EXCELENȚĂ ÎN DEZVOLTAREA ABILITĂȚILOR ANTREPRENORIALE ȘI A CAPITALULUI UMAN COMPETITIV ÎN ECONOMIA ȘI SOCIETATEA BAZATE PE CUNOAȘTERE ȘI INOVARE PN II Parteneriat 91-069/2007 2007 - 2010	4
9. Contract 202/2006, DEZVOLTAREA PARTENERIATELOR C/D PRIN ÎNCLUDEREA EXCELENȚEI ROMÂNESTI, ÎN VEDEREA PROMOVĂRII DE PROIECTE COMUNE ÎN DOMENIUL MATERIALELOR AVANSATE, NANOSTRUCTURATE DESTINATE ECRANELOR DE PROTECȚIE LA RADIATII ELECTROMAGNETICE ÎN DOMENIUL GHZ, perioada 09.2006-09.2008, Valoare UTI 150000.00, CEEEX M3 / CNMP	4
10. 51 / 2006, SISTEM INTELIGENT DE IRIĞARE DE PRECIZIE ÎMPLEMENTABIL PE STRUCTURI AUTOMATE CU DEPLASARE CIRCULARĂ SAU LINIARĂ, perioada 2006 - 2008, Valoare UTI 467300, Program CEEEX USAMV - AGRAL	4
11. Contract 201/2006, DEZVOLTAREA PARTENERIATELOR CD ÎN VEDEREA PROMOVĂRII UNOR PROIECTE EUROPENE ÎN DOMENIUL SISTEMELOR DISTRIBUITE DE MONITORIZARE A MEDIULUI, perioada 2006-2008, Valoare UTI 155400, Program CEEEX CNMP M3	4
12. Contract 57/2006, SISTEM INTEGRAT DE ÎNSPECȚIE VIDEO-INTELIGENTĂ A MATERIALELOR TEXTILE DEZVOLTAT PRIN METODE VIRTUALE DE PROCESARE A IMAGINII, perioada 2006-2008, Valoare 499000.00, CEEEX - MODUL 1 CNMP	4
13. 46/2006, ECRANE PENTRU CONSTRUCȚII SPECIALE BAZATE PE STRUCTURI CHIRAL-FAGURE, perioada 09.2006-09.2008, Valoare UTI 555000.00, CEEEX M1/ MATNANTECH	4
14. SISTEM DE MASURARE DISTRIBUITĂ DEZVOLTAT PRIN METODE DE INSTRUMENTAȚIE VIRTUALĂ A. Ad. 33557/2003, cod 330, T. 57 GR. 33371/2004, cod 330, T. 847	4
15. Contract 137 / 2006, SISTEM INFORMATIC DE INSTRUIRE INTERACTIVĂ BAZAT PE ALGORITMI MULTITASK DE MARE VITEZĂ DEZVOLTAT PE PLATFORMA RECONFIGURABILĂ ONLINE PENTRU APLICATII DE TIP LABORATOR VIRTUAL, perioada 2006-2008, Valoare UTI 606160, Program CEEEX CNMP - INFOSOC	4
16. Contract 115/2006, MATERIALE INTELIGENTE TIP CHIRAL-FAGURE PENTRU APLICATII MULTISECTORIALE (ȘI EXTINDEREA APLICATIILOR PROPUSE ÎN ÎNCEPUTUL DOMENIULUI PROTECȚIEI LA RADIATII ELECTROMAGNETICE - PRIN MATERIALE ȘI TEHNOLOGII AVANSATE PENTRU CONSTRUCȚII SPECIALE), perioada 09.2006-09.2008, Valoare UTI 659383.00, CORINT / CNMP	4
17. Contract 79/2006, BIOCOMPOZITE OBTINUTE PRIN RECICLAREA DEȘEURILOR DE PET ȘI UTILIZAREA DE DERIVAȚI LIGNO-CELULOZICI, 09.2006-09.2008, 720000.00, CEEEX M1/ MATNANTECH	4
18. Contract 173/2006, DEZVOLTAREA CAPACITĂȚII DE ÎNTEGRARE A ROMÂNIEI ÎN CADRUL PROGRAMELOR, PLATFORMELOR ȘI REȚELELOR EUROPENE ÎN DOMENIUL METODELOR COMPARATIVE NEINVAZIVE ȘI NEDISTRUCTIVE DE ANALIZĂ A CALITĂȚII ȘI SIGURANȚEI ALIMENTELOR, perioada 09.2006-09.2008, Valoare UTI 150000.00, CEEEX M3 / CNMP	4
19. Contract 179/2006, DEZVOLTAREA CAPACITĂȚII DE ÎNTEGRARE A ROMÂNIEI ÎN CADRUL PROGRAMELOR, PLATFORMELOR ȘI REȚELELOR EUROPENE ÎN DOMENIUL METODELOR COMPARATIVE NEINVAZIVE ȘI NEDISTRUCTIVE DE ANALIZĂ A CALITĂȚII ȘI SIGURANȚEI ALIMENTELOR, perioada 09.2006-09.2008, Valoare UTI 130000.00, CEEEX M3 / CNMP	4
20. Contract 550/2005, PLATFORME VIRTUALE ȘI DISTRIBUITE PENTRU DESIGN-UL, MONITORIZAREA PERFORMANTELOR ȘI DIAGNOZA SISTEMELOR ELECTROMECANICE, perioada 04.2005-10.2007, Valoare UTI 120000.00, Grant A / CNCIS	4
21. Contract 489/2004, METODE AVANSATE DE PROIECTARE ȘI TESTARE A SISTEMELOR DE IZOLAȚIE DESTINATE FUNCȚIONĂRII ÎN CONDIIȚII EXTREME ȘI TOLERANȚE LA DEFECTARE, 04.2004-10.2006, Valoare UTI 150000.00, Grant A / CNCIS	4
Total membru proiecte naționale	98
2.5.1 Director/Responsabil proiect partener -	5*ani de desfășurare

2.5 Contracte de cercetare/consultanță (valoare echivalentă de minim 2000 Euro)	2.5.1 Director/Responsabil proiect/partener	Total director/responsabil proiect partener	
	2.5.2 Membru în echipă	Total membru echipă	2 ani de desfășurare
3.1 Citiți în revistele WOS și volumele conferințelor WOS ⁽⁵⁾	3.1.2 Profesor: minimum 10 citări	TOTAL Puncte Activitatea de cercetare (A2)	1419.19
Recunoașterea și impactul activității (A₃)	Citiți în WOS - 77	CITATĂ în: 1. Saptebani, NI The impact of digitalization on physical customs control, by evaluating the use of non-destructive scanners and artificial intelligence-based systems 19th International Conference on Business Excellence (ICBE) - Leading Change in Disruptive Times Jul 1 2025 PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON BUSINESS EXCELLENCE 19(1), pp 5589-5597 DOI10.2478/picbe-2025-0427WOS:001550726800001 2. Hsueh, SL and Cheng, AC IMPROVING AIR QUALITY IN COMMUNITIES BY USING A MULTICRITERIA DECISION-MAKING MODEL BASED ON BIG DATA: A CRITICAL REVIEW 2017 APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH 15(2), pp.15-31 DOI10.15666/aeer/1502_015031 WOS:000401910900002 3. Rodriguez, E; Peché, R; (...); Etxebarria, J Dynamic Quality Index for agricultural soils based on fuzzy logic Jan 2016 ECOLOGICAL INDICATORS 60, pp 678-692 DOI10.1016/j.ecolind.2015.08.016 WOS:000367407000069 4. MODELING THE IMPACT OF ROAD TRAFFIC ON AIR POLLUTION IN URBAN ENVIRONMENT CASE STUDY: A NEW OVERPASS IN THE CITY OF CRAIOVA By: Mitran, Gabriela; Ilie, Sorin; Tabacu, Ion; et al. ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 11 Issue: 2 Pages: 407-412 Published: FEB 2012 5. Esther Rodriguez, Roberto Peché, Carlos Garbisu, Inaki Gorostiza, Lur Epelde, Unai Arteixed, Amaia Irizaré, Manuel Sotelo, José Mº Becerril, Javier Etxebarria, Dynamic Quality Index for agricultural soils based on fuzzy logic Ecological Indicators Volume 60, January 2016, Pages 678–692 6. PATTERN FOR THE MANAGEMENT OF ENVIRONMENT-ECONOMY SYSTEMS BASED ON QUANTIFICATION OF EMERGETIC SUSTAINABILITY By: Gruia, Romulus; Tane, Nicolae; Marculescu, Angela; et al. Conference: BIOATLAS International Conference on New Research in Food and Tourism Location: Brasov, ROMANIA Date: MAY 27-30, 2010 ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 9 Issue: 12 Pages: 1659-1665 Published: DEC 2010 7. MEASURING ENVIRONMENTAL EVOLUTION USING SYNTHETIC INDICATORS By: Mondejar-Jimenez, Jose; Vargas-Vargas, Manuel; Mondejar-Jimenez, Juan-Antonio ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 9 Issue: 9 Pages: 1145-1149 Published: SEP 2010 8. THE ENVIRONMENTAL DIMENSION - AN INTERDISCIPLINARY RESEARCH AREA By: Ioan, Carmen Catalina; Carcea, Maria Ileana ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 9 Issue: 5 Pages: 735-741 Published: MAY 2010 9. GHG EMISSIONS EVALUATION FROM FOSSIL FUEL WITH CCS By: Dinca, Cristian; Badea, Adrian-Alexandru; Apostol, Tiberiu; et al. Conference: 5th International Conference on Environmental Engineering and Management Location: ROMANIA Date: SEP 15-19, 2009	5/mr. autori ai articolului citat

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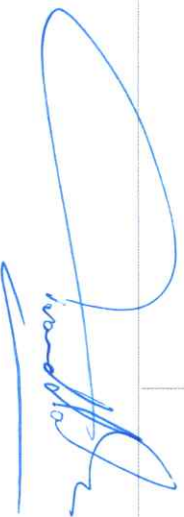
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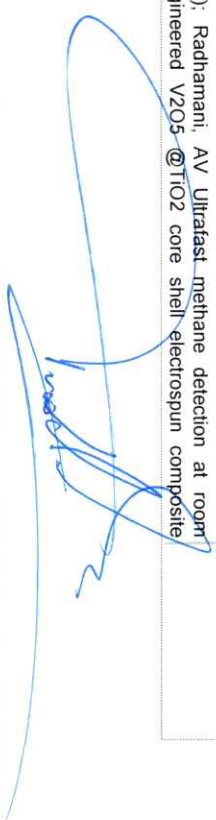
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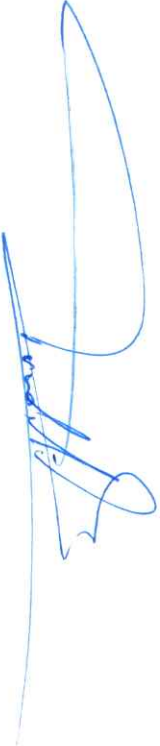
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		5. S. Suthagar, G. Mageshkumar, K. Hemalatha, Sagurthi Prabhakara Rao, R. Mahesh, S. M. Kural Eniyavan, "Identification of Respiratory Diseases and Diabetes by Non-invasive Method Using IoT", Invenite Computation and Information Technologies, vol.563, pp.425, 2023. 6. Konstantinos Katzis, Lazar Berbakov, Gordana Gardasevic, Olivera Sveljo, "Breaking Barriers in Emerging Biomedical Applications", Entropy, vol.24, no.2, pp.226, 2022. 7. Anita Antony, "Flexible and Wearable Biosensors: Revolutionizing Health Monitoring", Biosensors: Developments, Challenges and Perspectives, pp.237, 2024 Total Citări în BDI 56 citări Total puncte citări 136.06 20 pct	
	3.3 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv POS, ERASMUS)	Punctaj unic pentru fiecare activitate 3.3.1 internaționale- 2 1. Wireless sensors Networks. Medical applications in cadrul International Training School: "Application of sensors networks in food industry, agriculture and medicine" 2013 2. 28.03.2023 - PoC. Printed sensors for biomedical applications Universitatea Tehnica Gh. Asachi din Iasi Boosting Ingenium for Excellence, BIAE -20 3.3.2 naționale Total 40	
	3.4 Membru în colective de redacție sau comitee științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și internaționale (punctajul se acordă pentru fiecare revistă, manifestare științifică și recenzie)	3.4.1 WOS - 3.4.2 BDI - 7 Membru in Comitetul de organizare a Conferintei internationale EPE2016 Membru in Comitetul de organizare a Conferintei internationale EPE2014 Membru in Comitetul de organizare a Conferintei internationale EPE2012 Membru in Comitetul de organizare a Conferintei internationale EPE2010 Recenzor paper ID 1170, 2024 Buletinul Institutului Politehnic din Iasi, (indexat Copernicus) 6pct Recenzor lucrarea 59 SIELMEN 2023 6 pct Recenzor lucrarea 60 SIELMEN 2023 6 pct Total 42	
	3.5 Referent în comisi de doctoral	3.4.3 Naționale și internaționale neindexate Membru în Comitetul de organizare a Conferintei naționale CNIV 2009 3.5.1 internaționale 3.5.2 naționale - 4 2017 - <i>Curelaru Alina Cornelia</i> - CERCETĂRI PRIVIND DEZVOLTAREA DE MATERIALE ȘI TEHNOLOGII 5 PENTRU SENZORI CERAMICI 2020 – <i>Ungureanu Laurențiu Iulian</i> – CONTRIBUTII PRIVIND DEZVOLTAREA ȘI UTILIZAREA 5 SENZORILOR PIEZOELECTRICI CU ACUMULARE DE ENERGIE 2023 - <i>Adriana - Mona MOȘNEAGU (ANDREI)</i> CERCETĂRI PRIVIND REALIZAREA DE SENZORI 5 WIRELESS 2024 - <i>Patrascu Laura –Georgiana</i> CERCETĂRI PRIVIND DEZVOLTAREA DE INSTRUMENTE PENTRU 5 TELEMEDICINĂ Total 20	
	3.6 Premii	Academia Română ASAS, AOSR, academii de ramură și CNCS - 5 PN-III-P1-1.1- PRECISI-2017 - 20268— New experimental model for single liver lobe hyperthermia in small animals using non-directional microwaves, S c i e n. P l o s O n e. 15	

3.7 Membru în academiile, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării	3.7.1 Academia Română 3.7.2 ASAS, AOSR și academiile de ramură 3.7.3 Conducere asociații profesionale 3.7.4 Asociații profesionale 3.7.5 Consilii și organizații în domeniul educației și cercetării	PN-III-P1-1-1- PRECISI-2017- 19631 <i>Design and Testing of an Experimental Steam-Induced Burn Model in Rats</i> — Biomed Research	15	
		Premierea rezultatelor cercetării - Articole, Competiția 2021 Ceramic Nanoparticles on the Thermoplastic Polymers Matrix: Their Structural, Optical, and Conductive Properties	15	
		PN-IV-P2-2-3- PRECISI-2023- 68866 Mesitylene Tribenzoic Acid as a Linker for Novel Zn/Cd Metal-Organic Frameworks	15	
		PN-IV-P2-2-3- PRECISI-2023- 82683 Correlated studies of photoluminescence, vibrational spectroscopy and mass spectrometry concerning the pantoprazole sodium photodegradation - Scientific Reports	15	
		Total	75	
		Premii internaționale -1	10	
		Best awarness level in FP7-ICT Grant schemes and current projects in Software Services	10	
		Total	10	
		Premii naționale în domeniu - 3	5	5 pct.
		Premiul accelerator de afaceri, BringITon / 19, 11 2016, Cercetare - transfer tehnologic	5	
Premiul MENTORSHIP . BringITon / 19, 11 2016	5			
Premiul pentru cea mai bună prezentare de lucrare – secțiunea B INTERIN 2013	5			
Total	15			
TOTAL Puncte Recunoașterea și impactul activității (A3)			349,06	
TOTAL Puncte (A1)+(A2)+(A3)			1958	

Data: 11.11.2025

Conf. dr.ing. Alexandru Florentin Trandabăţ