

## LISTA DE LUCRĂRI

Candidat: **TRANDABĂȚ F.** Alexandru Florentin - **Dr./** din 2009, Conferențiar./ din 15.02.2016

### 1. Lista a maximum 10 lucrări, cele mai relevante in ramura de știință corespunzătoare postului

1.	Porumb Vlad; <b>Trandabăț</b> Alexandru Florentin; Terinte Cristina; Căruntu Irina-Draga; Porumb-Andrese Elena; Dimofte Mihail Gabriel; Pieptu Dragoș. <i>Design and Testing of an Experimental Steam-Induced Burn Model in Rats</i> . — BioMed Research International 2017:9878109; DOI: 10.1155/2017/9878109. — 2017. IF=2.583 <b>Q2</b>
2.	<b>Trandabăț</b> , Alexandru F.; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Aradoaei, Sebastian. <i>Ceramic Nanotubes-Conducting Polymer Assemblies with Potential Application as Chemosensors for Breath Ammonia Detection in Chronic Kidney Disease</i> . — Chemosensors 12(9):198; DOI: 10.3390/chemosensors12090198. — 2024. IF=3.7 <b>Q2</b>
3.	Schreiner, Oliver Daniel; <b>Trandabăț</b> , Alexandru F.; Ciobanu, Romeo Cristian; Schreiner, Thomas Gabriel. <i>TiO2 Ceramic Nanotubes-Conducting Polymer Assemblies with Embedded Gold Particles for Potential Use as Chemosensors in the Detection of Oral Diseases</i> . — Chemosensors 13(4):117; DOI: 10.3390/chemosensors13040117. — 2025. IF=3.7 <b>Q2</b>
4.	<b>Trandabăț</b> , Alexandru F.; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Plopa, Olga; Ciobanu, Romeo Cristian. <i>Study on Hybrid Assemblies of Graphene and Conducting Polymers with Embedded Gold Nanoparticles for Potential Electrode Purposes</i> . — Chemosensors 13(4):130; DOI: 10.3390/chemosensors13040130. — 2025. IF=3.7 <b>Q2</b>
5.	<b>Trandabăț</b> , Alexandru Florentin; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel. <i>Active Surfaces in Sensor Technologies Utilizing Ceramic Nanotube-Conducting Polymer Composites Containing Embedded Gold Nanoparticles</i> . — Coatings 15(10):1211; (DOI <a href="https://doi.org/10.3390/coatings15101211">https://doi.org/10.3390/coatings15101211</a> ). — 2025. IF=2.8 <b>Q2</b>
6.	<b>Trandabăț</b> , Alexandru Florentin; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel; Aradoaei, Mihaela; Aradoaei, Sebastian Teodor. <i>Manufacturing of TiO2, Al2O3 and Y2O3 Ceramic Nanotubes for Application as Electrodes for Printable Electrochemical Sensors</i> . — Crystals 14(5):454; DOI: 10.3390/cryst14050454. — 2024. IF=2.4 <b>Q2</b>
7.	<b>Trandabăț</b> , Alexandru F.; Ciobanu, Romeo C.; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Aradoaei, Sebastian. <i>Chemiresistors Based on Hybrid Nanostructures Obtained from Graphene and Conducting Polymers with Potential Use in Breath Methane Detection Associated with Irritable Bowel Syndrome</i> . — International Journal of Molecular Sciences 25(10):5552; DOI: 10.3390/ijms25105552. — 2024. IF=4.9 <b>Q1</b>
8.	Monge, J.; Postolache, O.; <b>Trandabăț</b> , Alexandru; Macovei, Ș. <i>Multi-node potentiostat device and multiplatform mobile application for on-field measurements</i> . — 2020 International Conference and Exposition on Electrical and Power Engineering (EPE), Iași, pp. 695–698; DOI: 10.1109/EPE50722.2020.9305567. — 2020.
9.	Tudorancea Ionuț; Porumb Vlad; <b>Trandabăț</b> Alexandru; Neaga Decebal; Tamba Bogdan; Iliescu Radu; Dimofte Gabriel M. <i>New experimental model for single liver lobe hyperthermia in small animals using non-directional microwaves</i> . — PLOS ONE 12(9):e0184810; DOI: 10.1371/journal.pone.0184810. — 2017. IF=2.766 <b>Q1</b>
10.	Postolache G; <b>Trandabat</b> A, Plopa O; Girao 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 EMB Romania Chapter, IEEE EMC Romania Chapter, IEEE Signal Proc Romania Chapter, IEEE SMC Romania Chapter 978-1-7281-2603-6 2019; WOS:000558648300137



## 2. Teza(-ele) de doctorat (T1, T2)

**T1 Contribuții privind utilizarea măsurărilor distribuite în cadrul sistemelor de asigurare a calității industriale**, 2009, Universitatea Tehnică "Gheorghe Asachi" din Iași, domeniul Inginerie electrică, Conducător de doctorat Prof.Dr.Ing. Romeo Cristian Ciobanu

## 3. Brevete de invenție și alte titluri de proprietate industrială

## 4. Cărți și capitole din cărți

a) **Cărți/ cursuri/ manuale publicate în edituri recunoscute din țară sau din străinătate (Ca1, Ca2 etc.), îndrumare publicate/culegeri de probleme (I1, I2 etc.), sisteme de laborator funcționale etc. (D1, D2 etc.) cursuri proprii pe Web, sisteme e-learning etc. (W1, W2 etc.), după caz, precum și alte lucrări (M1, M2 etc.) prin care se aduc contribuții la dezvoltarea activităților didactice/ profesionale.**

	<b>Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)</b>	<b>Punctaj</b>
<b>Ca</b>	<b>Ca1 Trandabăț Alexandru</b> Managementul Proiectelor. Suport de curs Editura PIM 2015 202 pag. ISBN 978-606-13-1522895-6	16.16
	<b>Ca2 Alexandru Florentin Trandabăț</b> MANAGEMENTUL CALITATII MEDIULUI VOL 1, 152 pagini Ed. PIM 2025 ISBN 978-606-13-9529-3	12.16
	<b>Ca3 Alexandru Florentin Trandabăț</b> MANAGEMENTUL CALITATII MEDIULUI VOL 2 152 pagini Ed. PIM 2025 ISBN 978-606-13-9530-9	12.6
	<b>Ca4 Alexandru Florentin Trandabăț</b> 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	17.2
<b>I</b>	<b>Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)</b>	
	<b>I1. Trandabăț Alexandru</b> Managementul Proiectelor. Redactarea unei propuneri de tip Start-Up Editura PIM 2015 195 pag ISBN 978-606-13-2864-2	7.8
	<b>I2. Alexandru Florentin Trandabăț</b> Adriana Mona Andrei Sisteme de monitorizare a temperaturii bazate pe NFC: de la senzori biomedicali la loggere industrial 2025, Ed. PIM 156 pagini ISBN 978-606-13-9531-6	3.12
	<b>I3. Trandabăț Alexandru</b> Suport electronic seminar Managementul proiectelor de cercetare: modele Cerere de finanțare 67 pagini, resurse online platforma Teams <a href="https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQCz0WVxeL6oTpBgB8x_dm8fAQax_UlctmE8TL6BT2fQ_vk?e=GswtFW">https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQCz0WVxeL6oTpBgB8x_dm8fAQax_UlctmE8TL6BT2fQ_vk?e=GswtFW</a>	2.68
	<b>I4. Trandabăț Alexandru</b> Suport electronic seminar Managementul proiectelor de cercetare: model studiu de impact 100 pagini, resurse online platforma Teams <a href="https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/EbqXpQAQhFNGp2puQI9TBzoBnIZM9mpNWQzxrMFO3gABW?e=4IXqEr">https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/EbqXpQAQhFNGp2puQI9TBzoBnIZM9mpNWQzxrMFO3gABW?e=4IXqEr</a>	4
	<b>I5. Trandabăț Alexandru</b> Suport electronic seminar Managementul proiectelor de cercetare: model Studiu de fezabilitate 142 pagini, resurse online platforma Teams <a href="https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQCMKpt9qZ80RrVCDTMF2EpsAXB95h_LIhtD1dLthcAm0?e=DBkPgT">https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQCMKpt9qZ80RrVCDTMF2EpsAXB95h_LIhtD1dLthcAm0?e=DBkPgT</a>	5.68
	<b>I6. Trandabăț Alexandru</b> Utilizarea Inteligentei Artificiale în sinteza și generarea vorbirii. Îndrumar de laborator Sisteme Expert 50 P <a href="https://tuiasiro.sharepoint.com/:b:/s/SistemeExpert579/IQCF-rvm_iowSqHBDOTfIk_iARZHcTcc9IBKIrNiQ-plNRc?e=OCvBwC">https://tuiasiro.sharepoint.com/:b:/s/SistemeExpert579/IQCF-rvm_iowSqHBDOTfIk_iARZHcTcc9IBKIrNiQ-plNRc?e=OCvBwC</a>	2
<b>D</b>	<b>Sisteme de laborator funcționale</b>	
	<b>D1.</b> Microsoft Project – integrarea unui proiect folosind Microsoft Project:Planul de realizare, Grafic Gant, Alocarea resurselor, Elemente de implementare a proiectului)	1.5
	<b>D2.</b> Microsoft Visio –realizarea elementelor grafice de prezentare din planuri din documentele folosite in managementul proiectelor	1.5
	<b>D3</b> GPS-Google Earth prelucrarea fișierelor KML pentru realizarea de aplicatii tip logger	1.5
	<b>D4</b> Realizarea unei rețele SHO in Cisco Packet Tracer	1.5
	<b>D5</b> Lucrare laborator – cablare retea de calculatoare	2
	<b>D6</b> Lucrare de laborator – configurare retea wireless	2
	<b>D7</b> Contribuție dotare laborator. Retea senzoriala wireless waspmote Libelium Valoare 18712.81 (1 euro=4.5 lei) = 4158.4 euro	5.9
	<b>D8</b> Contribuție dotare laborator. Retea senzoriala wireless NI Valoare 35001.59 (1 euro=4.5 lei) = 7778.13 euro	11.11
	<b>D9</b> Contributie dotare laborator <b>15 Micro Python pyboard, 5 maxduino Sipeed, 2 platforme mobile robotizate 15*50+5*80+2*200</b>	2.21
	<b>D10</b> Modul HMI 3500 euro	5
<b>W</b>	<b>Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc.</b>	
	<b>W1 Trandabăț Alexandru</b> Suport electronic seminar Managementul proiectelor de cercetare: model Studiu de Piață 27 pagini, resurse online platforma Teams <a href="https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQCowe6HJfJcRYI8xQsSBQpNAXhxia5JiAAlcMZ3oBkSB8U?e=TLz5OL">https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQCowe6HJfJcRYI8xQsSBQpNAXhxia5JiAAlcMZ3oBkSB8U?e=TLz5OL</a>	1



W2 Suport Curs MCM <a href="https://tuiasiro.sharepoint.com/:f:/s/MCM/lqCxlLoai5SoRqgmsdRBqzIXAUQuHxTDiSPYAKPlmxrWC4A?e=EampFN">https://tuiasiro.sharepoint.com/:f:/s/MCM/lqCxlLoai5SoRqgmsdRBqzIXAUQuHxTDiSPYAKPlmxrWC4A?e=EampFN</a>	1
W3 Suport Curs MPC Cum se face bugetarea unui proiect de cercetare <a href="https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQBA4rgliipVMRbLGpx9PWbwlAQsjwqeSIUI4MGdliffE80s?e=DpBtoX">https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQBA4rgliipVMRbLGpx9PWbwlAQsjwqeSIUI4MGdliffE80s?e=DpBtoX</a> Graficul Gantt <a href="https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQAQu7ArcUecSZYxv3yG8k69AR7R6v2o24khhFtphLjo98k?e=pb2qsV">https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQAQu7ArcUecSZYxv3yG8k69AR7R6v2o24khhFtphLjo98k?e=pb2qsV</a> Managementul de proiect de cercetare-de la ideie la durabilitate <a href="https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQDfYJUcCQJnRlnzSpL2caYPAa2-TXWLaJwthwzb8S1ehCU?e=n37p6d">https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/IQDfYJUcCQJnRlnzSpL2caYPAa2-TXWLaJwthwzb8S1ehCU?e=n37p6d</a>	1
W4 Suport curs SE <a href="https://tuiasiro.sharepoint.com/:f:/s/SistemeExpert579/lqDj7Y7a7ktBT4jNnc4AF5odAafrXLQgkEKASBDXVAJWSQ?e=CO4PPV">https://tuiasiro.sharepoint.com/:f:/s/SistemeExpert579/lqDj7Y7a7ktBT4jNnc4AF5odAafrXLQgkEKASBDXVAJWSQ?e=CO4PPV</a>	1

b) Cărți/ capitole cărți de specialitate publicate în edituri recunoscute din țară sau din străinătate (Cb1, Cb2 etc.),

	Carte de specialitate/ capitol publicat în editură din țară, recunoscută CNCS	Punctaj
Cb	<b>Cb1.</b> Marius Pîslaru, Cristina Schreiner, <b>Alexandru Florentin Trandabăț</b> CERCETĂRI PRIVIND UTILIZAREA MODELELOR NEURO-FUZZY ÎN CADRUL SISTEMELOR DE ASIGURARE A CALITĂȚII 210 pg, Editura PIM 2010 ISBN 978-606-520-676-2.	2.66
	<b>Cb2</b> Alexandru Florentin <b>Trandabăț</b> , Cristina Schreiner, Marius Pîslaru CERCETĂRI PRIVIND UTILIZAREA MĂSURĂRILOR DISTRIBUITE ÎN CADRUL SISTEMELOR DE ASIGURARE A CALITĂȚII INDUSTRIALE, 201 pg, Editura PIM 2009, ISBN 978-606-520-673-1	2.66

5. Articole/ studii publicate în reviste din țară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), creații artistice prezentate la manifestări recunoscute din țară/ străinătate (A1, A2 etc.), articole/ studii publicate în volumele manifestărilor științifice naționale/ internaționale indexate BDI/ neindexate BDI (V1, V2 etc.), după caz, precum și alte lucrări (N1, N2 etc.) prin care se aduc contribuții științifice la dezvoltarea domeniului.

	Articol publicat în revistă cotate ISI, cu factor de impact	
R	<b>R1.</b> <b>Trandabat, A.F.</b> ; Ciobanu, R.C.; Schreiner, O.D. <i>Carbon Microfibers Coated with 3-Methyl-4-Phenylpyrrole for Possible Uses in Energy Storage</i> . <i>Coatings</i> <b>2025</b> , <i>15</i> , 1420. <a href="https://doi.org/10.3390/coatings15121420">https://doi.org/10.3390/coatings15121420</a> IF=3.7 Q2 (25+3.7*20)/3	1,20
	<b>R2.</b> <b>Trandabăț</b> , Alexandru F.; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Plopa, Olga; Ciobanu, Romeo Cristian. <i>Study on Hybrid Assemblies of Graphene and Conducting Polymers with Embedded Gold Nanoparticles for Potential Electrode Purposes</i> . — <i>Chemosensors</i> <b>13</b> (4):130; DOI: 10.3390/chemosensors13040130. — 2025. IF=3.7 Q2	2,00
	<b>R3.</b> <b>Trandabăț</b> , Alexandru Florentin; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel. <i>Active Surfaces in Sensor Technologies Utilizing Ceramic Nanotube-Conducting Polymer Composites Containing Embedded Gold Nanoparticles</i> . — <i>Coatings</i> <b>15</b> (10):1211; (DOI <a href="https://doi.org/10.3390/coatings15101211">https://doi.org/10.3390/coatings15101211</a> ). — 2025. IF=2.8 Q2	1,50
	<b>R4.</b> Schreiner, Oliver Daniel; <b>Trandabăț</b> , Alexandru F.; Ciobanu, Romeo Cristian; Schreiner, Thomas Gabriel. <i>TiO2 Ceramic Nanotubes-Conducting Polymer Assemblies with Embedded Gold Particles for Potential Use as Chemosensors in the Detection of Oral Diseases</i> . — <i>Chemosensors</i> <b>13</b> (4):117; DOI: 10.3390/chemosensors13040117. — 2025. IF=3.7 Q2	1,20
	<b>R5.</b> Damian, Radu F.; Pachiu, Cristina; Mocanu, Alexandra; <b>Trandabăț</b> , Alexandru; Ciobanu, Romeo Cristian. <i>The Modeling of Electromagnetic Behavior in the High-Frequency Range of Al2O3 and TiO2 Thermoplastic Composites in Support of Developing New Substrates for Flexible Electronics</i> . — <i>Crystals</i> <b>15</b> (7):637; DOI: 10.3390/cryst15070637. — 2025 IF=2.4 Q2	1,20
	<b>R6.</b> <b>Trandabăț</b> , Alexandru F.; Ciobanu, Romeo C.; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Aradoaei, Sebastian. <i>Chemiresistors Based on Hybrid Nanostructures Obtained from Graphene and Conducting Polymers with Potential Use in Breath Methane Detection Associated with Irritable Bowel Syndrome</i> . — <i>International Journal of Molecular Sciences</i> <b>25</b> (10):5552; DOI: 10.3390/ijms25105552. — 2024. IF=4.9 Q1	1,20
	<b>R7.</b> <b>Trandabăț</b> , Alexandru Florentin; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel; Aradoaei, Mihaela; Aradoaei, Sebastian Teodor. <i>Manufacturing of TiO2, Al2O3 and Y2O3 Ceramic Nanotubes for Application as Electrodes for Printable Electrochemical Sensors</i> . — <i>Crystals</i> <b>14</b> (5):454; DOI: 10.3390/cryst14050454. — 2024. IF=2.4 Q2	1,20
	<b>R8.</b> <b>Trandabăț</b> , Alexandru F.; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Aradoaei, Sebastian. <i>Ceramic Nanotubes-Conducting Polymer Assemblies with Potential Application as Chemosensors for Breath Ammonia Detection in Chronic Kidney Disease</i> . — <i>Chemosensors</i> <b>12</b> (9):198; DOI: 10.3390/chemosensors12090198. — 2024. IF=3.7 Q2	1,00
	<b>R9.</b> Baibarac, Mihaela; Paraschiv, Mirela; Cercel, Radu; Smaranda, Ion; Bartha, Cristina; <b>Trandabăț</b> , Alexandru. <i>Correlated studies of photoluminescence, vibrational spectroscopy and mass spectrometry concerning the pantoprazole sodium photodegradation</i> . — <i>Scientific Reports</i> <b>12</b> :9515; DOI: 10.1038/s41598-022-13648-6. — 2022. IF=3.9 Q1	0,75
	<b>R10.</b> Smaranda Ion; Nila Andreea; Ganea Paul; Daescu Monica; Zgura Irina; Ciobanu Romeo; <b>Trandabat</b> Alexandru; Baibarac Mihaela. <i>The Influence of the Ceramic Nanoparticles on the Thermoplastic Polymers Matrix: Their Structural, Optical, and Conductive Properties</i> . — <i>Polymers</i> <b>13</b> (16):2773; DOI: 10.3390/polym13162773. — 2021. IF=4.9 Q1	0,86



R11.	Dana Bejan, Lucian Gabriel Bahrin, Corneliu Cojocaru, Alexandru Florentin <b>Trandabat</b> , Narcisa Laura Marangoci, Alexandru Rotaru & Sergiu Shova <i>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</i> Pages 2250-2264   Received 21 Apr 2020, Accepted 11 Aug 2020, Published online: 22 Sep 2020 Cite this article <a href="https://doi.org/10.1080/00958972.2020.1818727">https://doi.org/10.1080/00958972.2020.1818727</a> Aug 17 2020 JOURNAL OF COORDINATION CHEMISTRY 73(16), pp.2250-2264 WOS:000571955900001 IF=2.1	1,20
R12.	Bejan, Dana; Dascălu, Ioan-Andrei; Shova, Sergiu; Trandabăt, <b>Alexandru F.</b> ; Bahrin, Lucian G. <i>Mesitylene Tribenzoic Acid as a Linker for Novel Zn/Cd Metal-Organic Frameworks</i> . — Journal of Coordination Chemistry 73(16):2250–2264; DOI: 10.1080/00958972.2020.1818727. — 2020 (online 2020; în lista inițială 2022). IF=3.2 Q2	1,20
R13.	Postolache G; <b>Trandabat A</b> , Plopa O; Girao PS; Postolache O; <i>Wearable Devices for Studying Microvascular Reactivity - It Is Feasible?</i> 2019 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB) NOV 21-23, 2019 IEEE Romania Sect, IEEE EMB Romania Chapter, IEEE EMC Romania Chapter, IEEE Signal Proc Romania Chapter, IEEE SMC Romania Chapter 978-1-7281-2603-6 2019; WOS:000558648300137	0,86
R14.	Porumb Vlad; <b>Trandabăt</b> Alexandru Florentin; Terinte Cristina; Căruntu Irina-Draga; Porumb-Andrese Elena; Dimofte Mihail Gabriel; Pieptu Dragoș. <i>Design and Testing of an Experimental Steam-Induced Burn Model in Rats</i> . — BioMed Research International 2017:9878109; DOI: 10.1155/2017/9878109. — 2017. IF=2.583 Q2	0,86
R15.	Tudorancea Ionuț; Porumb Vlad; <b>Trandabăt</b> Alexandru; Neaga Decebal; Tamba Bogdan; Iliescu Radu; Dimofte Gabriel M. <i>New experimental model for single liver lobe hyperthermia in small animals using non-directional microwaves</i> . — PLOS ONE 12(9):e0184810; DOI: 10.1371/journal.pone.0184810. — 2017. IF=2.766 Q1	2,00
R16.	Oana, Tanase Irina; Constantin, Pavli; Alexandru, <b>Trandabat</b> <i>Virtual instrumentation appliance in reproduction biotechnologies used in domestic fends</i> CURRENT OPINION IN BIOTECHNOLOGY Volume24 Page S58-S59 DOI10.1016/j.copbio.2013.05.149 JUL 2013 IF 8.035 Q1	2,00
R17.	<b>Trandabăt A.</b> , Pîslaru M., <b>Trandabăt D.</b> <i>SiadEnv safety and communication features in real life scenarios</i> Advanced Engineering Forum Vols. 8-9 (2013) pp 195-204© (2013) Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AEF.8-9.195, WOS:000323184000022 ISBN 978-3-03785-785-4, ISSN 2234-9898 — 2013.	2,00
R18.	Pîslaru M; Trandabat D; <b>Trandabat A</b> ; <i>Assessment of Corporate Environmental Performance Based on Fuzzy Approach</i> 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	2,00
R19.	Pîslaru, Marius; <b>Trandabăt</b> , Alexandru; Avasilcai, Silvia. <i>NEURO-FUZZY MODEL FOR ENVIRONMENTAL IMPACT ASSESSMENT</i> . — Environmental Engineering and Management Journal 10(3):381–386. WOS:000290921300009 — 2011. IF=0.9	2,00
R20.	<b>Trandabat</b> , Alexandru Florentin; Pîslaru, Marius; Brînzila, Marius <i>SiadEnv - ENVIRONMENTAL FRIENDLY E-BUILDING ENERGY MANAGEMENT SYSTEM</i> Environmental Engineering and Management Journal Volume: 11 Issue: 3 Pages: 687-694 Published: MAR 2012 WOS:000304498900029 1582-9596 IF=1.117	3,00
R21.	<b>Trandabăt</b> , Alexandru; Pîslaru, Marius. <i>NEW ENERGY MANAGEMENT TOOL FOR BUILDINGS ACTIVE ENERGY CONSUMES REDUCTION</i> . — Management of Technological Changes (Book 1), pp. 617–620. WOS:000306939900155 — 2011	2,00
R22.	Pîslaru, Marius; <b>Trandabăt</b> , Alexandru; Avasilcai, Silvia. <i>OPTIMIZATION OF A QUALITY ASSURANCE PROCESS USING COMPUTATIONAL TECHNIQUES</i> . — Management of Technological Changes (Book 1), pp. 593–596. WOS:000306939900149 — 2011.	1,00
R23.	Kim, Ik Jin; Zhao, Wei; Chung, Jeong Ho; Olarin, Marius; <b>Trandabăt</b> , Alexandru F.; Ciobanu, Romeo-Cristian. <i>Effect of interconnected molecular types on the packing rate of self-assembled monolayers of TMA-A zeolite nanocrystals on glass</i> . — Journal of Ceramic Processing Research 11(3):303–307. — 2010 WOS:000280125600004. IF= 1.1 Q2	2,00
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	<b>R44.</b> Trandabat A; Pislaru 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	3,00
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## 6. Publicații apărute în lucrări ale principalelor conferințe internaționale de specialitate

	<b>Articol/studiu publicat în volumul unei manifestări științifice indexate in baze de date internaționale (BDI)</b>	
	V1. Ciobanu, Romeo Cristian; Trandabat, Alexandru Florentin; Aradoaei, Mihaela; Pachiu, Cristina; Suche, Mirela; Dumitrache, Monica <i>Innovative Analysis of Electromagnetic Shielding Effect of Composite Materials using Specific Absorption rate of Electromagnetic Energy</i> SIEMEN 15 <sup>th</sup> international Conference on Electromechanical and energy systems 16-17 oct. Chisinau- 2025	0,67
	V2. 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	0,80
	V3. 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	1,00
V	V4. 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.	1,00
	V5. Schreiner Oliver; Trandabăț Alexandru; L.-G. Patraș; A. Saridache. <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	1,00
	V6. A. Saridache; L.-G. Patraș; Trandabăț, Alexandru; C. Schreiner; R. Machidon. <i>Functional Model of Device of Bracelet Type Based on Photoplethysmography.</i> — 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEI), Iași, pp. 271–274; DOI: 10.1109/EPEI63510.2024.10758131. — 2024	0,80
	V7. Trandabăț, Alexandru; Alexandru Arcire; Georgiana Patrascu; Adrian D.N. Saridache; Gianina Maria Gheorghian; Ionel Hogas, Cristina Schreiner. <i>A non-enzymatic chronoamperometric glucose sensor based on Screen-Printed Carbon Electrode (SPCE) modified with maghemite magnetic nanoparticles via physical vapour deposition (PVD).</i> — 2022 International Conference and	0,57



	Exposition on Electrical and Power Engineering (EPE), Iași, pp. 269–274; DOI: 10.1109/EPE56121.2022.9959795. — 2022	
V8.	A.-D.-N. Saridache; D.-O. Schreiner; T.-G. Schreiner; <b>Trandabăț</b> , Alexandru; Simionescu, R.; Arcire, A. <i>ISense – Parkinson's symptoms monitoring module based on inertial measuring units sensors</i> . — 2022 International Conference and Exposition on Electrical and Power Engineering (EPE), Iași, pp. 688–691; DOI: 10.1109/EPE56121.2022.9959827. — 2022.	0,67
V9.	<b>Trandabăț</b> , Alexandru; Alexandru Arcire; Romeo Cristian Ciobanu; Olga Plopa; Mihaela Aradoaei; Alin Olteanu Mosneagu (Andrei) Mona. <i>Design and modeling considerations for developing a millimolar Oxalic Acid detection sensor based on screen-printed carbon electrode and methylbenzenpirol</i> . — 2022 International Conference and Exposition on Electrical and Power Engineering (EPE), Iași, pp. 245–252; DOI: 10.1109/EPE56121.2022.9959778. — 2022	0,57
V10.	Vasilache Nicoleta; Diacu Elena; Chiriac Florentina Laura; Vasile Gabriela Geanina; Paun Iuliana; Pirvu Florinela; Tenea Anda Gabriela; Serban Gabriel Valentin; <b>Trandabăț</b> , Alexandru. <i>Nitrate pollution and health risk assesment of groundwater in rural areas from Botosani, Romania</i> . — International Symposium "The Environment and the Industry" (E-SIMI 2021), <b>Book of Abstracts</b> ; DOI: 10.21698/simi.2021.ab27. — 2021	0,44
V11.	<b>Trandabăț</b> , Alexandru; Arcire Alexandru; Postolache Octavian; Mandoc (Popescu) Roxana Luisa; Vasilache Nicoleta. <i>A study on of-the-shelf screen-printed carbon electrodes as nitrogenous species detectors</i> . — International Symposium "The Environment and the Industry" (E-SIMI 2021), <b>Book of Abstracts</b> ; DOI: 10.21698/simi.2021.ab01. — 2021	0,80
V12.	Monge, J.; Postolache, O.; <b>Trandabăț</b> , Alexandru; Macovei, Ș. <i>Multi-node potentiostat device and multiplatform mobile application for on-field measurements</i> . — 2020 International Conference and Exposition on Electrical and Power Engineering (EPE), Iași, pp. 695–698; DOI: 10.1109/EPE50722.2020.9305567. — 2020.	1,00
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V14.	Octavian Postolache; Stefan Macovei; Alexandru <b>Trandabat</b> ; Ionel Hogas. <i>Electrospinning Application on Fabrication of PMMA Nanofibers Membranes for Electrochemical Sensors</i> . — 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), Iași, pp. 1015–1018; ISBN 978-1-5386-5062-2. — 2018.	1,00
V15.	Macovei Stefan, <b>Trandabăț</b> , Alexandru, Schreiner Cristina, Donose Costel <i>In House Development and Testing of Nanostructured Inks for Inkjet Printed Sensors</i> . — 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), Iași, pp. 873–876; DOI: 10.1109/ICEPE.2018.8559664. — 2018	1,00
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V17.	Pislaru, Marius; <b>Trandabăț</b> , Alexandru; <i>Assessment of company environmental impact using fuzzy logic</i> . — International Conference on Environment Science and Engineering, 2012 IPCBEE vol.32(2012) © (2012) IACSIT Press, Singapore; (pagini / 97-102.). — 2012	2,00
V18.	Pislaru, Marius; Avasilcai, Silvia; <b>Trandabăț</b> , Alexandru. <i>Engineering application based on fuzzy approach</i> . — Proc. SPIE 8349, Fourth International Conference on Machine Vision (ICMV 2011), pp. 346–350; <a href="https://doi.org/10.1117/12.920822">https://doi.org/10.1117/12.920822</a> —22 2012	1,33
V19.	Pislaru, Marius; <b>Trandabăț</b> , 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	2,00
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V21.	<b>Trandabăț</b> , Diana; <b>Trandabăț</b> , 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.	2,00
V22.	Pislaru, Marius; <b>Trandabăț</b> , A.; Curteanu, Silvia; Piuleac, 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 n/dispon.). — 2010	1,00
V23.	Pislaru, Marius; <b>Trandabăț</b> , Alexandru; Schreiner, Cristina; Spiridonica, Alexandru. <i>Fuzzy model for sustainability assurance related to environmental protection</i> . — Development and Application Systems (DAS), p. 41; — 2010	1,00
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V25.	Grigoraș Cătălin G.; Rusu Camelia; Aflori Magdalena; <b>Trandabăț</b> , Alexandru; Aflori Alexandru. <i>SURFACE MODIFICATION OF POLY(ETHYLENE TEREPHTHALATE) IN AIR PLASMA</i> . — Acta Chemica Iași 27(1):128–136; DOI: 10.2478/achi-2019-0010. — 2019. IF=0.3 WOS:000484489300010 - <b>Lucrare Revistă 1</b>	0,80
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V27.	M. Pislaru, A. <b>Trandabat</b> , R. Burlacu, C. Bratescu, S. Aradoaie and M. Branzila <i>INTERNET BASED DISTRIBUTED METHODS IN SUPPORT OF REMOTE AND COLLABORATIVE DESIGN</i> , EPE 2008, Iași, Romania, BULETINUL INSTITUTULUI POLITEHNIC DIN IASI TOMUL LIV (LVIII), FASC 4, 2008, ELECTROTEHNICA, ENERGETICA, ELECTRONICA, pp 635-642, ISSN 1223-8139	0,67
V28.	M. Pislaru, A. <b>Trandabat</b> , I.Nica ans S. Ursache <i>FAULT DIAGNOSIS DETECTION USING A NEURO-FUZZY SYSTEM</i> , EPE 2008, Iași, Romania, BULETINUL INSTITUTULUI POLITEHNIC DIN IASI TOMUL LIV (LVIII), FASC 3, 2008, ELECTROTEHNICA, ENERGETICA, ELECTRONICA, pp 31-36 ISSN 1223-8139	1,00
V29.	M. Brinzila, M.D.Pereira, A. <b>Trandabat</b> , C. Schreiner <i>VIRTUAL METEOROLOGICAL CENTER</i> Proceedings of Remote Engineering and Virtual Instrumentation, Porto, REV International Journal of Online Engineering, 2007, Vol 3, Issue 4, p45 ISBN 978-3-89958-278-9	1,00



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V36.	M. Pislaru, C. Schreiner, <b>A. Trandabat</b> , <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	1,33
V37.	M. Pislaru, <b>A. Trandabat</b> , C. Schreiner <i>AUTOMATIC TECHNIQUES FOR INDUSTRIAL PROCESS SURVEILLANCE</i> 4 <sup>th</sup> International Conference on Electrical and Power Engineering-EPE 2006 October 12-14; 2006, Iasi, Romania, Romania.Buletinul Institutului Politehnic Iasi, Tomul LII (LVI), Fascicol 5B pp 864-869, ISSN 1223-8139	1,33
V38.	M. Pislaru, C. Schreiner, <b>A. Trandabat</b> , <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 (LVI), Fascicol 5B pp 858-863, ISSN 1223-8139	1,33
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V43.	M. Pislaru, G. Condurache, <b>A. Trandabat</b> Expert neuro-fuzzy system for production process surveillance The International Conference on Integrated Engineering C2I 2005 16-18 October Timisoara, pp. 153-154, ISBN 973-625-259-0	1,33
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V46.	S. Aradoaei, <b>A. Trandabat</b> , R. Ciobanu, G. Constantinescu <i>Advanced compounds based on recycled plastic and wood derivates, for multisectorial appliances – 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	1,00
V47.	M. Olariu, S. Hanganu, <b>A. Trandabat</b> , R. Ciobanu, <i>Advanced concept of honeycomb structures based on chiral noncentresymmetric 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	1,00
V48.	C.Varga*, <b>A. Trandabat</b> *, 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, ISBN GEN: 973-716-208-0	1,00
V49.	M. Olariu, M. Paslaru, <b>A. Trandabat</b> , R. Ciobanu, <i>ETUDE DES CHARGES D' ESPACES DANS LES MATERIAUX POLYMERS</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, ISBN GEN: 973-716-208-0	1,00
V50.	M. Olariu, M. Pislaru, <b>A. Trandabat</b> , R. Ciobanu, <i>MESURES DES CHARGE D'ESPACES AVEC MOT ET CDST (Cts)</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, ISBN GEN: 973-716-208-0	1,00



V51.	M. Pislaru, C. Schreiner and <b>A. Trandabat</b> <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	1,33
V52.	<b>A.Trandabat*</b> , C. Donciu*, M. Pislaru*, 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	0,67
V53.	<b>A.Trandabat</b> , M. Pislaru, R. Ciobanu, M. Olariu, M. Branzila and C. Schreiner <i>PECULIAR AREAS WITH INCREASED RISK FOR ENVIRONMENT SAFETY MONITORING USING DISTRIBUTED MEASUREMENT SYSTEM</i> 5TH 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	0,67
V54.	<b>A. Trandabat</b> , M. Branzila, C. Donciu and R. Ciobanu <i>AIR QUALITY MAPPING 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	1,00
V55.	M. Pislaru, C. Schreiner, <b>A. Trandabat</b> , 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	1,00
V56.	<b>A. Trandabat</b> , C. Donciu, C. Schreiner <i>CONCEPTUAL ARCHITECTURE FOR VIRTUAL LABORATORIES: APPLICATION - POWER QUALITY VIRTUAL LABORATORY</i> Proceedings of 5-th Challenges in Collaborative Engineering workshop, Sopron, Hungary, April 14-15 2005 pp. 55-62, ISBN 91-975604-1-3	1,33
V57.	Pislaru M.; <b>Trandabăț A.</b> , Schreiner C. <i>APPLICATION OF NEURO-FUZZY ALGORITHMS FOR HYDRAULIC SYSTEMS FAULT</i> Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iași, October 7-8; 2004 Iasi Romania, Tomul L(LIV), Fasc. 5B, pp. 191 – 196, ISBN 1223-8139	1,33
V58.	Pislaru M.; <b>Trandabăț A.</b> , Schreiner C. <i>FUZZY EXPERT SYSTEM FOR POWER QUALITY APPLICATIONS</i> Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iași, October 7-8; 2004 Iasi Romania, Tomul L(LIV), Fasc. 5B, pp. 197 – 202, ISBN 1223-8139	1,33
V59.	<b>Trandabăț A.</b> , Pislaru M., Ciobanu R. <i>VIRTUAL LABORATORY FOR POWER QUALITY ANALYSES</i> Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iași, October 7-8; 2004 Iasi, Romania, Tomul L(LIV), Fasc. 5B, pp. 920-925, ISBN 1223-8139	1,33
V60.	<b>Trandabăț A.</b> , Pislaru M., Ciobanu R. <i>DISTRIBUTED MEASUREMENT SYSTEM FOR POWER QUALITY SUSTENANCE</i> Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iași, October 7-8; 2004 Iasi Romania, Tomul L(LIV), Fasc. 5B, pp. 914 – 919, ISBN 1223-8139	1,33
V61.	M. Pislaru, <b>A. Trandabăț</b> , D.M.Trandabăț, <i>INTERNET BASED DISTRIBUTED METHODS IN SUPPORT OF REMOTE INTERACTIVE LABORATORY- SIMPOZIONULUI INTERNAȚIONAL AL TINERILOR CERCETĂTORI</i> 29 – 30 aprilie 2004 Chișinău, Republica Moldova, pp. 74-76, ISBN 9975-75-239-x.	1,33
V62.	<b>A. Trandabăț</b> , M. Pislaru, D.M.Trandabăț, <i>EDUCATIONAL LABORATORY AND PROJECT SURVEY BY USE OF WEB TECHNOLOGY ENVIRONMENT AND VIRTUAL INSTRUMENTATION, SIMPOZIONULUI INTERNAȚIONAL AL TINERILOR CERCETĂTORI</i> 29 – 30 aprilie 2004 Chișinău, Republica Moldova, pp. 71-73, ISBN 9975-75-239-x	1,33
V63.	M.Pislaru, <b>A. Trandabat</b> , C. Vărgă , <i>INTERNET BASED DISTRIBUTED METHODS IN SUPPORT OF REMOTE AND COLABORATIVE DESIGN</i> , Proceedings of the 7th International Conference on Development and Application Systems DAS'04 May 27-29, 2004, Suceava, Romania, pp. 378-382, ISBN 973-666-106-7	1,33
V64.	M.Pislaru, <b>A. Trandabat</b> , C. Schreiner, <i>ADAPTIVE NEURO FUZZY INFERENCE SYSTEM OF INDUSTRIAL PROCESSES FAULT DIAGNOSIS</i> , Proceedings of the 7th International Conference on Development and Application Systems DAS'04 May 27-29, 2004, Suceava, Romania, pp. 466-471, ISBN 973-666-106-7	1,33
V65.	<b>A. Trandabat</b> , M.Pislaru, R. Ciobanu, <i>CONCEPTUAL ARCHITECTURE FOR A VIRTUAL DISTRIBUTED INTERNET LABORATORY IN ENGINEERING FIELD</i> , Proceedings of the 7th International Conference on Development and Application Systems DAS'04 May 27-29, 2004, Suceava, Romania, pp. 383-390, ISBN 973-666-106-7	1,33
V66.	M. Pislaru, <b>A. Trandabat</b> , C. Schreiner, <i>APPLICATIONS OF NEURO-FUZZY MODELS FOR INDUSTRIAL PROCESSES FAILURE DETECTION</i> 4th International Conference on Electromechanical and Power Systems SIELMEN 2003, Chișinău 26th-27th september, Proceedings volume II pp. 69-72, ISBN 9975-9771-1-1	1,33
V67.	<b>A. Trandabat</b> , C. Schreiner, M. Pislaru <i>DISTRIBUTED MEASUREMENT SYSTEM FOR METEOROLOGICAL PARAMETERS USED TO PROVIDE THE TRAINING DATABASE FOR A WEATHER NEURONAL FORECASTING SYSTEM AND FOR THE WORLD WIDE WEB AREA</i> 4th International Conference on Electromechanical and Power Systems SIELMEN 2003, Chișinău 26th-27th september, Proceedings volume II pp. 73-76, ISBN 9975-9771-1-1	1,33
V68.	C. SCHREINER, M. BRANZILA, <b>A. TRANDABAT</b> , R.C. CIOBANU, <i>Air quality and pollution mapping system using remote measurements and GPS technology</i> Global NEST Journal, Vol. 8, No. 3 / 2006, pp 315-323, ISSN: 1790-7632 <b>Lucrare Revistă 2</b>	1,00
V69.	<b>A Trandabăț</b> , C. Donciu, R. Ciobanu <i>LABORATORUL VIRTUAL ȘI INSTRUMENTAȚIA VIRTUALĂ UN RĂSPUNS PENTRU NECESITĂȚILE VIITOARE ALE ÎNVĂȚĂMÂNTULUI ȘI INDUSTRIEI</i> Revista de Instrumentație Virtuală Anul V, volumul V, numărul 2(18), vara 2002 pp. 47-50 <b>Lucrare Revistă 3</b>	1,33
V70.	C. Donciu, <b>A. Trandabăț</b> , M. Crețu <i>SERVERE TCP-IP DESTINATE TELETRANSMISIILOR DE DATE IN LABVIEW</i> Revista de Instrumentație Virtuală Anul V, volumul V, numărul 2(18), vara 2002 pp.47-50 <b>Lucrare Revistă 4</b>	1,33
V71.	M. Pislaru, <b>A. Trandabat</b> , S. Curteanu, C. Piuleac <i>Fuzzy techniques for determination of environmental sustainability</i> International Symposium Control and Metrology of Environmental Quality Factors (IS.CMEQF-01) pag 58-59 ISSN 2069-2145	1,00



V72.	Bejan, D.; Marangoci, N.L.; Rotaru, A.; <b>Trandabat, A.F.</b> ; Bahrin, 2,4,6-Tris(4-Iodophenyl)-1,3,5-trimethylbenzene. — Molbank 2020(1):M1121; DOI: 10.3390/M1121. — 2020. WOS:000523436200022 IF=0.4 <b>Lucrare Revistă 5</b>	0,80
V73.	M. Pislaru, <b>A. Trandabat</b> Sustainability assurance of environment using fuzzy model The first International Conference on Environmental Management and Technologies ICEMT 2010	2,00
V74.	<b>A.Trandabat</b> , M.Pislaru, Di. Socotar S.Aradoaei 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	1,00
V75.	<b>A. Trandabat</b> , 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	2,00
V76.	Marius Pislaru, <b>Alexandru Trandabat</b> Assessment of Company Environmental Impact using Fuzzy Logic 2012 International Conference on Environment Science and Engineering IPCBEE vol.32(2012) © (2012)IACSIT Press, Singapore pp 97-92	2,00
V77.	Marius Pislaru, <b>Alexandru F. Trandabat</b> 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	2,00
V78.	M. Pislaru, <b>A. Trandabat</b> capitolul <b>Fuzzy model for environmental sustainability assurance</b> Volumul Recent Progress in Computational Sciences and Engineering (2 vols) Subjects Computer Science ISBN9780429070655	2,00

**7. Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe bază de contract/ grant, precum și alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz, prin care se aduc contribuții la dezvoltarea mediului educațional/ cultural/ economic/ social etc.**

Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională	
P1.	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 <b>Director/Responsabil proiect partener</b>
P2.	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 <b>Director/Responsabil proiect partener</b>
P3.	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 <b>Membru in echipa de proiect</b>
P4.	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 <b>Membru in echipa de proiect</b>
P5.	M-ERA.NET, nr. 9/2015 "Senzori integrați cu caracteristici microfluidice folosind tehnologia LTCC" 02.11.2015-29.12.2017 <b>Membru in echipa de proiect</b>
P6.	M-ERA.NET, nr. 51/2016 „Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice” 01.06.2016-01.06.2019 <b>Membru in echipa de proiect</b>
P7.	Contract 031891/2006 , REMOTE INSTRUMENTATION IN NEXT-GENERATION GRIDS, perioada 09.2006-09.2008, Valoare UTI 84018.00, SSA FP6-IST / CE <b>Membru in echipa de proiect</b>
P8.	STEWART contract 22/2018 SorTing system for dEmolition Waste based on advanced RoboTics 99.200 euro 24 luni <b>Membru in echipa de proiect</b>
P9.	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 <b>Membru in echipa de proiect</b>
P10.	Low-cost and energy-efficient LTCC sensor/IR-UWB transceiver solutions for sustainable healthy environment (SENSEIVER) <b>Membru in echipa de proiect</b>
P	P11. SUStainable management of toxic pollutants in Central Asia:
	P12. towards a Regional Ecosystem Model for environmental security – SUSCAREM, Contract NATO 983931/2010 48 luni 16.500 euro <b>Membru in echipa de proiect</b>
	P13. 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 <b>Membru in echipa de proiect</b>
	P14. 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 <b>Membru in echipa de proiect</b>
	P15. International (Bilateral Ro-Bulgaria) Instrumentatie la distanta pentru noile griduri regionale dedicate/ Remote instrumentation for new dedicated regional GRIDS (RINGRID), Contract 62CB/2008 35836 euro 18 luni <b>Membru in echipa de proiect</b>
	P16. International (Bilateral Ro-Cipru) Compozite polimerice nano-active avansate cu metale rare și oxizi metalici, pentru aplicații în microelectronică în domeniul GHz/ Advanced nano-active composites of polymers (having b-ketoester functionalities) with rare metals and metal oxides, for microelectronic applications at GHz domain - RO-CY-NANOXPOL, Contract 436/2011 10.882 24 luni <b>Membru in echipa de proiect</b>
	P17. International – MANUNET Robot multi-articulat cu miscari 3D independente pentru operatiuni de pozitionare precisa/ Articulated robot with independent 3D-motion for precise positioning operations – ROBOBUID, Contract 7-061/2012 19 luni 223.910 euro <b>Membru in echipa de proiect</b>
	P18. International (Bilateral Ro- Grecia) Dezvoltarea de bio-senzori implantabili dedicați evaluării neurotransmițătorilor, bazați pe depuneri de compozite polimerice conjugate pe structuri carbonice nano-poroase/ 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 <b>Membru in echipa de proiect</b>
	P19. 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 <b>Membru in echipa de proiect</b>



	<b>Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale</b>	
	P20. 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 SMIS 105581 valoare 1.439.440lei 1.07.2020-1.072022 <b>Director/Responsabil proiect partener</b>	
	P21. Contract 103/2003, <b>CONTRIBUTII PRIVIND UTILIZAREA MASURARILOR DISTRIBUITE IN CADRUL SISTEMELOR DE ASIGURARE A CALITATII INDUSTRIALE</b> , 04.2003-10.2005, Valoare UTI 11250.00, Grant TD /CNCSIS <b>Director/Responsabil proiect partener</b>	
	P22. Contract 5939/18.09.2006, <b>CONTRIBUTII PRIVIND UTILIZAREA MASURARILOR DISTRIBUITE IN CADRUL SISTEMELOR DE ASIGURARE A CALITATII INDUSTRIALE</b> , perioada 09.2006-12.2006, Valoare UTI 7000.00, CEEX M2 MD /CNCSIS <b>Director/Responsabil proiect partener</b>	
	P23. <a href="http://www.mct-excelenta.ro/fileadmin/mct/Rezultate/modulul_2/MD/MD_REZ_FINALE_26_IULIE.htm">http://www.mct-excelenta.ro/fileadmin/mct/Rezultate/modulul_2/MD/MD_REZ_FINALE_26_IULIE.htm</a>	
	P24. Start-Up POS-CCE O 2.3.1 ID proiect 1368, COD SMIS 40789 Contract nr. <b>471/ 30.05.2013</b> fonduri UE autoritatea contractanta: ANCS NANO-CARPOL "Noi senzori hibridi bazați pe nanostructuri de carbon și polimeri electroactivi, cu aplicații intersectoriale" <b>Director/Responsabil proiect partener</b>	
	P25. <a href="http://www.poscce.research.ro/uploads/competitii/o231/rezultate-selectie-evaluare-o231-ix.doc">http://www.poscce.research.ro/uploads/competitii/o231/rezultate-selectie-evaluare-o231-ix.doc</a>	
	P26. PN-II-RU-PD-2009, cod CNCSIS 342, Contract 50/2010/UEFISCDI Sistem distribuit de inteligenta ambientala, destinat eficientizarii consumului de resurse energetice și naturale în clădiri cu diverse functionalitati <b>Director/Responsabil proiect partener</b>	
	P27. <a href="http://cnscis.gov.ro/userfiles/file/PROIECTE%20PD%20COMPETITIA%202009/REZULTATE%20PD_DOMENIU%202_3.pdf">http://cnscis.gov.ro/userfiles/file/PROIECTE%20PD%20COMPETITIA%202009/REZULTATE%20PD_DOMENIU%202_3.pdf</a>	
	P28. Contract 72-173/2008 <b>SISTEM VIDEO AUTOMATIZAT CU GRAD RIDICAT DE INTERSCHIMBABILITATE PENTRU ETALONARE METROLOGICĂ A ECHIPAMENTELOR DE MĂSURARE</b> , perioada 2008-2011, Contract 1130000 RON, PN2 Parteneriate / CNMP <b>Membru in echipa de proiect</b>	
	P29. Sistem integrat iSense de monitorizare prin telemedicina a pacientilor, dezvoltat in cluster IT Iconic Componentă 1 - Apel : POC/524/2/2/Sprrijinirea creșterii valorii adăugate generate de sectorul TIC și a inovării în domeniu prin dezvoltarea de clustere/2/Sprrijinirea creșterii valorii adăugate generate de sectorul TIC și a inovării în domeniu prin dezvoltarea de clustere COD SMIS 129410 durata de implementare: 3 ani <b>Membru in echipa de proiect</b>	
P	P30. 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 „Parteneriate pentru transfer de cunoștințe în domeniul materialelor polimere folosite în ingineria biomedicală”, acronim POINGBIO 04.12.2017-03.12.2019 <b>Membru in echipa de proiect</b>	
	P31. POC-A1- A1.1.4 – E-2015 ID 37 766, ct. 68/08.09.2016, SMIS 103847 ANCSI "Diversificarea activitatii de CD prin elaborarea de platforme nano-senzoriale pentru detectia electrochimica și cuantificarea unor bio- si imuno-markeri cu aplicatii medicale, de mediu si securitate", acronim NANO-IMUNELCHIM-PLAT 08.09.2016-07.09.2020 <b>Membru in echipa de proiect</b>	
	P32. Contract 51-015/2007 <b>METODOLOGIE DIELECTRICA NEDISTRUCTIVA, NEINVAZIVA, COMPARATIVA DE DETECTARE RAPIDA A INGREDIENTILOR CU POTENTIAL FACTOR DE RISC PENTRU SANATATE DIN PRODUSELE ALIMENTARE</b> , perioada 09.2007- 09.2010, Valoare UTI 1050000.00 PN2 Parteneriate / CNMP <b>Membru in echipa de proiect</b>	
	P33. Contract 132/2007, <b>REMOTE INSTRUMENTATION IN NEXT-GENERATION GRIDS</b> , perioada 04.2007-07.2008, Valoare UTI 90160.00, CORINT / CNMP <b>Membru in echipa de proiect</b>	
	P34. NANOCOMPOZITE POLIMERICE CONDUCTIVE CU STRUCTURA PREDEFINITA SI PROPRIETATI DIELECTRICE SI EMC DEDICATE ECRANARII SI REALIZARII DE PANOURI ABSORBANTE PENTRU CLADIRI SPECIALE PN II ERA NET 7-014/2008 2009 -2010 <b>Membru in echipa de proiect</b>	
	P35. PARTENERIAT PENTRU CERCETARE DE EXCELENTA IN DEZVOLTAREA APTITUDINILOR ANTREPRENORIALE SI A CAPITALULUI UMAN COMPETITIV IN ECONOMIA SI SOCIETATEA BAZATE PE CUNOASTERE SI INOVARE PN II Parteneriat 91-069/2007 2007 – 2010 <b>Membru in echipa de proiect</b>	
	P36. Contract 202/2006, <b>DEZVOLTAREA PARTENERIATELOR C/D PRIN INCLUDEREA EXCELENTEI ROMANESTI, IN VEDEREA PROMOVĂRII DE PROIECTE COMUNE ÎN DOMENIUL MATERIALELOR AVANSATE NANOSTRUCTURATE DESTINATE ECRANELOR DE PROTECTIE LA RADIATII ELECTROMAGNETICE IN DOMENIUL GHZ</b> , perioada 09.2006-09.2008, Valoare UTI 150000.00, CEEX M3 / CNMP <b>Membru in echipa de proiect</b>	
	P37. 51 / 2006, <b>SISTEM INTELIGENT DE IRIGARE DE PRECIZIE IMPLEMENTABIL PE STRUCTURI AUTOMATE CU DEPLASARE CIRCULARA SAU LINIARA</b> , perioada 2006 - 2008, Valoare UTI 467300, Program CEEX USAMV – AGRAL <b>Membru in echipa de proiect</b>	
	P38. Contract 201/2006, <b>DEZVOLTAREA PARTENERIATELOR CD IN VEDEREA PROMOVARII UNOR PROIECTE EUROPENE IN DOMENIUL SISTEMELOR DISTRIBUITE DE MONITORIZARE A MEDIULUI</b> , perioada 2006-2008, Valoare UTI 155400, Program CEEX CNMP M3 <b>Membru in echipa de proiect</b>	
	P39. Contract 57/2006, <b>SISTEM INTEGRAT DE INSPECTIE VIDEO-INTELIGENTA A MATERIALELOR TEXTILE DEZVOLTAT PRIN METODE VIRTUALE DE PROCESARE A IMAGINII</b> , perioada 2006-2008, Valoare 499000.00, CEEX - MODUL 1 CNMP <b>Membru in echipa de proiect</b>	
	P40. 46/2006, <b>ECRANE PENTRU CONSTRUCTII SPECIALE BAZATE PE STRUCTURI CHIRAL-FAGURE</b> , perioada 09.2006-09.2008, Valoare UTI 555000.00, CEEX M1/ MATNANTECH <b>Membru in echipa de proiect</b>	
	P41. SIATEM DE MASURARE DISTRIBUITA DEZVOLTAT PRIN METODE DE INSTRUMENTATIE VIRTUALA A.Ad. 33557/2003, cod 330, T.57 GR. 33371/2004, cod 330, T. 847 <b>Membru in echipa de proiect</b>	
	P42. Contract 137 / 2006, <b>SISTEM INFORMATIC DE INSTRUIRE INTERACTIVA BAZAT PE ALGORITMI MULTITASK DE MARE VITEZA DEZVOLTAT PE PLATFORMA RECONFIGURABILA ONLINE PENTRU APLICATII DE TIP LABORATOR VIRTUAL</b> , perioada 2006-2008, Valoare UTI 606160, Program CEEX CNMP – INFOSOC <b>Membru in echipa de proiect</b>	
P	P43. Contract 115/2006, <b>MATERIALE INTELIGENTE TIP CHIRAL-FAGURE PENTRU APLICATII MULTISECTORIALE (SI EXTINDEREA APLICATIILOR PROPUSE INITIAL PENTRU DOMENIUL PROTECTIEI LA RADIATII ELECTROMAGNETICE - PRIN MATERIALE SI TEHNOLOGII AVANSATE PENTRU CONSTRUCTII SPECIALE)</b> , perioada 09.2006-09.2008, Valoare UTI 659383.00, CORINT / CNMP <b>Membru in echipa de proiect</b>	
	P44. Contract 79/2006, <b>BIOCOMPOZITE OBTINUTE PRIN RECICLAREA DESEURILOR DE PET SI UTILIZAREA DE DERIVAȚI LIGNO-CELULOZICI</b> , 09.2006-09.2008, 720000.00, CEEX M1/ MATNANTECH	
	P45. Contract 173/2006, <b>DEZVOLTAREA CAPACITATII DE INTEGRARE A ROMANIEI IN CADRUL PROGRAMELOR, PLATFORMELOR SI RETELELOR EUROPENE IN DOMENIUL METODELOR</b>	



	COMPARATIVE NEINVAZIVE SI NEDISTRUCTIVE DE ANALIZA A CALITATII SI SIGURANTEI ALIMENTELOR, perioada 09.2006-09.2008, Valoare UTI 150000.00, CEEEX M3 / CNMP	
P46.	Contract 179/2006, DEZVOLTAREA CAPACITATII DE INTEGRARE A ROMANIEI IN CADRUL PROGRAMELOR, PLATFORMELOR SI RETELELOR EUROPENE IN DOMENIUL METODELOR COMPARATIVE NEINVAZIVE SI NEDISTRUCTIVE DE ANALIZA A CALITATII SI SECURITATII ALIMENTELOR, perioada 09.2006-09.2008, Valoare UTI 130000.00, CEEEX M3 / CNMP	
P47.	Contract 550/2005, PLATFORME VIRTUALE SI DISTRIBUITE PENTRU DESIGN-UL, MONITORIZAREA PERFORMANTELOR SI DIAGNOZA SISTEMELOR ELECTROMECHANICE, perioada 04.2005-10.2007, Valoare UTI 120000.00, Grant A /CNCSIS	
P48.	Contract 489/2004, METODE AVANSATE DE PROIECTARE SI TESTARE A SISTEMELOR DE IZOLATIE DESTINATE FUNCTIONARII IN CONDITII EXTREME SI TOLERANTE LA DEFECTARE, 04.2004-10.2006, Valoare UTI 150000.00, Grant A /CNCSIS	

**Data:**  
**03.06.2026**

**Candidat,**

Conf.Dr.Ing. Alexandru Florentin **Trandabă**